

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064754.D
 Acq On : 20 Nov 2020 2:16
 Operator : JC/MD
 Sample : VN1119WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

Quant Time: Dec 03 05:19:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:39:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	252829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	492230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	419912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	262151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	221168	49.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.46%
35) Dibromofluoromethane	7.54	113	143420	51.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.38%
50) Toluene-d8	10.05	98	565764	44.43	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	88.86%
62) 4-Bromofluorobenzene	12.37	95	204719	43.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.02%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57564	18.221	ug/l	97
3) Chloromethane	2.04	50	68783	19.690	ug/l	98
4) Vinyl Chloride	2.17	62	80301	22.030	ug/l	98
5) Bromomethane	2.54	94	57939	21.677	ug/l	97
6) Chloroethane	2.68	64	56145	22.829	ug/l	98
7) Trichlorofluoromethane	2.99	101	134675	20.629	ug/l	98
8) Diethyl Ether	3.37	74	45841	21.762	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	55350	19.619	ug/l	99
10) Methyl Iodide	3.91	142	57250	16.976	ug/l	99
11) Tert butyl alcohol	4.73	59	40671	94.256	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	50875	18.716	ug/l	98
13) Acrolein	3.56	56	8279	81.951	ug/l	99
14) Allyl chloride	4.27	41	88735	19.012	ug/l	96
15) Acrylonitrile	4.93	53	117619	92.831	ug/l	100
16) Acetone	3.77	43	114685	109.479	ug/l	98
17) Carbon Disulfide	4.00	76	150734	19.150	ug/l	100
18) Methyl Acetate	4.28	43	60897	19.494	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	170947	18.795	ug/l	100
20) Methylene Chloride	4.50	84	62489	18.973	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	56465	18.617	ug/l	98
22) Diisopropyl ether	5.90	45	191376	19.416	ug/l	97
23) Vinyl Acetate	5.84	43	757420	95.218	ug/l	100
24) 1,1-Dichloroethane	5.79	63	111799	19.360	ug/l	99
25) 2-Butanone	6.78	43	164418	96.691	ug/l	97
26) 2,2-Dichloropropane	6.78	77	93870	17.107	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	64970	19.430	ug/l	97
28) Bromochloromethane	7.15	49	56709	19.476	ug/l	96
29) Tetrahydrofuran	7.16	42	104035	90.549	ug/l	98
30) Chloroform	7.32	83	123224	19.636	ug/l	100
31) Cyclohexane	7.61	56	88893	18.487	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	110800	19.317	ug/l	98
36) 1,1-Dichloropropene	7.75	75	86192	17.020	ug/l	98
37) Ethyl Acetate	6.87	43	76635	18.073	ug/l	98
38) Carbon Tetrachloride	7.73	117	98208	18.248	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	71409	15.914	ug/l	97
40) Benzene	8.00	78	250636	17.763	ug/l	99
41) Methacrylonitrile	7.12	41	36097	18.573	ug/l	90
42) 1,2-Dichloroethane	8.08	62	109878	18.099	ug/l	100
43) Isopropyl Acetate	8.12	43	131191	15.962	ug/l	99
44) Trichloroethene	8.79	130	75447	18.632	ug/l	95
45) 1,2-Dichloropropane	9.08	63	68042	18.091	ug/l	100
46) Dibromomethane	9.17	93	47192	17.701	ug/l	99
47) Bromodichloromethane	9.37	83	100512	17.933	ug/l	99
48) Methyl methacrylate	9.16	41	61895	15.960	ug/l	99
49) 1,4-Dioxane	9.16	88	18729	387.098	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	377999	80.448	ug/l	100
52) Toluene	10.12	92	155991	17.950	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	96135	16.027	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	103573	16.769	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	61897	17.758	ug/l	96
56) Ethyl methacrylate	10.40	69	79072	15.756	ug/l	97
57) 1,3-Dichloropropane	10.68	76	105588	17.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	229662	82.785	ug/l	99
59) 2-Hexanone	10.72	43	268734	79.682	ug/l	98
60) Dibromochloromethane	10.87	129	69561	17.273	ug/l	100
61) 1,2-Dibromoethane	10.97	107	62944	16.930	ug/l	99
64) Tetrachloroethene	10.60	164	72727	19.537	ug/l	97
65) Chlorobenzene	11.40	112	164625	18.430	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	63250	18.951	ug/l	100
67) Ethyl Benzene	11.48	91	283382	17.994	ug/l	99
68) m/p-Xylenes	11.59	106	212635	35.961	ug/l	98
69) o-Xylene	11.92	106	100697	18.327	ug/l	99
70) Styrene	11.94	104	172505	17.818	ug/l	100
71) Bromoform	12.10	173	41822	17.778	ug/l #	96
73) Isopropylbenzene	12.22	105	256873	13.801	ug/l	100
74) N-amyl acetate	12.04	43	111896	12.873	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	72272	13.888	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	112629	19.940	ug/l #	100
77) Bromobenzene	12.50	156	66613	14.190	ug/l	96
78) n-propylbenzene	12.56	91	308637	14.239	ug/l	99
79) 2-Chlorotoluene	12.65	91	191121	13.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	226778	14.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	24906	12.545	ug/l	93
82) 4-Chlorotoluene	12.74	91	207845	14.050	ug/l	99
83) tert-Butylbenzene	12.97	119	182878	15.289	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	266368	16.880	ug/l	99
85) sec-Butylbenzene	13.14	105	249588	15.655	ug/l	99
86) p-Isopropyltoluene	13.26	119	229372	15.643	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	134179	15.687	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	158878	18.093	ug/l	99
89) n-Butylbenzene	13.59	91	228291	16.678	ug/l	99
90) Hexachloroethane	13.85	117	45547	18.790	ug/l	92
91) 1,2-Dichlorobenzene	13.62	146	155986	18.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21287	15.588	ug/l	88

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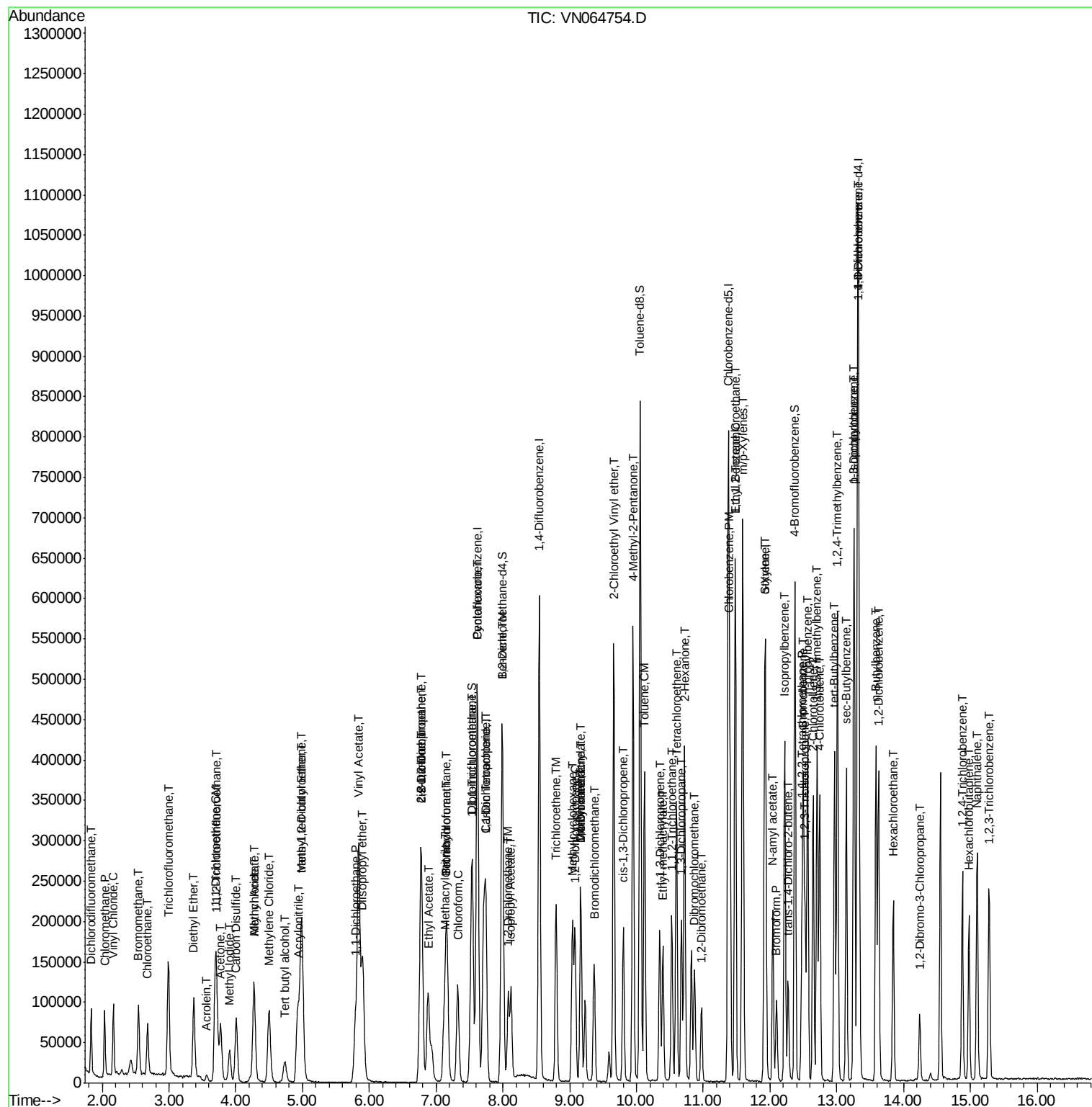
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	77756	17.971	ug/l	97
94) Hexachlorobutadiene	14.98	225	36114	19.082	ug/l	97
95) Naphthalene	15.10	128	240147	16.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	76149	17.952	ug/l	100

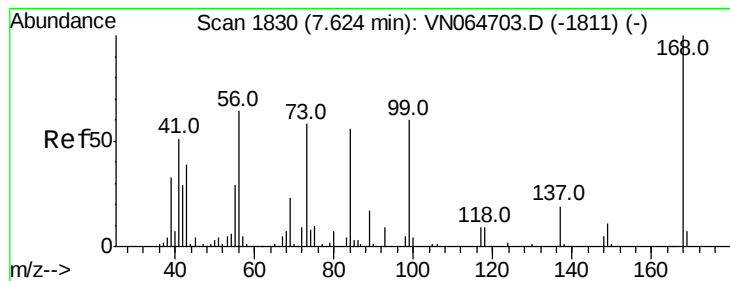
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

