

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064931.D
 Acq On : 4 Dec 2020 20:07
 Operator : JC/MD
 Sample : L4954-16MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

Quant Time: Dec 05 01:36:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	224202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	359955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	325239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	130918	50.23	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.46%
35) Dibromofluoromethane	7.55	113	115469	53.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.22%
50) Toluene-d8	10.06	98	482127	54.78	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.56%
62) 4-Bromofluorobenzene	12.37	95	159685	50.70	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	79428	40.877	ug/l 99
3) Chloromethane	2.04	50	101413	40.163	ug/l 99
4) Vinyl Chloride	2.17	62	109087	41.437	ug/l 100
5) Bromomethane	2.52	94	63515	36.774	ug/l 98
6) Chloroethane	2.67	64	70378	43.223	ug/l 99
7) Trichlorofluoromethane	2.99	101	160556	44.120	ug/l 96
8) Diethyl Ether	3.37	74	65718	45.751	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	100615	46.090	ug/l 99
10) Methyl Iodide	3.91	142	100089	35.348	ug/l 98
11) Tert butyl alcohol	4.75	59	97287	239.334	ug/l 99
12) 1,1-Dichloroethene	3.69	96	101464	46.669	ug/l 97
13) Acrolein	3.56	56	38510	155.100	ug/l 99
14) Allyl chloride	4.27	41	166101	46.321	ug/l 98
15) Acrylonitrile	4.93	53	276798	246.495	ug/l 98
16) Acetone	3.78	43	224495	262.007	ug/l 98
17) Carbon Disulfide	4.01	76	239628	42.689	ug/l 100
18) Methyl Acetate	4.28	43	126137	48.964	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	352159	50.505	ug/l # 1
20) Methylene Chloride	4.50	84	118291	44.057	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	107238	44.417	ug/l 99
22) Diisopropyl ether	5.90	45	354803	49.434	ug/l 99
23) Vinyl Acetate	5.84	43	1412506	246.103	ug/l 99
24) 1,1-Dichloroethane	5.79	63	207865	48.460	ug/l 99
25) 2-Butanone	6.79	43	340462	245.120	ug/l 96
26) 2,2-Dichloropropane	6.78	77	161371	43.377	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	131058	48.241	ug/l 98
28) Bromochloromethane	7.15	49	95220	48.525	ug/l 97
29) Tetrahydrofuran	7.17	42	221393	230.909	ug/l 99
30) Chloroform	7.33	83	208275	47.085	ug/l 98
31) Cyclohexane	7.61	56	441059	121.409	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	179576	47.268	ug/l 99
36) 1,1-Dichloropropene	7.75	75	151243	45.331	ug/l 99
37) Ethyl Acetate	6.88	43	141176	43.927	ug/l 98
38) Carbon Tetrachloride	7.73	117	156208	44.997	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1587066	441.874	ug/l	97
40) Benzene	8.00	78	476244	46.581	ug/l	98
41) Methacrylonitrile	7.13	41	65672	44.285	ug/l	94
42) 1,2-Dichloroethane	8.09	62	156245	45.302	ug/l	97
43) Isopropyl Acetate	8.13	43	284436	55.000	ug/l	95
44) Trichloroethene	8.80	130	130229	43.171	ug/l	99
45) 1,2-Dichloropropane	9.08	63	140116	52.920	ug/l	98
46) Dibromomethane	9.17	93	82589	46.691	ug/l	99
47) Bromodichloromethane	9.37	83	171406	48.160	ug/l	100
48) Methyl methacrylate	9.17	41	118053	47.773	ug/l	99
49) 1,4-Dioxane	9.17	88	45247	968.783	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	728136	234.527	ug/l	99
52) Toluene	10.12	92	296615	47.109	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	184706	46.595	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	200310	47.143	ug/l	98
55) 1,1,2-Trichloroethane	10.50	97	116153	44.862	ug/l #	21
56) Ethyl methacrylate	10.40	69	245263	68.646	ug/l #	85
57) 1,3-Dichloropropane	10.68	76	201191	47.107	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	1476	0.751	ug/l #	46
59) 2-Hexanone	10.72	43	546040	244.378	ug/l	98
60) Dibromochloromethane	10.87	129	136723	47.506	ug/l	97
61) 1,2-Dibromoethane	10.98	107	122727	46.656	ug/l	97
64) Tetrachloroethene	10.60	164	128474	40.602	ug/l	99
65) Chlorobenzene	11.41	112	329534	47.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	123302	48.037	ug/l	100
67) Ethyl Benzene	11.48	91	587191	50.325	ug/l	99
68) m/p-Xylenes	11.59	106	434334	98.320	ug/l	100
69) o-Xylene	11.92	106	213739	50.987	ug/l	99
70) Styrene	11.94	104	365785	51.687	ug/l	98
71) Bromoform	12.10	173	93942	45.823	ug/l #	99
73) Isopropylbenzene	12.22	105	940703	85.742	ug/l	99
74) N-amyl acetate	12.04	43	217326	50.334	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	161985	50.372	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	218256	64.252	ug/l #	100
77) Bromobenzene	12.50	156	144967	49.011	ug/l	96
78) n-propylbenzene	12.57	91	1100907	88.083	ug/l	99
79) 2-Chlorotoluene	12.65	91	373458	48.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	464602	50.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	55225	44.558	ug/l	96
82) 4-Chlorotoluene	12.75	91	385700	47.628	ug/l	99
83) tert-Butylbenzene	12.97	119	411315	53.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	485507	52.656	ug/l	98
85) sec-Butylbenzene	13.14	105	609926	60.098	ug/l	97
86) p-Isopropyltoluene	13.26	119	467646	50.612	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	249016	47.385	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	254441	45.783	ug/l	99
89) n-Butylbenzene	13.59	91	439695	54.187	ug/l	97
90) Hexachloroethane	13.85	117	100461	62.587	ug/l	81
91) 1,2-Dichlorobenzene	13.63	146	246730	47.816	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31767	43.903	ug/l	93

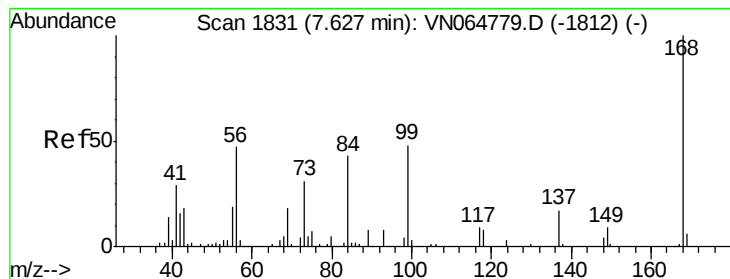
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	147995	46.364	ug/l #	90
94) Hexachlorobutadiene	14.98	225	66962	46.611	ug/l	98
95) Naphthalene	15.10	128	792597	82.883	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	146492	48.341	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

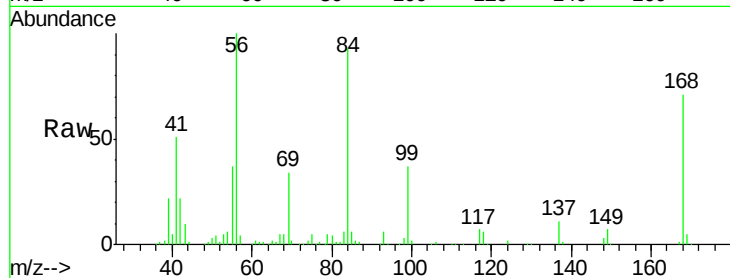
SS013-13-6702-120220MS

Tot Ion:168 Resp: 224202

Ion Ratio Lower Upper

168 100

99 51.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

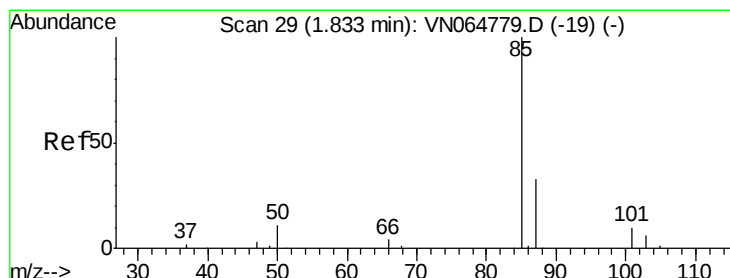
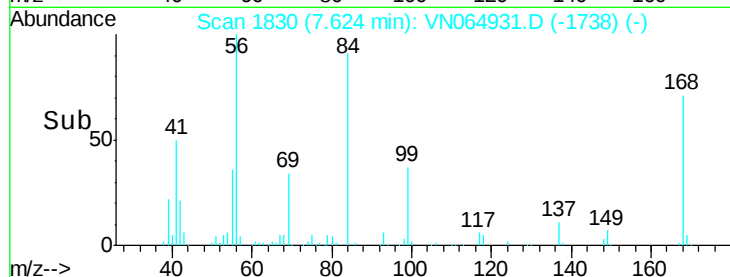
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.877 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064931.D

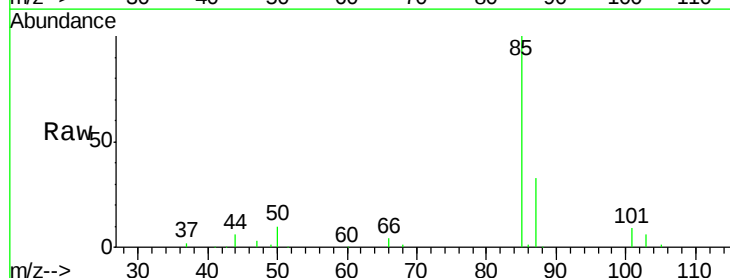
Acq: 4 Dec 2020 20:07

Tgt Ion: 85 Resp: 79428

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

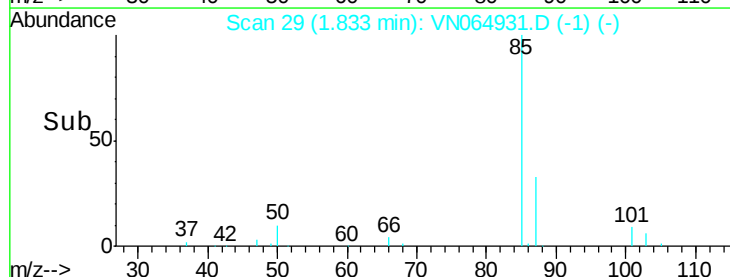
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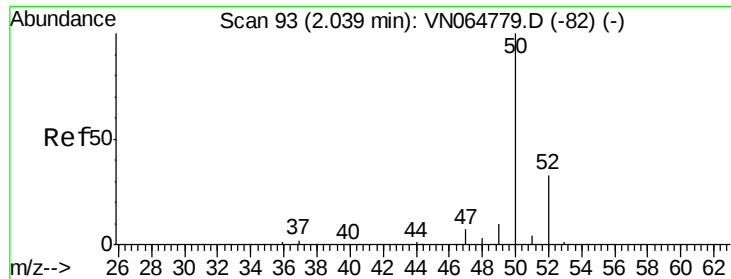
20000

0

1.75 1.80 1.85 1.90

Time-->

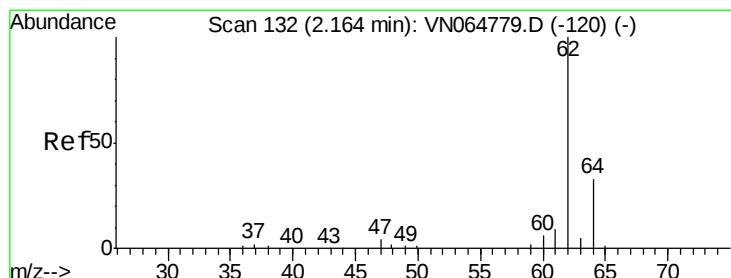
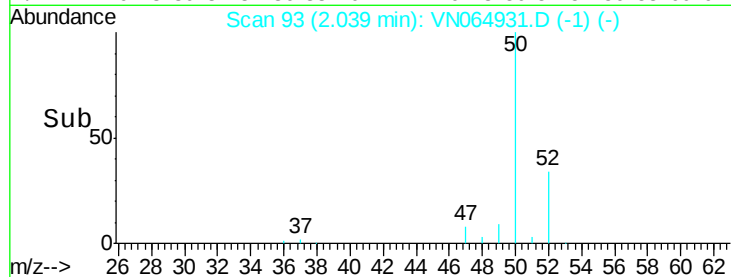
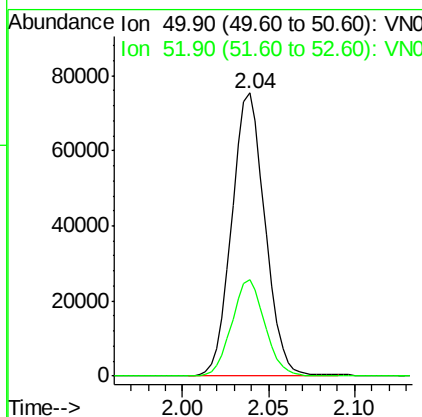
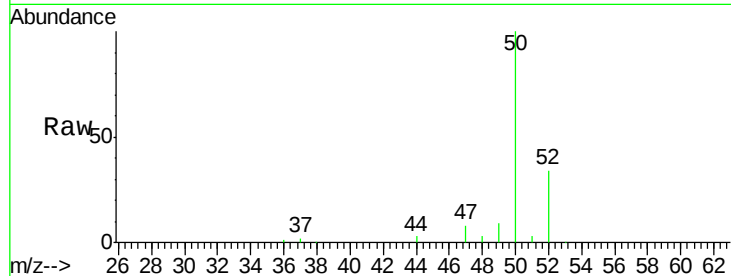




#3
 Chloromethane
 Concen: 40.163 ug/l
 RT: 2.04 min Scan# 93
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

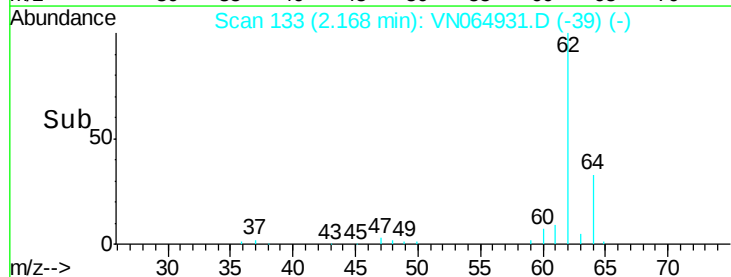
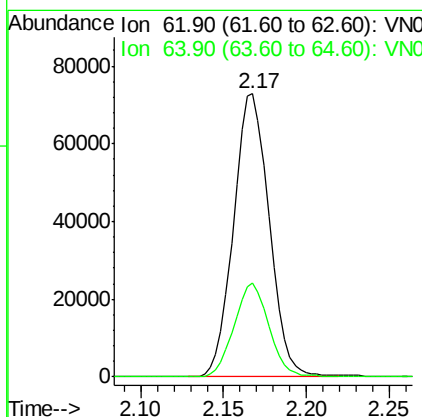
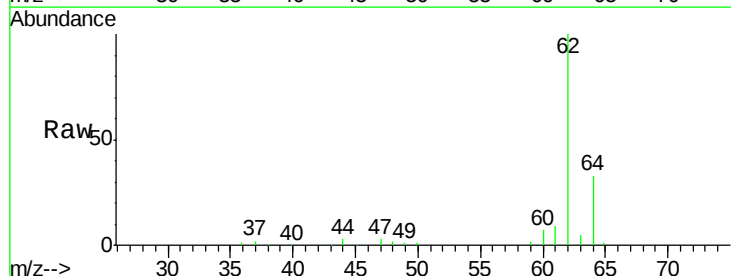
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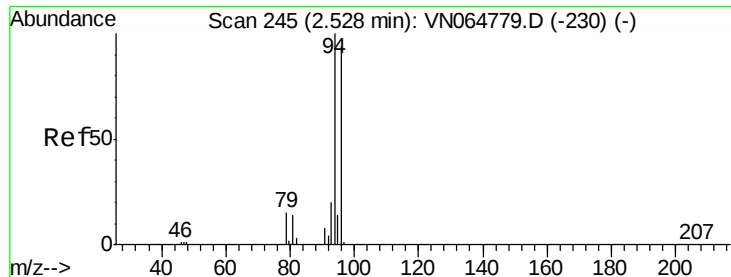
Tot Ion: 50 Resp: 101413
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.6 39.8



#4
 Vinyl Chloride
 Concen: 41.437 ug/l
 RT: 2.17 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion: 62 Resp: 109087
 Ion Ratio Lower Upper
 62 100
 64 33.2 26.5 39.7





#5

Bromomethane

Concen: 36.774 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

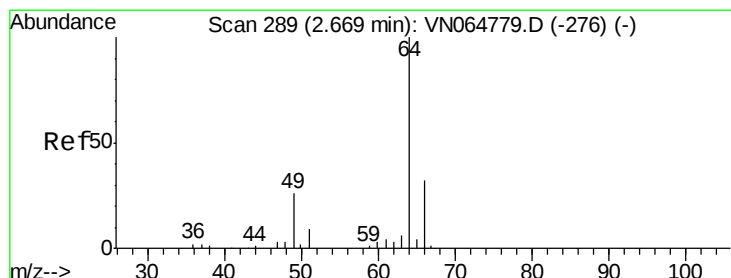
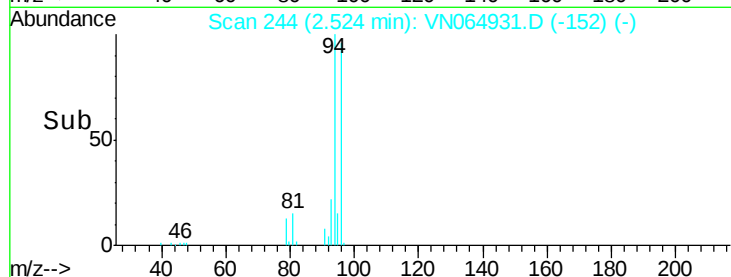
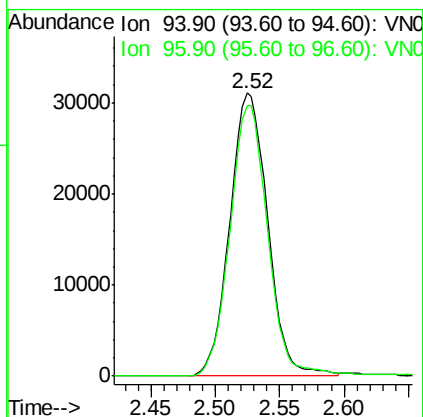
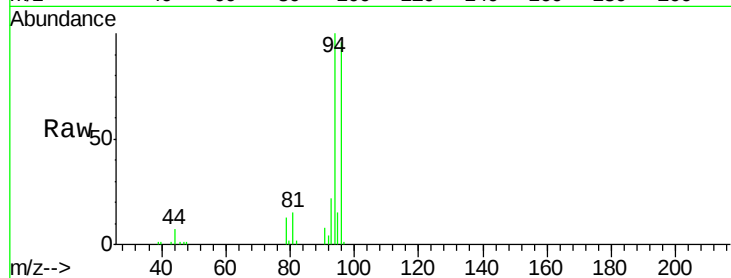
SS013-13-6702-120220MS

Tot Ion: 94 Resp: 63515

Ion Ratio Lower Upper

94 100

96 95.8 75.4 113.0



#6

Chloroethane

Concen: 43.223 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064931.D

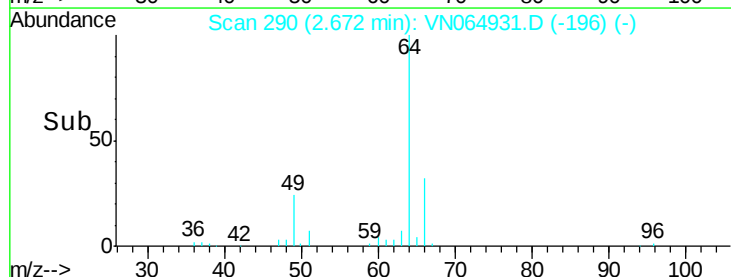
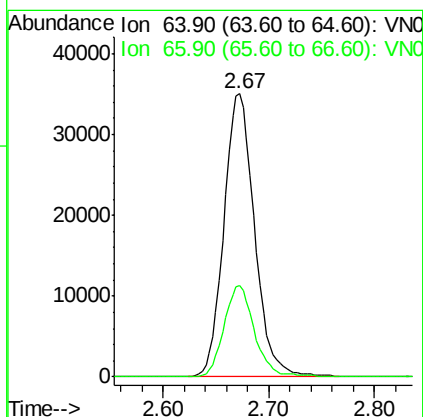
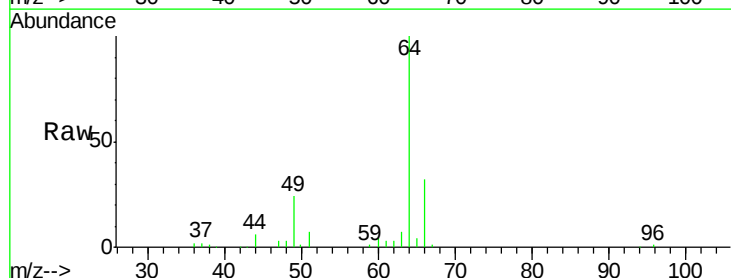
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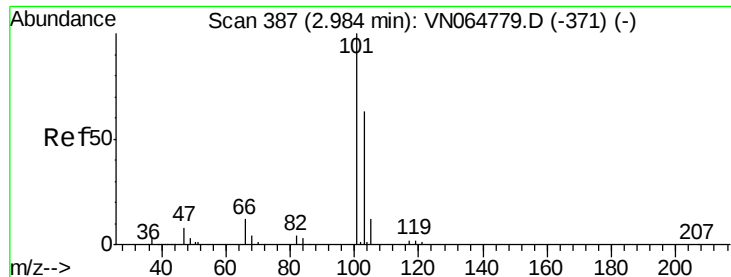
Tgt Ion: 64 Resp: 70378

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



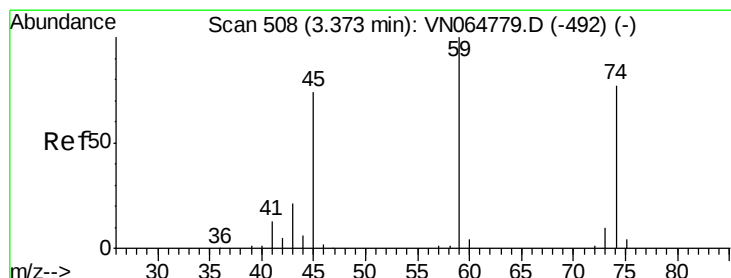
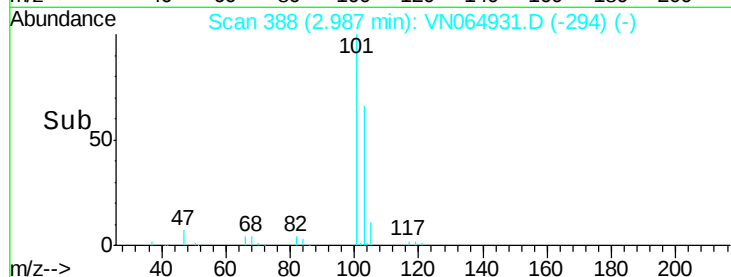
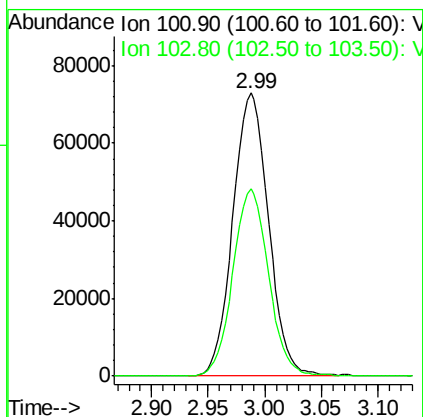
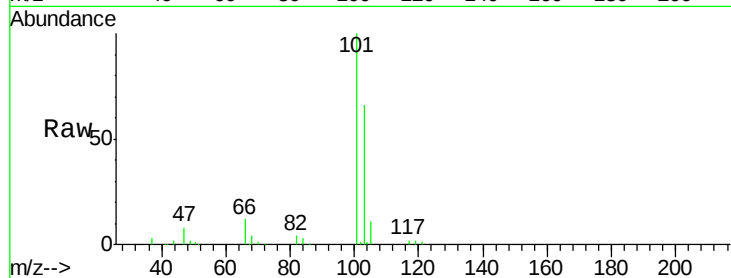


#7

Trichlorofluoromethane
Concen: 44.120 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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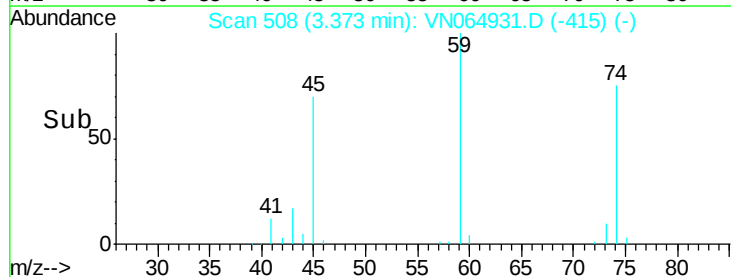
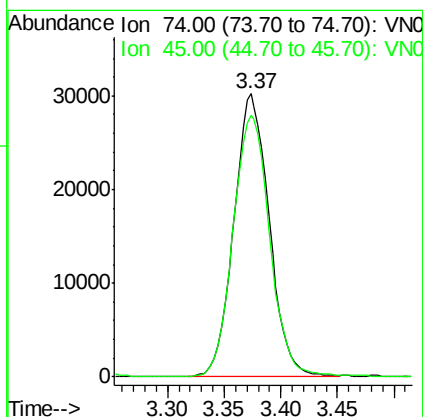
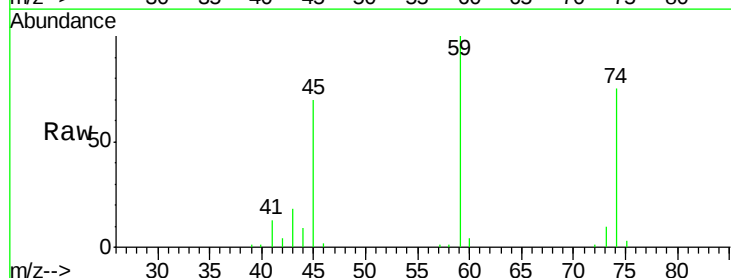
Tot Ion:101 Resp: 160556
Ion Ratio Lower Upper
101 100
103 66.1 50.5 75.7

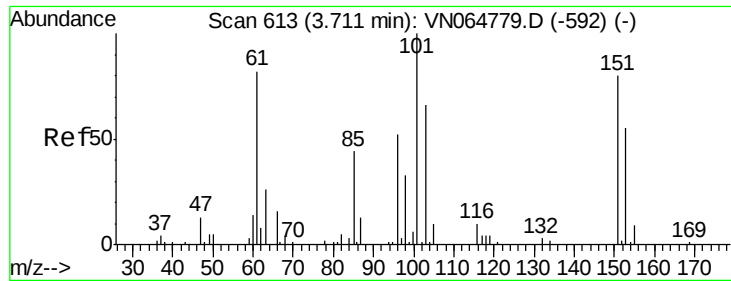


#8

Diethyl Ether
Concen: 45.751 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 74 Resp: 65718
Ion Ratio Lower Upper
74 100
45 95.9 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.090 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

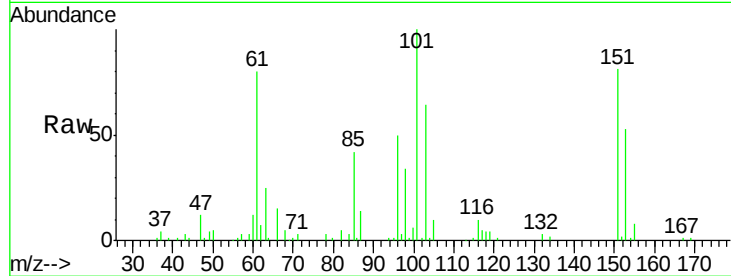
Tot Ion:101 Resp: 100615

Ion Ratio Lower Upper

101 100

85 42.6 34.4 51.6

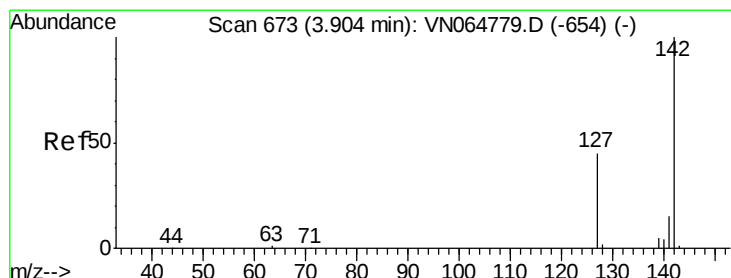
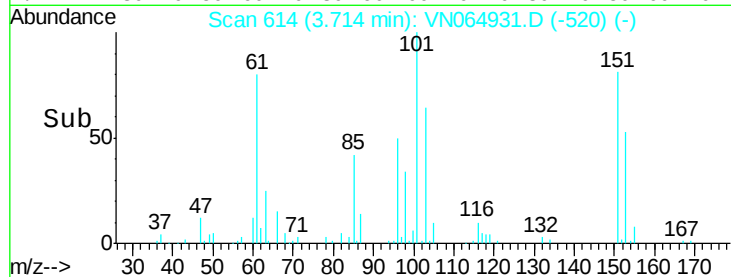
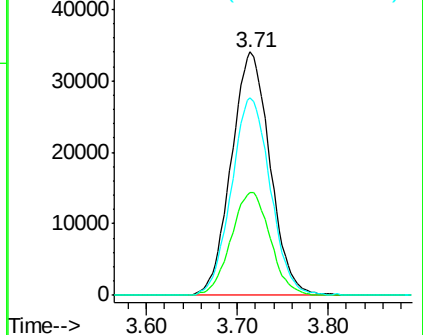
151 81.5 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.348 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

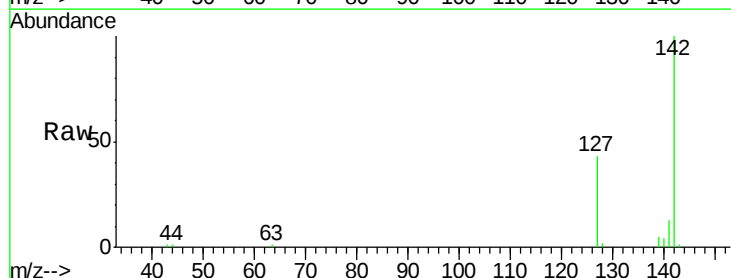
Tgt Ion:142 Resp: 100089

Ion Ratio Lower Upper

142 100

127 42.0 35.0 52.6

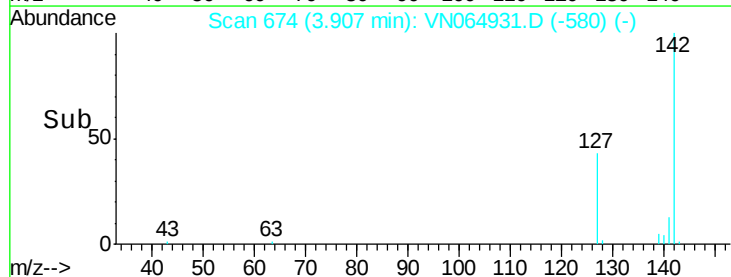
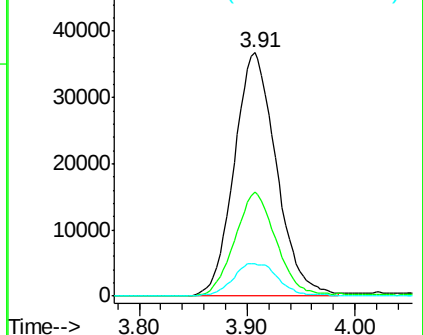
141 14.4 11.8 17.6