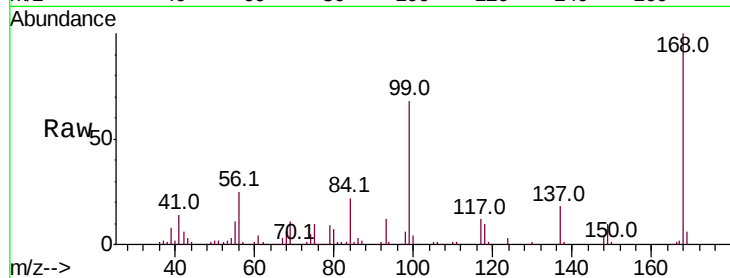
VN1119WBS02

Tot Ion:168 Resp: 252829

Ion Ratio Lower Upper

168 100

99 67.2 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

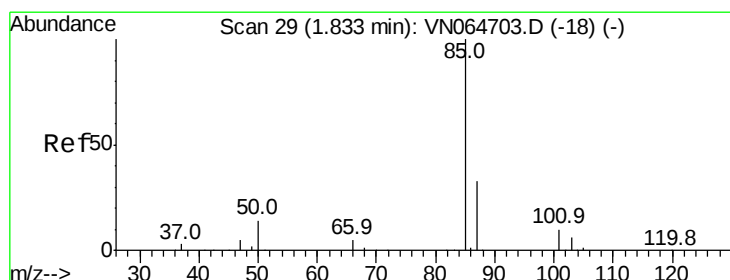
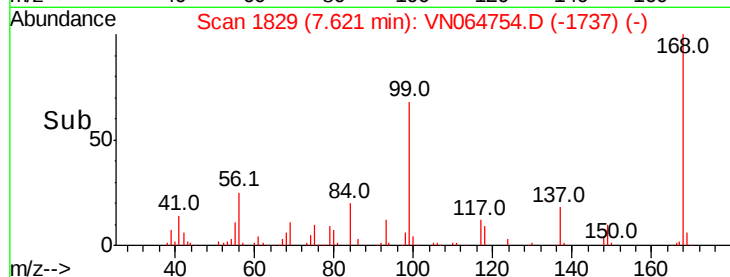
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.221 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064754.D

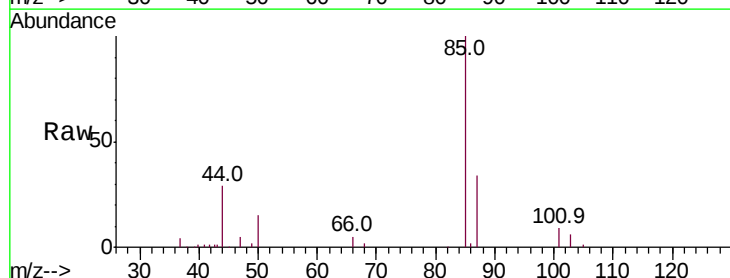
Acq: 20 Nov 2020 2:16

Tgt Ion: 85 Resp: 57564

Ion Ratio Lower Upper

85 100

87 34.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

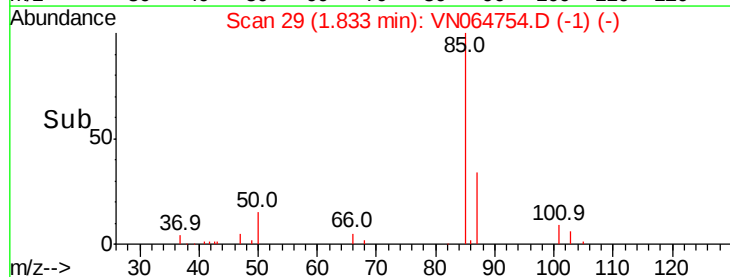
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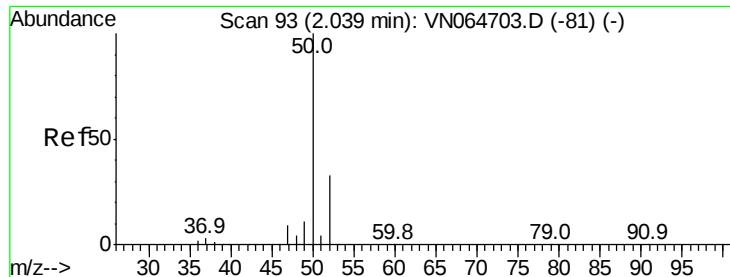
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.690 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampled :

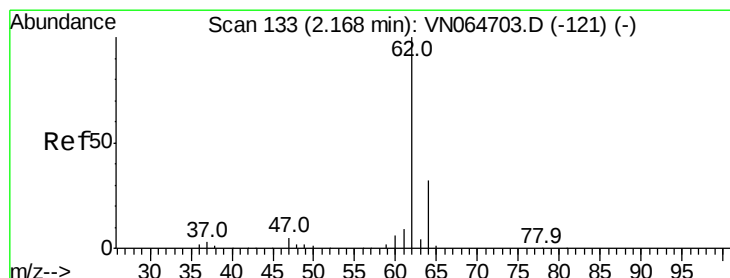
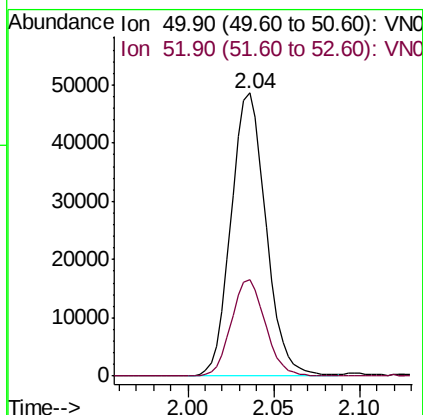
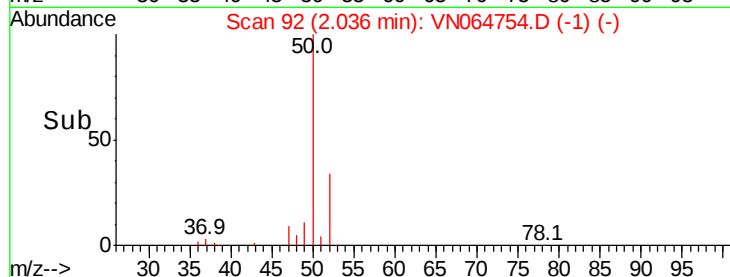
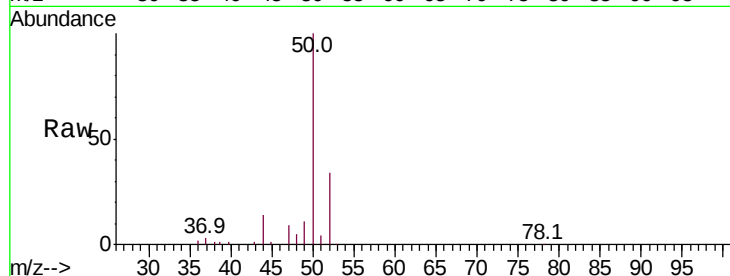
VN1119WBS02

Tot Ion: 50 Resp: 68783

Ion Ratio Lower Upper

50 100

52 34.0 26.4 39.6



#4

Vinyl Chloride

Concen: 22.030 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064754.D

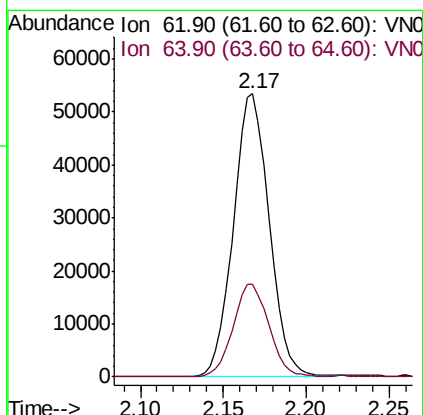
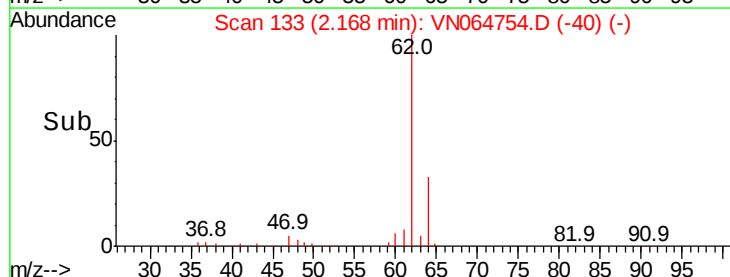
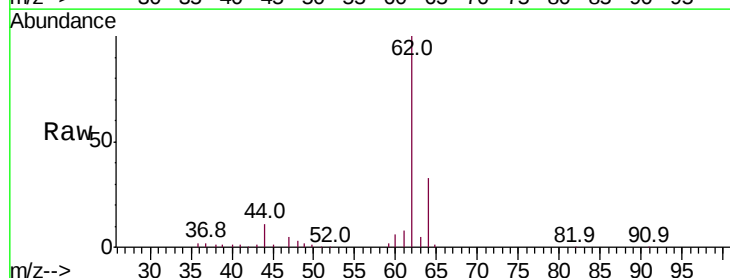
Acq: 20 Nov 2020 2:16

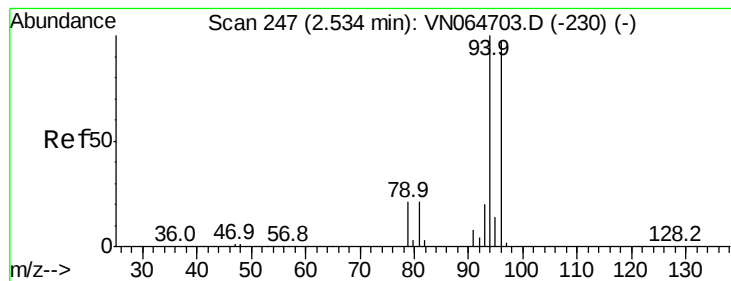
Tgt Ion: 62 Resp: 80301

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 21.677 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

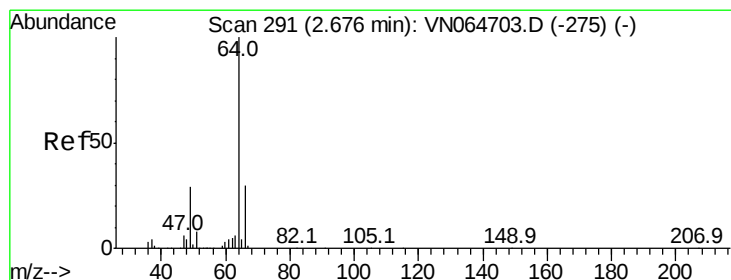
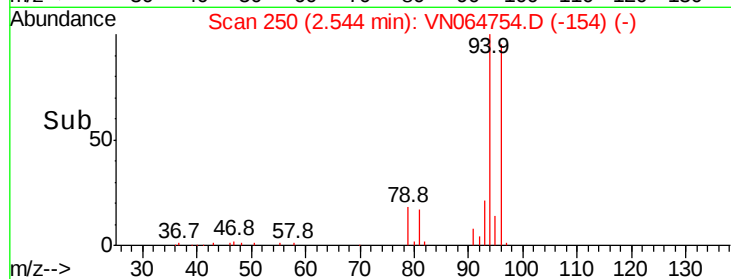
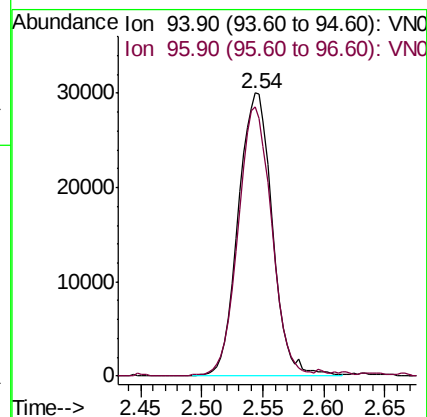
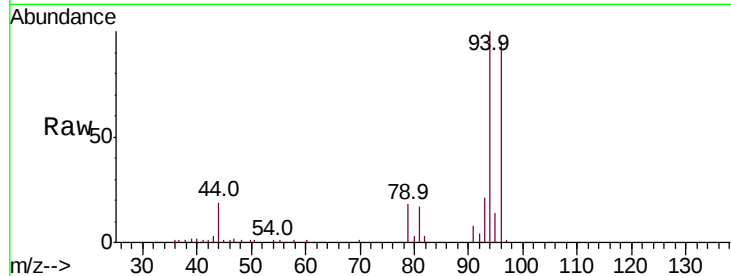
VN1119WBS02

Tot Ion: 94 Resp: 57939

Ion Ratio Lower Upper

94 100

96 94.6 77.8 116.8



#6

Chloroethane

Concen: 22.829 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064754.D

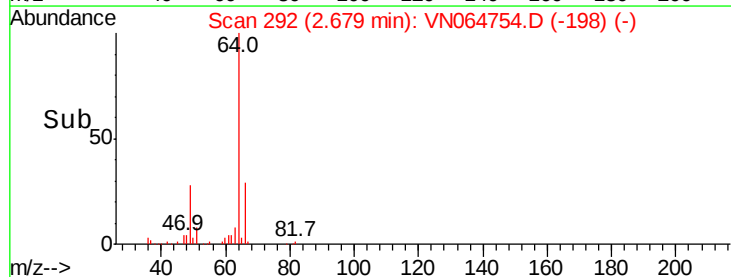
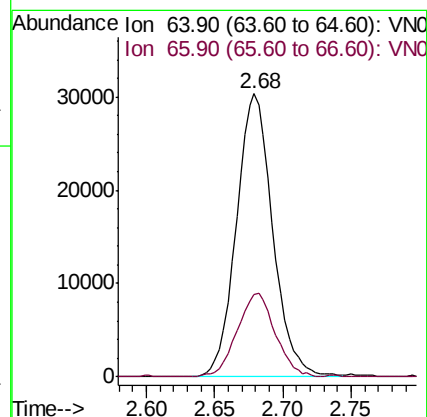
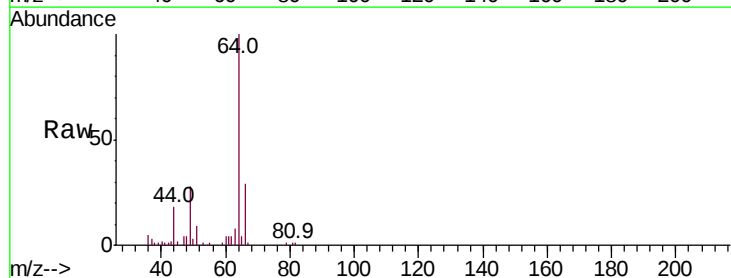
Acq: 20 Nov 2020 2:16

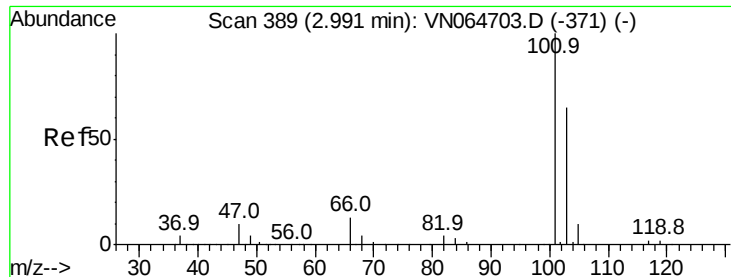
Tgt Ion: 64 Resp: 56145

Ion Ratio Lower Upper

64 100

66 29.1 24.2 36.2





#7

Trichlorofluoromethane

Concen: 20.629 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.00 min

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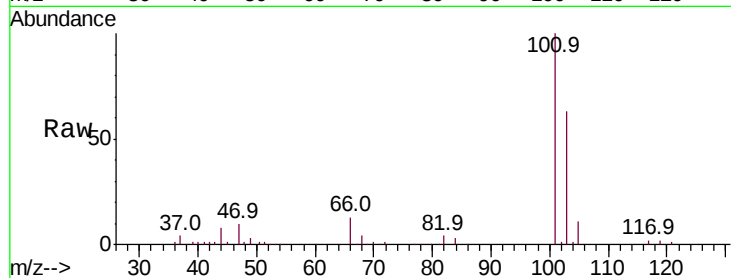
VN1119WBS02

Tot Ion:101 Resp: 134675

Ion Ratio Lower Upper

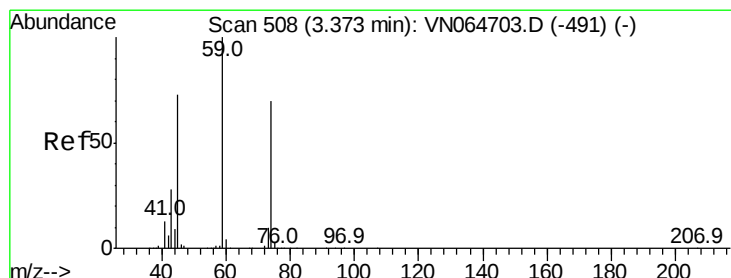
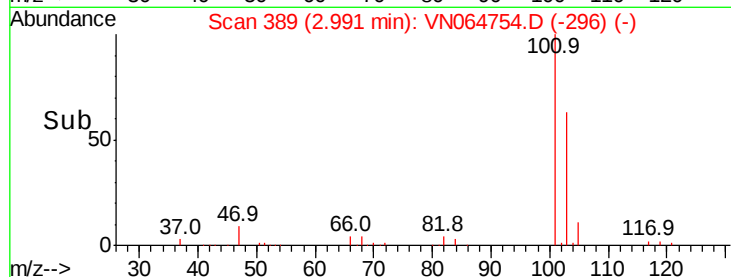
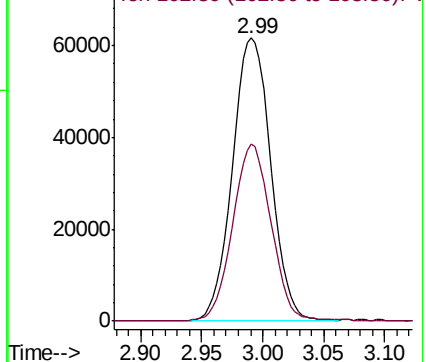
101 100

103 62.7 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.762 ug/l

RT: 3.37 min Scan# 507

Delta R.T. -0.00 min

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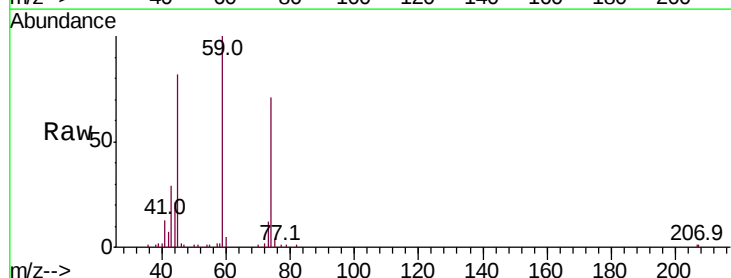
Acq: 20 Nov 2020 2:16

Tgt Ion: 74 Resp: 45841

Ion Ratio Lower Upper

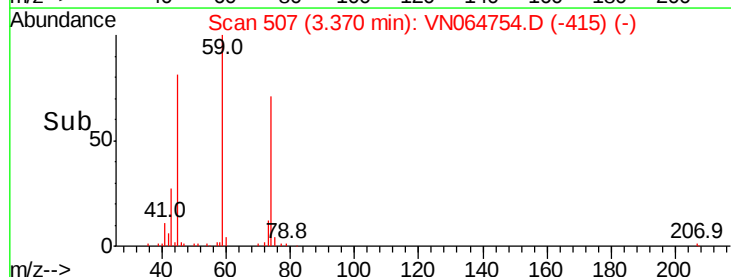
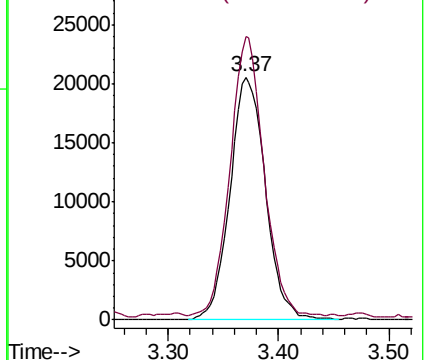
74 100

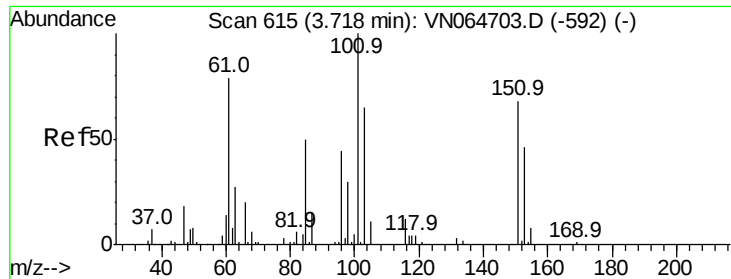
45 109.7 52.8 158.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.619 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

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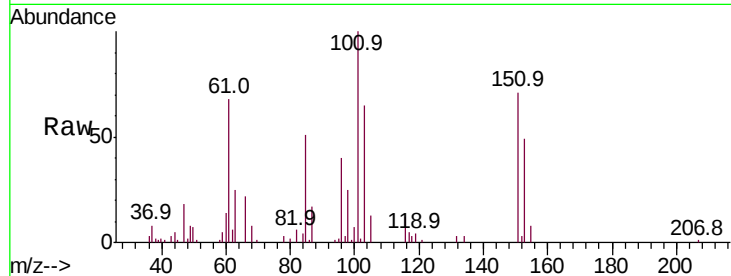
Tot Ion:101 Resp: 55350

Ion Ratio Lower Upper

101 100

85 47.1 39.0 58.4

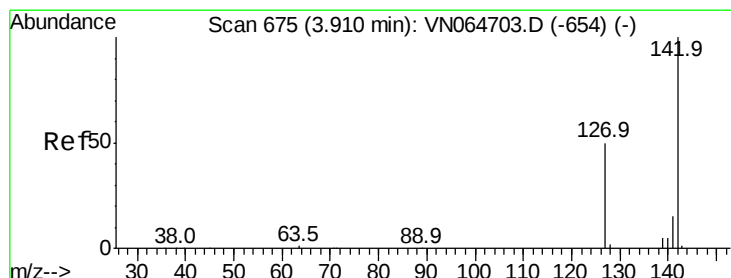
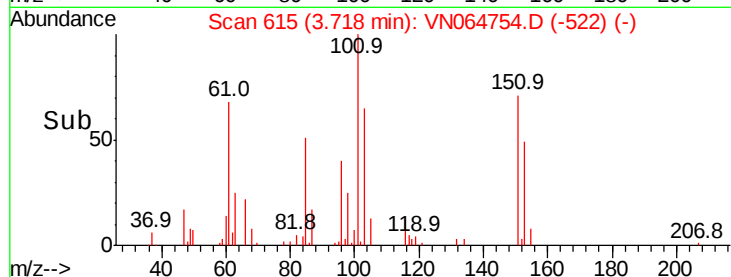
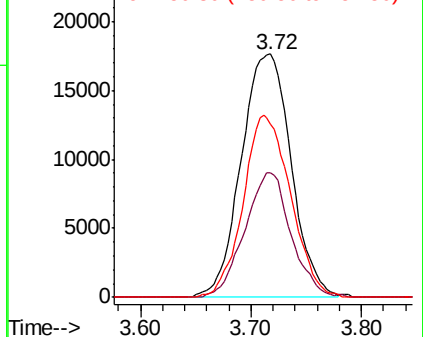
151 70.9 57.2 85.8



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: 16.976 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