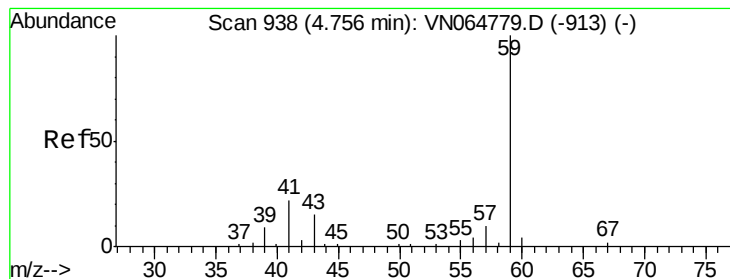


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



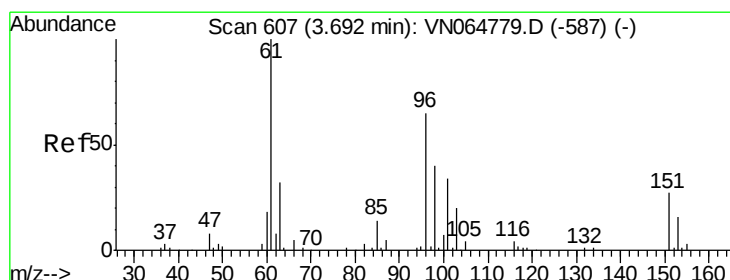
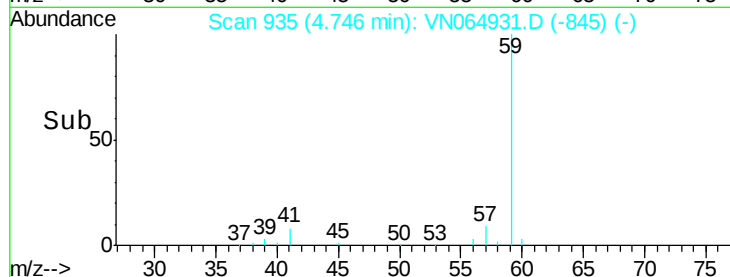
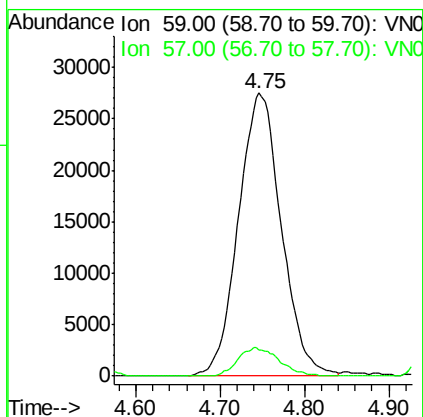
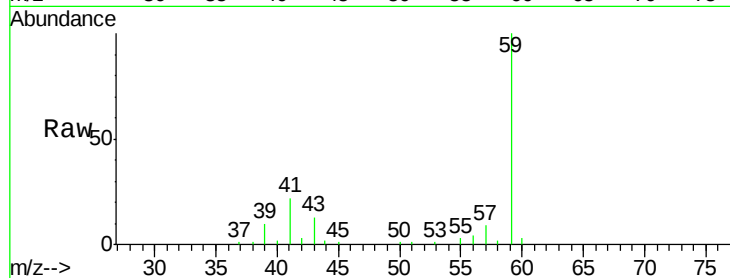


#11

Tert butyl alcohol
 Concen: 239.334 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

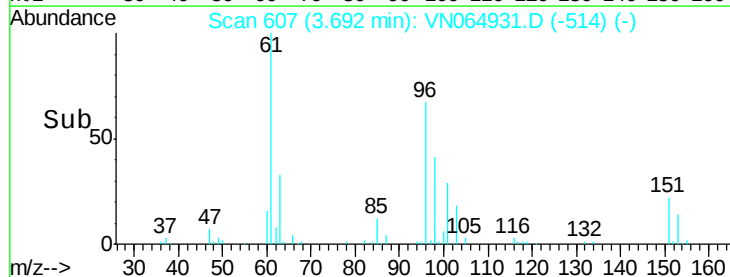
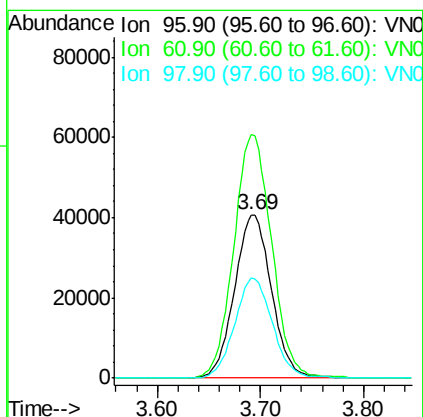
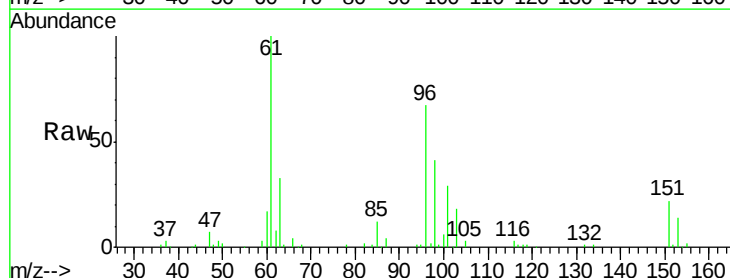
Tot Ion: 59 Resp: 97287
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.9 11.9

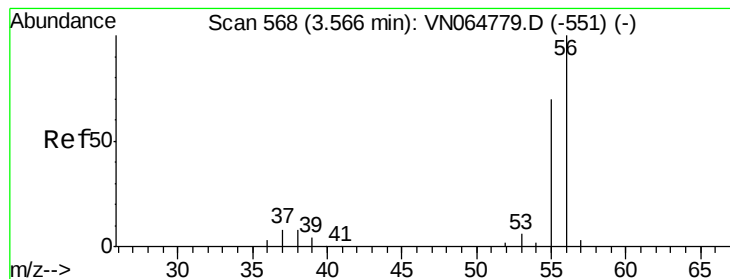


#12

1,1-Dichloroethene
 Concen: 46.669 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion: 96 Resp: 101464
 Ion Ratio Lower Upper
 96 100
 61 149.0 123.4 185.2
 98 61.0 49.8 74.8





#13

Acrolein

Concen: 155.100 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

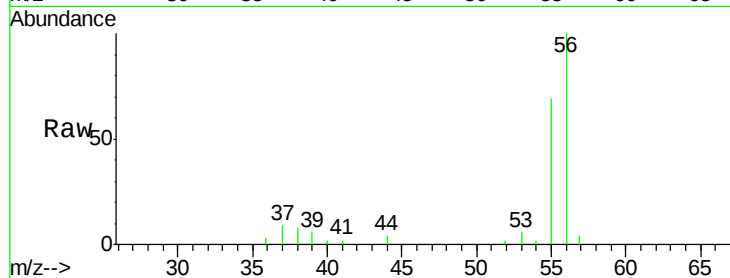
SS013-13-6702-120220MS

Tot Ion: 56 Resp: 38510

Ion Ratio Lower Upper

56 100

55 71.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN064931.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064931.D (-551) (-)

3.56

15000

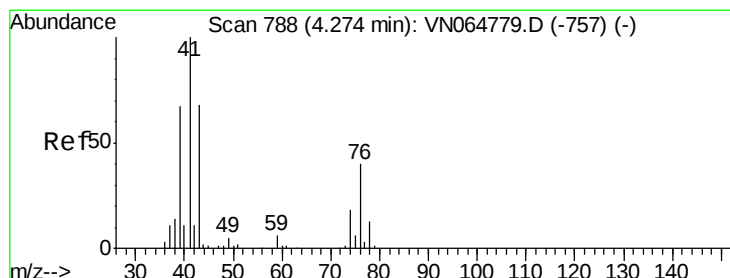
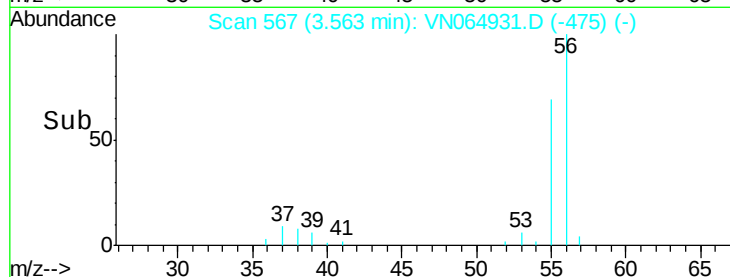
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 46.321 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

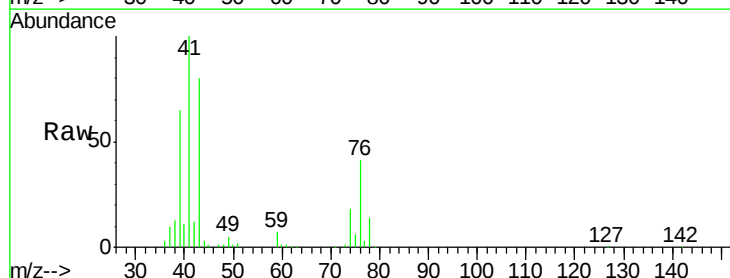
Tgt Ion: 41 Resp: 166101

Ion Ratio Lower Upper

41 100

39 61.1 50.9 76.3

76 36.9 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN064931.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN064931.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN064931.D (-757) (-)

4.27

60000

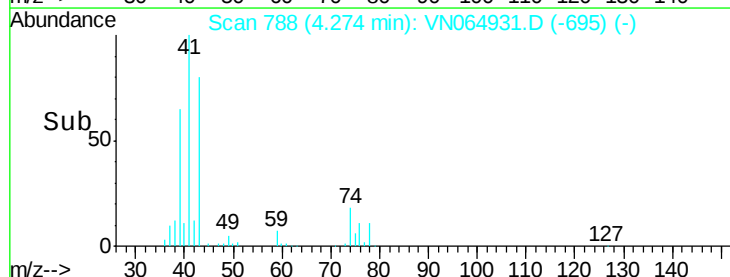
40000

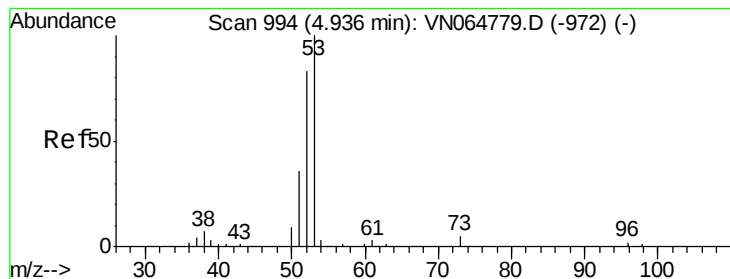
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 246.495 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

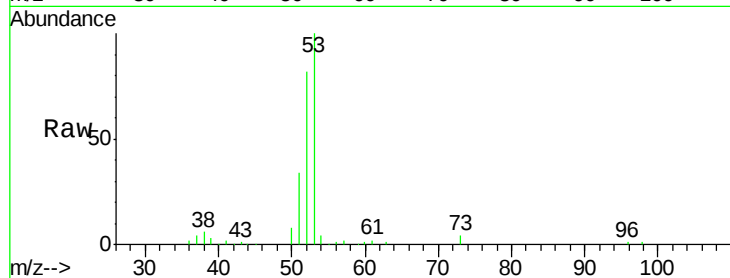
Tot Ion: 53 Resp: 276798

Ion Ratio Lower Upper

53 100

52 79.6 65.5 98.3

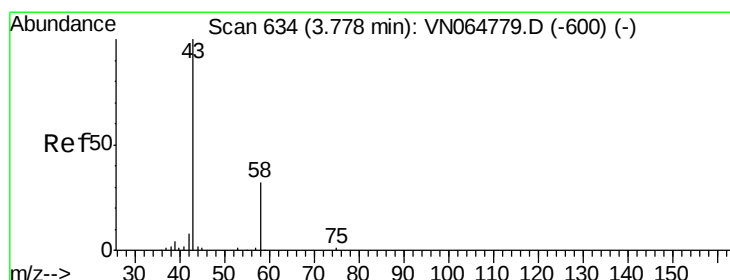
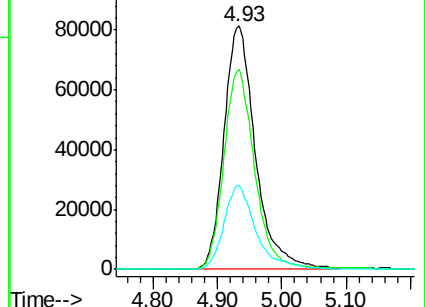
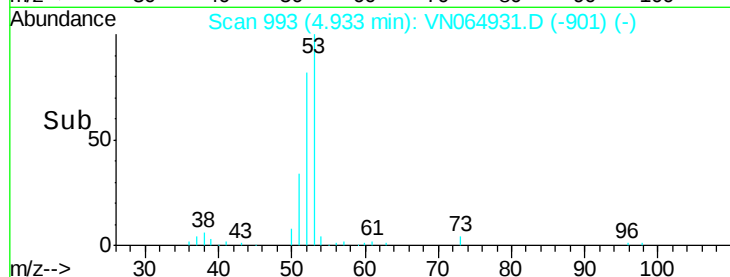
51 35.2 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064931.D (-901) (-)

Ion 52.00 (51.70 to 52.70): VN064931.D (-901) (-)

Ion 51.00 (50.70 to 51.70): VN064931.D (-901) (-)



#16

Acetone

Concen: 262.007 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064931.D

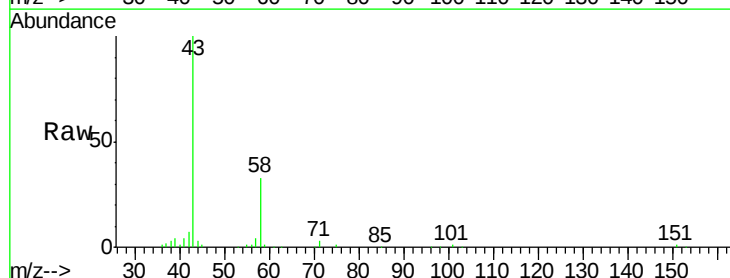
Acq: 4 Dec 2020 20:07

Tgt Ion: 43 Resp: 224495

Ion Ratio Lower Upper

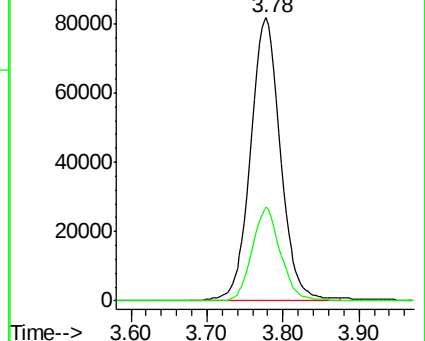
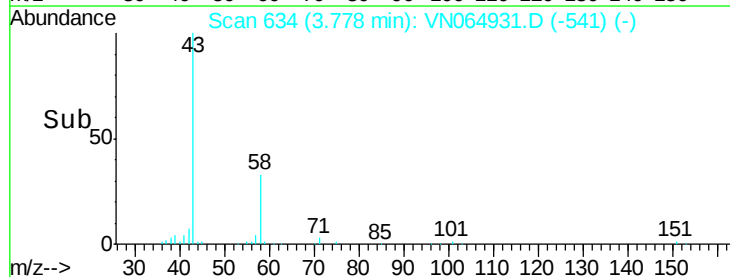
43 100

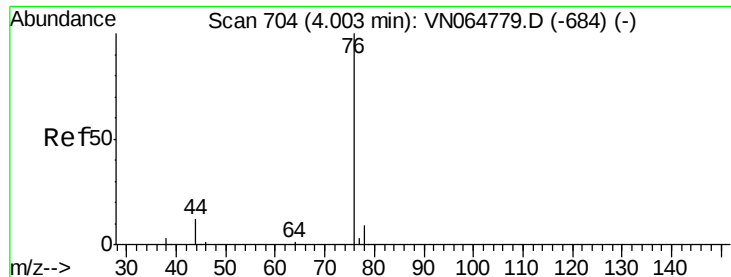
58 33.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064931.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN064931.D (-541) (-)

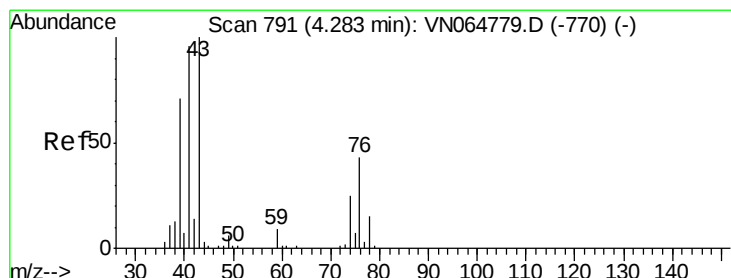
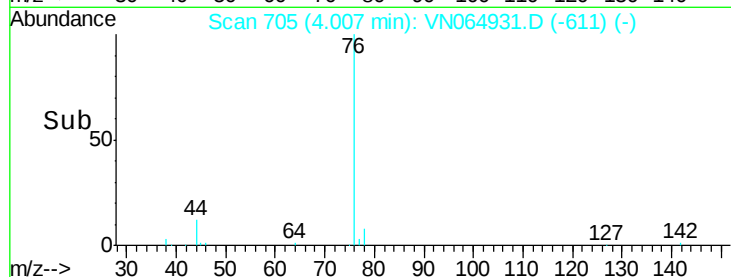
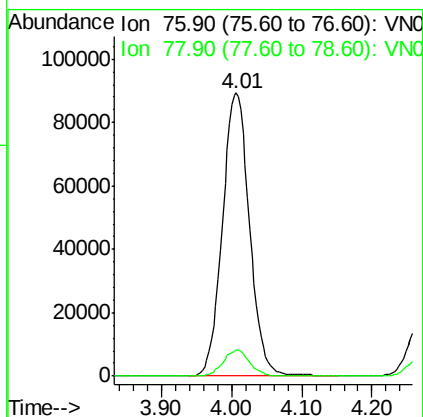
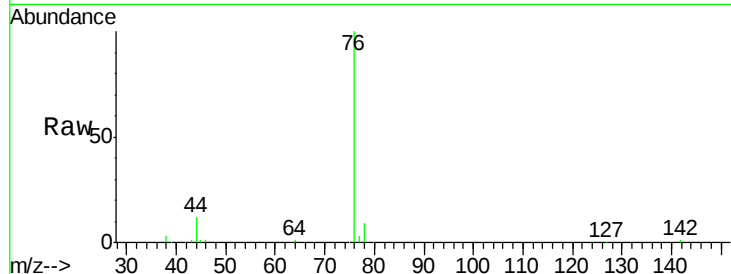




#17
Carbon Disulfide
Concen: 42.689 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

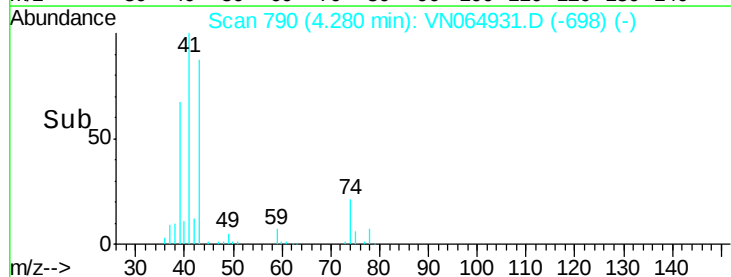
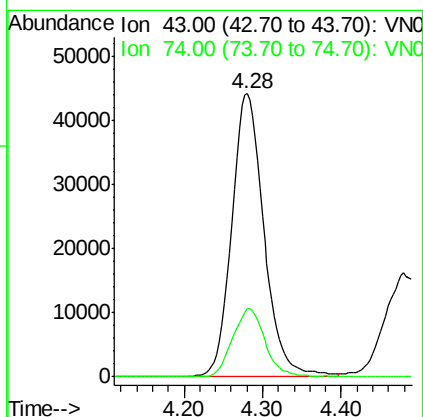
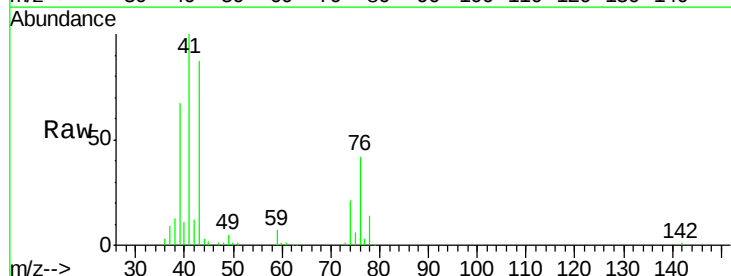
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

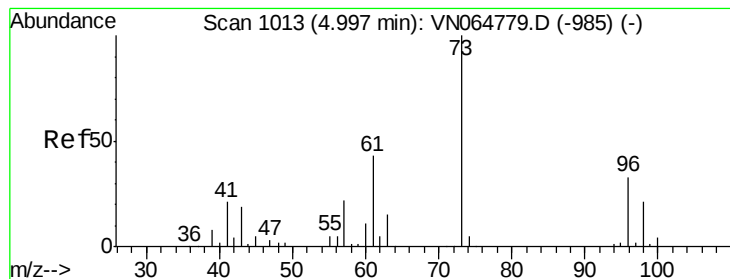
Tot Ion: 76 Resp: 239628
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 48.964 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 43 Resp: 126137
Ion Ratio Lower Upper
43 100
74 24.2 20.2 30.2



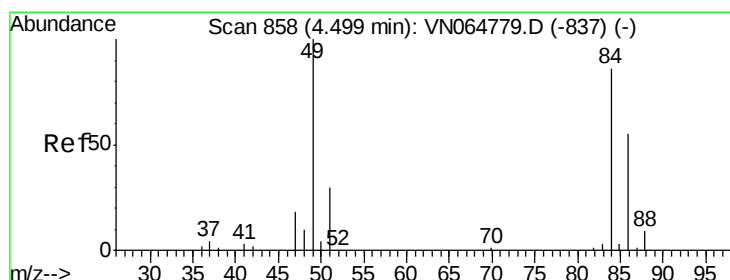
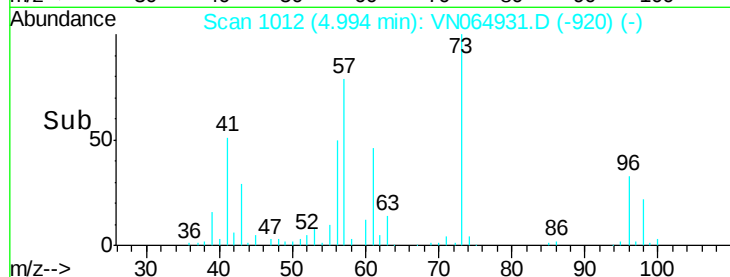
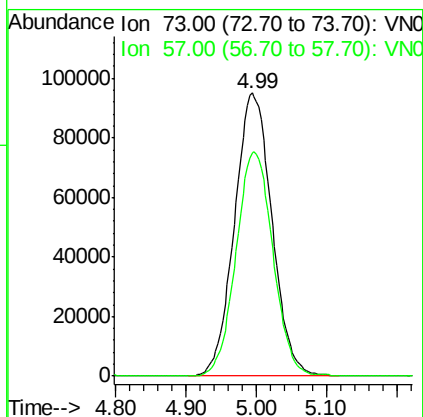
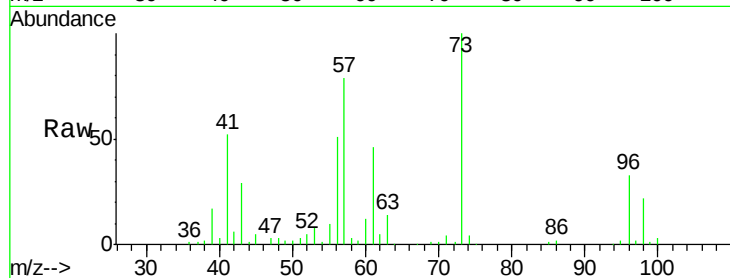


#19

Methyl tert-butyl Ether
 Concen: 50.505 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

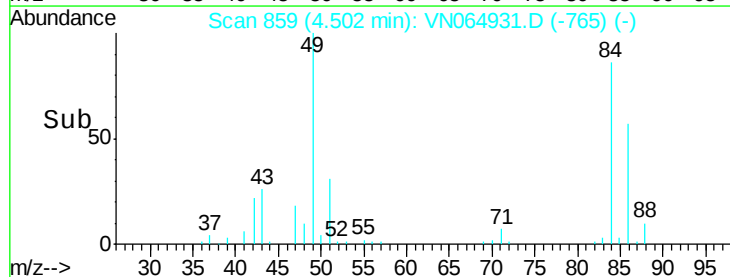
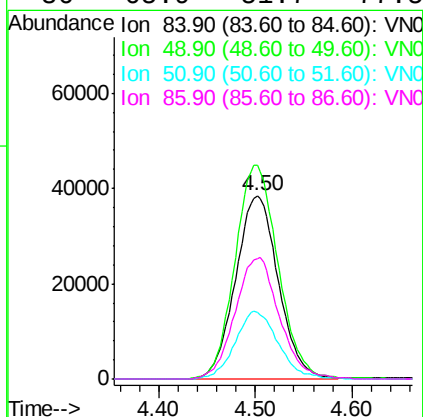
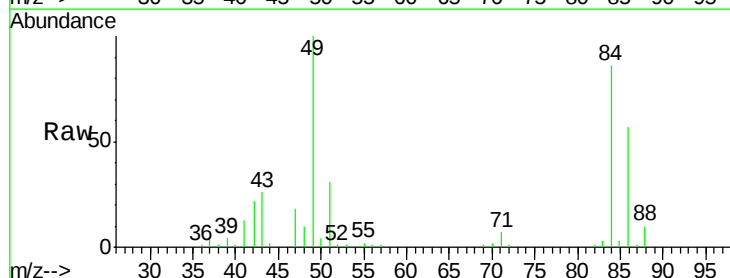
Tot Ion: 73 Resp: 352159
 Ion Ratio Lower Upper
 73 100
 57 79.0 17.4 26.0#

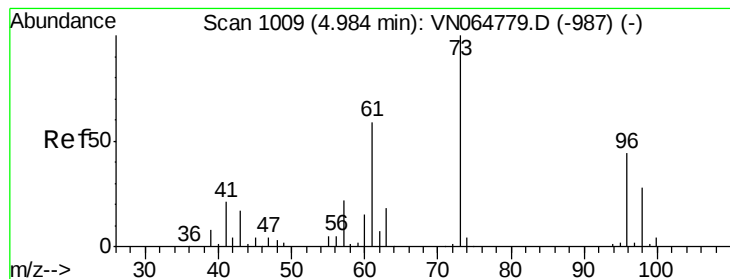


#20

Methylene Chloride
 Concen: 44.057 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion: 84 Resp: 118291
 Ion Ratio Lower Upper
 84 100
 49 116.6 93.4 140.0
 51 36.4 28.2 42.4
 86 65.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 44.417 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

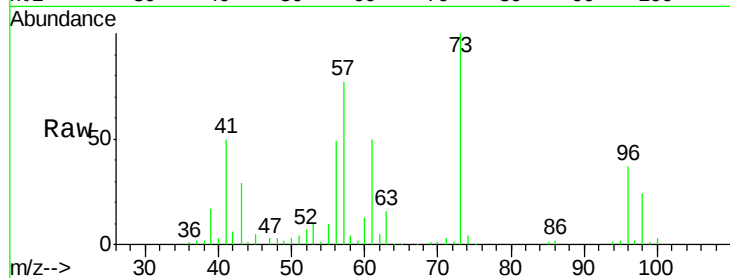
Tot Ion: 96 Resp: 107238

Ion Ratio Lower Upper

96 100

61 137.4 108.4 162.6

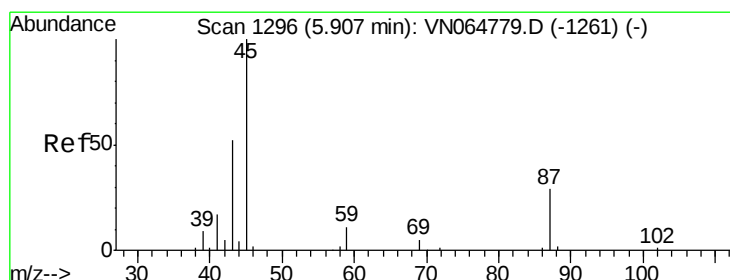
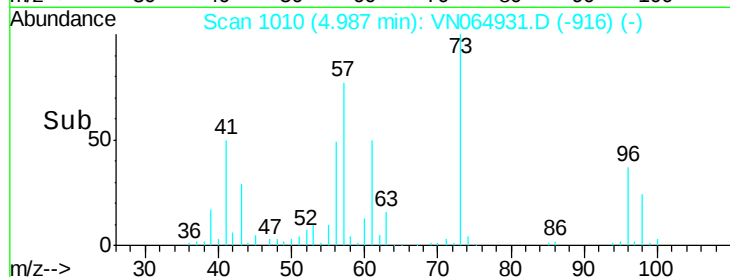
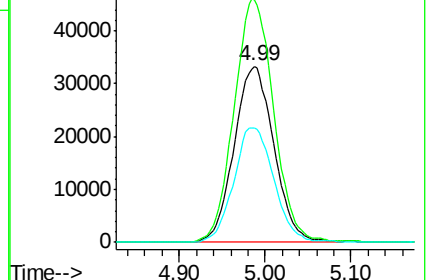
98 64.9 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-987) (-)



#22

Diisopropyl ether

Concen: 49.434 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion: 45 Resp: 354803

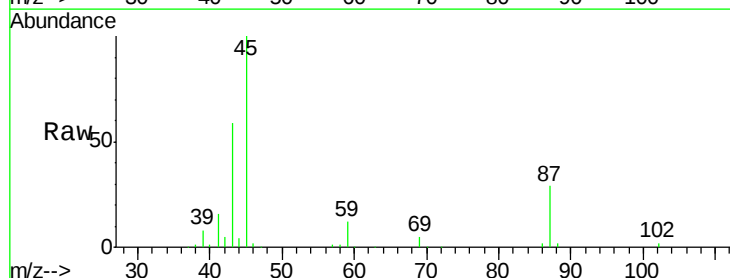
Ion Ratio Lower Upper

45 100

43 57.4 46.2 69.2

87 29.2 24.1 36.1

59 12.2 9.0 13.4

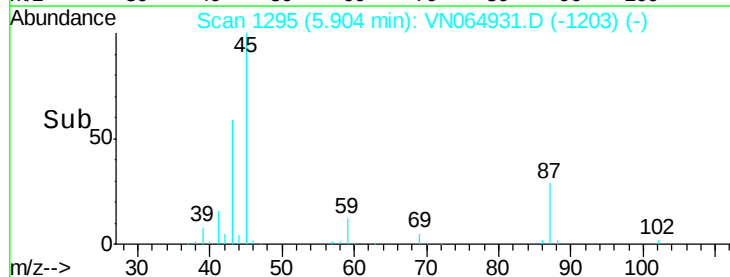
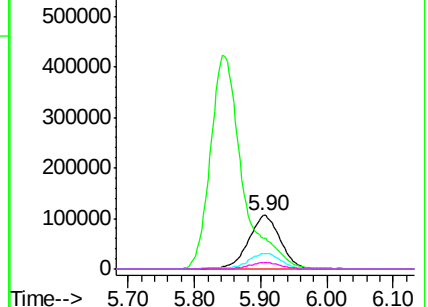


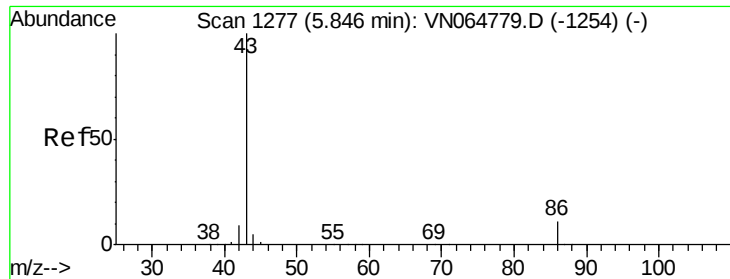
Abundance Ion 45.00 (44.70 to 45.70): VN064779.D (-1261) (-)