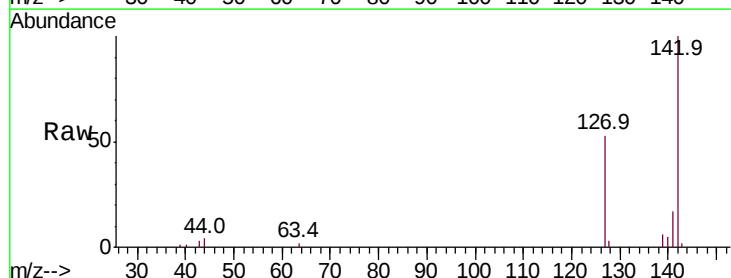
Tgt Ion:142 Resp: 57250

Ion Ratio Lower Upper

142 100

127 53.3 42.0 63.0

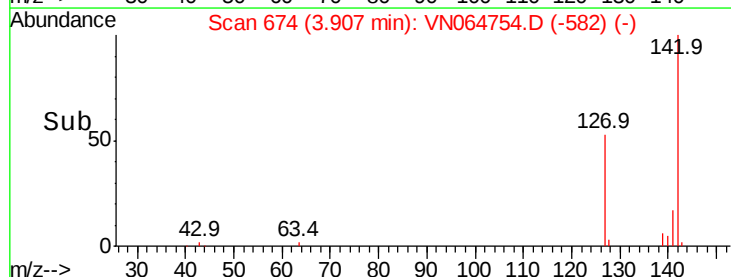
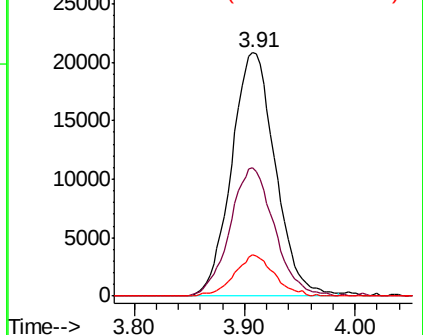
141 15.5 12.1 18.1

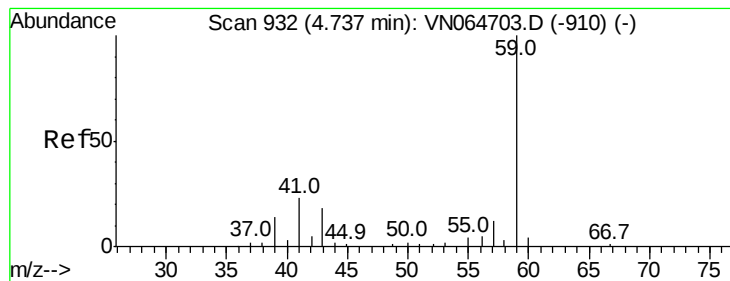


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.256 ug/l

RT: 4.73 min Scan# 931

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampled :

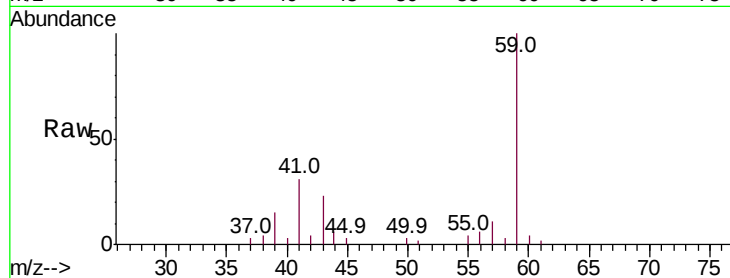
VN1119WBS02

Tot Ion: 59 Resp: 40671

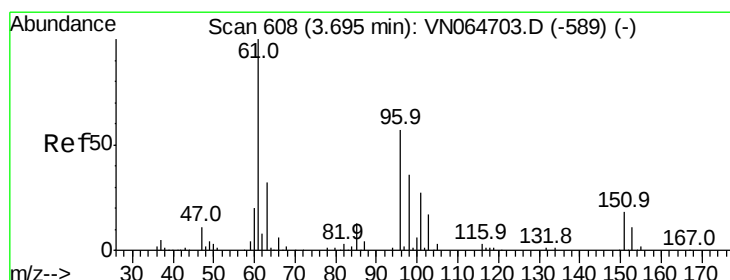
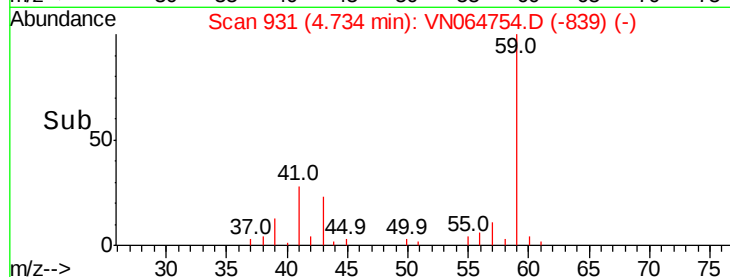
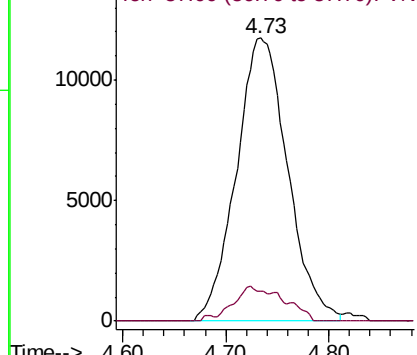
Ion Ratio Lower Upper

59 100

57 6.4 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO



#12

1,1-Dichloroethene

Concen: 18.716 ug/l

RT: 3.70 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

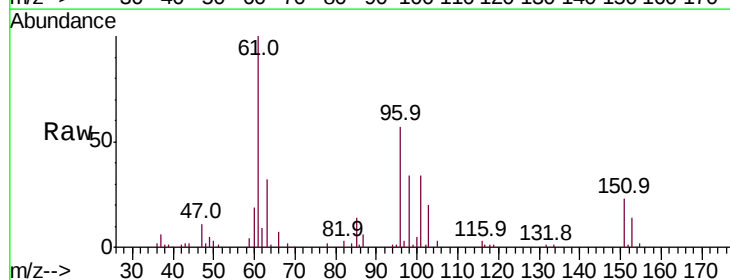
Tgt Ion: 96 Resp: 50875

Ion Ratio Lower Upper

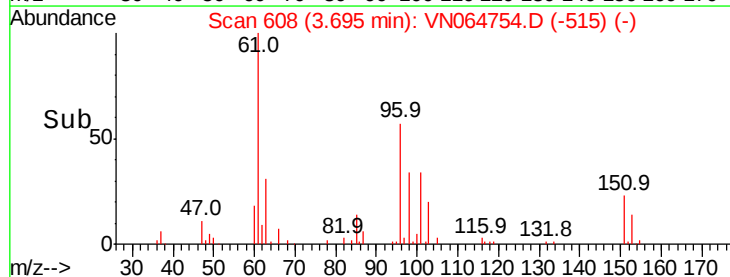
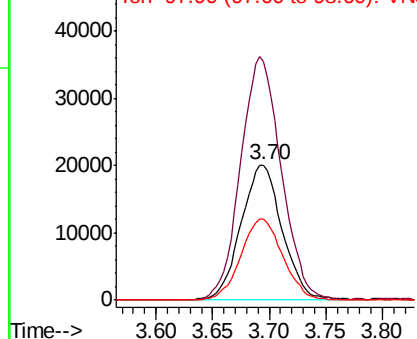
96 100

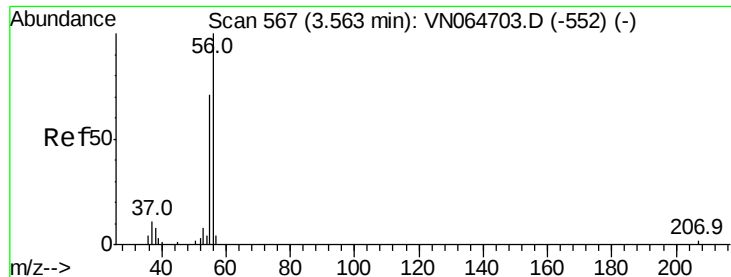
61 176.3 139.1 208.7

98 60.1 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#13

Acrolein

Concen: 81.951 ug/l

RT: 3.56 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

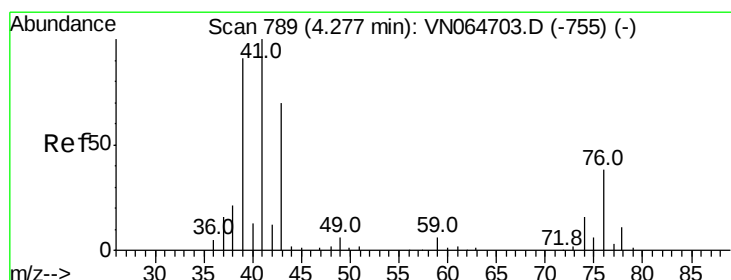
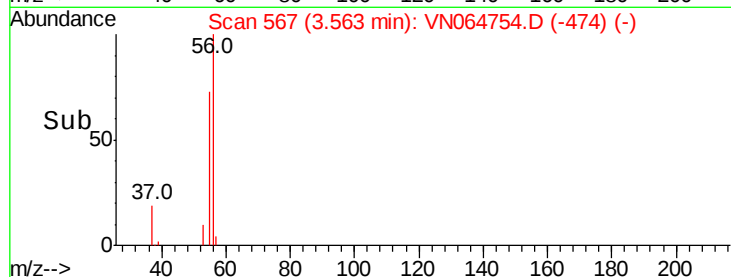
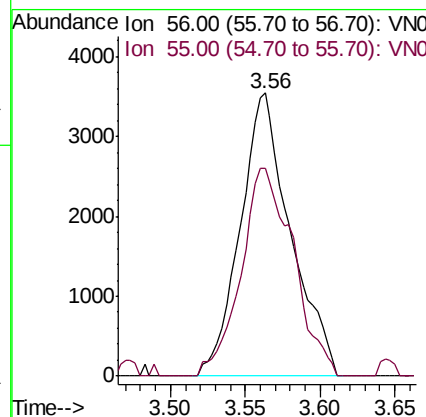
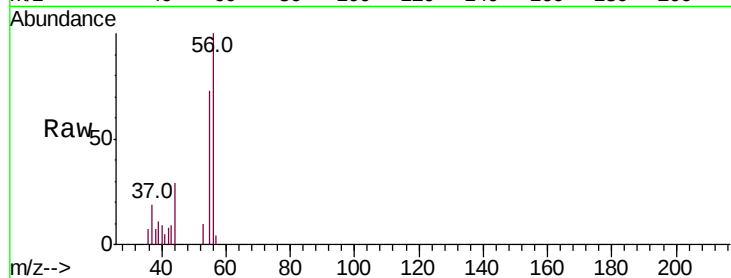
VN1119WBS02