Ion 43.00 (42.70 to 43.70): VN064779.D (-1261) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1261) (-)

Ion 59.00 (58.70 to 59.70): VN064779.D (-1261) (-)





#23

Vinyl Acetate

Concen: 246.103 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

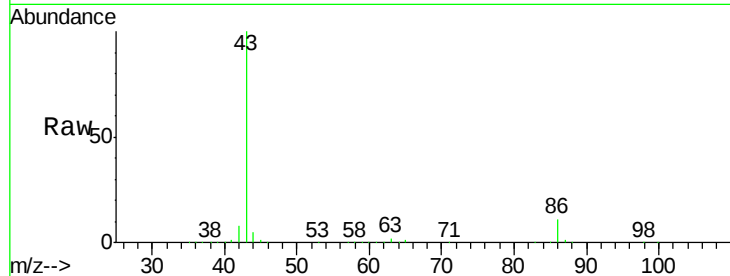
SS013-13-6702-120220MS

Tot Ion: 43 Resp: 1412506

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN064931.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064931.D (-1184) (-)

5.84

400000

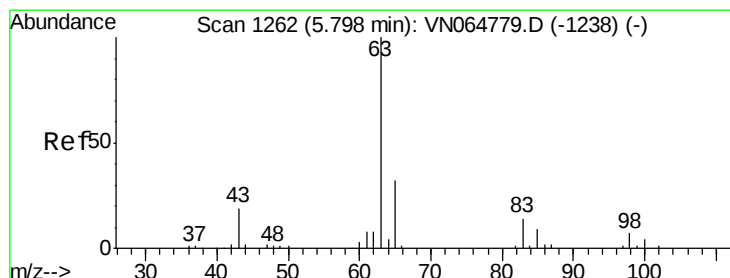
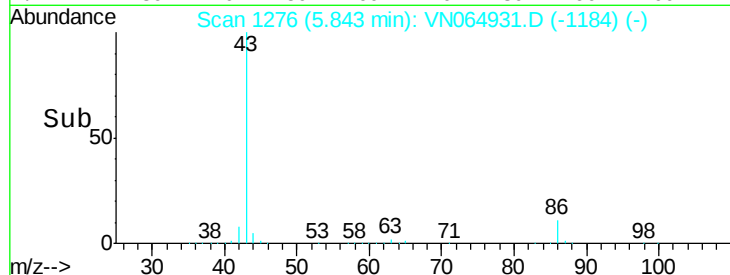
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.460 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

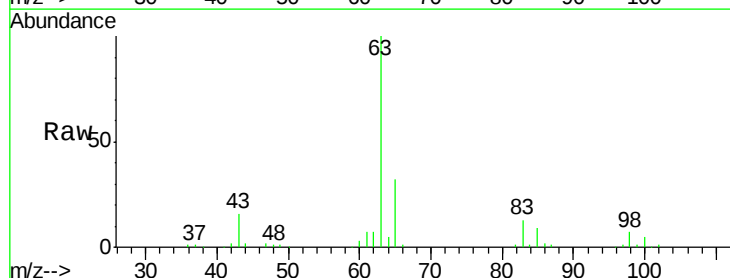
Tgt Ion: 63 Resp: 207865

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064931.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064931.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064931.D (-1169) (-)

5.79

80000

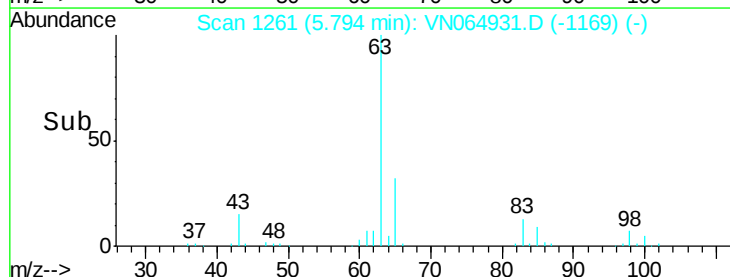
60000

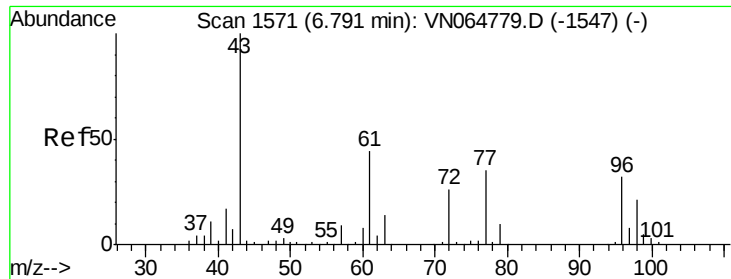
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.120 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

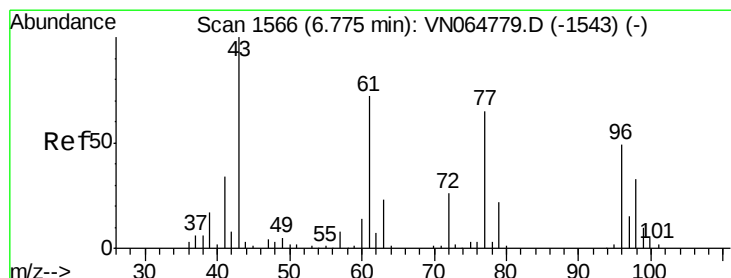
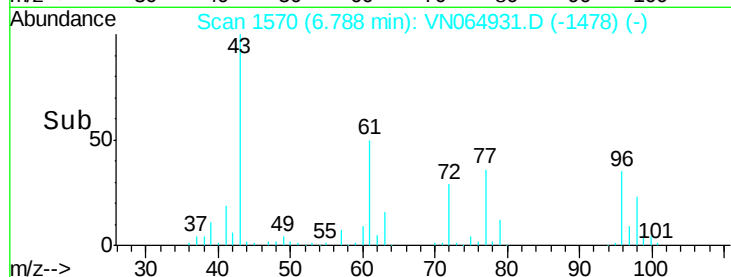
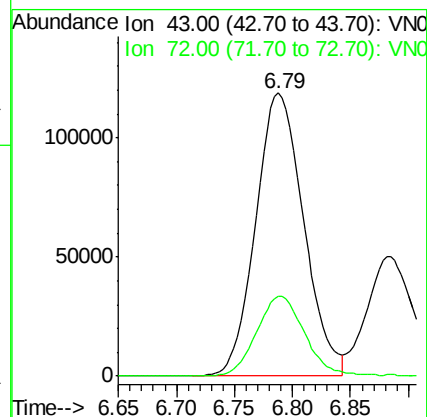
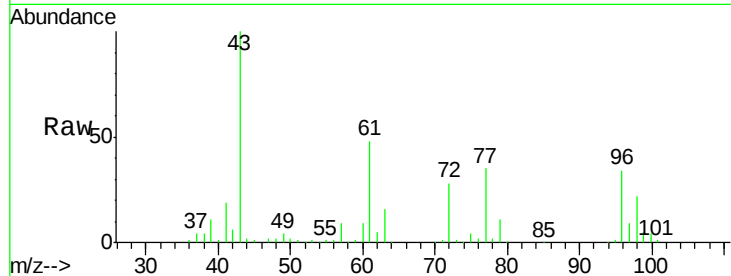
SS013-13-6702-120220MS

Tot Ion: 43 Resp: 340462

Ion Ratio Lower Upper

43 100

72 28.2 21.0 31.6



#26

2,2-Dichloropropane

Concen: 43.377 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064931.D

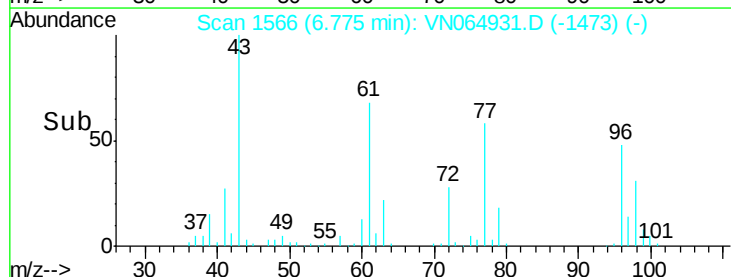
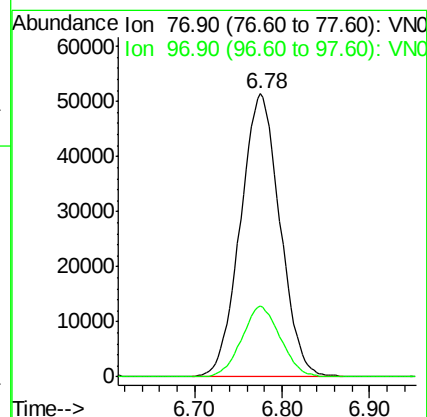
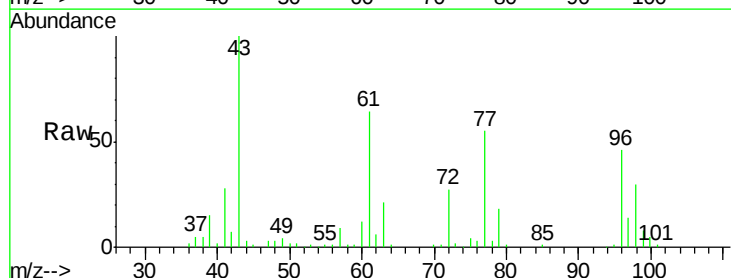
Acq: 4 Dec 2020 20:07

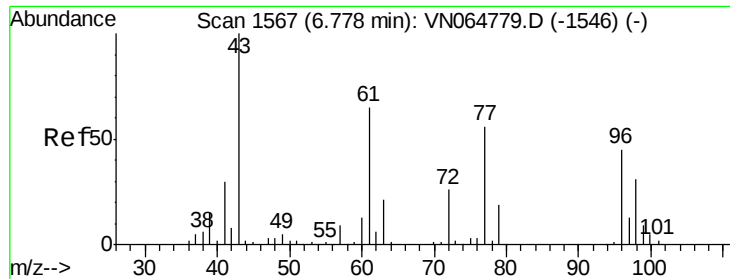
Tgt Ion: 77 Resp: 161371

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.241 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

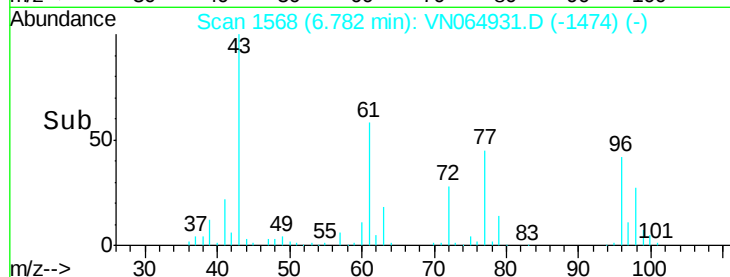
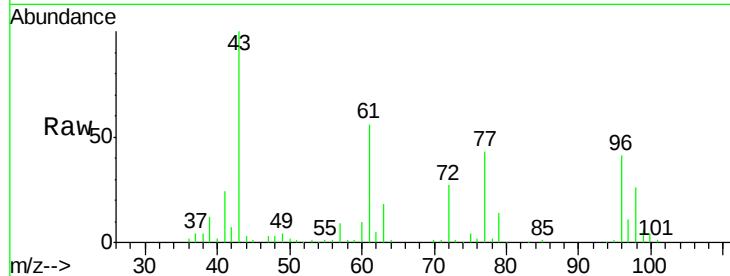
Tot Ion: 96 Resp: 131058

Ion Ratio Lower Upper

96 100

61 139.7 0.0 285.8

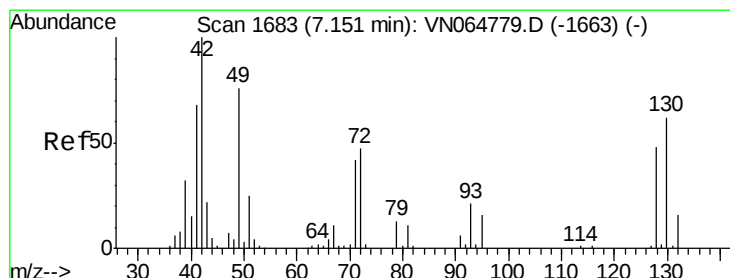
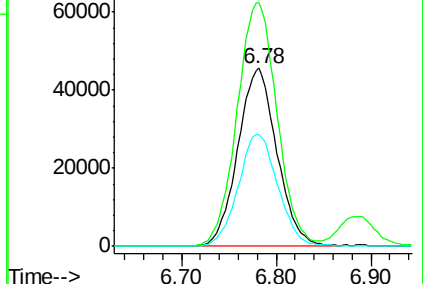
98 64.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064931.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064931.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064931.D (-1474) (-)



#28

Bromochloromethane

Concen: 48.525 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

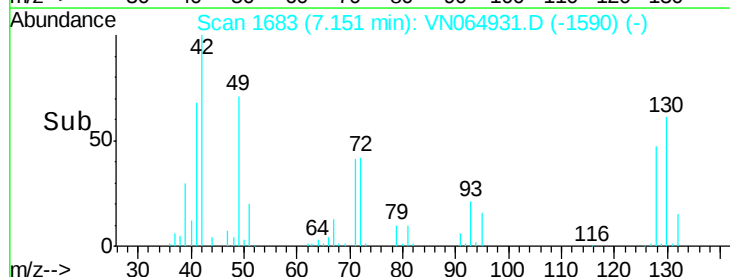
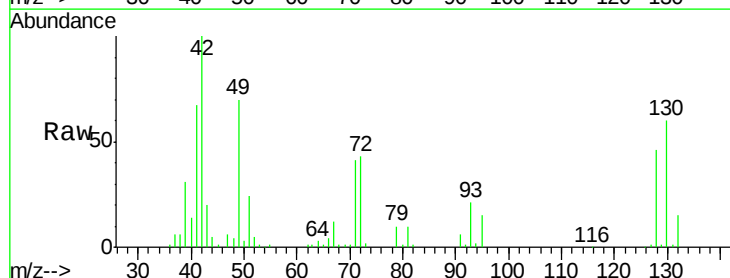
Tgt Ion: 49 Resp: 95220

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

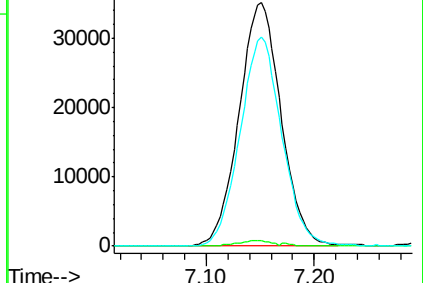
130 85.3 66.2 99.2

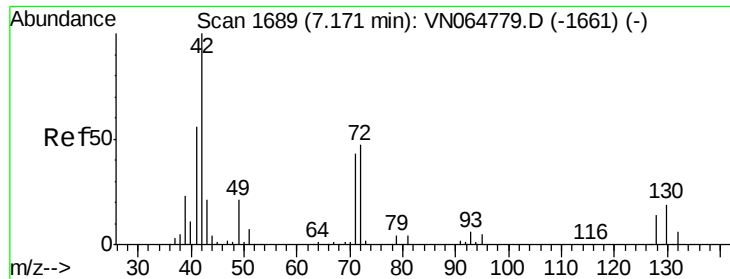


Abundance Ion 48.90 (48.60 to 49.60): VN064931.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN064931.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN064931.D (-1590) (-)

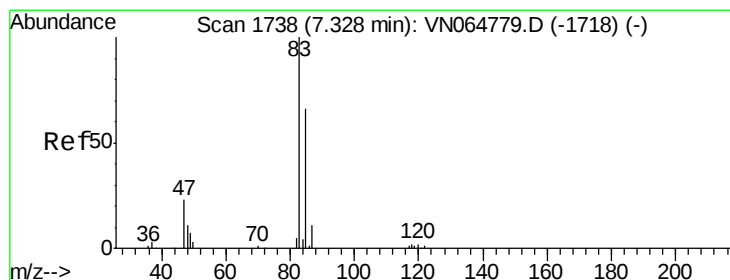
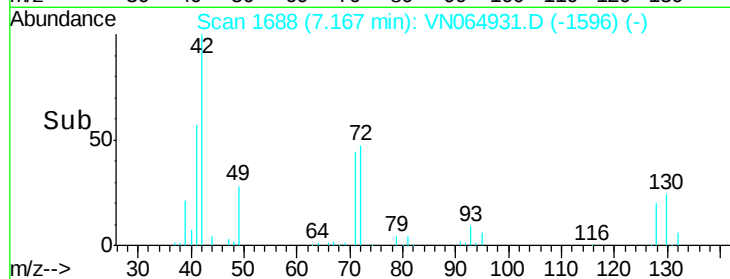
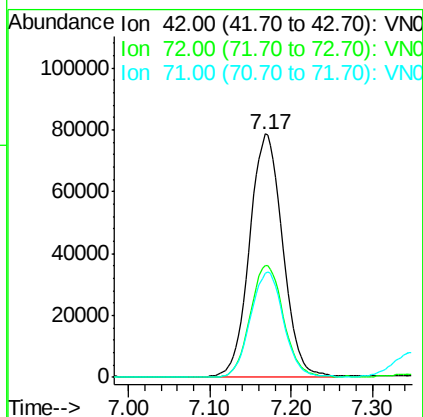
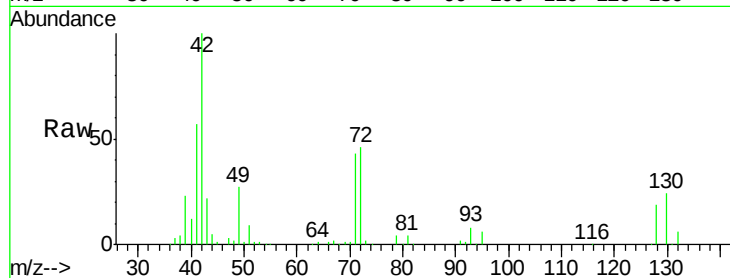




#29
Tetrahydrofuran
Concen: 230.909 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

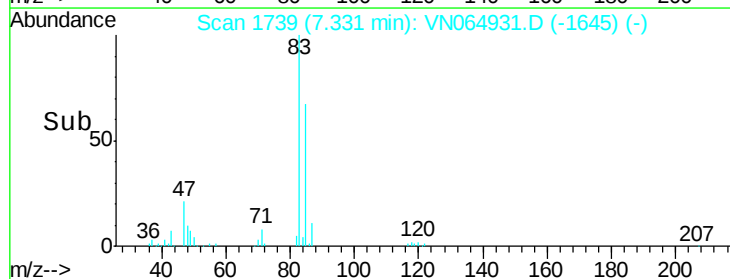
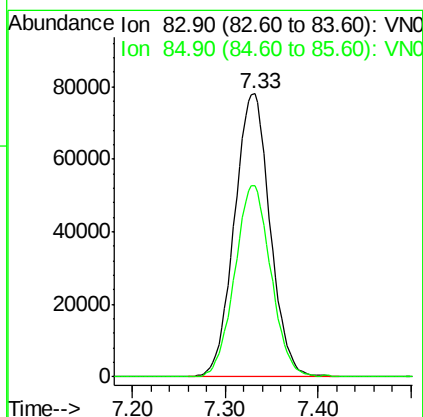
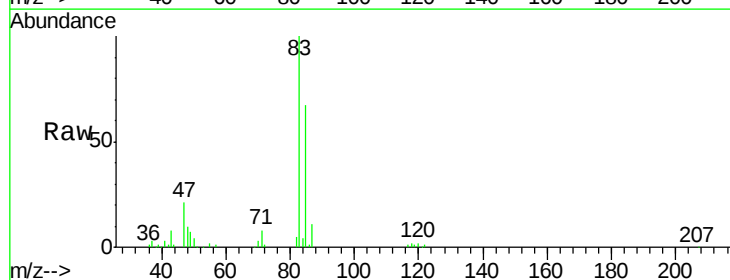
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

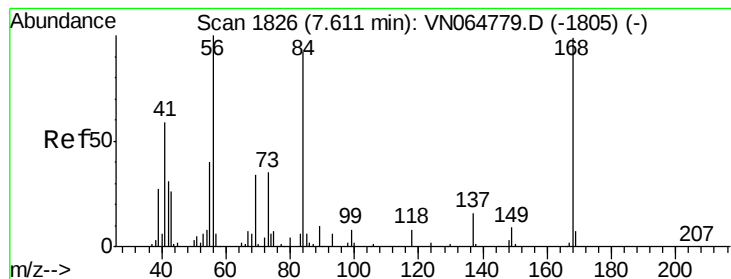
Tot Ion: 42 Resp: 221393
Ion Ratio Lower Upper
42 100
72 46.0 36.6 54.8
71 43.2 33.6 50.4



#30
Chloroform
Concen: 47.085 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 83 Resp: 208275
Ion Ratio Lower Upper
83 100
85 67.3 52.6 78.8





#31

Cyclohexane

Concen: 121.409 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

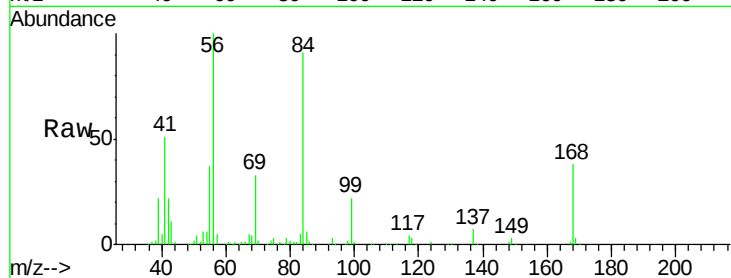
Tot Ion: 56 Resp: 441059

Ion Ratio Lower Upper

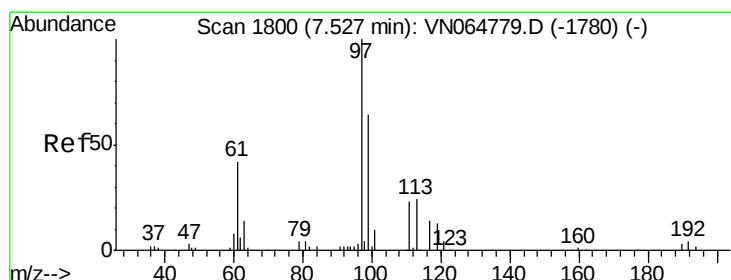
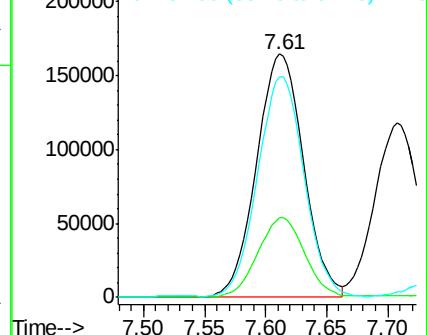
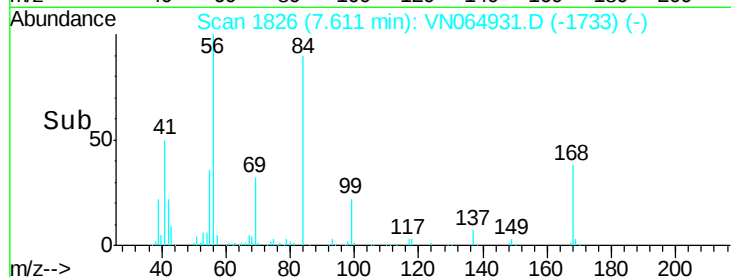
56 100

69 32.5 27.5 41.3

84 90.3 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN064931.D (-1733) (-)



#32

1,1,1-Trichloroethane

Concen: 47.268 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

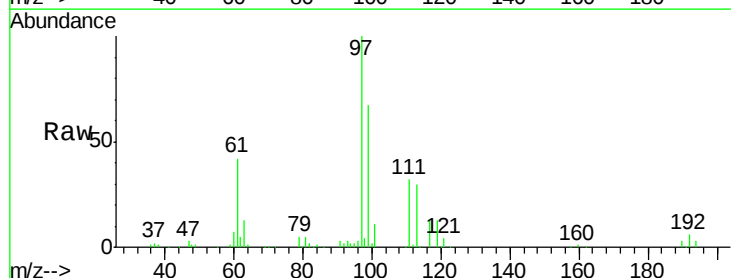
Tgt Ion: 97 Resp: 179576

Ion Ratio Lower Upper

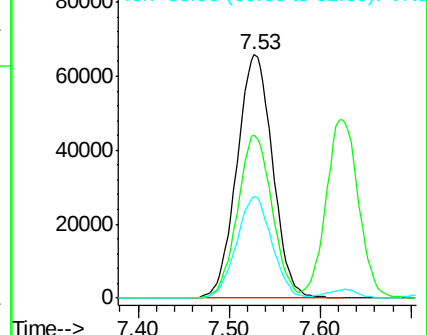
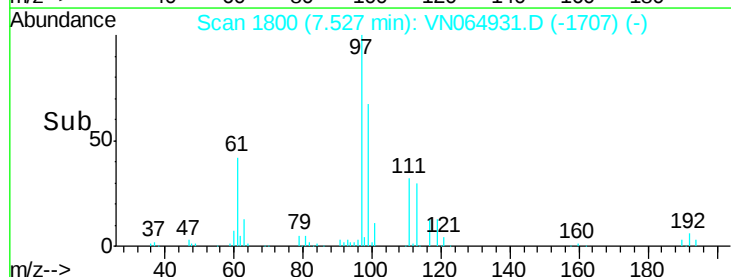
97 100

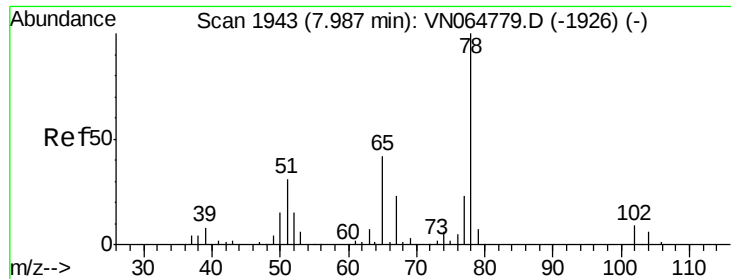
99 64.6 51.7 77.5

61 41.4 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VN064931.D (-1707) (-)

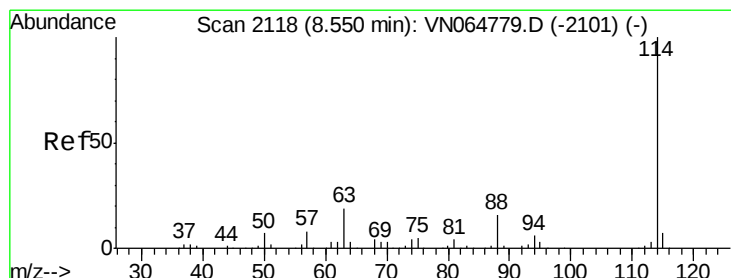
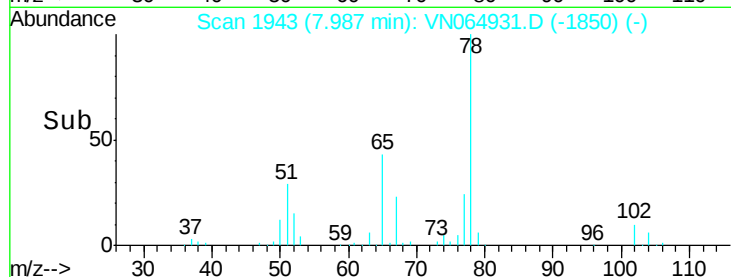
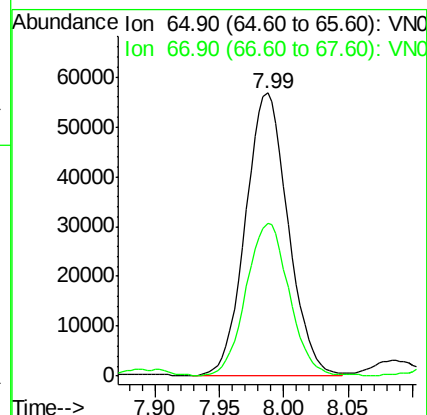
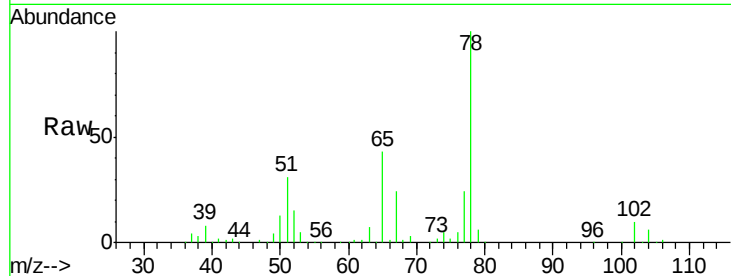




#33
 1,2-Dichloroethane-d4
 Concen: 50.228 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

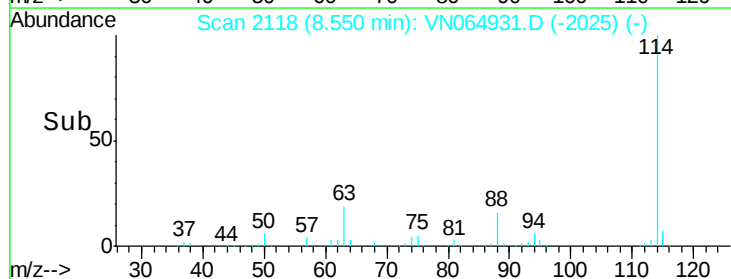
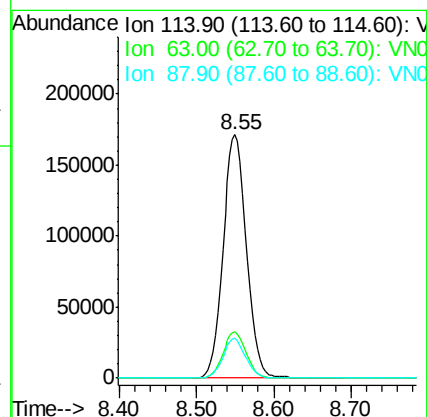
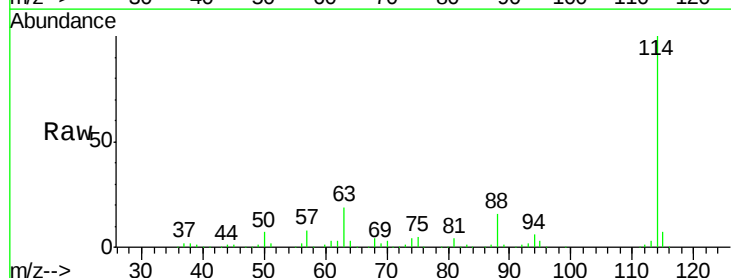
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

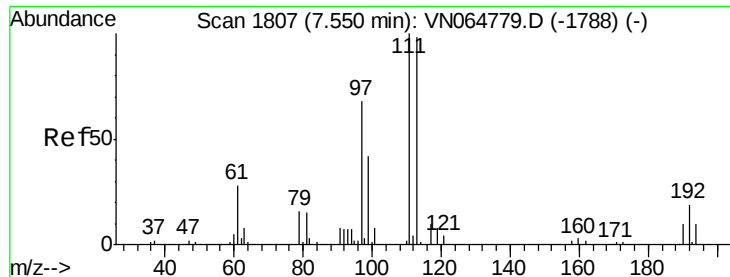
Tot Ion: 65 Resp: 130918
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion: 114 Resp: 359955
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 16.2 0.0 32.6

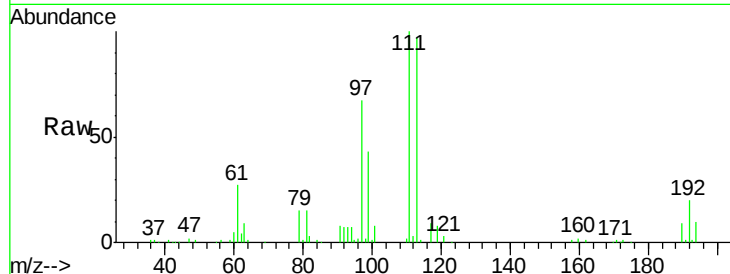




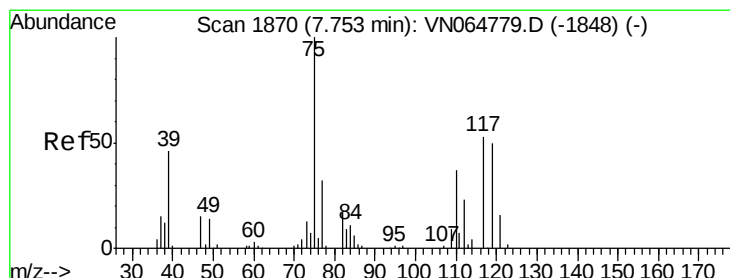
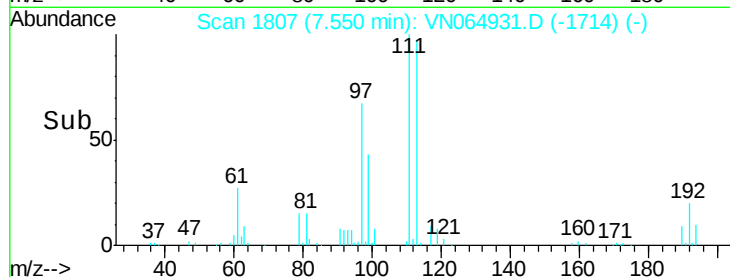
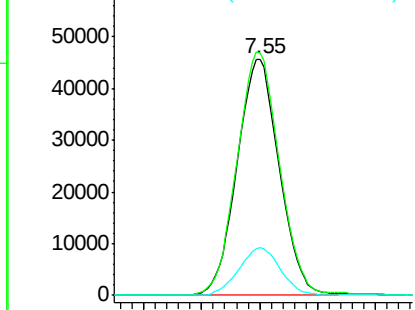
#35
Dibromofluoromethane
Concen: 53.610 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

Tot Ion:113 Resp: 115469
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 19.9 16.2 24.2

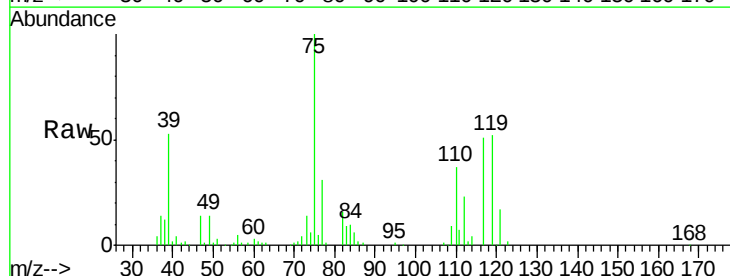


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

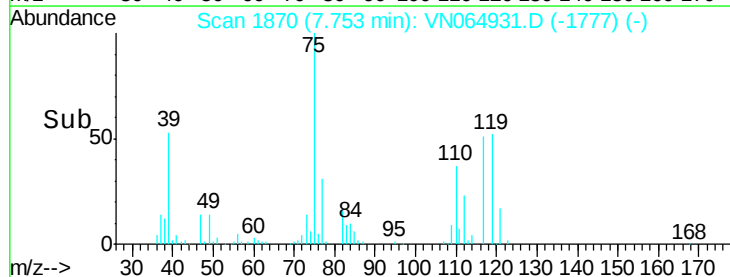
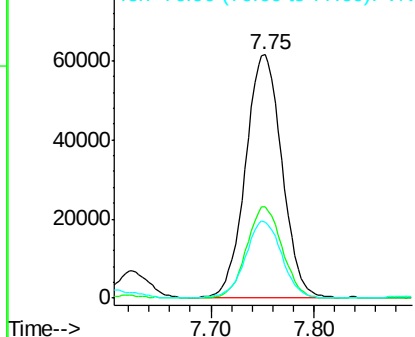


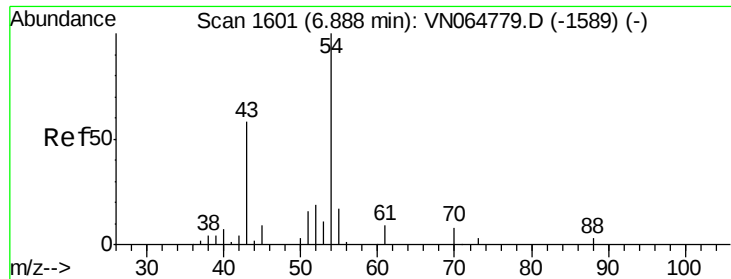
#36
1,1-Dichloropropene
Concen: 45.331 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 75 Resp: 151243
Ion Ratio Lower Upper
75 100
110 36.6 17.8 53.3
77 31.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

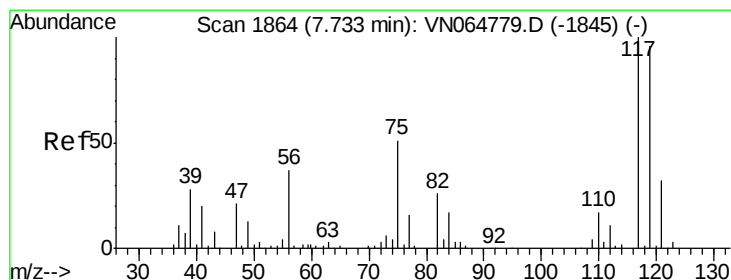
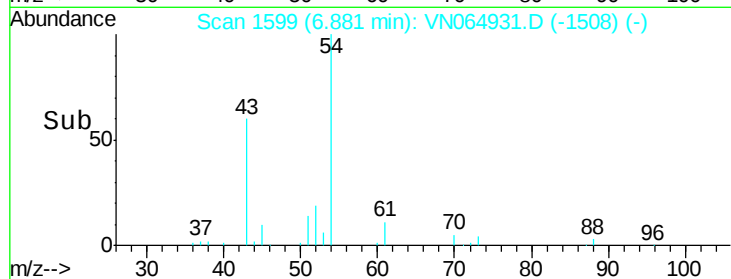
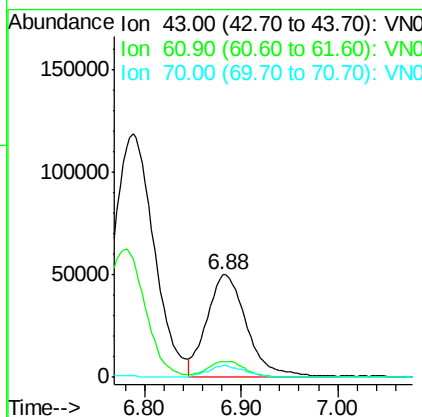
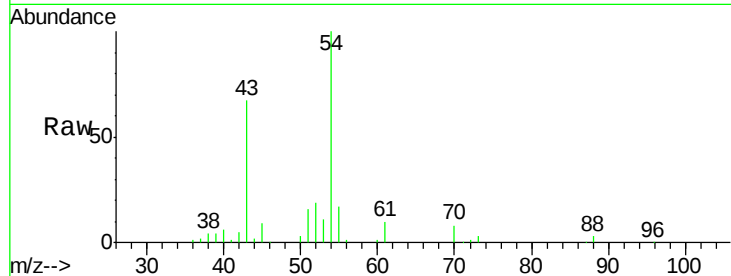




#37
Ethyl Acetate
Concen: 43.927 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

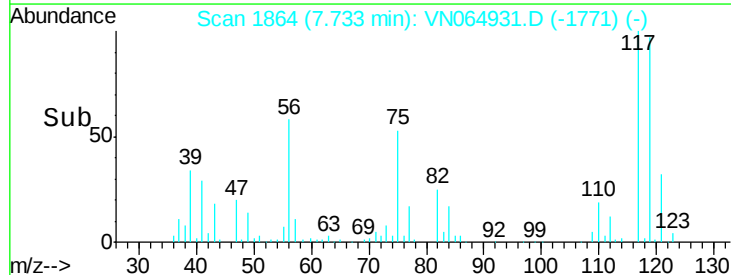
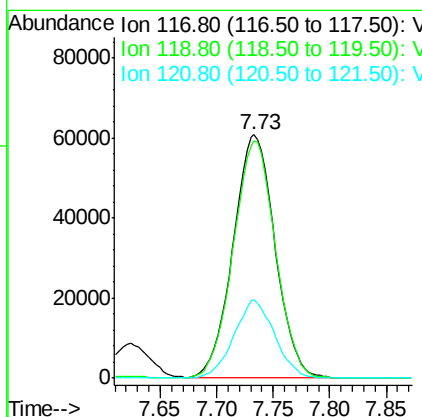
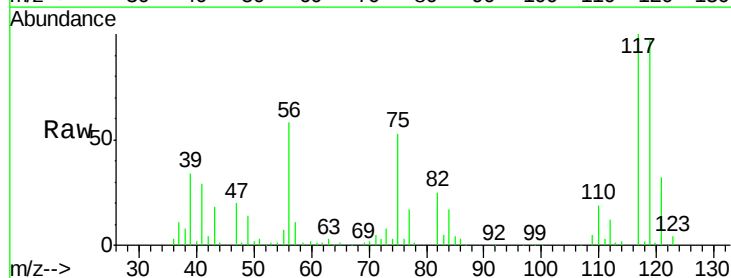
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

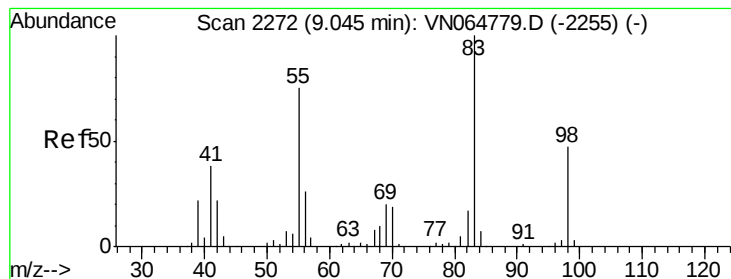
Tot Ion: 43 Resp: 141176
Ion Ratio Lower Upper
43 100
61 14.3 12.8 19.2
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 44.997 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 117 Resp: 156208
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1
121 32.4 25.4 38.2





#39

Methvlcvclohexane

Concen: 441.874 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

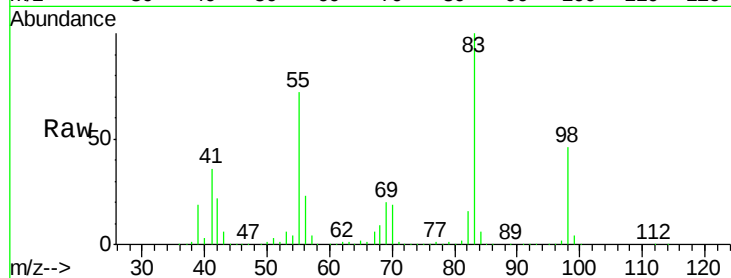
Tot Ion: 83 Resp: 1587066

Ion Ratio Lower Upper

83 100

55 71.6 60.2 90.2

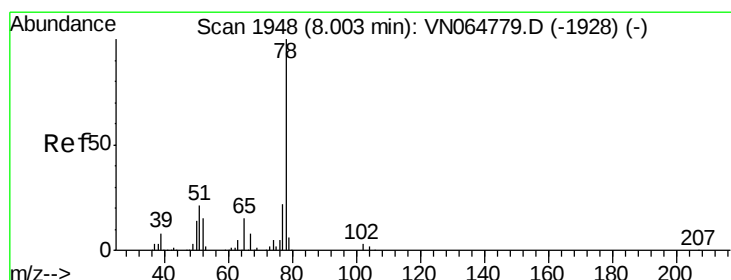
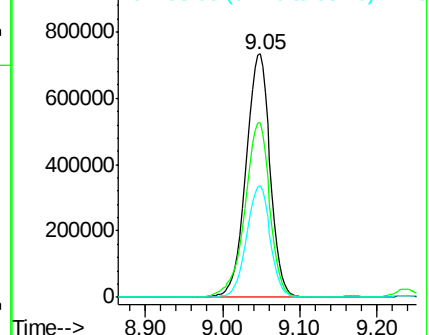
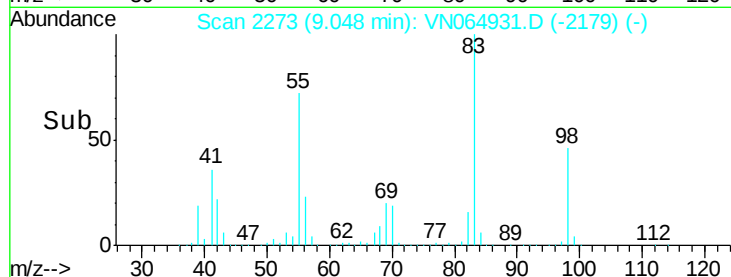
98 45.8 37.4 56.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 46.581 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN064931.D

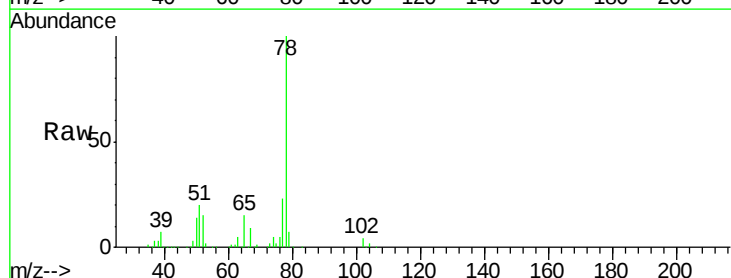
Acq: 4 Dec 2020 20:07

Tgt Ion: 78 Resp: 476244

Ion Ratio Lower Upper

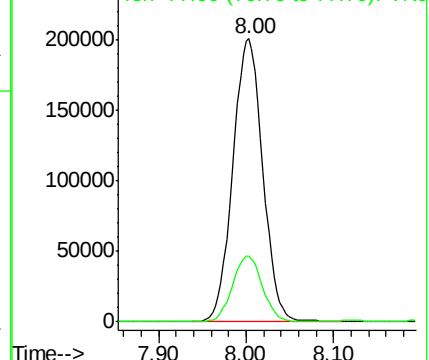
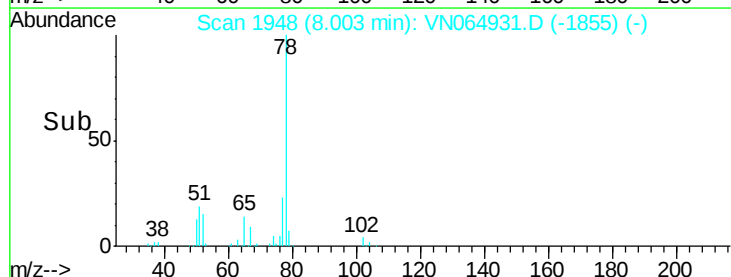
78 100

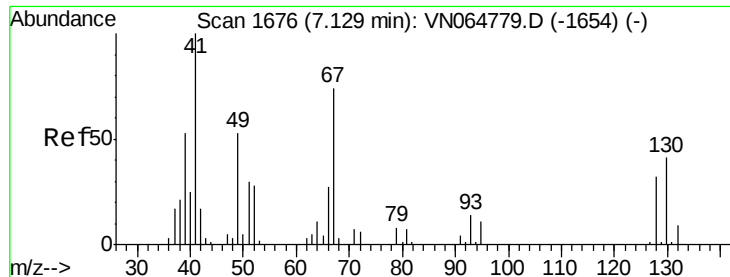
77 23.2 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

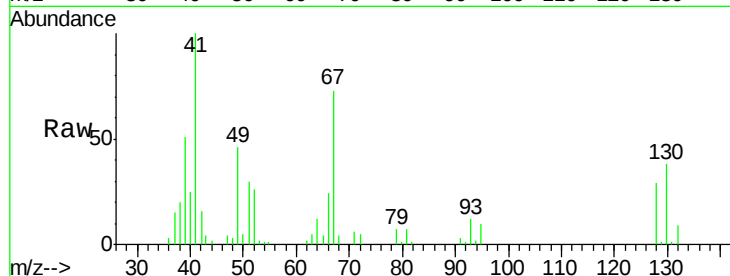




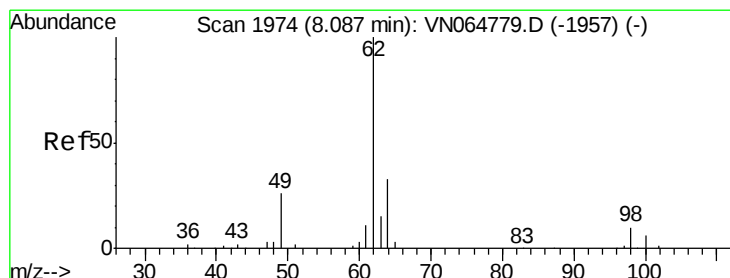
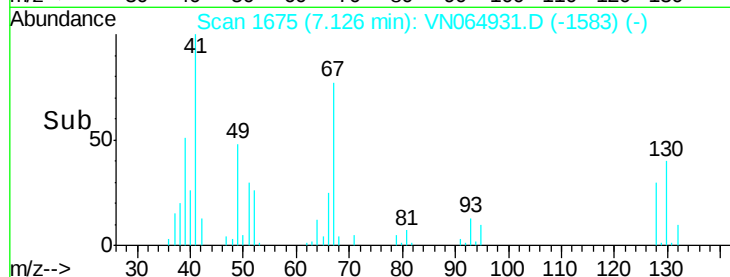
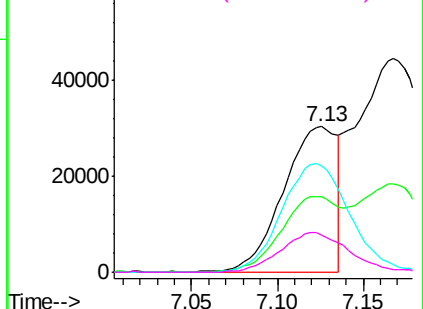
#41
Methacrylonitrile
Concen: 44.285 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

Tot Ion:	41	Resp:	65672
Ion	Ratio	Lower	Upper
41	100		
39	56.9	51.0	76.6
67	95.1	79.8	119.8
52	35.3	31.5	47.3

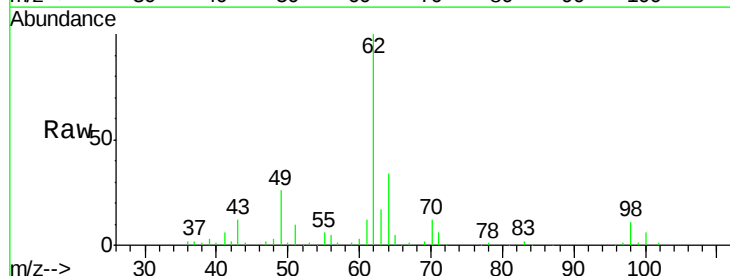


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

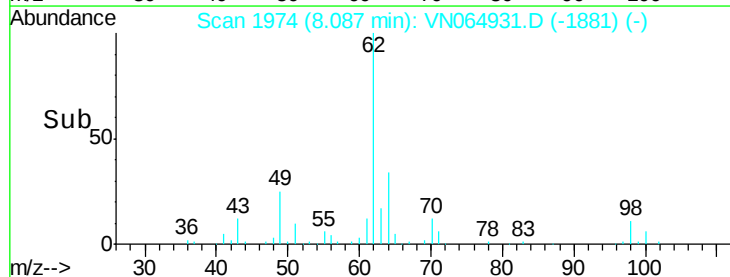
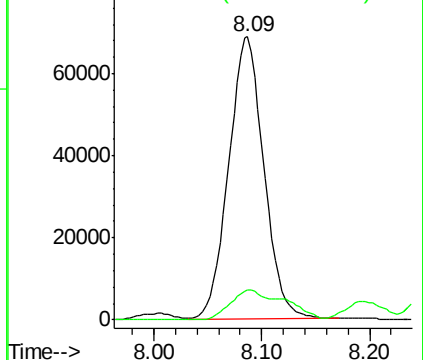


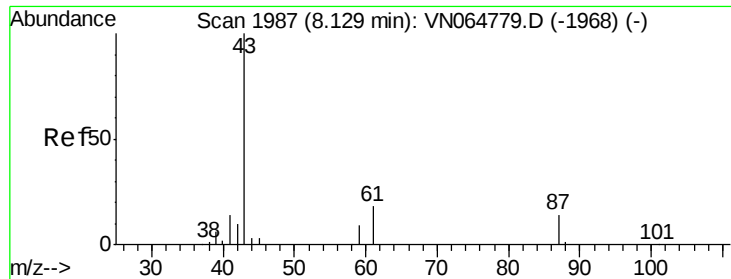
#42
1,2-Dichloroethane
Concen: 45.302 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion:	62	Resp:	156245
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 55.000 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

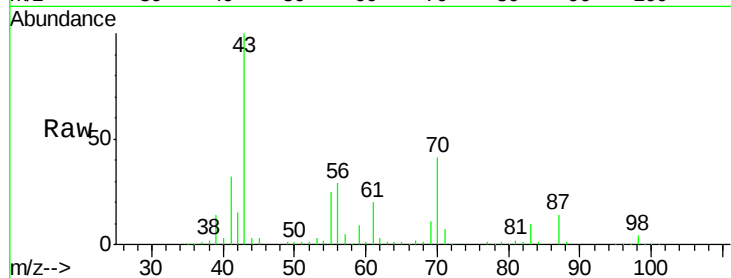
Tot Ion: 43 Resp: 284436

Ion Ratio Lower Upper

43 100

61 18.6 17.2 25.8

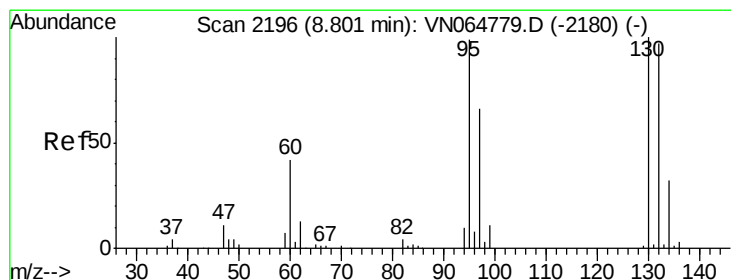
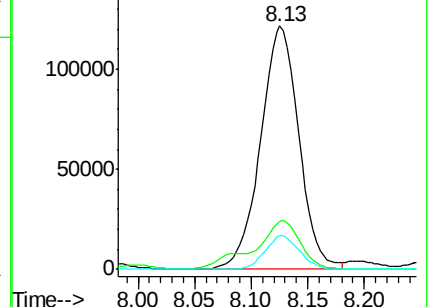
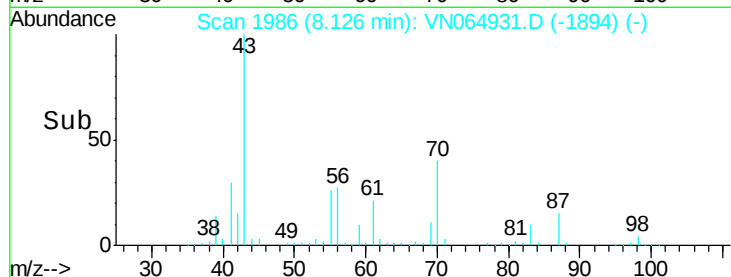
87 12.5 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064931.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064931.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064931.D (-1968) (-)



#44

Trichloroethene

Concen: 43.171 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064931.D

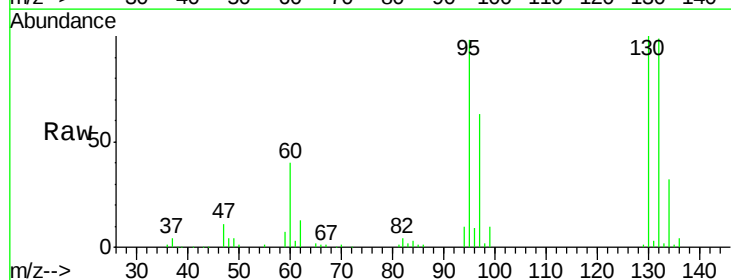
Acq: 4 Dec 2020 20:07

Tgt Ion:130 Resp: 130229

Ion Ratio Lower Upper

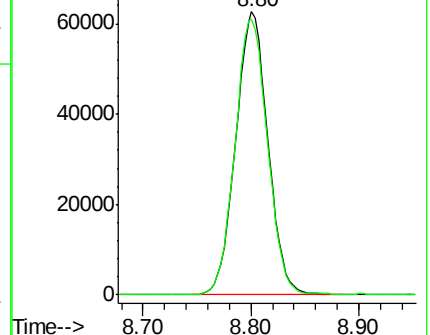
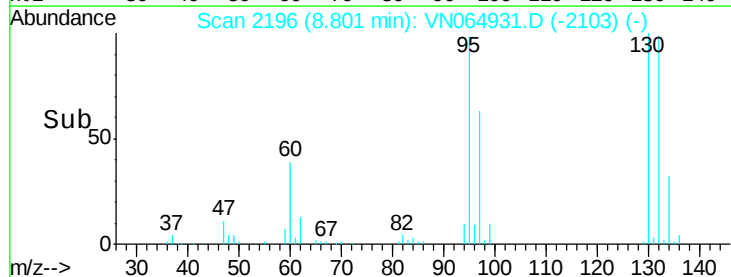
130 100

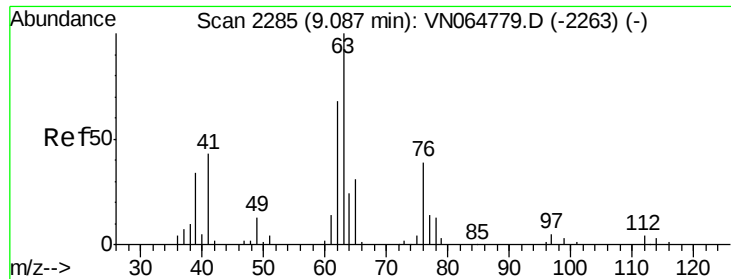
95 97.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064931.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064931.D (-2180) (-)

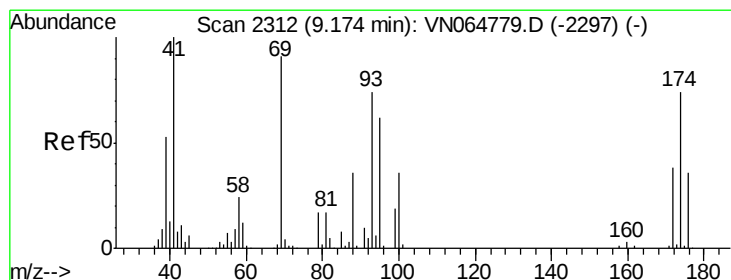
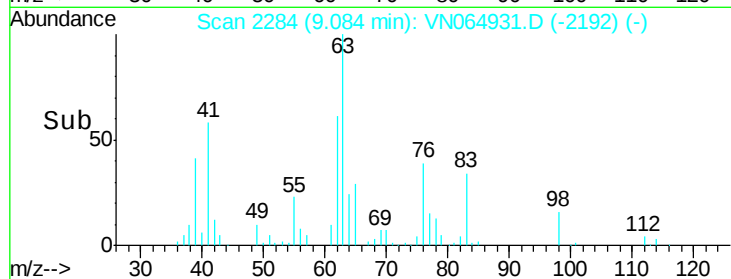
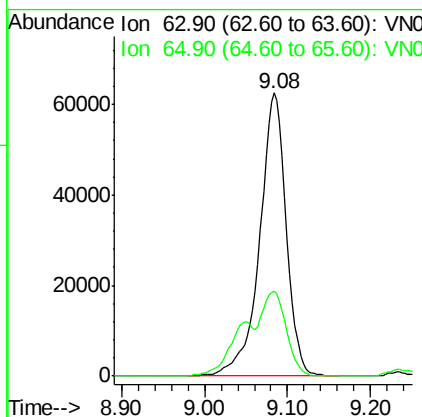
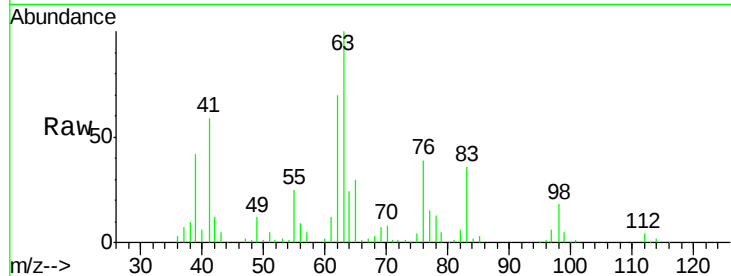




#45
 1,2-Dichloropropane
 Concen: 52.920 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

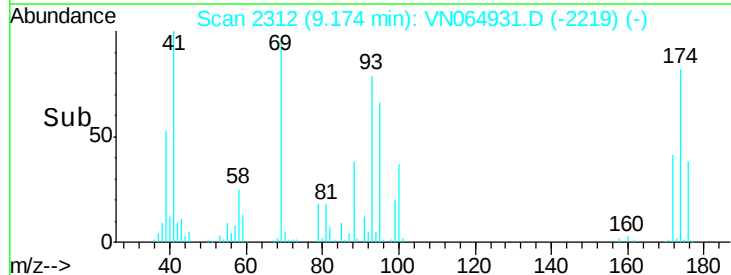
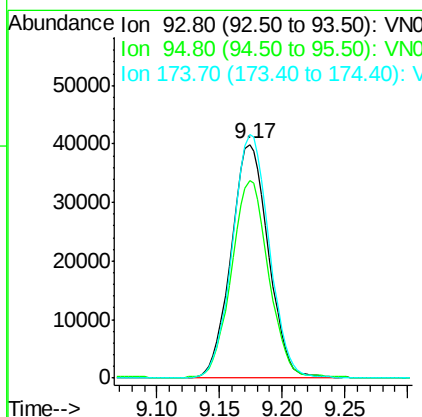
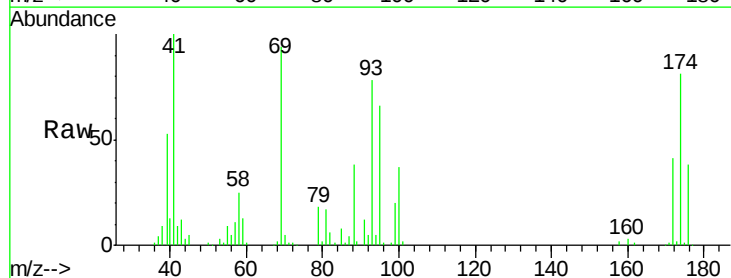
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

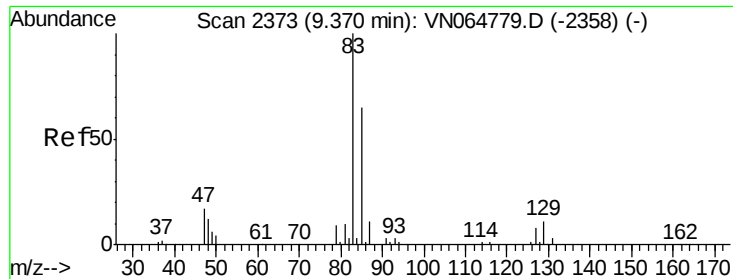
Tot Ion: 63 Resp: 140116
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 46.691 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion: 93 Resp: 82589
 Ion Ratio Lower Upper
 93 100
 95 84.7 68.8 103.2
 174 103.1 83.1 124.7