Tot Ion: 56 Resp: 8279

Ion Ratio Lower Upper

56 100

55 76.6 61.8 92.6



#14

Allyl chloride

Concen: 19.012 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

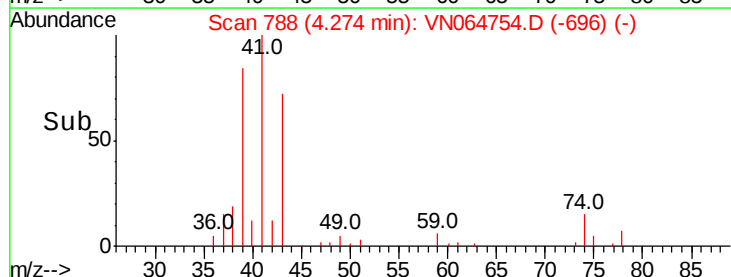
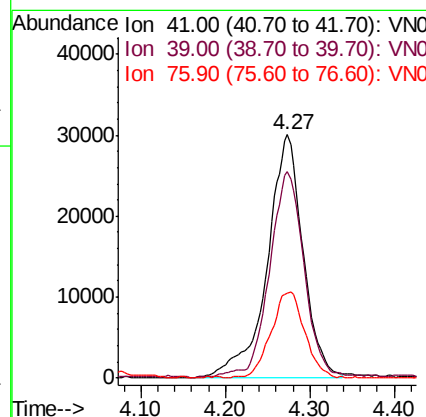
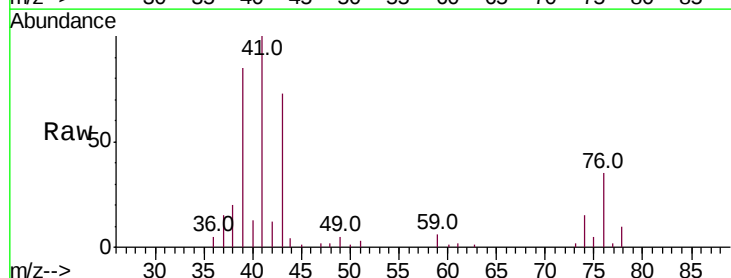
Tgt Ion: 41 Resp: 88735

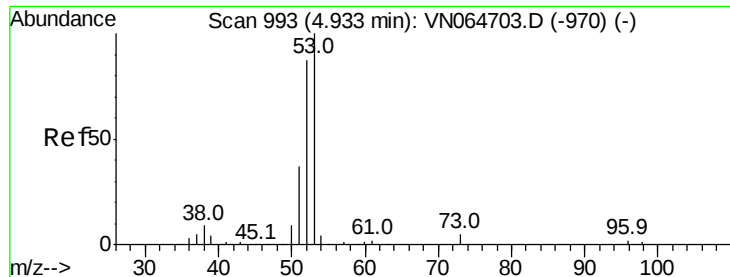
Ion Ratio Lower Upper

41 100

39 78.1 66.1 99.1

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 92.831 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

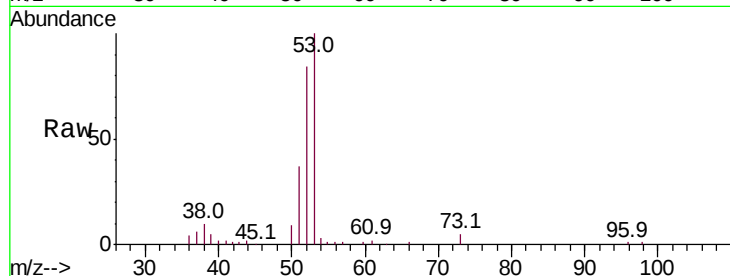
Tot Ion: 53 Resp: 117619

Ion Ratio Lower Upper

53 100

52 84.1 67.2 100.8

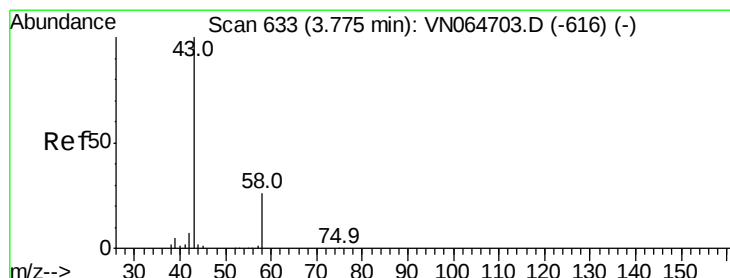
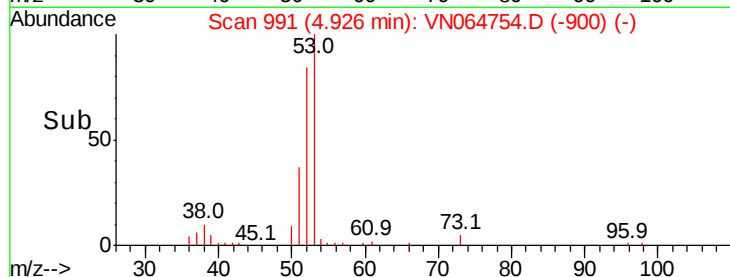
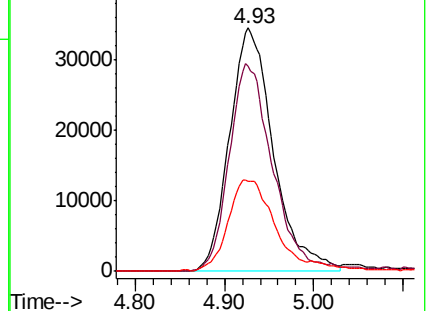
51 38.8 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VN064703.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064703.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064703.D (-970) (-)



#16

Acetone

Concen: 109.479 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064754.D

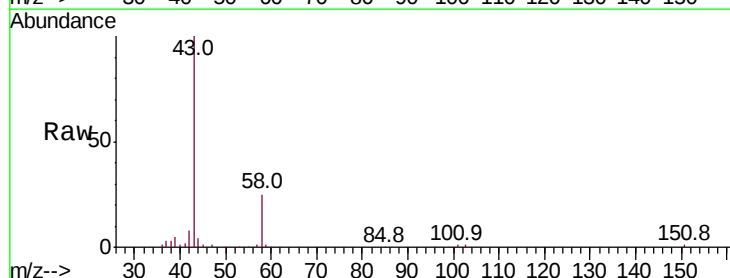
Acq: 20 Nov 2020 2:16

Tgt Ion: 43 Resp: 114685

Ion Ratio Lower Upper

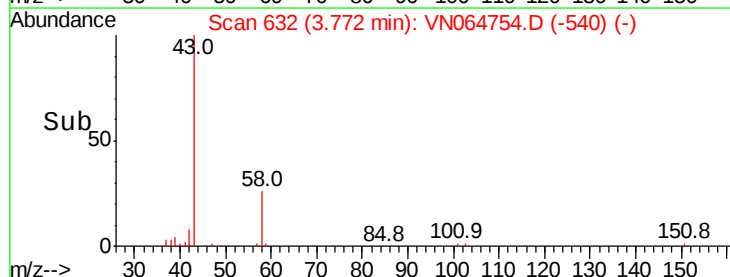
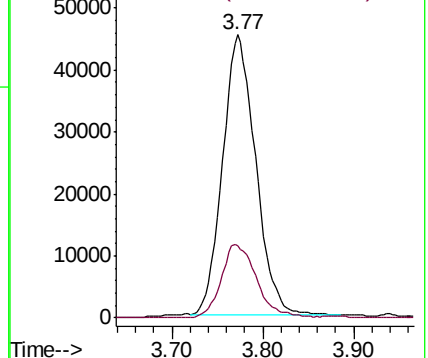
43 100

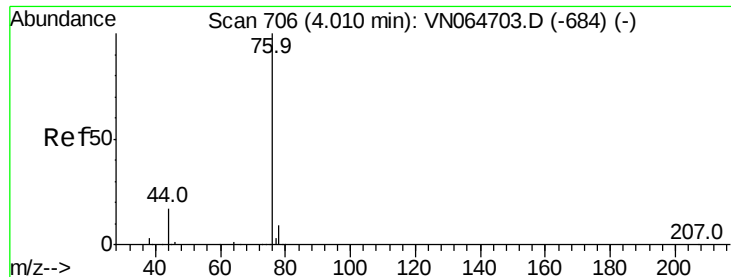
58 25.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064703.D (-616) (-)





#17

Carbon Disulfide

Concen: 19.150 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

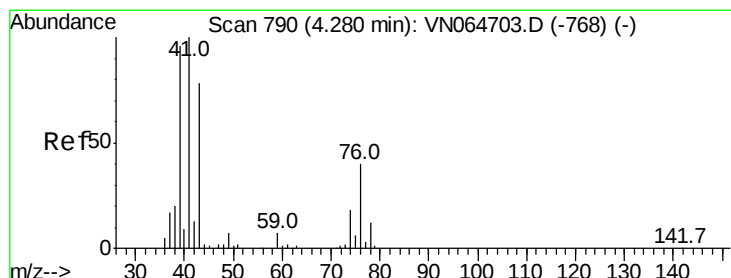
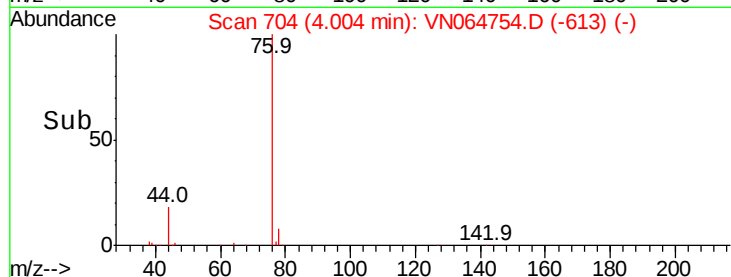
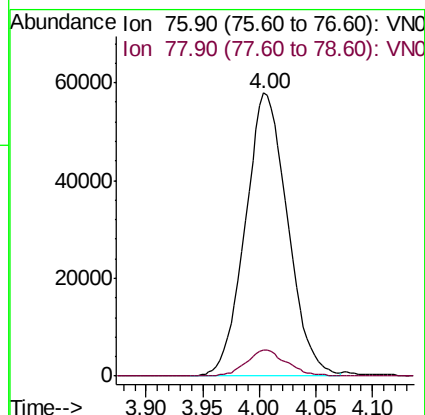
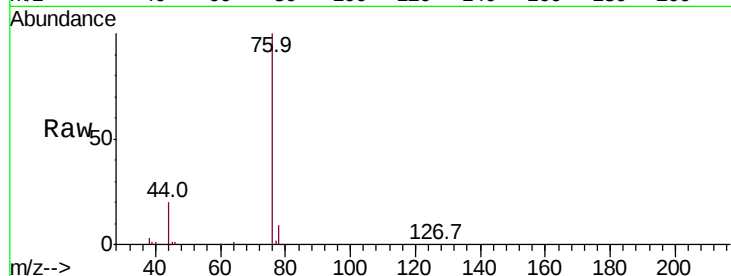
VN1119WBS02

Tot Ion: 76 Resp: 150734

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 19.494 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064754.D

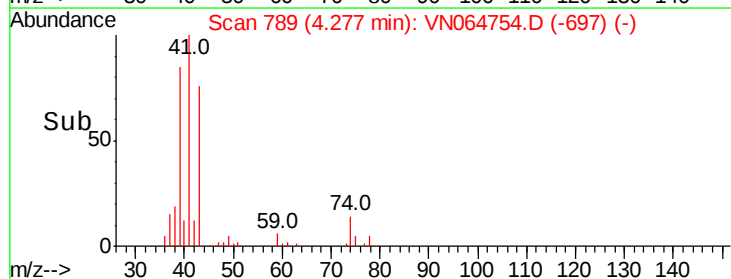
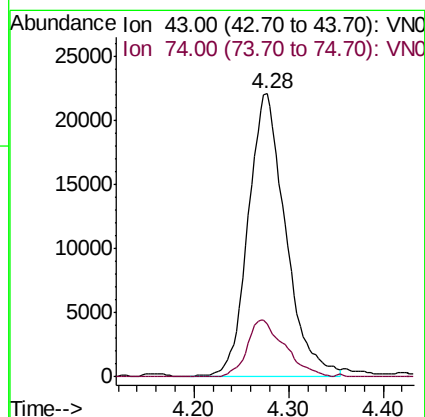
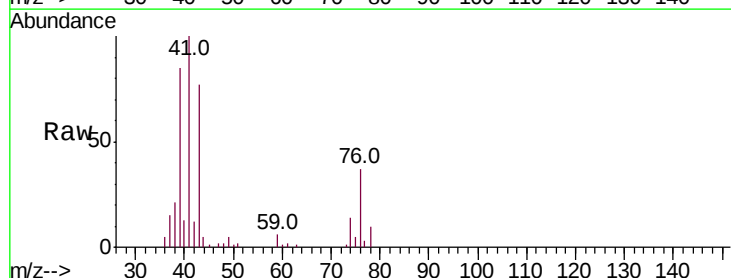
Acq: 20 Nov 2020 2:16