#47

Bromodichloromethane

Concen: 48.160 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

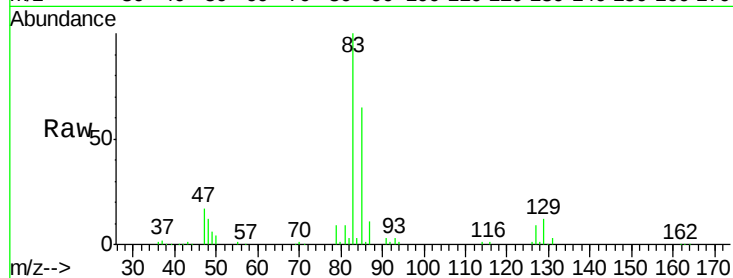
Tot Ion: 83 Resp: 171406

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.8

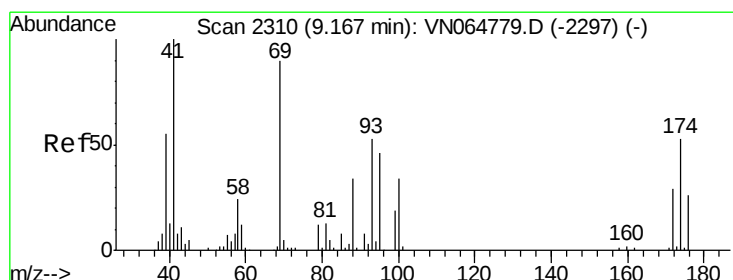
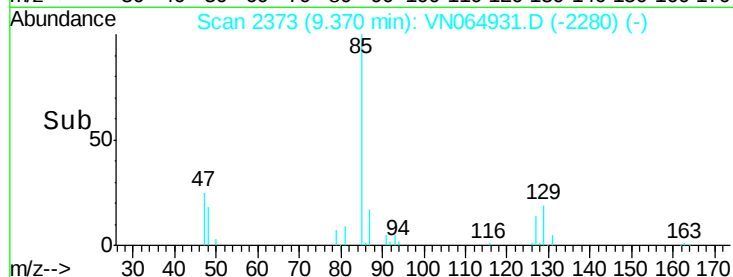
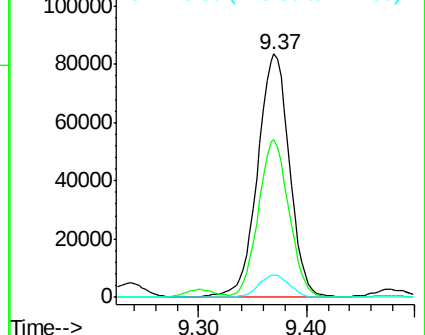
127 9.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064931.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064931.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064931.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.773 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

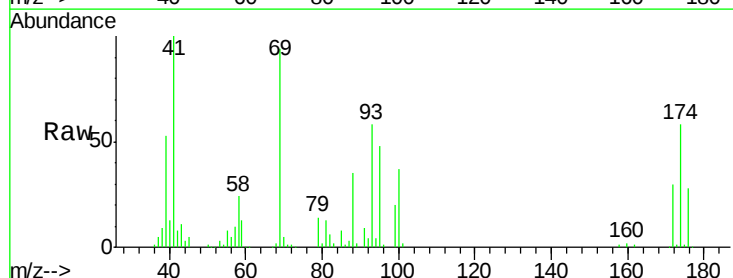
Tgt Ion: 41 Resp: 118053

Ion Ratio Lower Upper

41 100

69 89.7 71.8 107.8

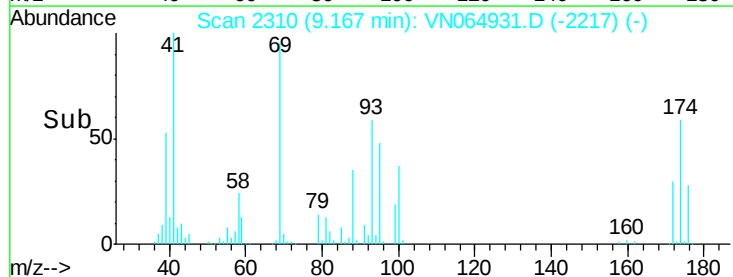
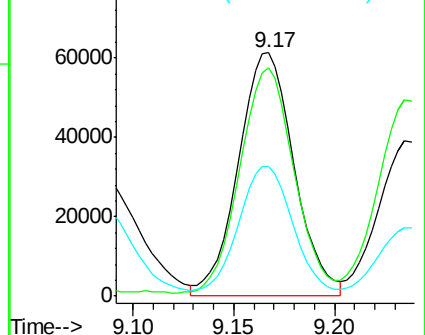
39 53.2 44.1 66.1

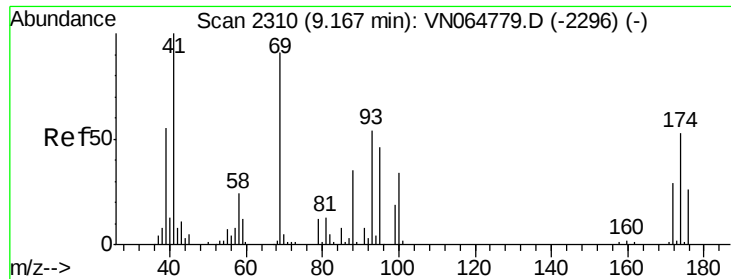


Abundance Ion 41.00 (40.70 to 41.70): VN064931.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064931.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064931.D (-2217) (-)

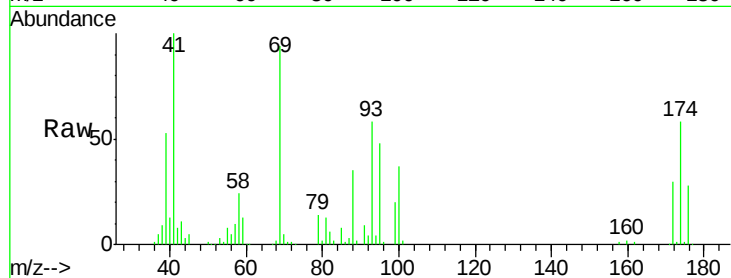




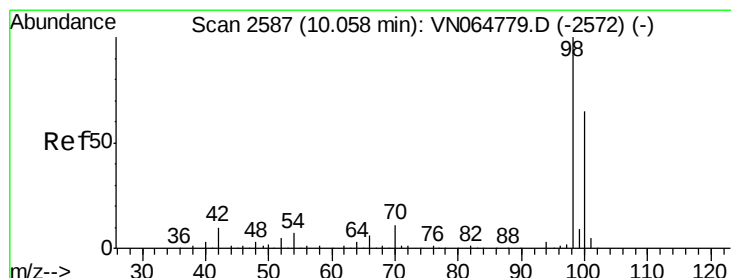
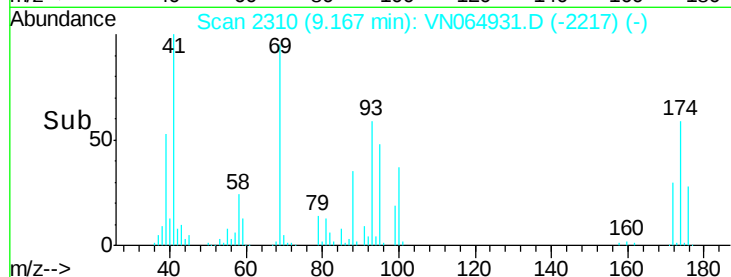
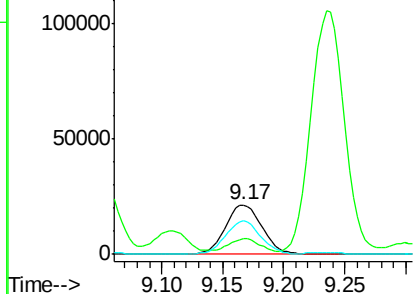
#49
1,4-Dioxane
Concen: 968.783 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

Tot Ion: 88 Resp: 45247
Ion Ratio Lower Upper
88 100
43 28.8 24.2 36.4
58 64.6 52.5 78.7

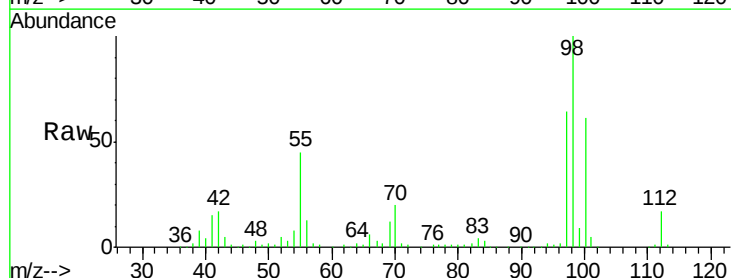


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

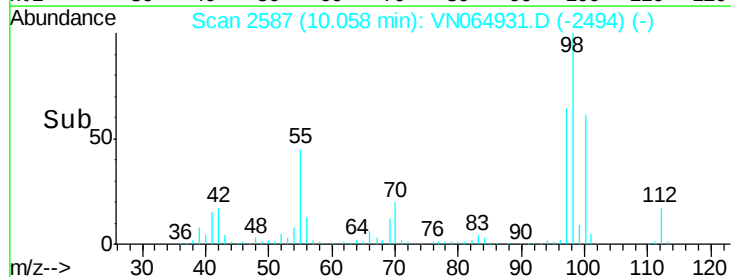
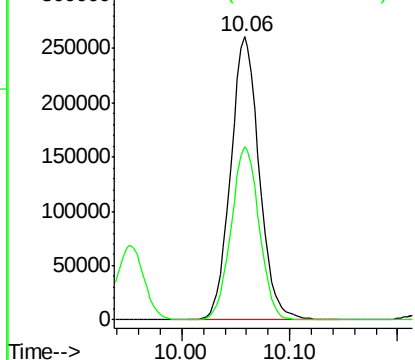


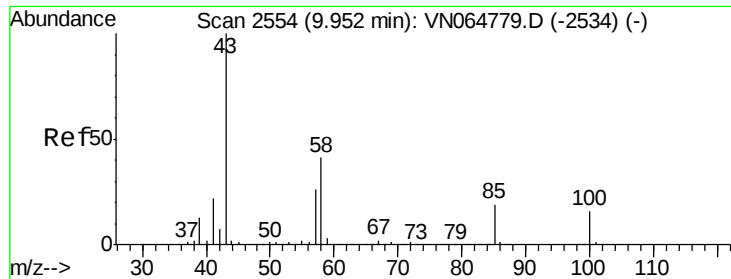
#50
Toluene-d8
Concen: 54.784 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 98 Resp: 482127
Ion Ratio Lower Upper
98 100
100 59.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

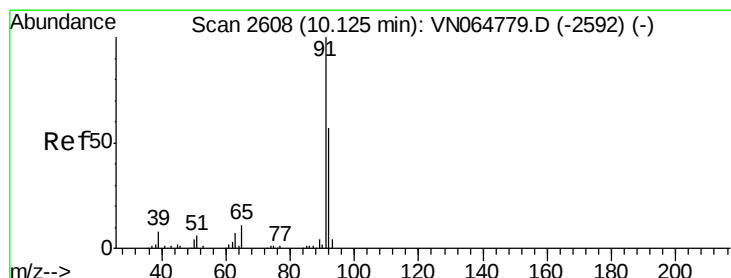
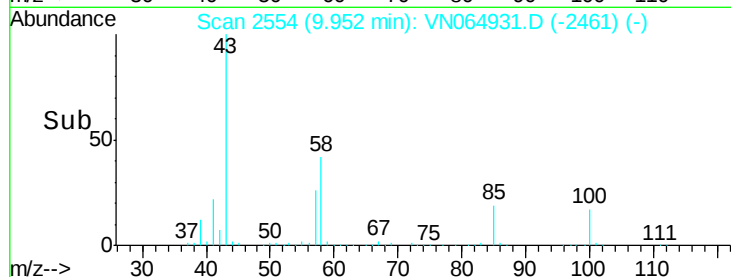
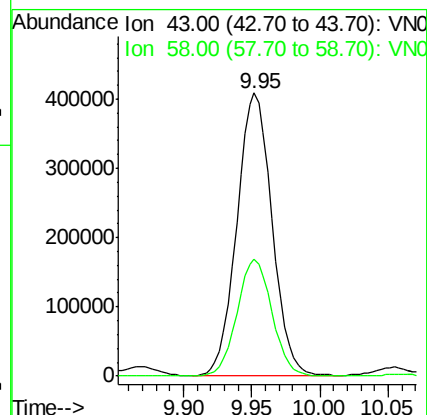
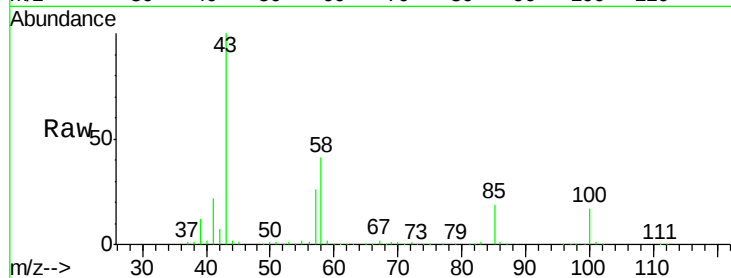




#51
4-Methyl-2-Pentanone
Concen: 234.527 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

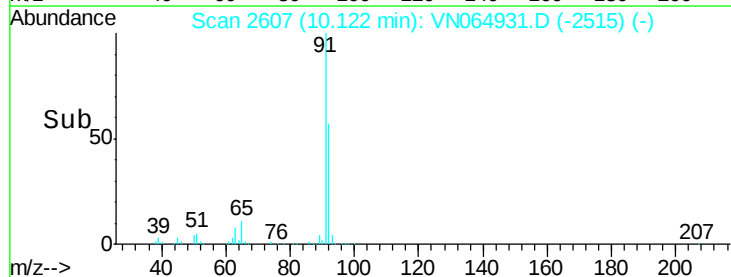
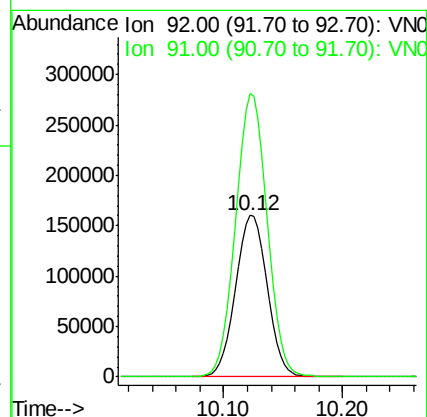
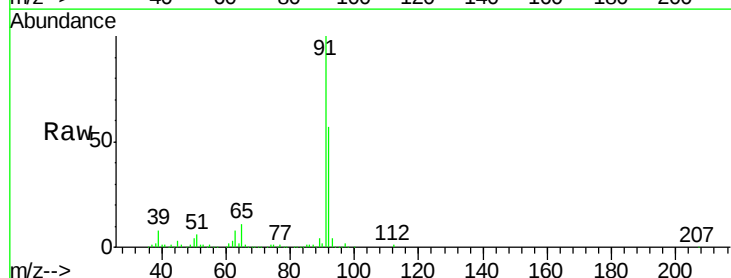
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

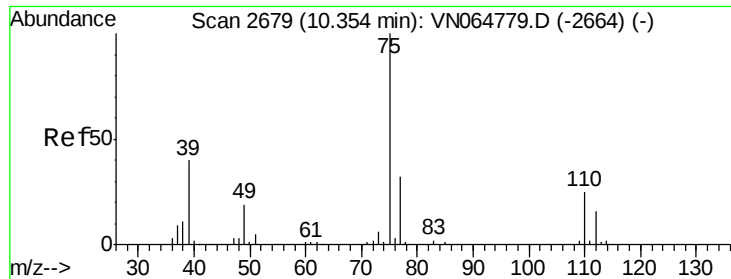
Tot Ion: 43 Resp: 728136
Ion Ratio Lower Upper
43 100
58 41.2 32.4 48.6



#52
Toluene
Concen: 47.109 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 92 Resp: 296615
Ion Ratio Lower Upper
92 100
91 173.4 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 46.595 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

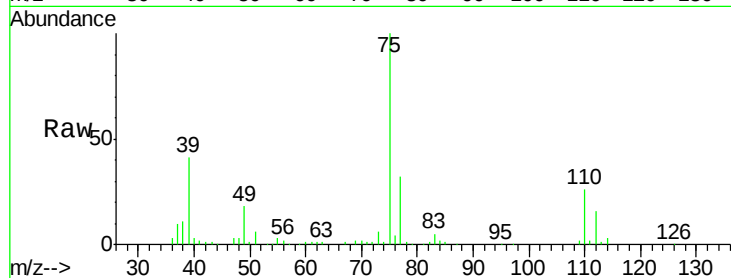
SS013-13-6702-120220MS

Tot Ion: 75 Resp: 184706

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

100000

80000

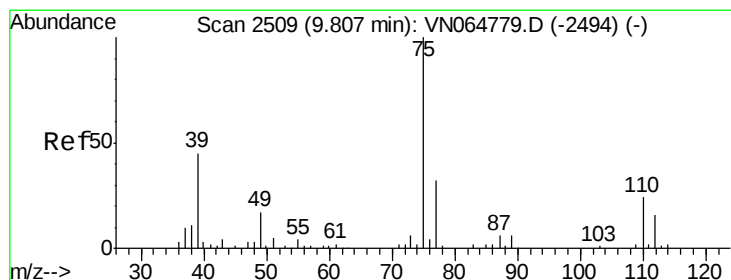
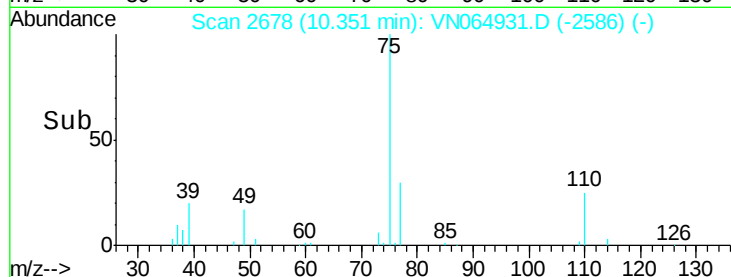
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.143 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

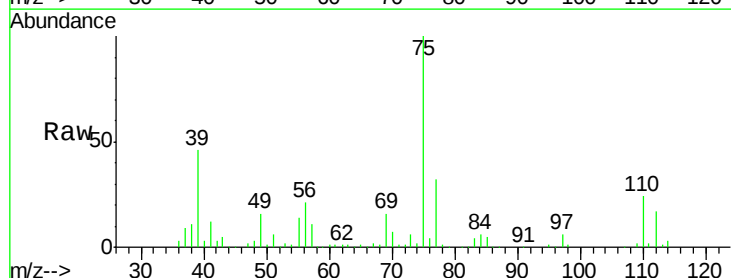
Tgt Ion: 75 Resp: 200310

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 46.2 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

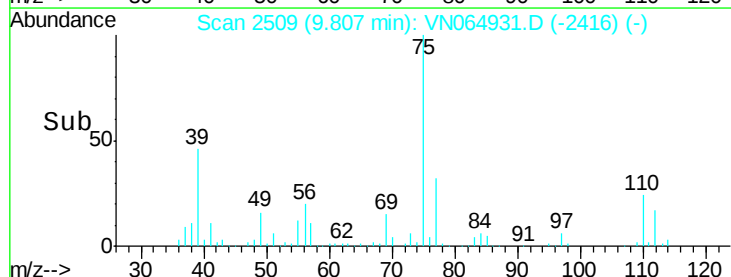
9.81

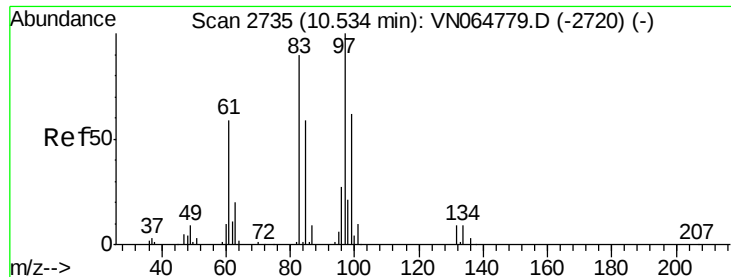
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 44.862 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 97 Resp: 116153

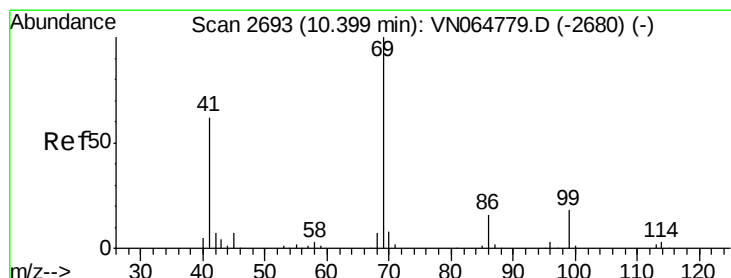
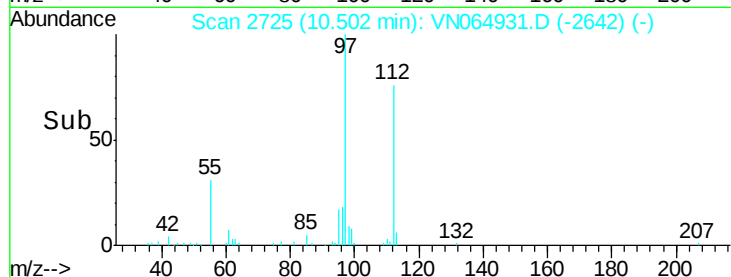
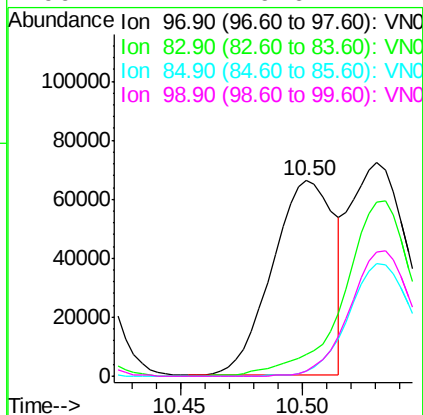
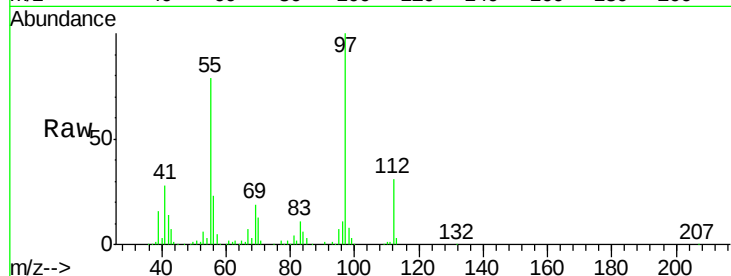
Ion Ratio Lower Upper

97 100

83 10.9 72.1 108.1#

85 2.7 46.8 70.2#

99 2.7 49.6 74.4#



#56

Ethyl methacrylate

Concen: 68.646 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

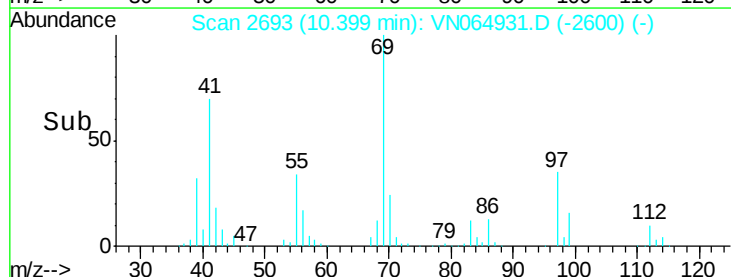
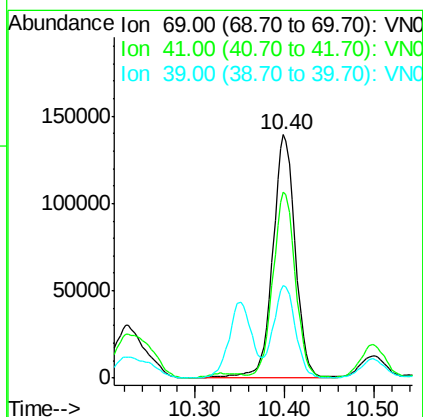
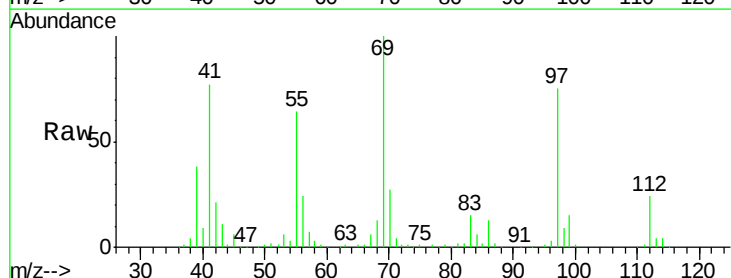
Tgt Ion: 69 Resp: 245263

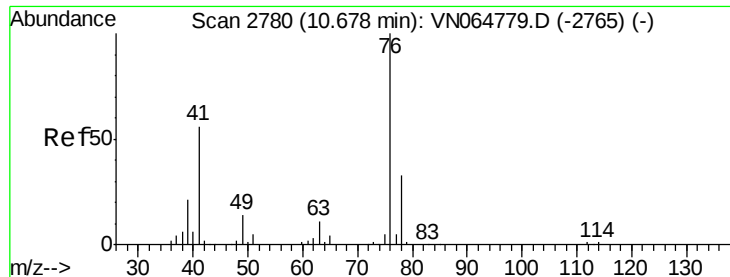
Ion Ratio Lower Upper

69 100

41 75.6 49.4 74.0#

39 37.5 25.9 38.9





#57

1,3-Dichloropropane

Concen: 47.107 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

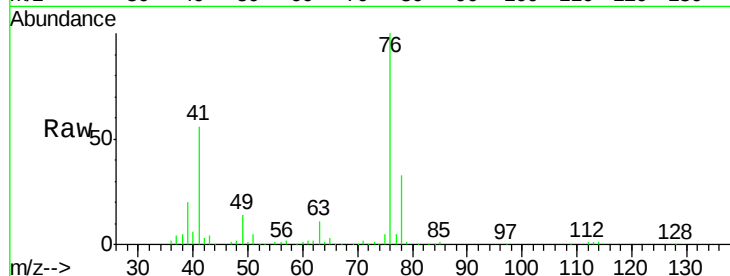
SS013-13-6702-120220MS

Tot Ion: 76 Resp: 201191

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

120000

100000

80000

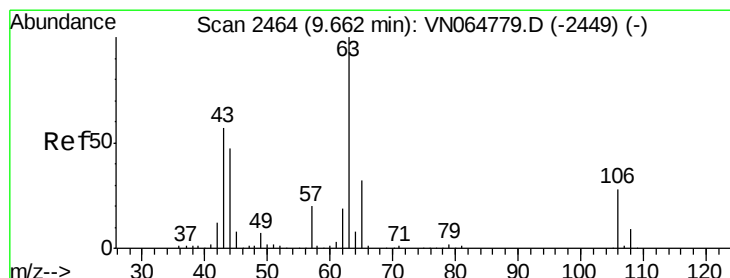
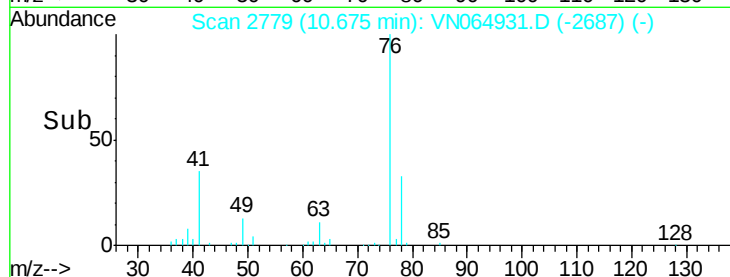
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.751 ug/l

RT: 9.81 min Scan# 2510

Delta R.T. 0.15 min

Lab File: VN064931.D

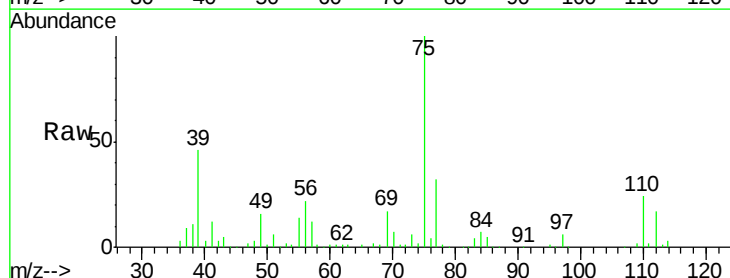
Acq: 4 Dec 2020 20:07

Tgt Ion: 63 Resp: 1476

Ion Ratio Lower Upper

63 100

106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.81

800

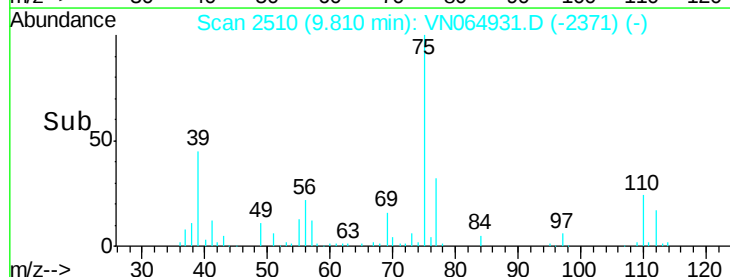
600

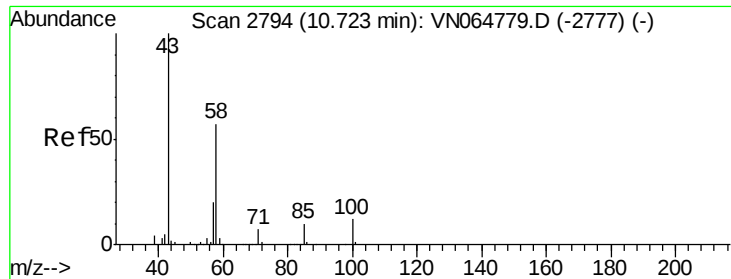
400

200

0

Time-->

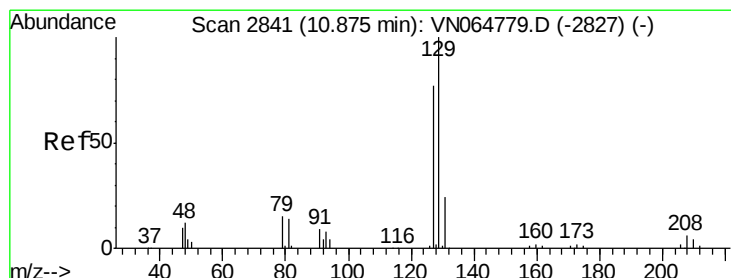
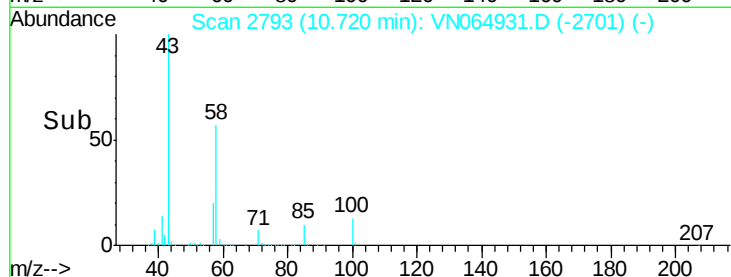
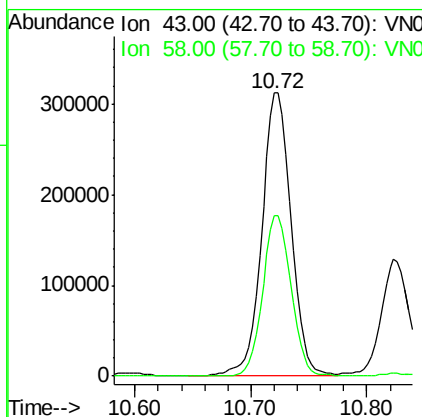
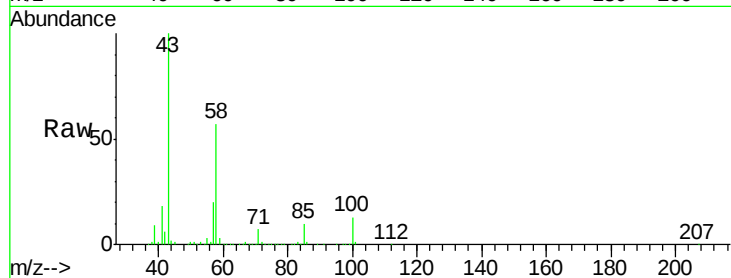




#59
2-Hexanone
Concen: 244.378 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

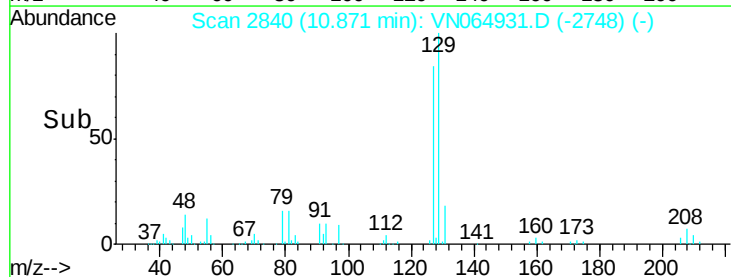
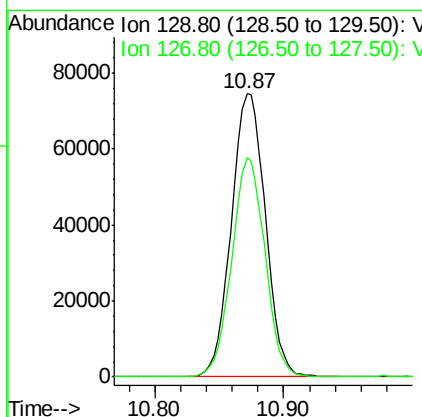
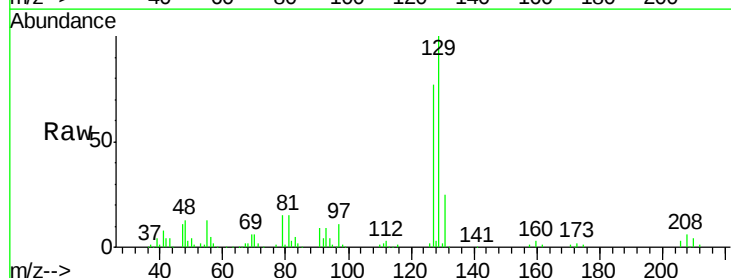
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

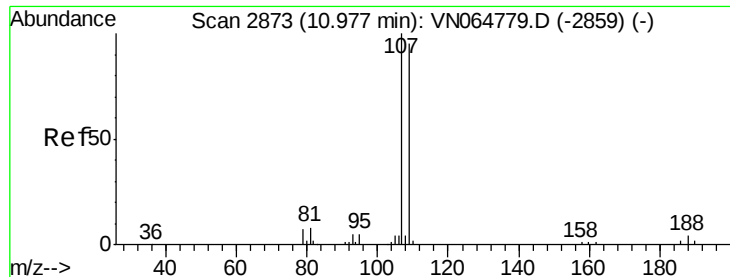
Tot Ion: 43 Resp: 546040
Ion Ratio Lower Upper
43 100
58 55.4 28.3 84.9



#60
Dibromochloromethane
Concen: 47.506 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 129 Resp: 136723
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 46.656 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

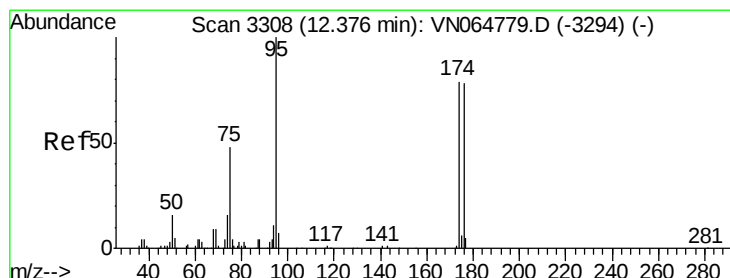
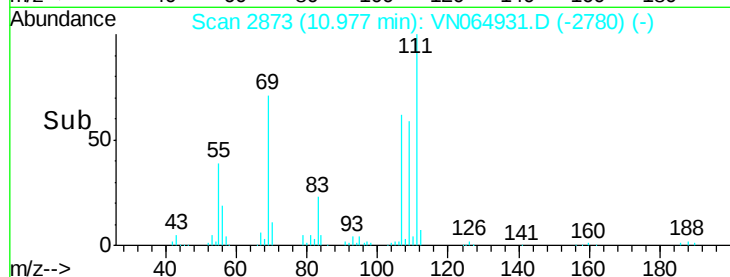
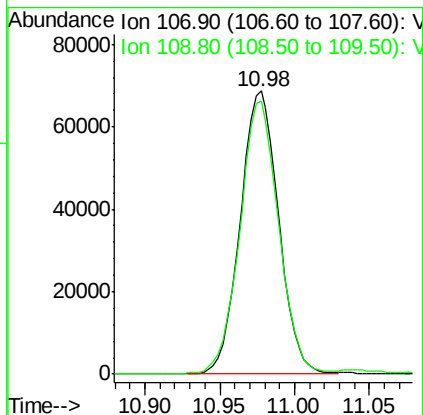
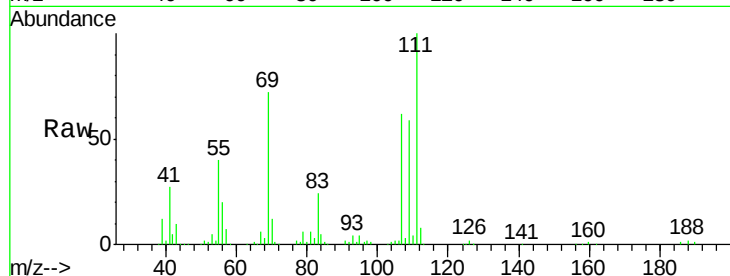
SS013-13-6702-120220MS

Tot Ion:107 Resp: 122727

Ion Ratio Lower Upper

107 100

109 97.7 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 50.701 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

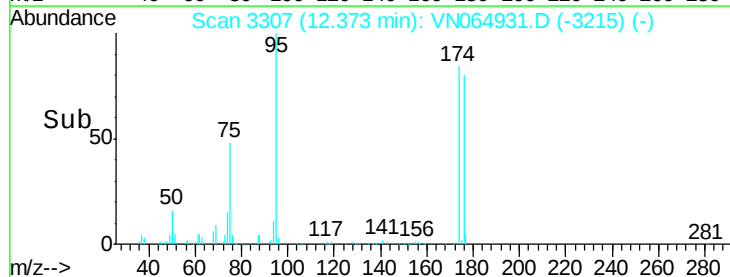
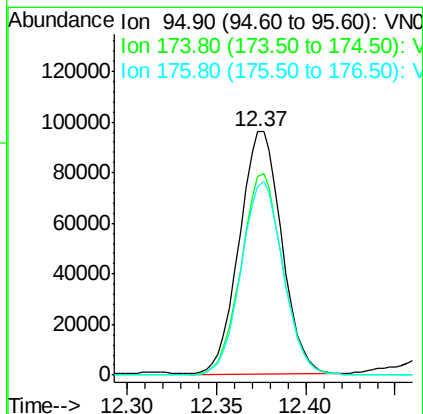
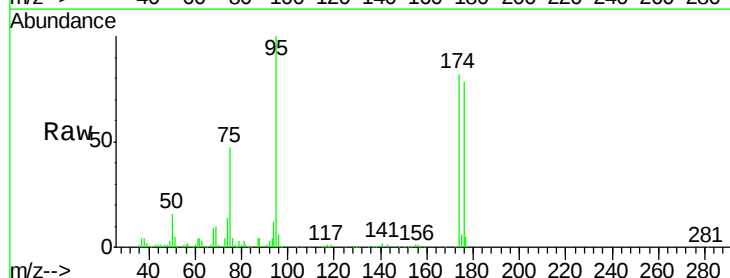
Tgt Ion: 95 Resp: 159685

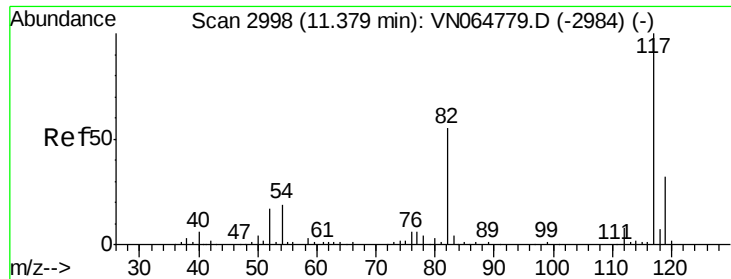
Ion Ratio Lower Upper

95 100

174 81.8 0.0 160.4

176 79.2 0.0 158.4

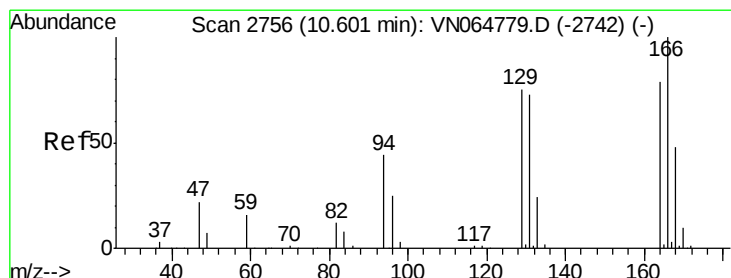
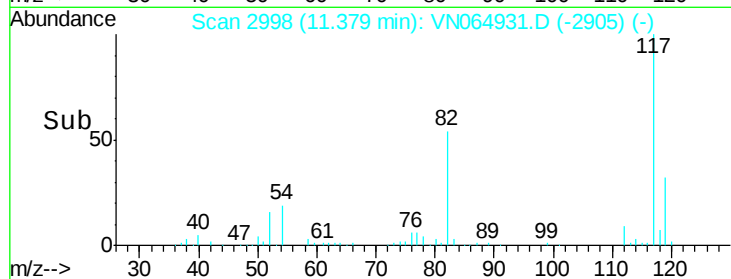
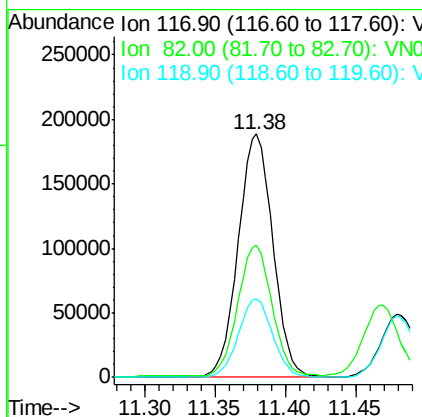
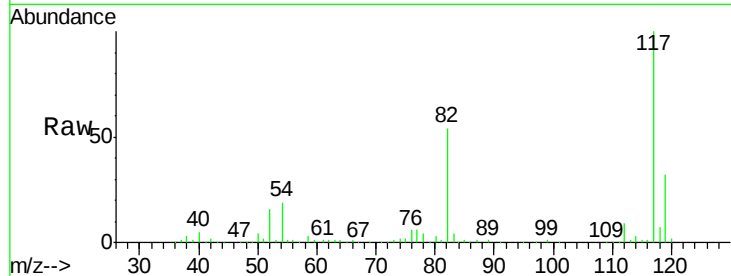




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

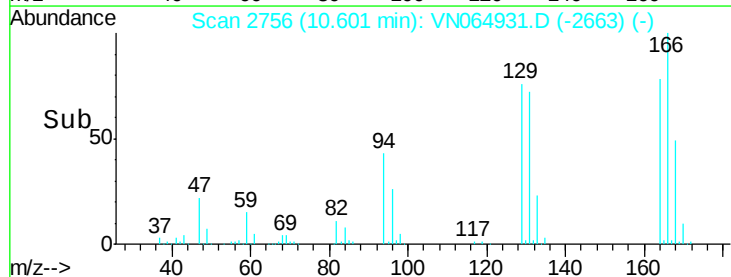
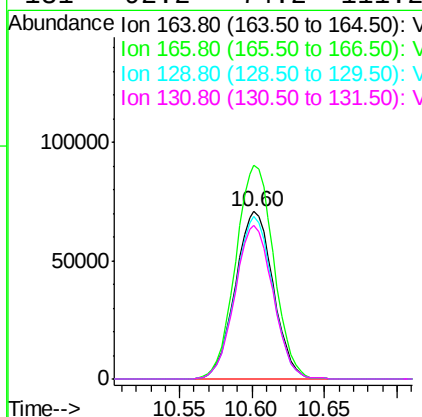
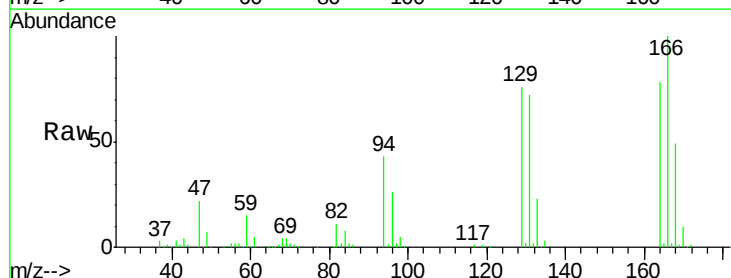
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

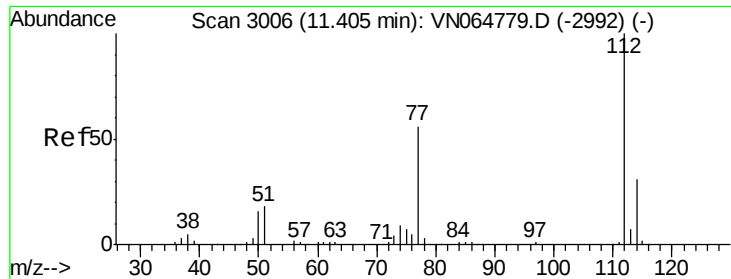
Tot Ion:117 Resp: 325239
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 40.602 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion:164 Resp: 128474
Ion Ratio Lower Upper
164 100
166 127.7 101.4 152.0
129 97.3 76.1 114.1
131 92.2 74.2 111.2

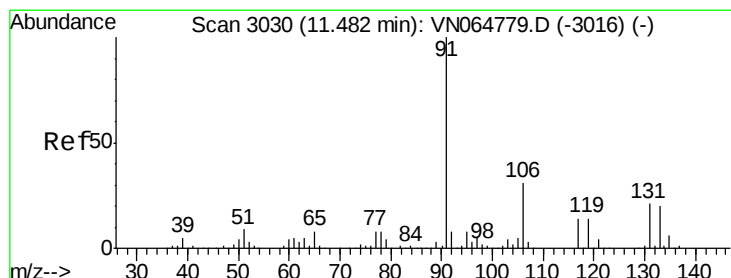
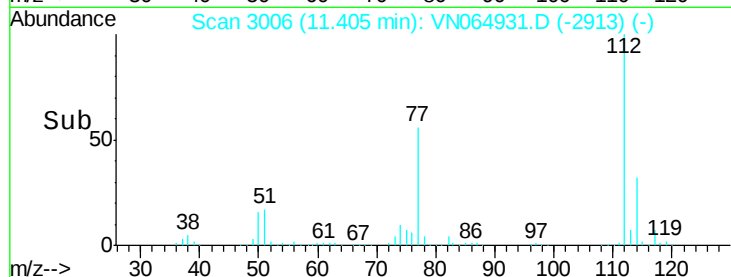
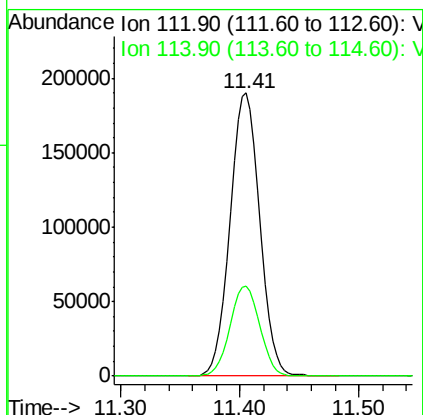
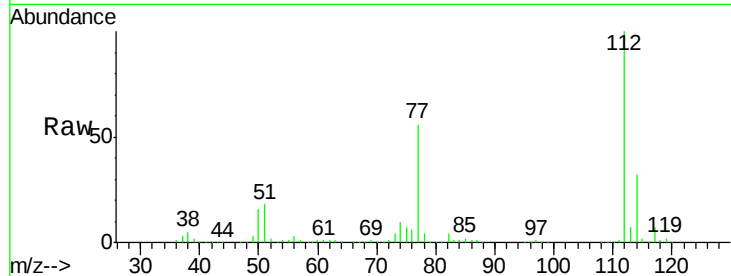




#65
Chlorobenzene
Concen: 47.181 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

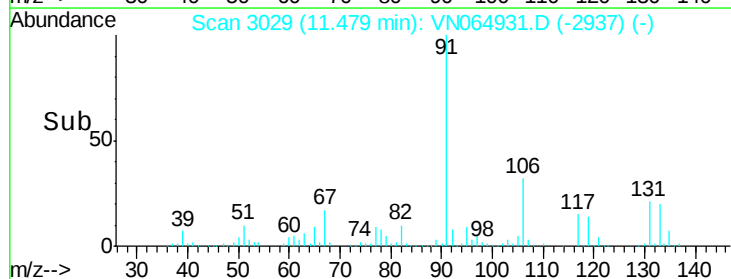
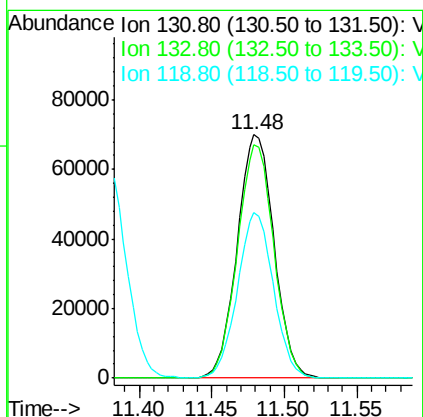
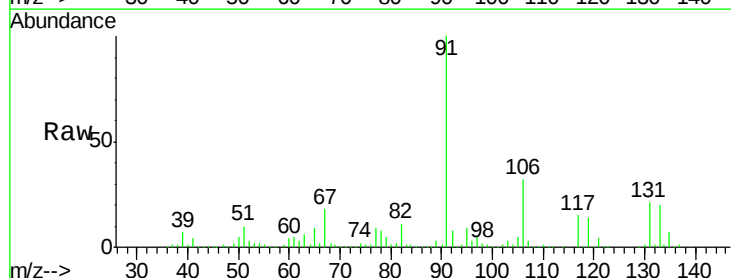
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

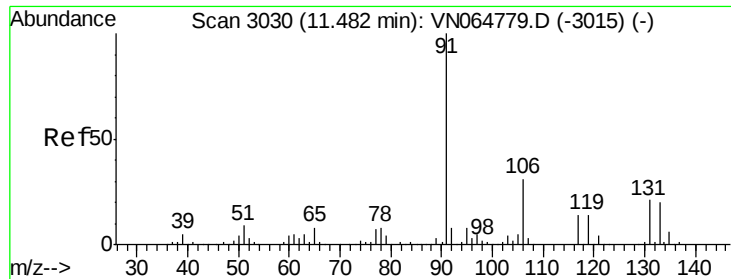
Tot Ion:112 Resp: 329534
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.037 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion:131 Resp: 123302
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 66.6 33.3 99.8

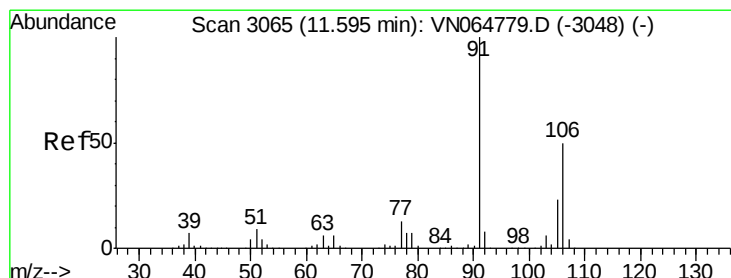
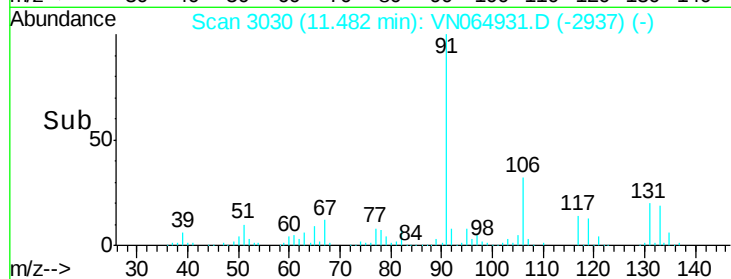
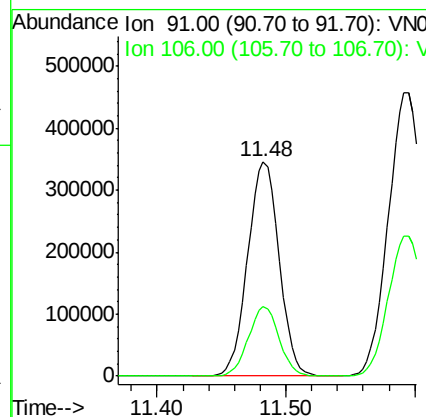
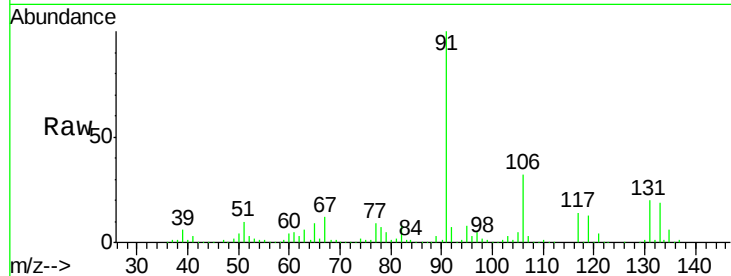




#67
Ethyl Benzene
Concen: 50.325 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

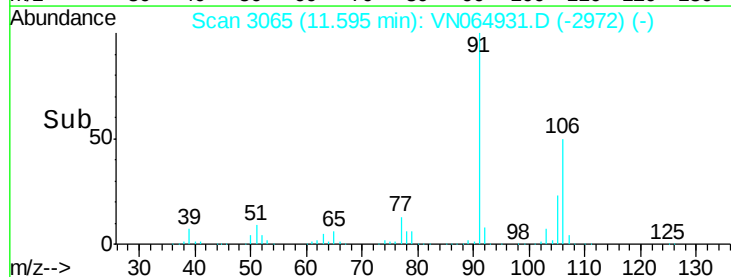
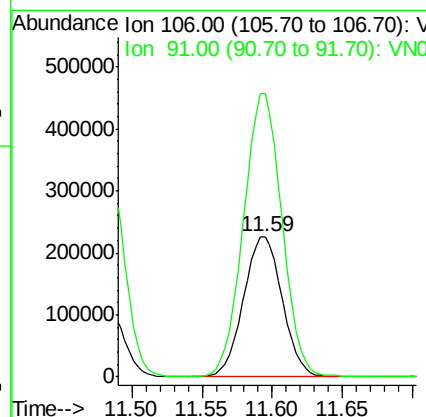
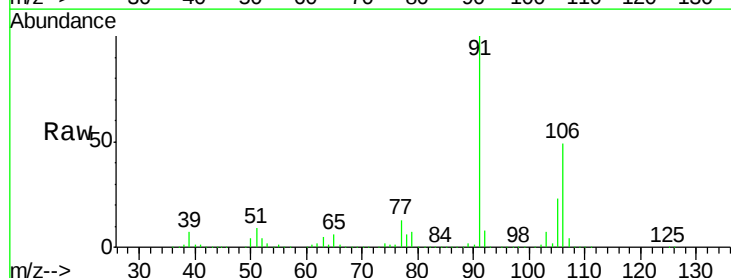
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

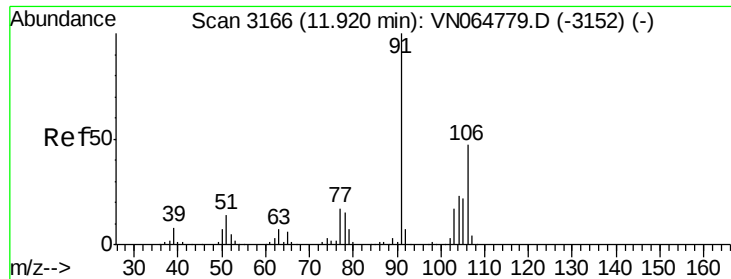
Tot Ion: 91 Resp: 587191
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8



#68
m/p-Xylenes
Concen: 98.320 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 106 Resp: 434334
Ion Ratio Lower Upper
106 100
91 201.3 161.0 241.4

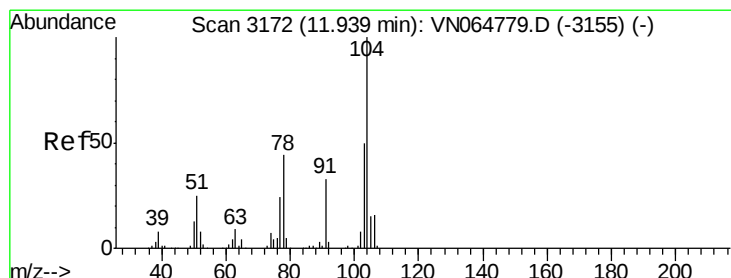
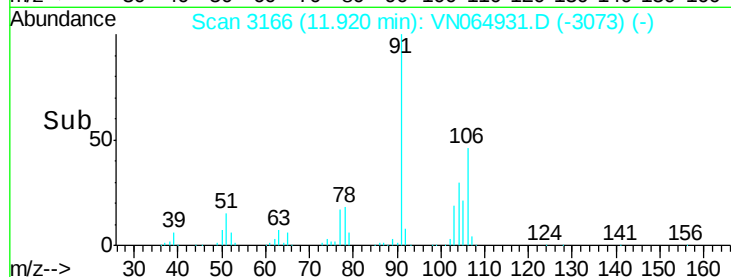
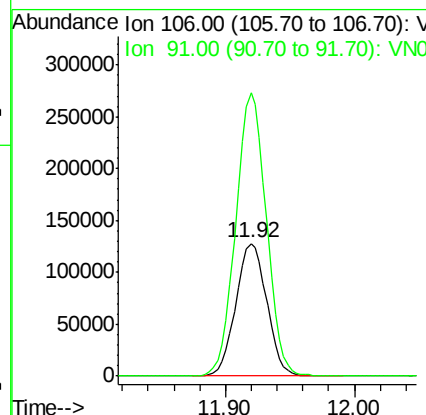
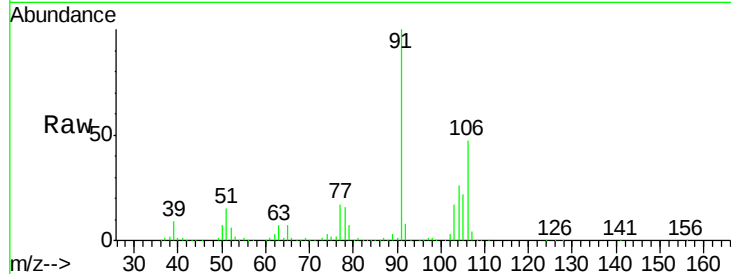




#69
o-Xylene
Concen: 50.987 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

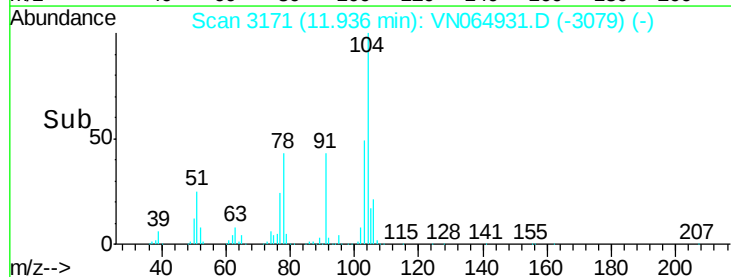
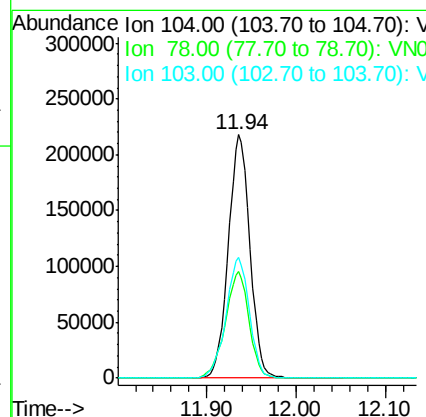
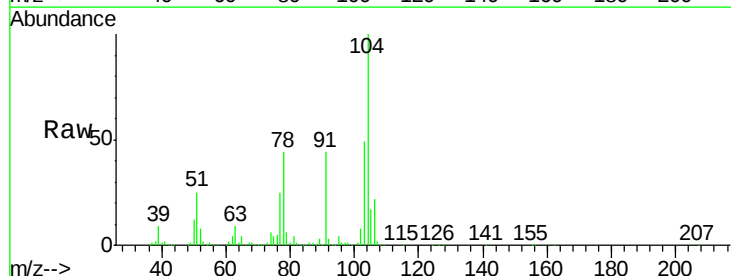
Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MS

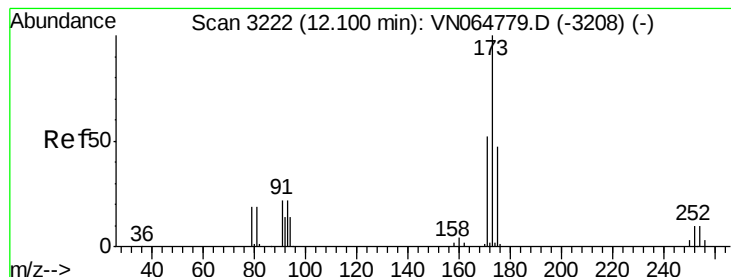
Tot Ion:106 Resp: 213739
Ion Ratio Lower Upper
106 100
91 209.4 105.5 316.5



#70
Styrene
Concen: 51.687 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion:104 Resp: 365785
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 53.4 44.3 66.5





#71

Bromoform

Concen: 45.823 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

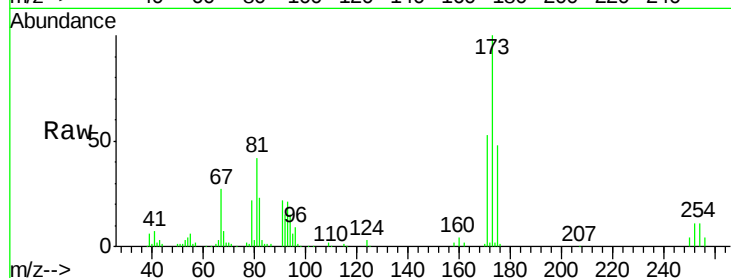
Tot Ion:173 Resp: 93942

Ion Ratio Lower Upper

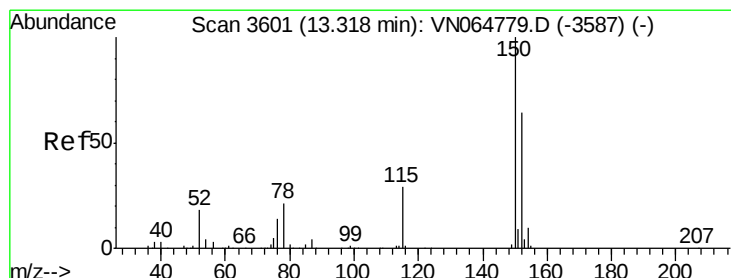
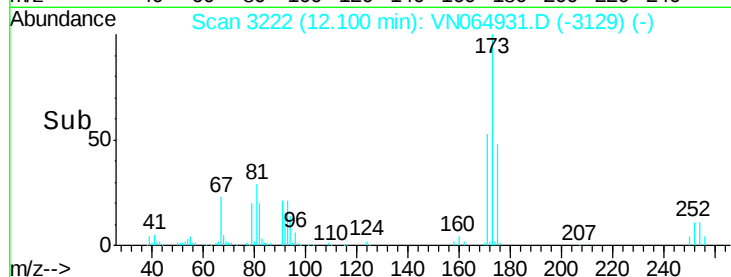
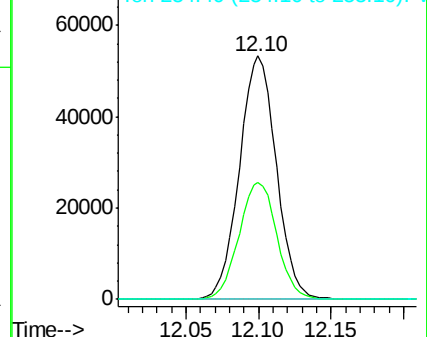
173 100