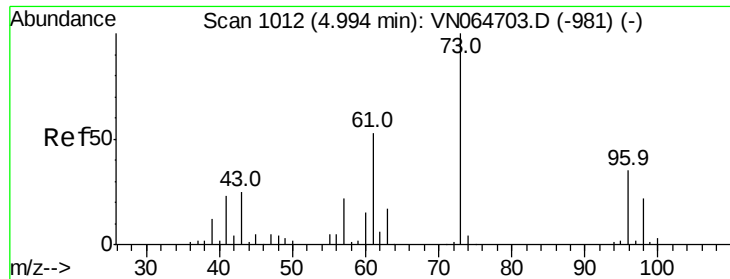
Tgt Ion: 43 Resp: 60897

Ion Ratio Lower Upper

43 100

74 20.3 17.6 26.4

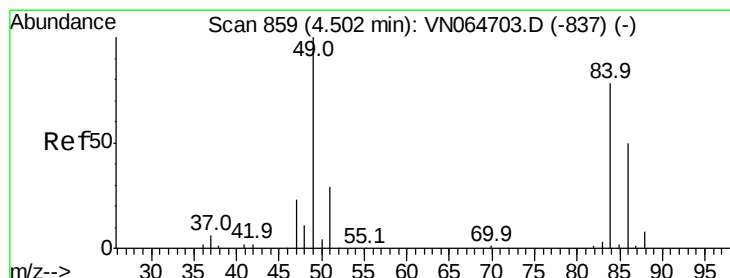
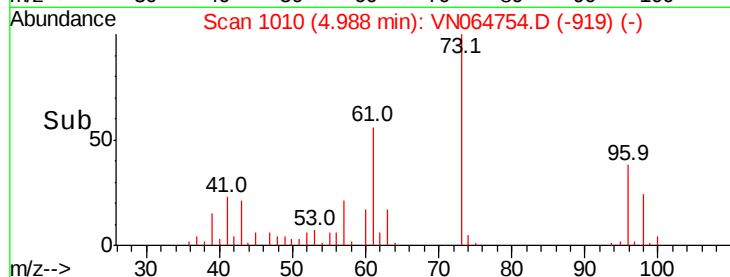
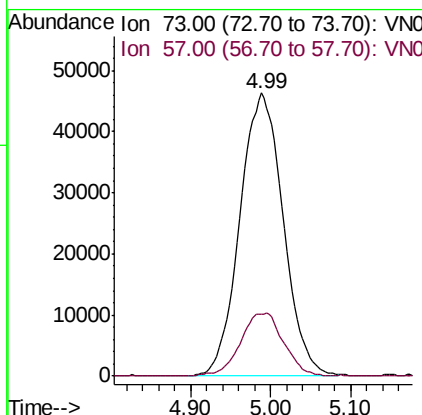
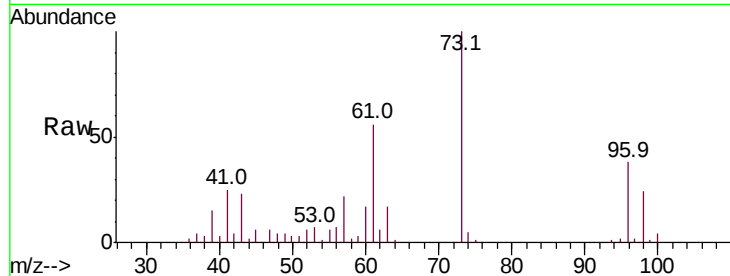




#19
Methyl tert-butyl Ether
Concen: 18.795 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

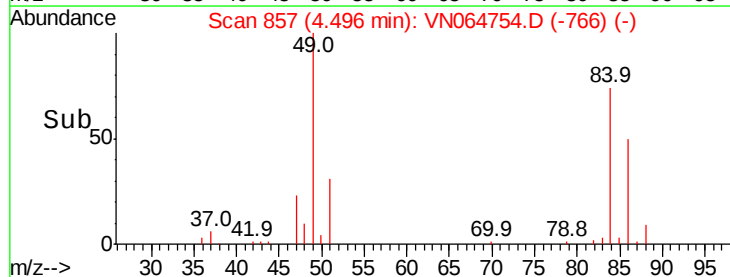
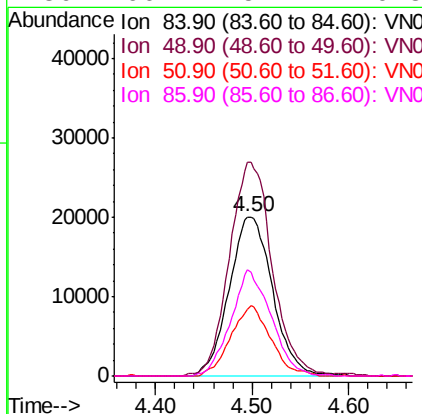
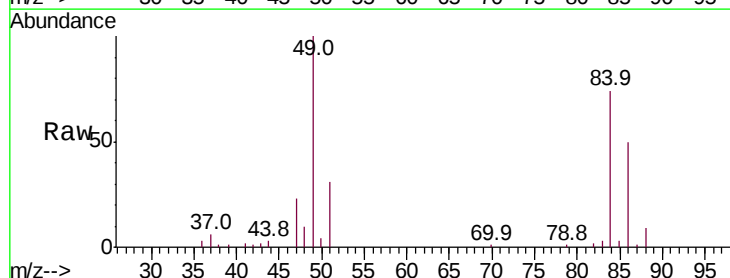
Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

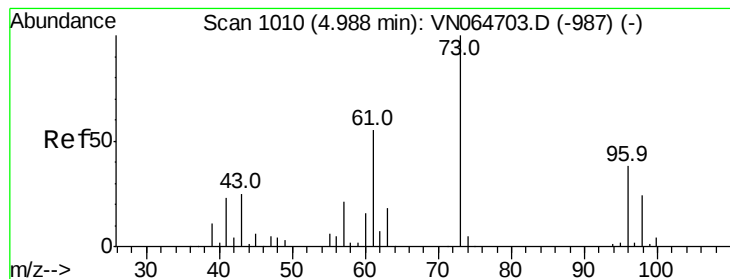
Tot Ion: 73 Resp: 170947
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9



#20
Methylene Chloride
Concen: 18.973 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 84 Resp: 62489
Ion Ratio Lower Upper
84 100
49 133.2 102.4 153.6
51 41.8 29.4 44.2
86 66.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.617 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

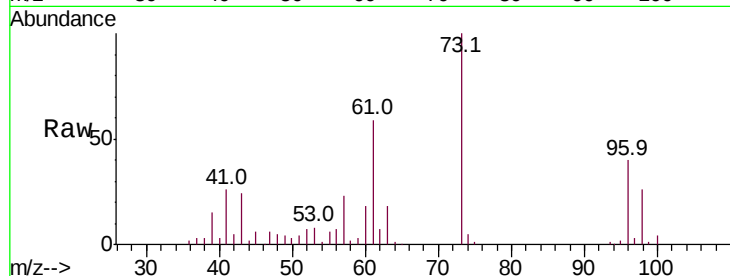
Tot Ion: 96 Resp: 56465

Ion Ratio Lower Upper

96 100

61 143.7 117.9 176.9

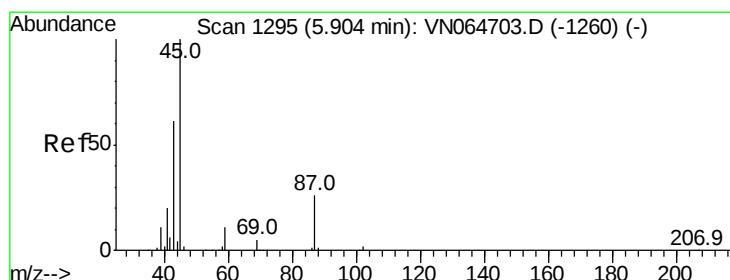
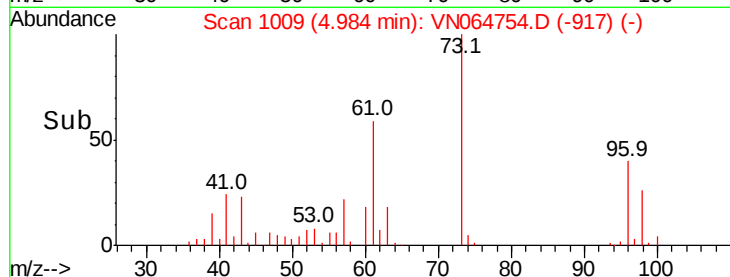
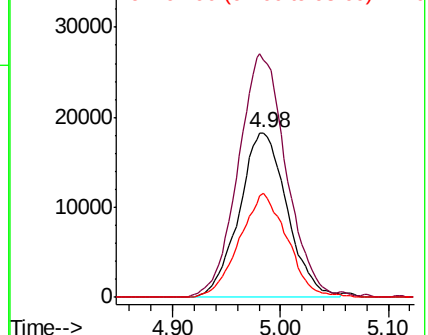
98 63.1 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN064703.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064703.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064703.D (-987) (-)



#22

Diisopropyl ether

Concen: 19.416 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Tgt Ion: 45 Resp: 191376

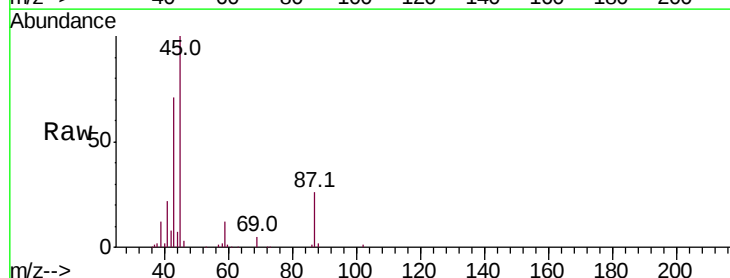
Ion Ratio Lower Upper

45 100

43 68.6 52.3 78.5

87 26.1 21.6 32.4

59 11.7 8.7 13.1

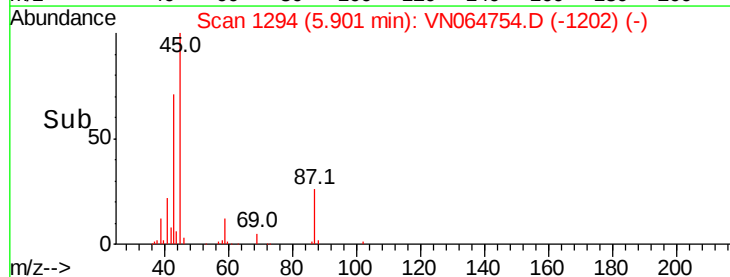
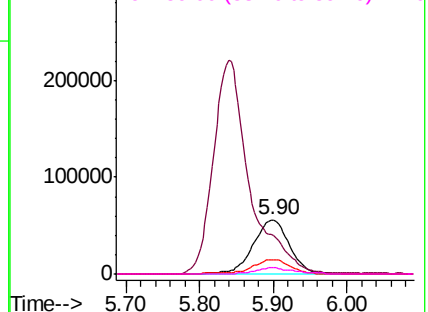