175 49.3 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

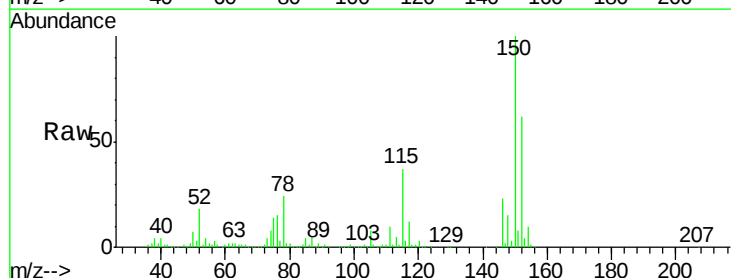
Tgt Ion:152 Resp: 157732

Ion Ratio Lower Upper

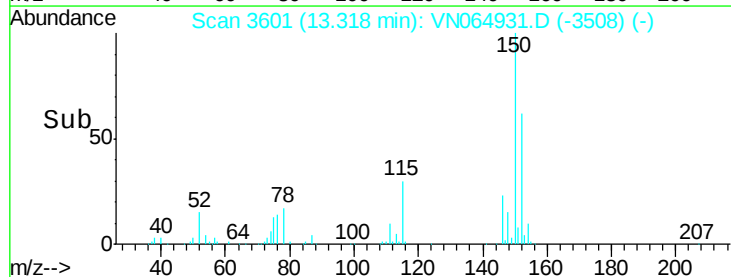
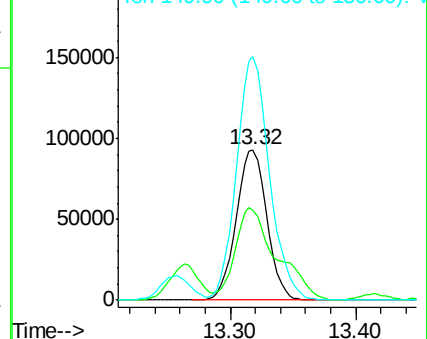
152 100

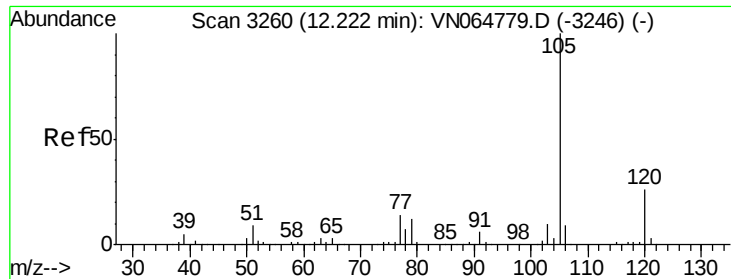
115 82.5 29.7 89.1

150 173.2 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 85.742 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

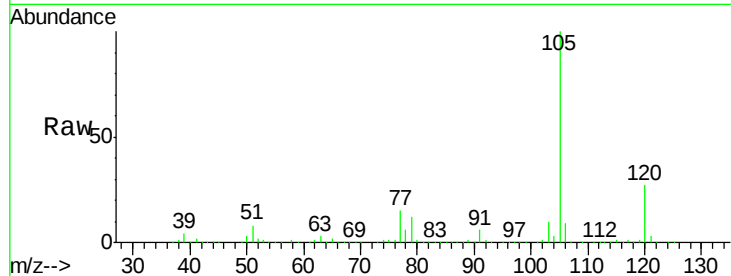
SS013-13-6702-120220MS

Tot Ion:105 Resp: 940703

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

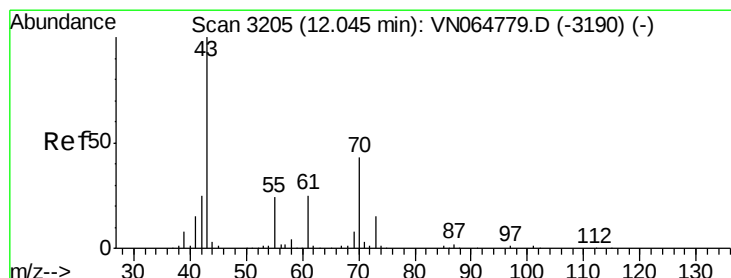
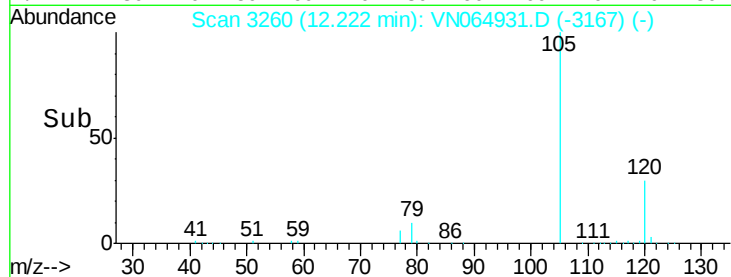
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.334 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion: 43 Resp: 217326

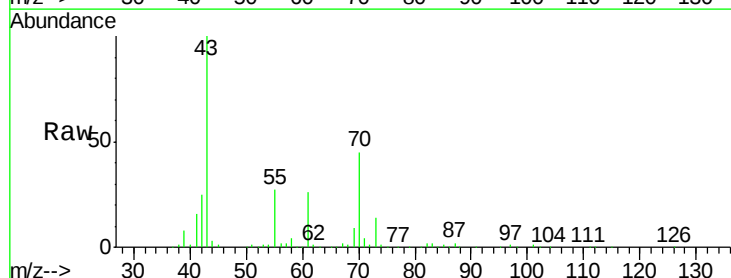
Ion Ratio Lower Upper

43 100

70 44.9 34.5 51.7

55 27.7 20.4 30.6

61 26.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

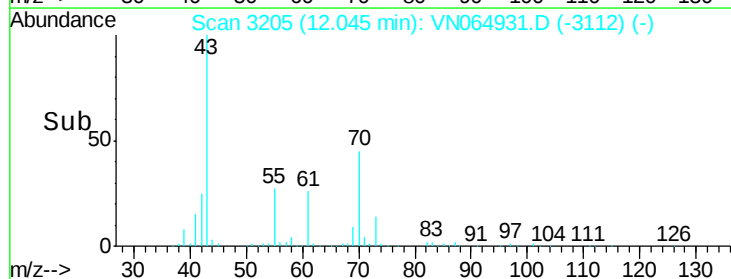
150000

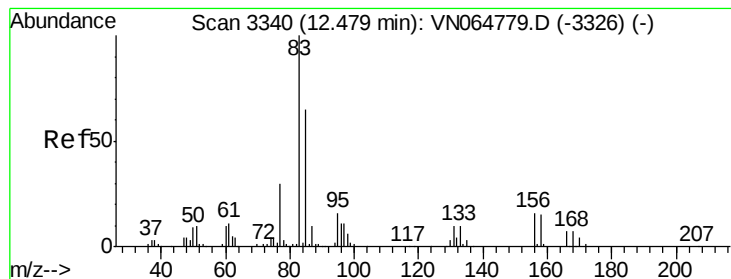
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.372 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

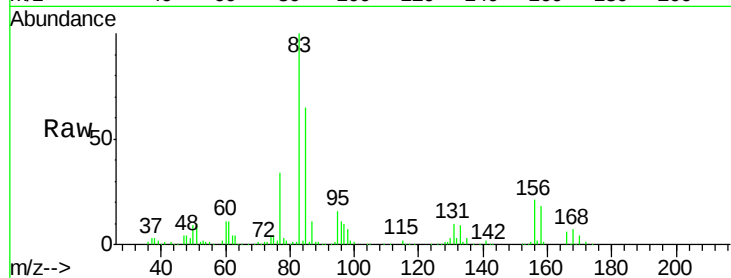
Tot Ion: 83 Resp: 161985

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

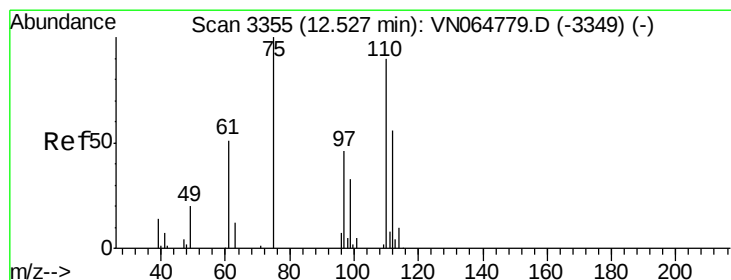
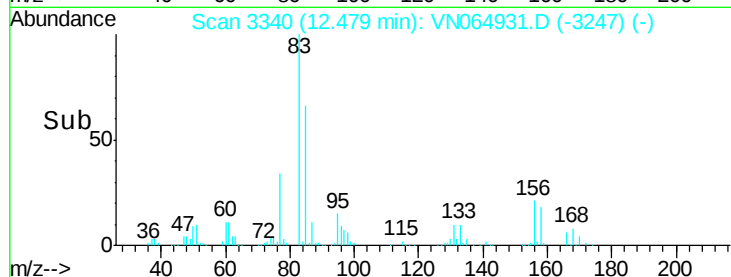
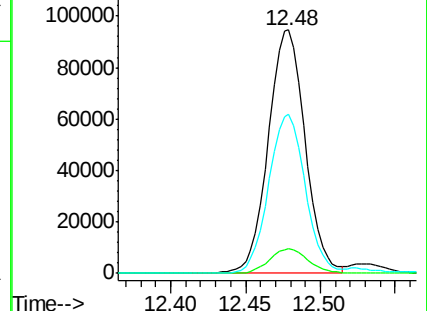
85 64.7 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN064931.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064931.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064931.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 64.252 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064931.D

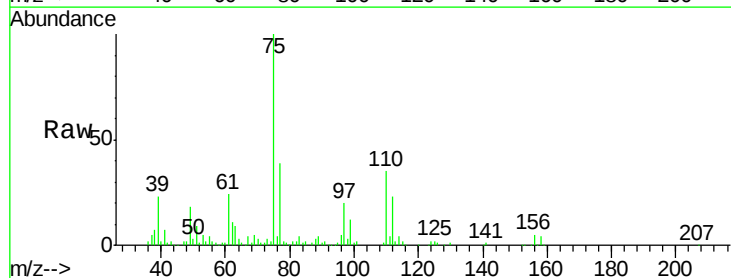
Acq: 4 Dec 2020 20:07

Tgt Ion: 75 Resp: 218256

Ion Ratio Lower Upper

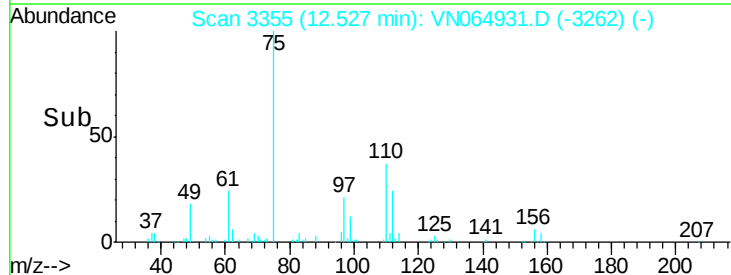
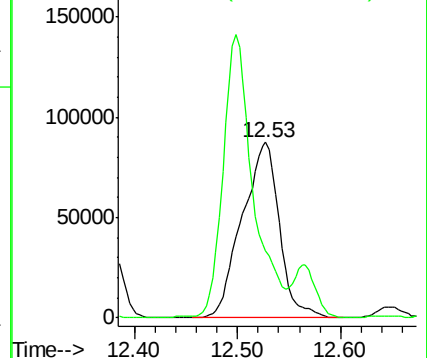
75 100

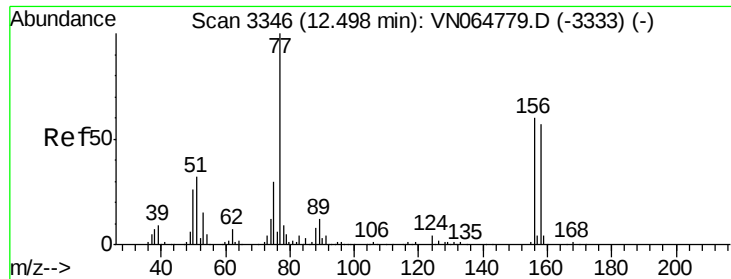
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064931.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064931.D (-3262) (-)





#77

Bromobenzene

Concen: 49.011 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

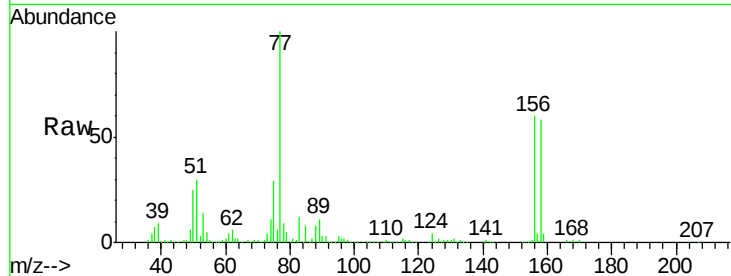
Tot Ion:156 Resp: 144967

Ion Ratio Lower Upper

156 100

77 194.7 101.3 303.7

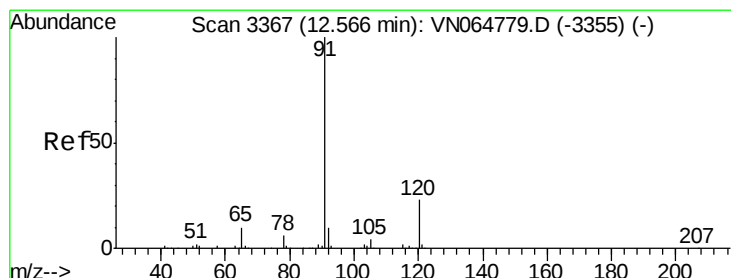
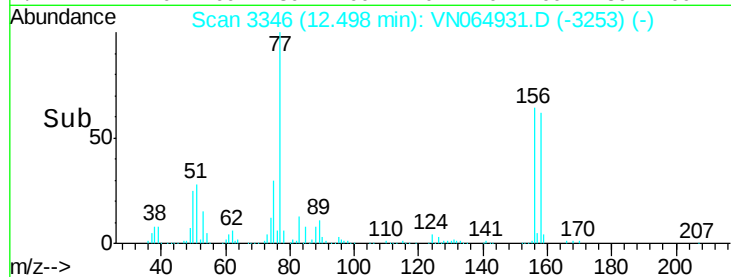
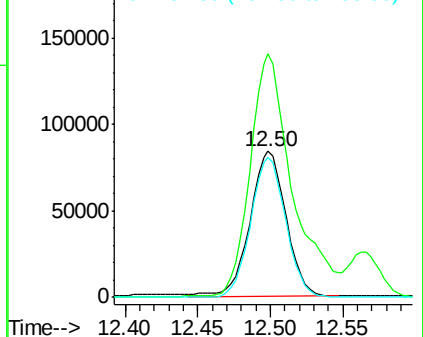
158 94.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 88.083 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064931.D

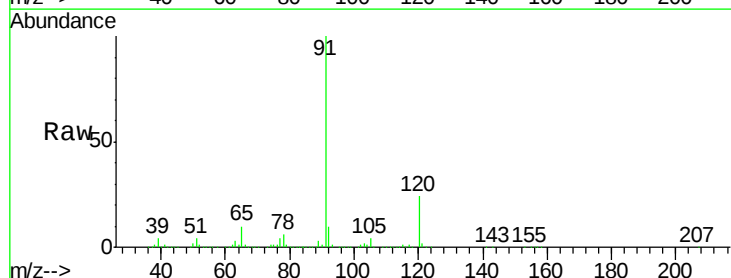
Acq: 4 Dec 2020 20:07

Tgt Ion: 91 Resp: 1100907

Ion Ratio Lower Upper

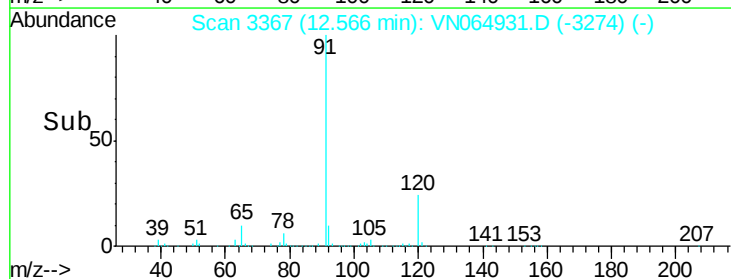
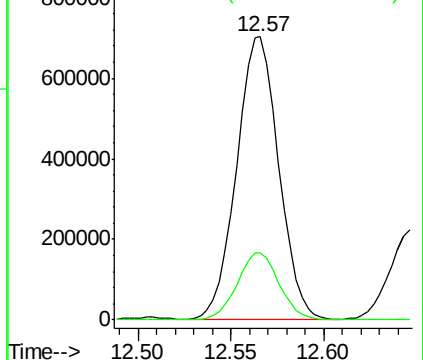
91 100

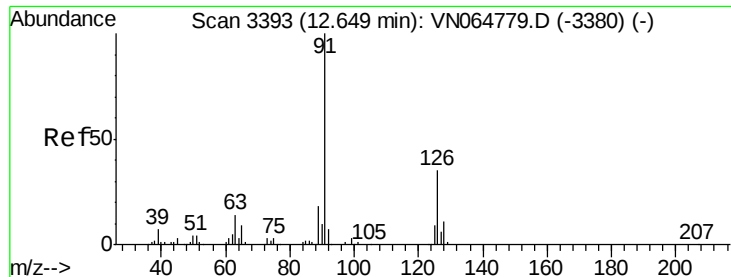
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.338 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

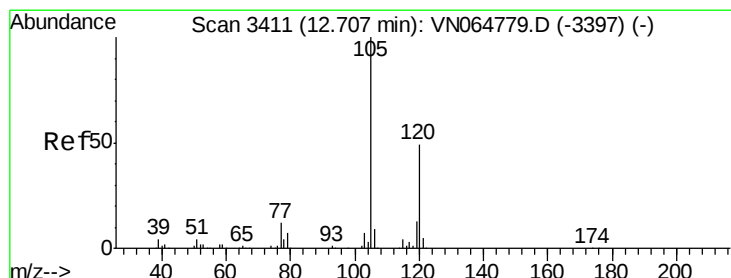
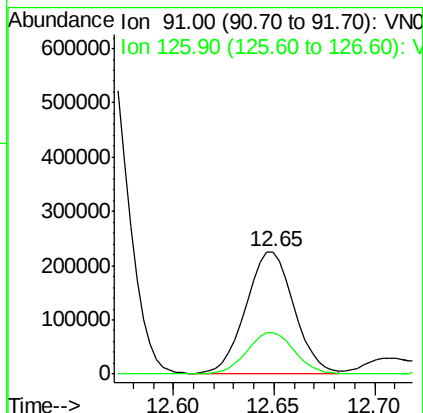
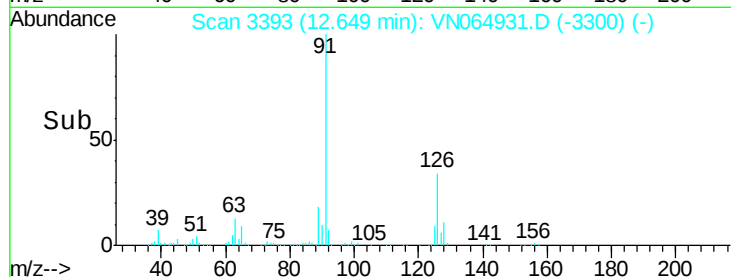
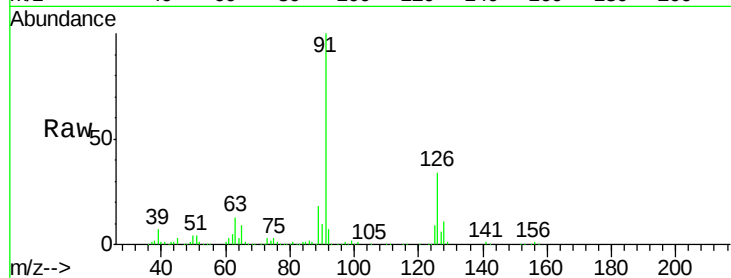
SS013-13-6702-120220MS

Tot Ion: 91 Resp: 373458

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 50.947 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064931.D

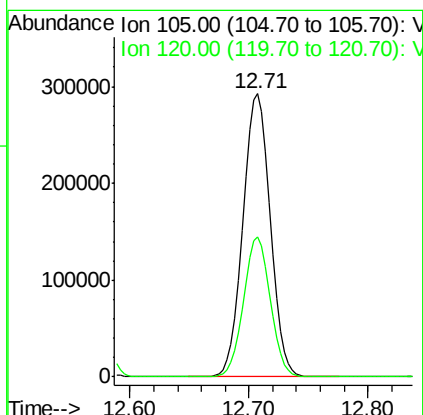
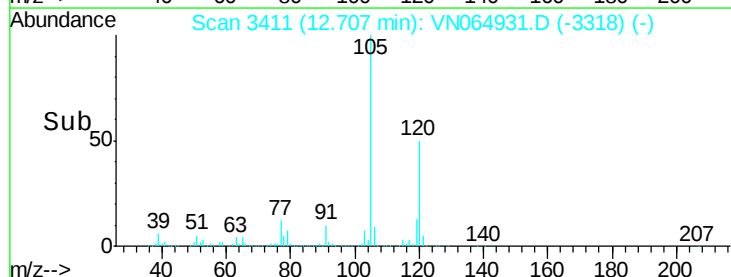
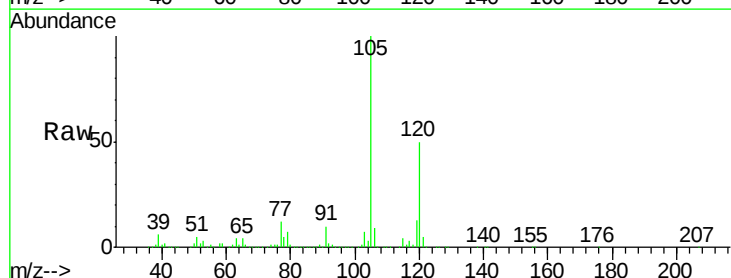
Acq: 4 Dec 2020 20:07

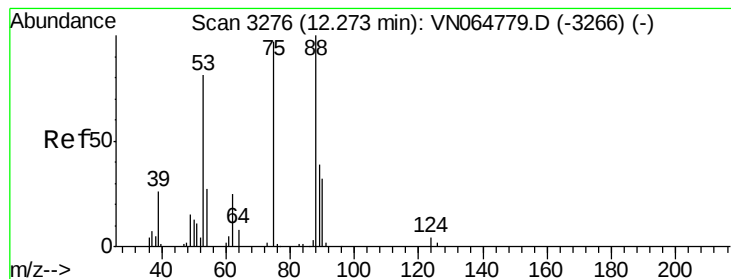
Tgt Ion: 105 Resp: 464602

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 44.558 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

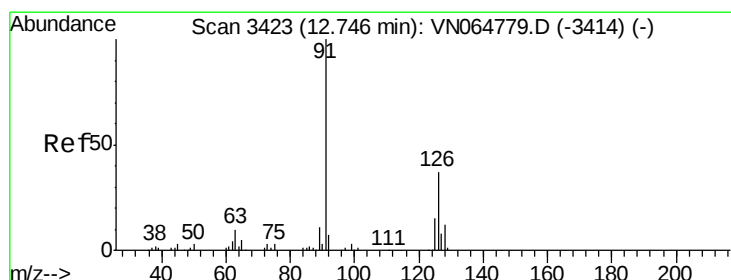
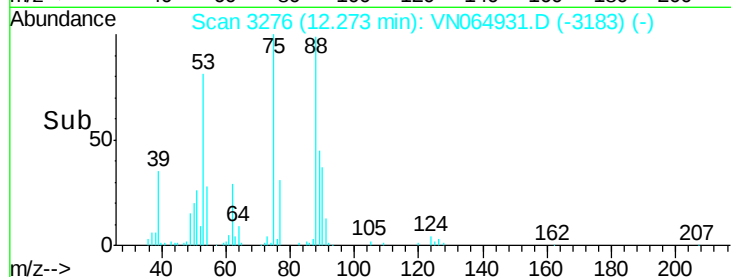
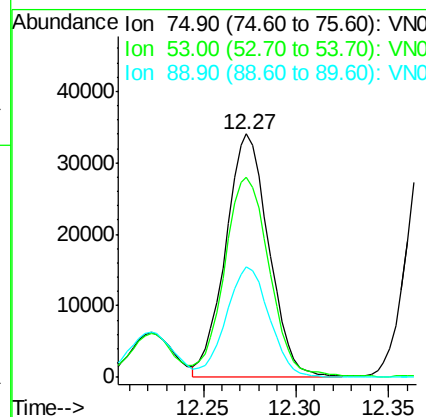
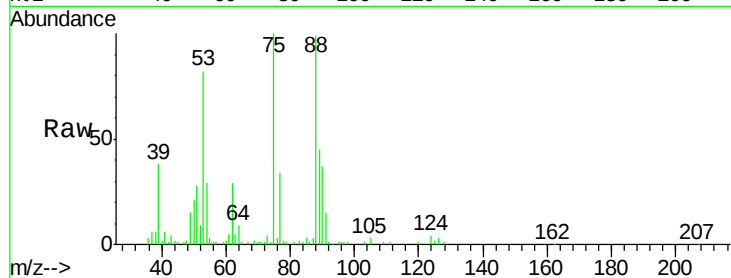
Tot Ion: 75 Resp: 55225

Ion Ratio Lower Upper

75 100

53 85.9 67.0 100.4

89 45.5 39.6 59.4



#82

4-Chlorotoluene

Concen: 47.628 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064931.D

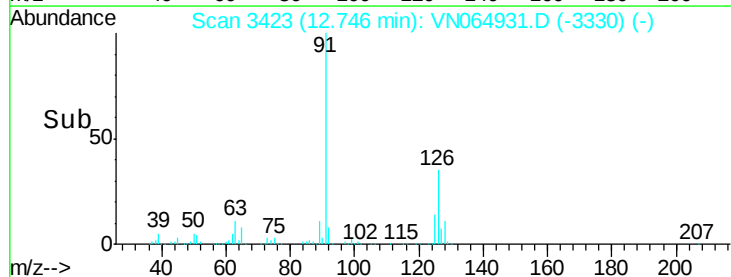
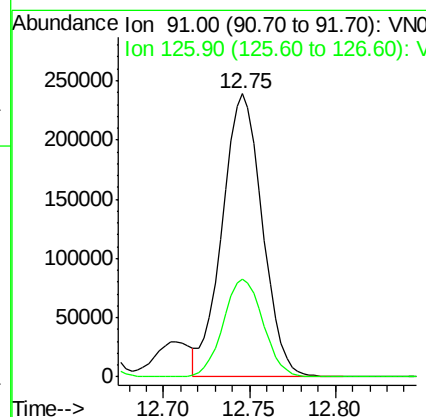
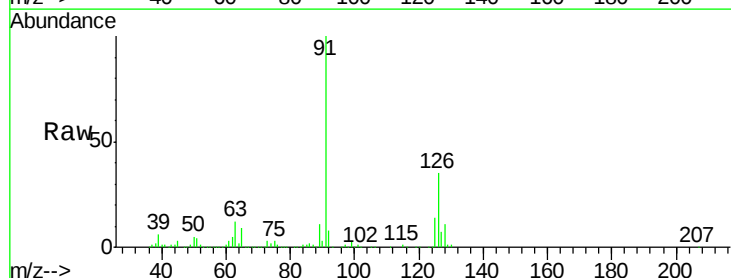
Acq: 4 Dec 2020 20:07

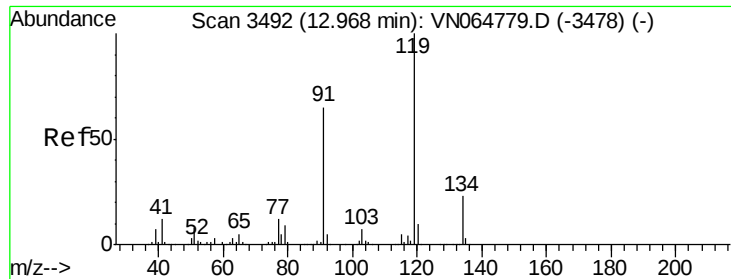
Tgt Ion: 91 Resp: 385700

Ion Ratio Lower Upper

91 100

126 34.5 16.9 50.7

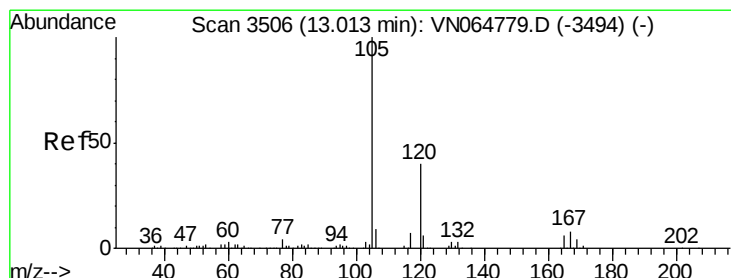
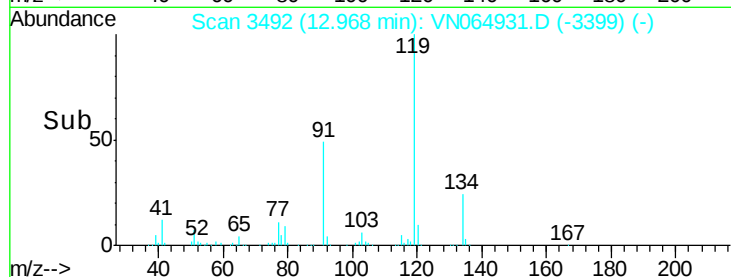
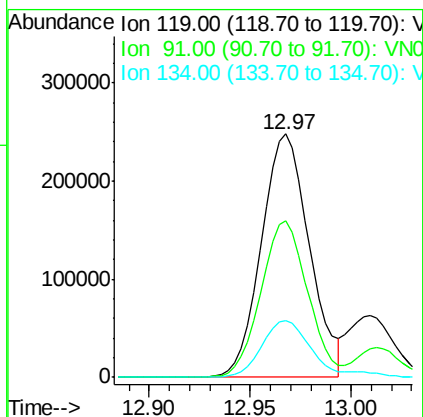
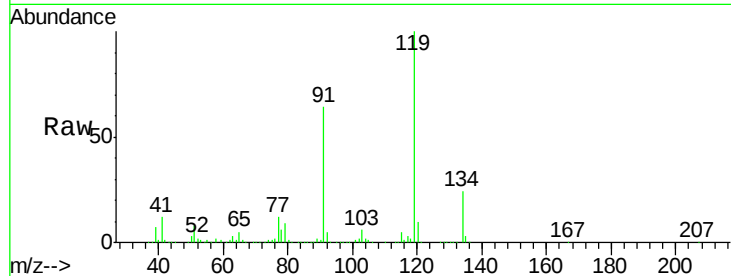




#83
 tert-Butylbenzene
 Concen: 53.810 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