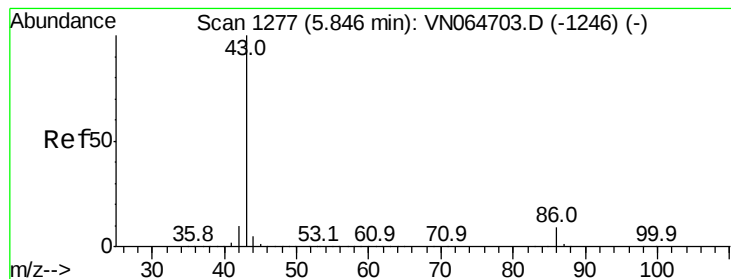
Abundance Ion 45.00 (44.70 to 45.70): VN064703.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN064703.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN064703.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN064703.D (-1260) (-)





#23

Vinyl Acetate

Concen: 95.218 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

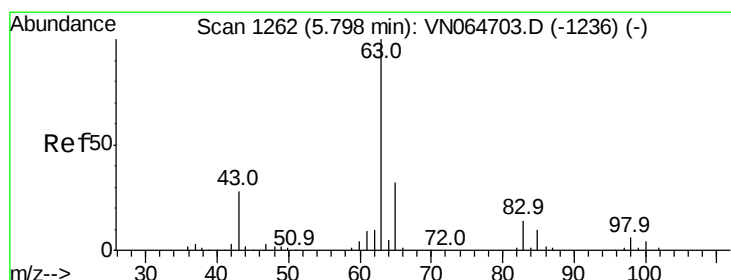
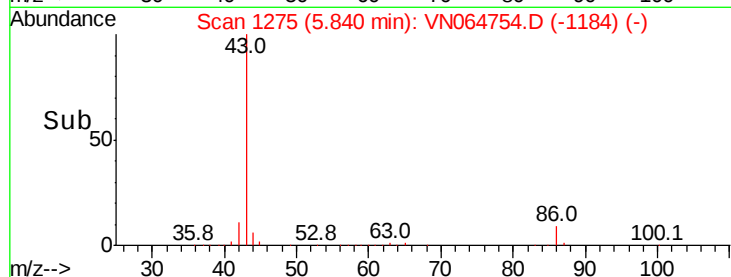
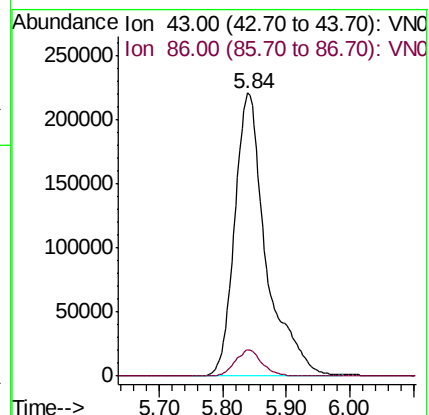
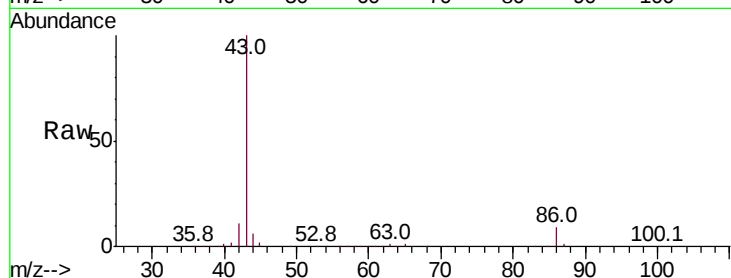
VN1119WBS02

Tot Ion: 43 Resp: 757420

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



#24

1,1-Dichloroethane

Concen: 19.360 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

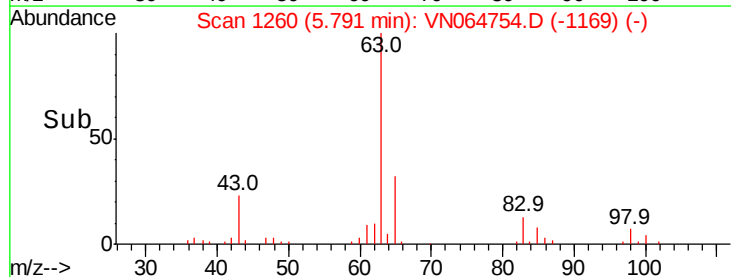
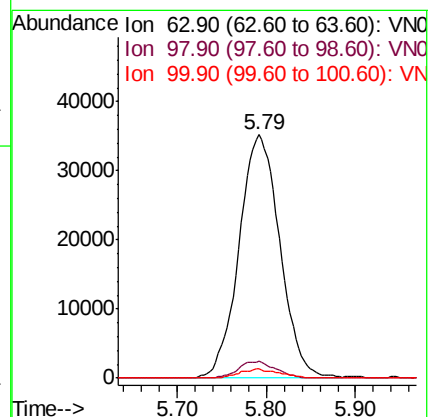
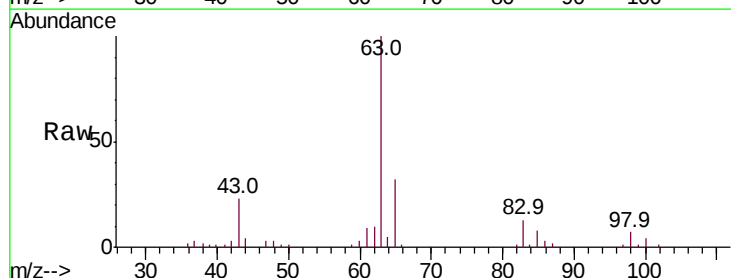
Tgt Ion: 63 Resp: 111799

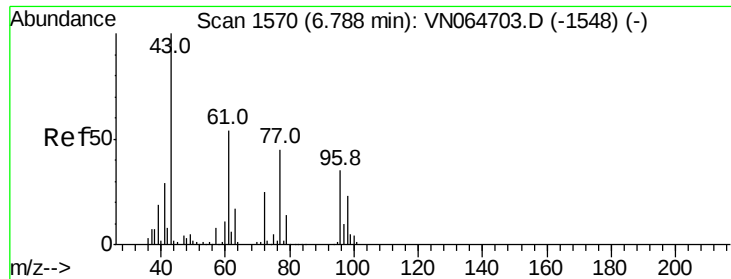
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 96.691 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

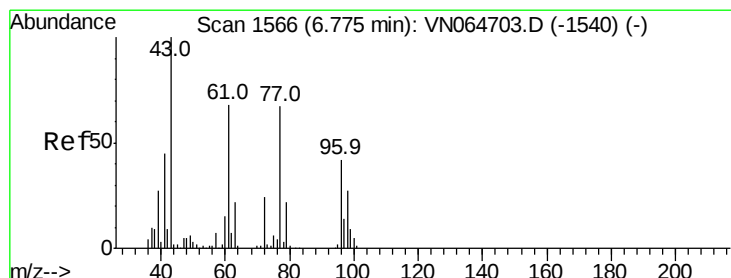
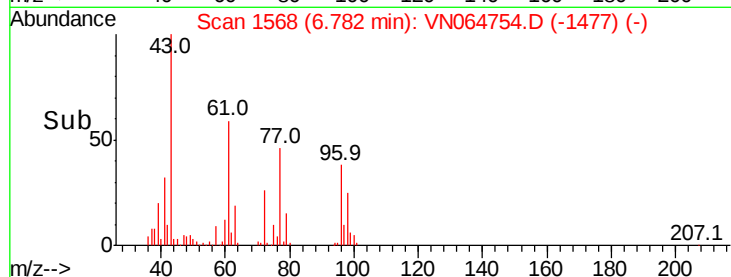
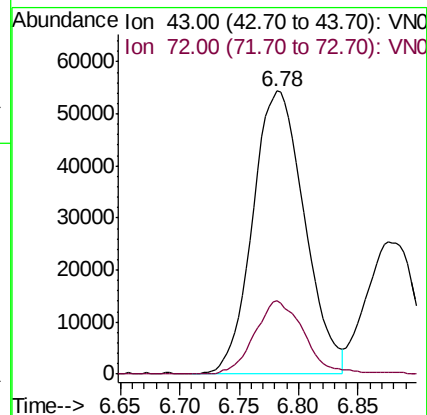
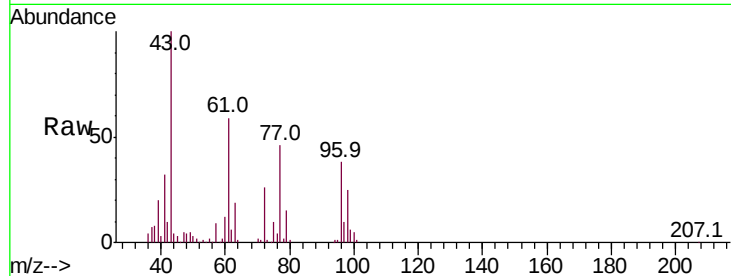
VN1119WBS02

Tot Ion: 43 Resp: 164418

Ion Ratio Lower Upper

43 100

72 25.9 19.7 29.5



#26

2,2-Dichloropropane

Concen: 17.107 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064754.D

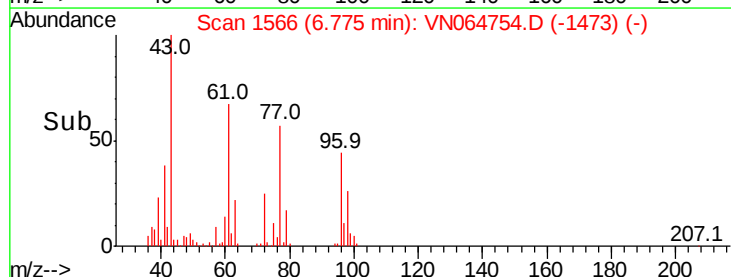
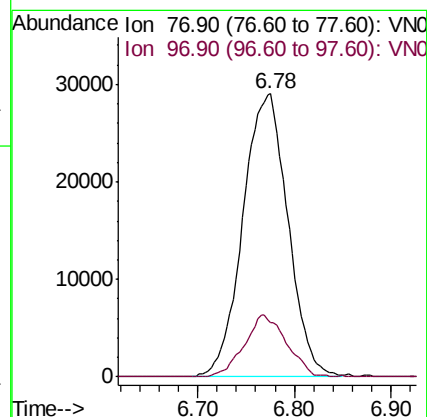
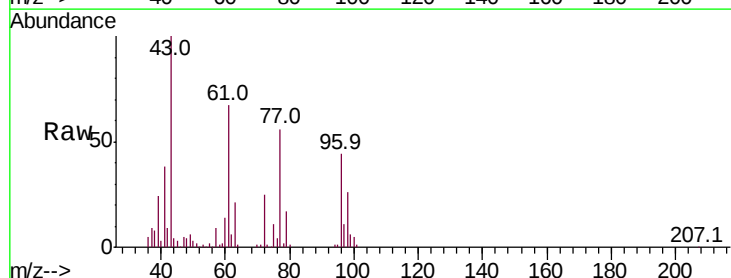
Acq: 20 Nov 2020 2:16