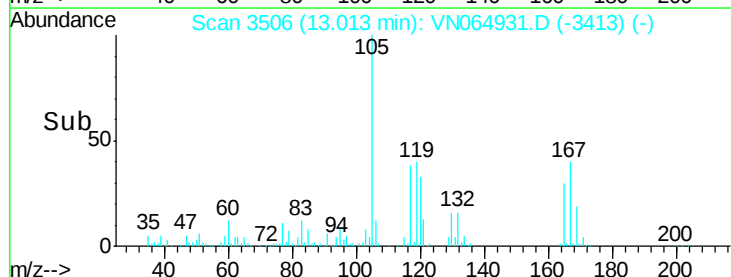
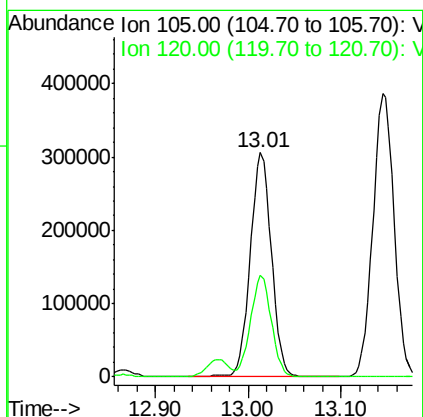
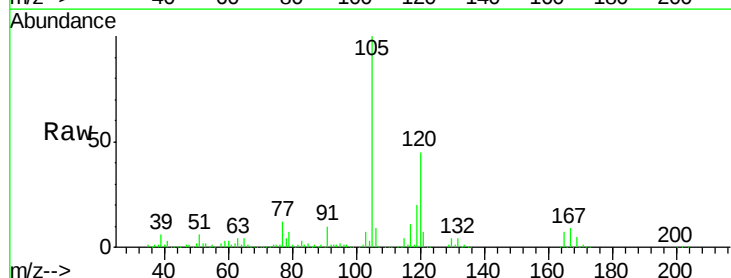
Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

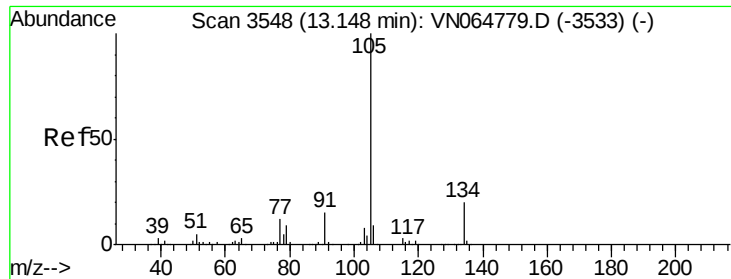
Tot Ion:119 Resp: 411315
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.3 96.8
 134 23.3 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.656 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion:105 Resp: 485507
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 60.098 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

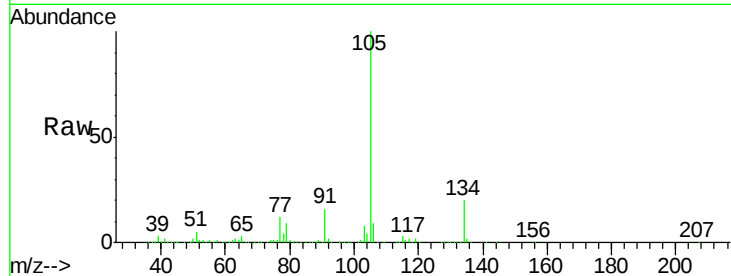
SS013-13-6702-120220MS

Tot Ion:105 Resp: 609926

Ion Ratio Lower Upper

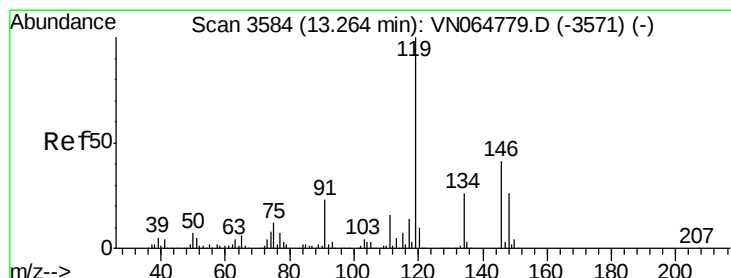
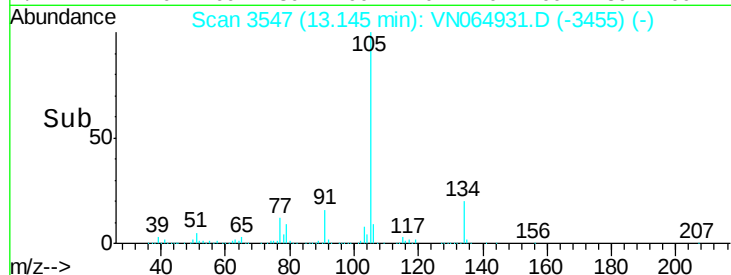
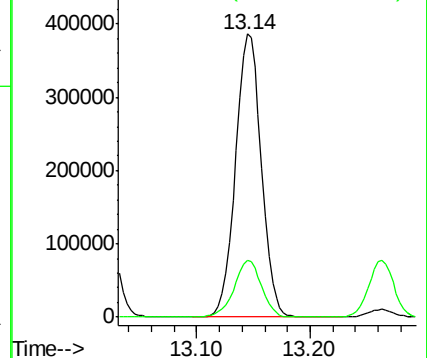
105 100

134 21.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.612 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

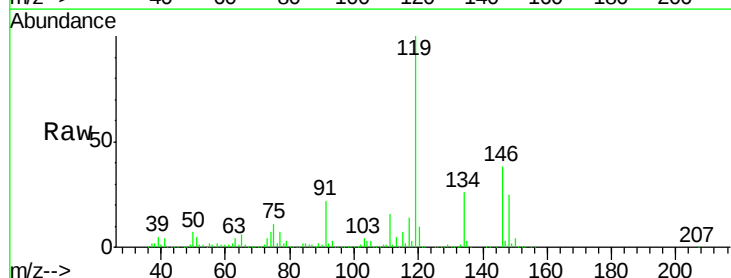
Tgt Ion:119 Resp: 467646

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

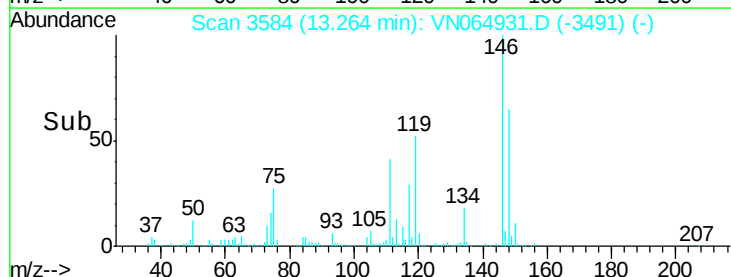
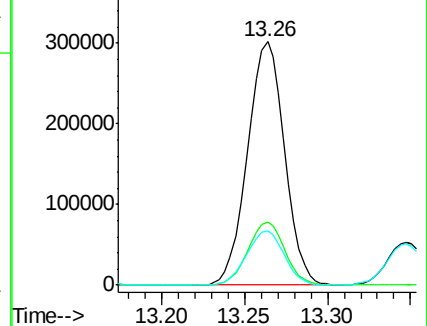
91 22.4 11.5 34.5

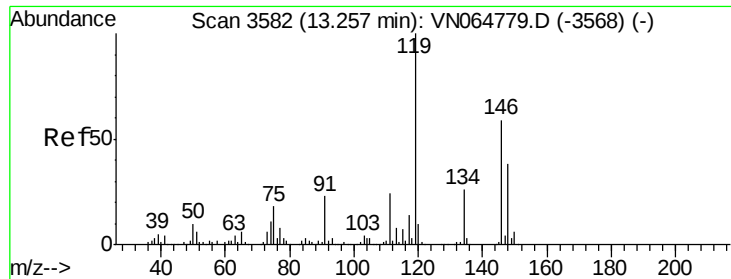


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.385 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

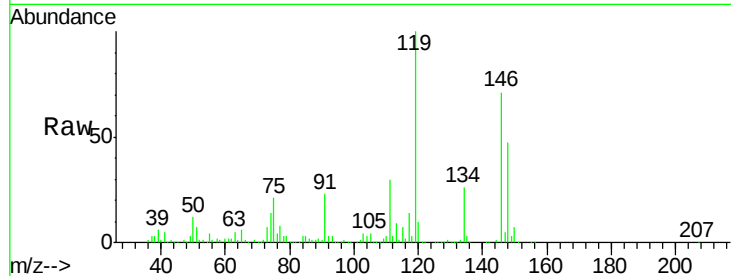
Tot Ion:146 Resp: 249016

Ion Ratio Lower Upper

146 100

111 41.3 20.6 61.9

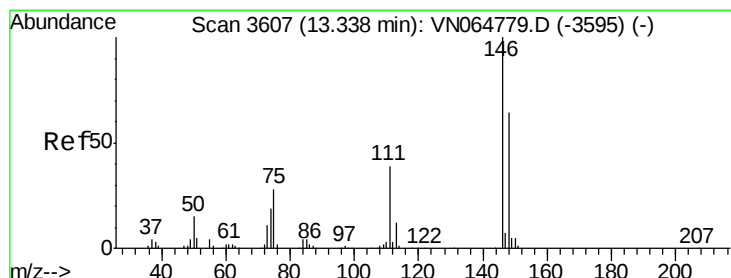
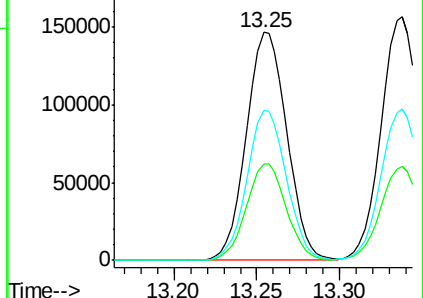
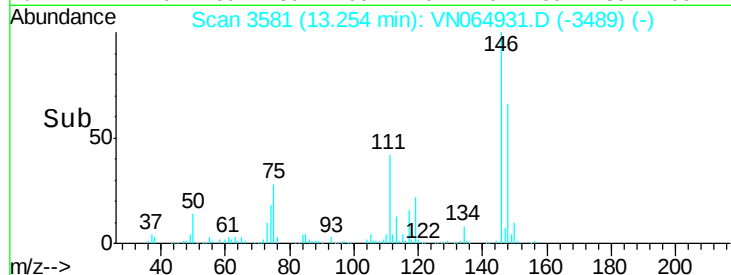
148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.783 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

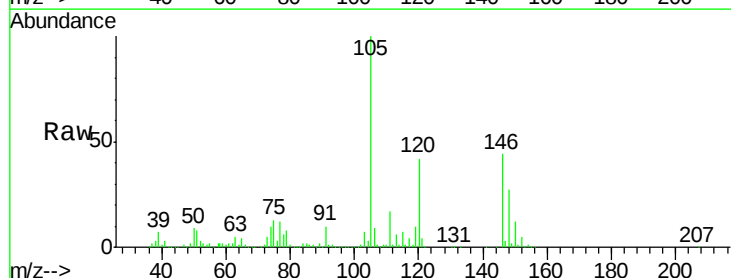
Tgt Ion:146 Resp: 254441

Ion Ratio Lower Upper

146 100

111 38.8 19.8 59.3

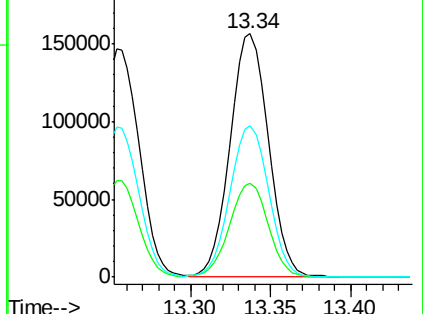
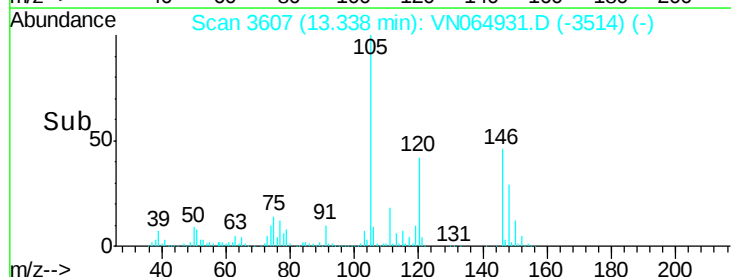
148 62.9 31.9 95.5

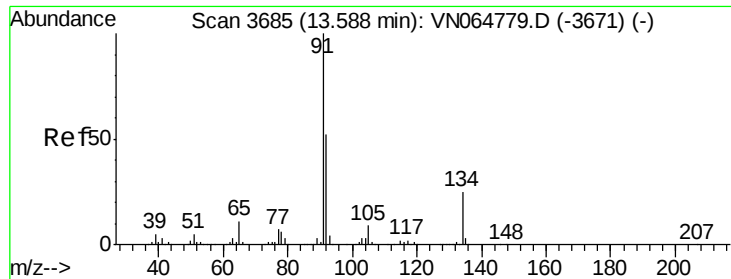


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.187 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

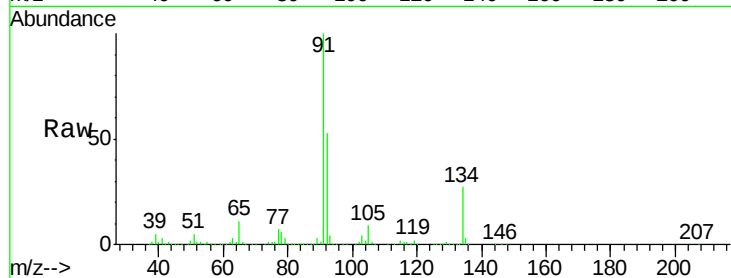
Tot Ion: 91 Resp: 439695

Ion Ratio Lower Upper

91 100

92 51.8 26.0 78.0

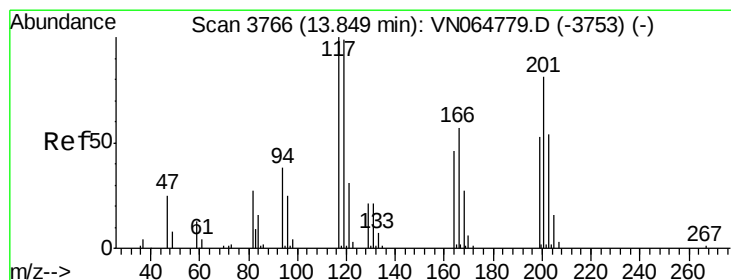
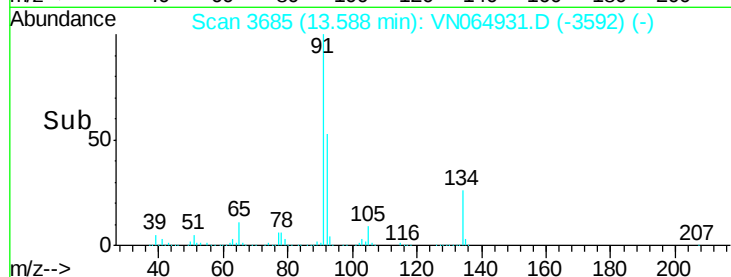
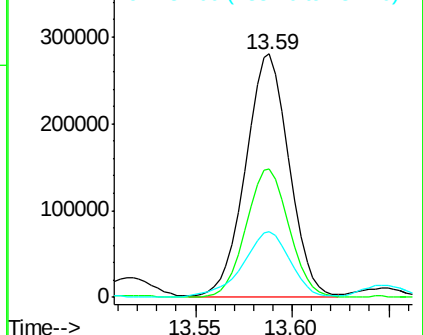
134 29.5 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VN064931.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064931.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064931.D (-3671) (-)



#90

Hexachloroethane

Concen: 62.587 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064931.D

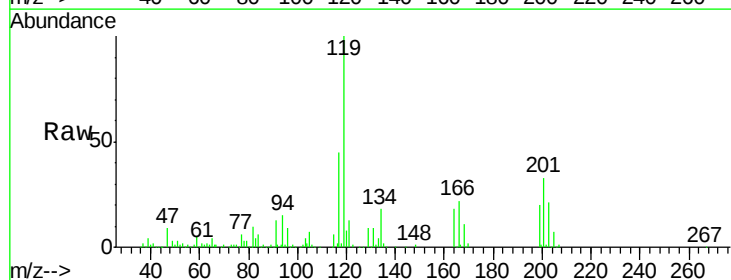
Acq: 4 Dec 2020 20:07

Tgt Ion: 117 Resp: 100461

Ion Ratio Lower Upper

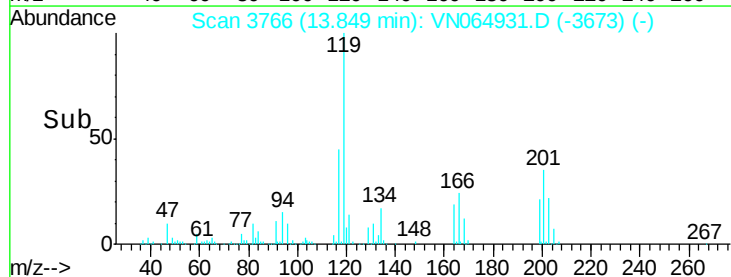
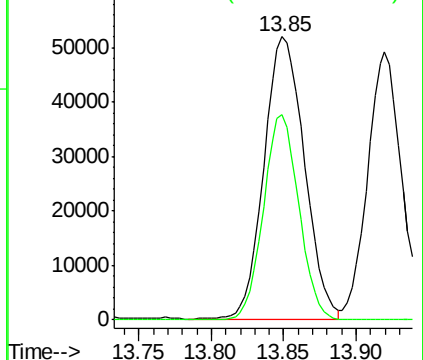
117 100

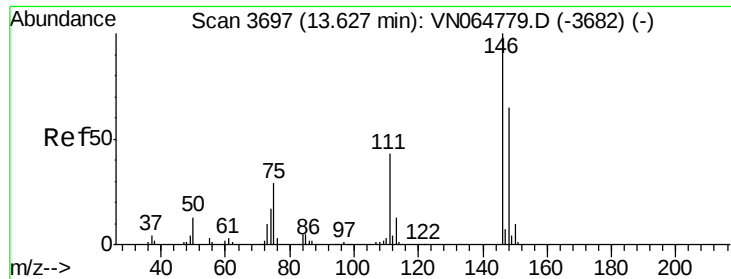
201 63.5 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): VN064931.D (-3753) (-)

Ion 200.70 (200.40 to 201.40): VN064931.D (-3753) (-)





#91

1,2-Dichlorobenzene

Concen: 47.816 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

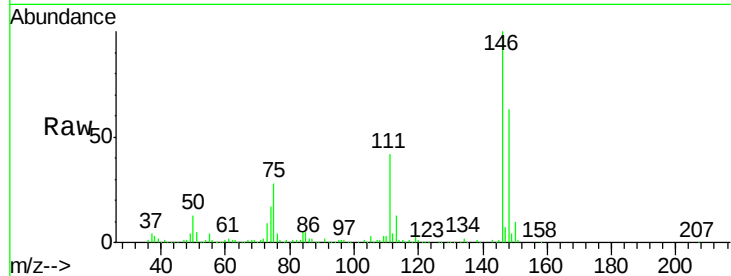
Tot Ion:146 Resp: 246730

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.1

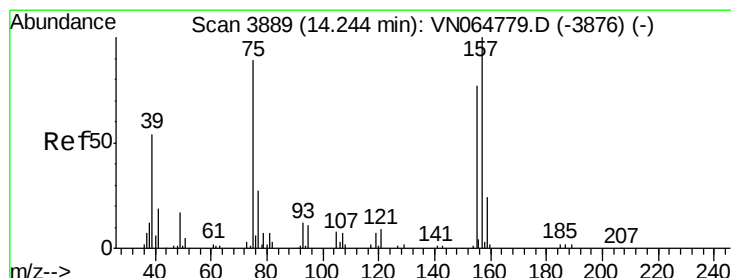
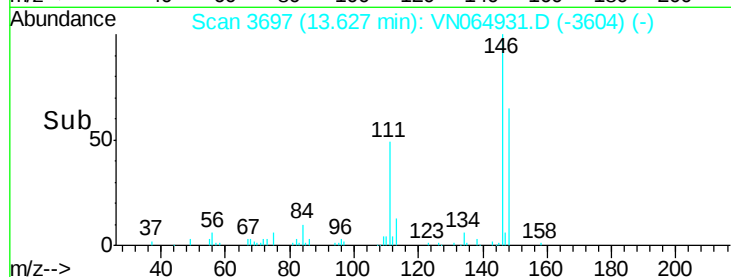
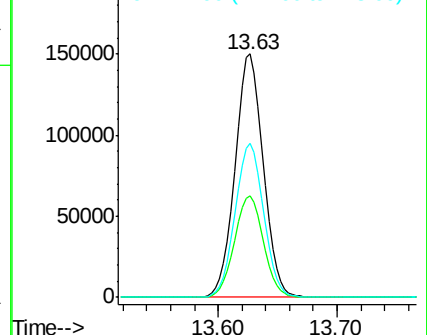
148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.903 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

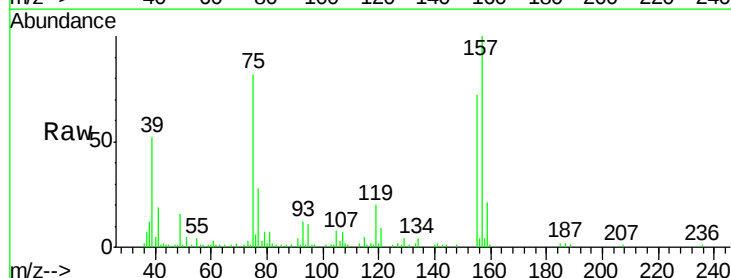
Tgt Ion: 75 Resp: 31767

Ion Ratio Lower Upper

75 100

155 90.0 42.8 128.3

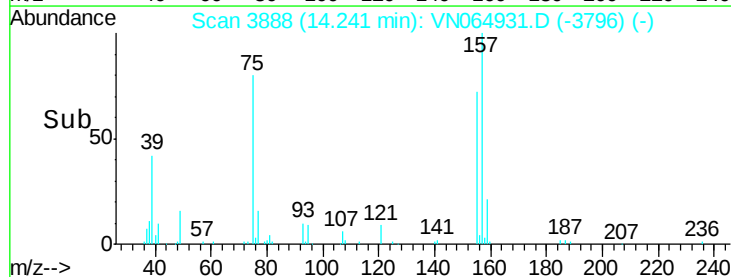
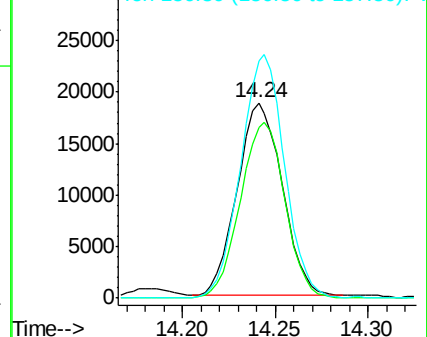
157 122.6 56.4 169.1

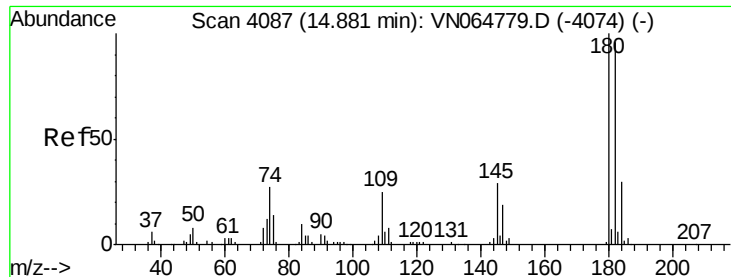


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

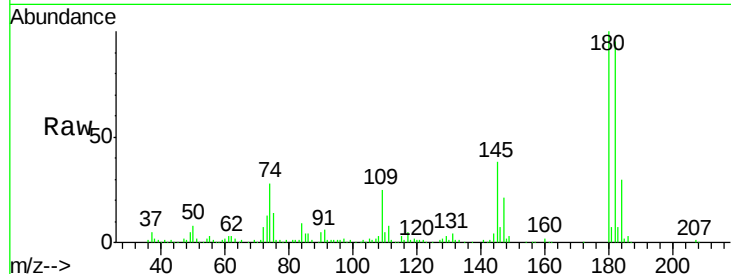




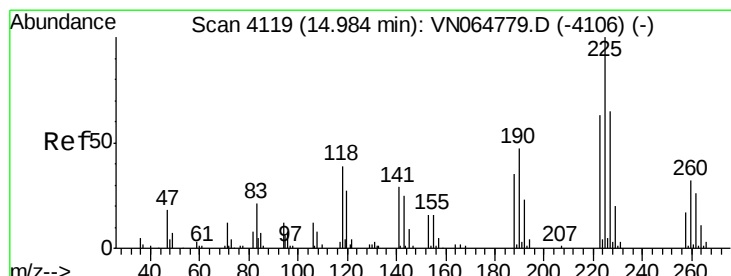
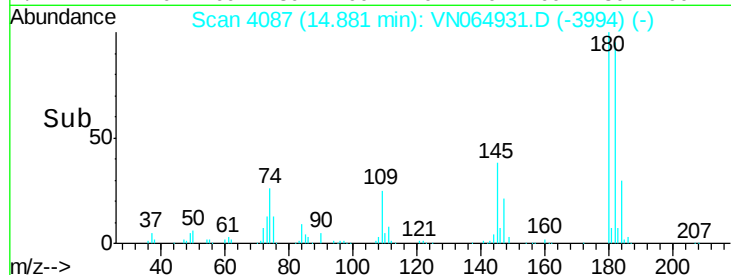
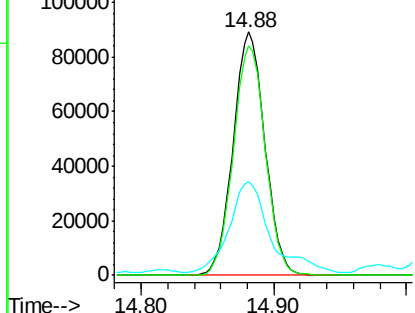
#93
 1,2,4-Trichlorobenzene
 Concen: 46.364 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MS

Tot Ion:180 Resp: 147995
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.6 142.9
 145 52.9 15.3 45.8#

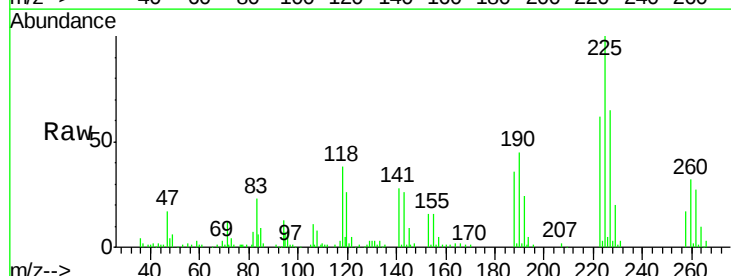


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

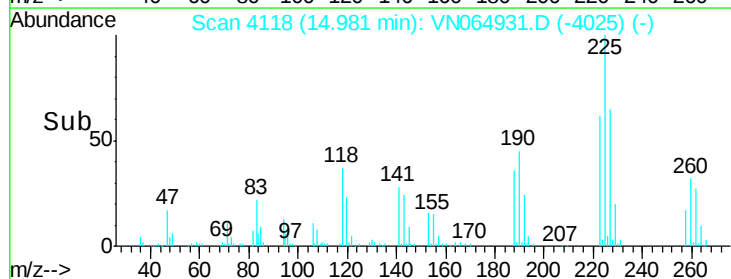
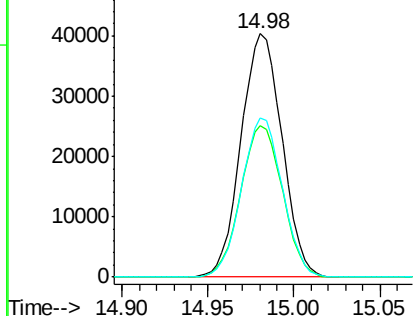


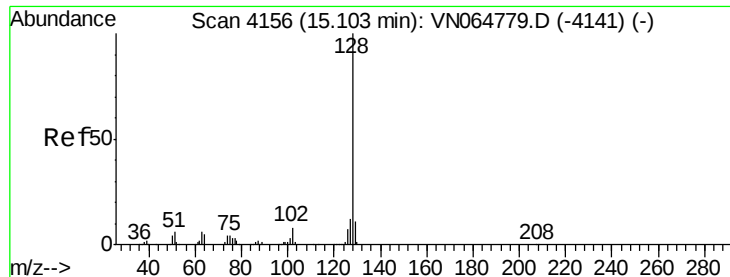
#94
 Hexachlorobutadiene
 Concen: 46.611 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion:225 Resp: 66962
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.0 93.0
 227 65.0 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 82.883 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

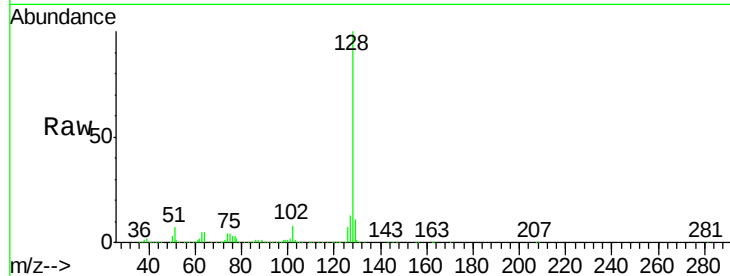
Tot Ion:128 Resp: 792597

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

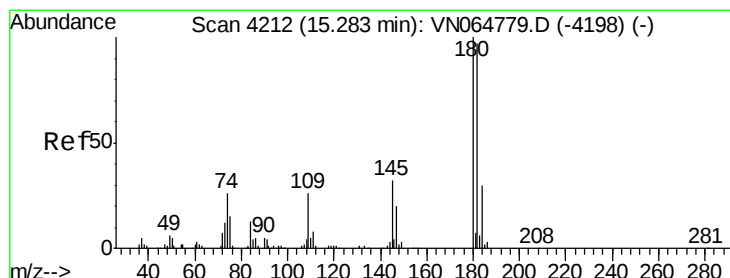
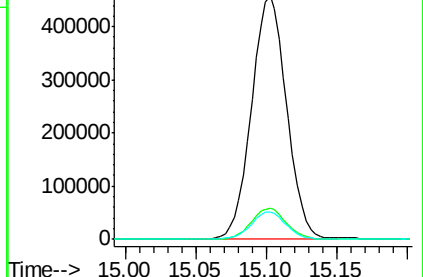
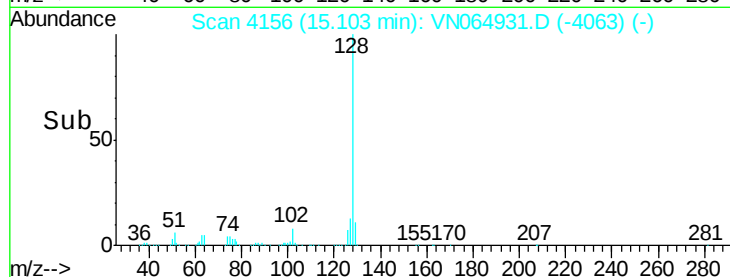
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.341 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

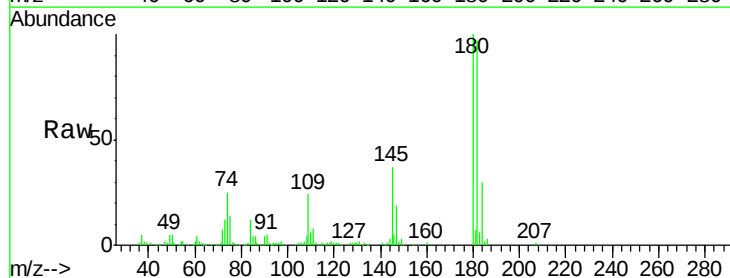
Tgt Ion:180 Resp: 146492

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 42.4 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