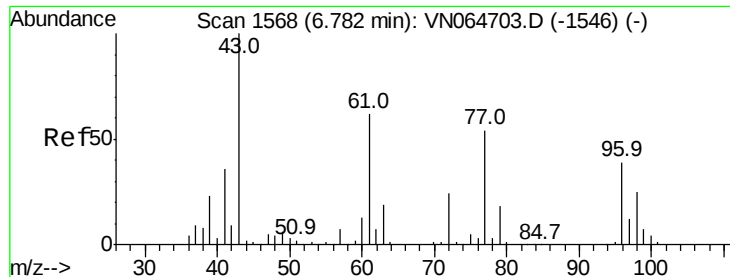
Tgt Ion: 77 Resp: 93870

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.430 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

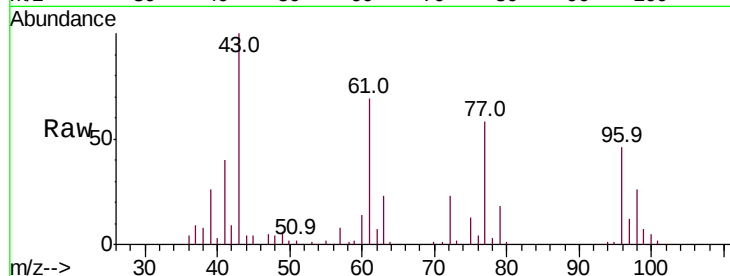
Tot Ion: 96 Resp: 64970

Ion Ratio Lower Upper

96 100

61 156.4 0.0 322.6

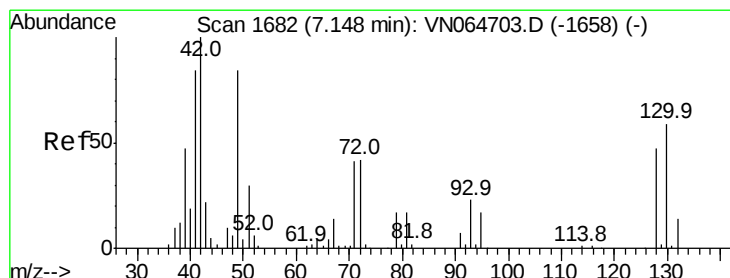
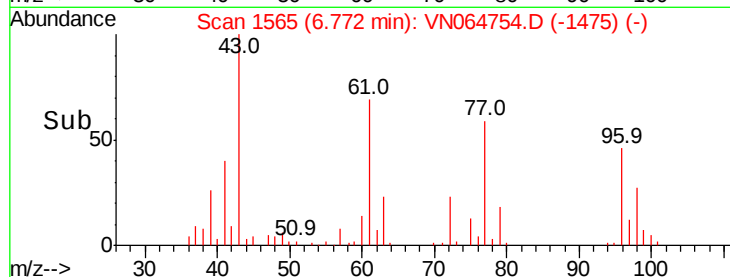
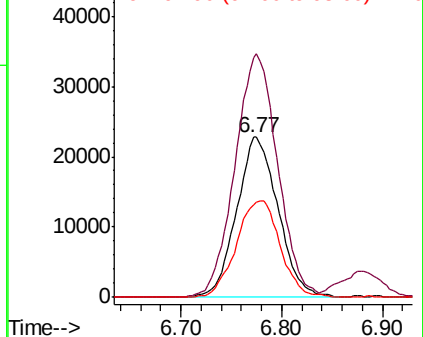
98 63.7 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.476 ug/l

RT: 7.15 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

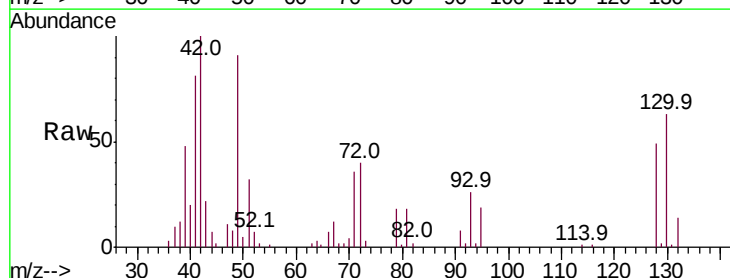
Tgt Ion: 49 Resp: 56709

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

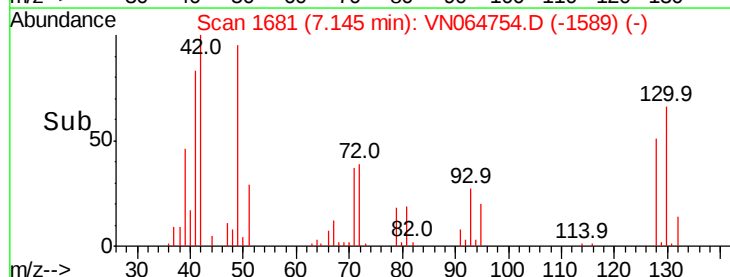
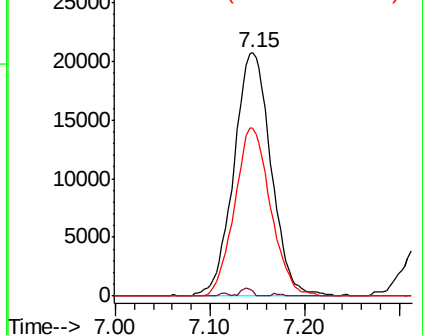
130 66.9 56.2 84.4

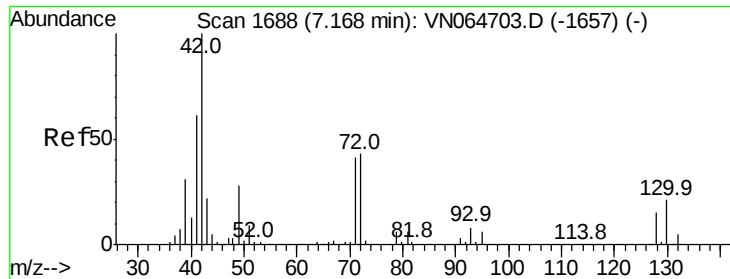


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

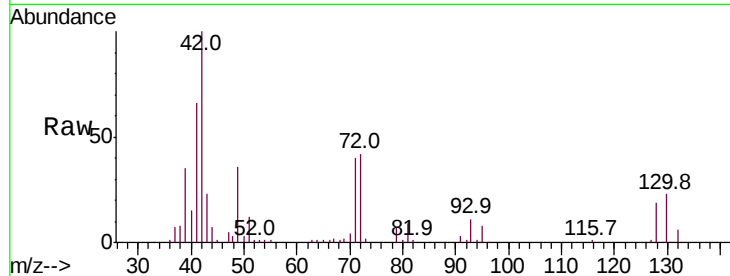




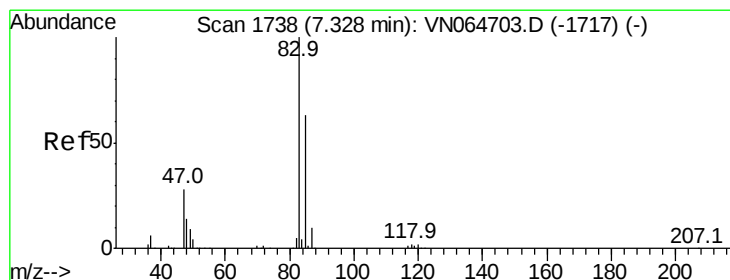
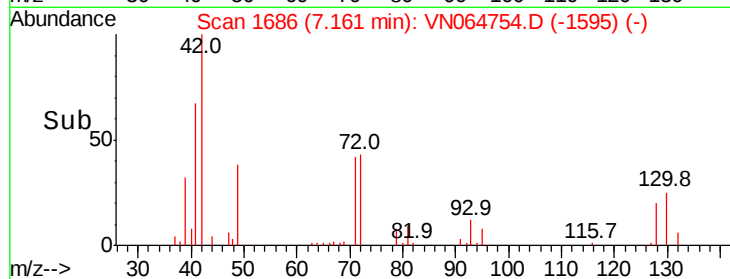
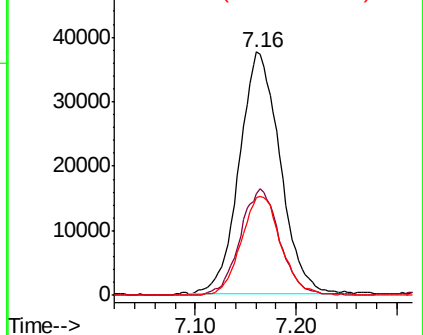
#29
Tetrahydrofuran
Concen: 90.549 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.0	49.4
71	40.2	31.8	47.6

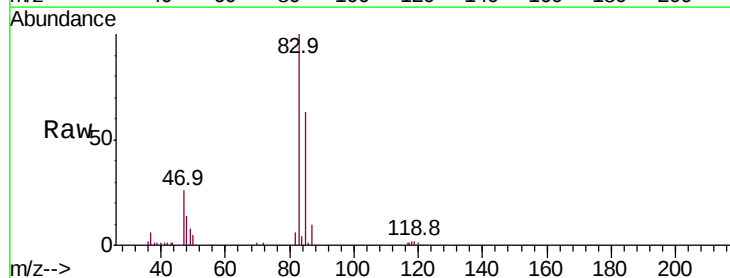


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

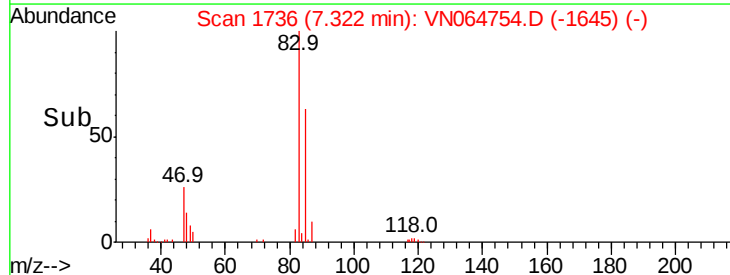
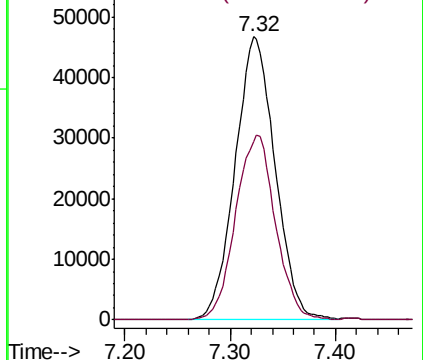


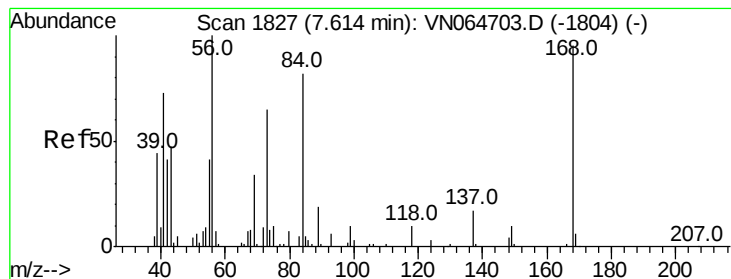
#30
Chloroform
Concen: 19.636 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC





#31

Cyclohexane

Concen: 18.487 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

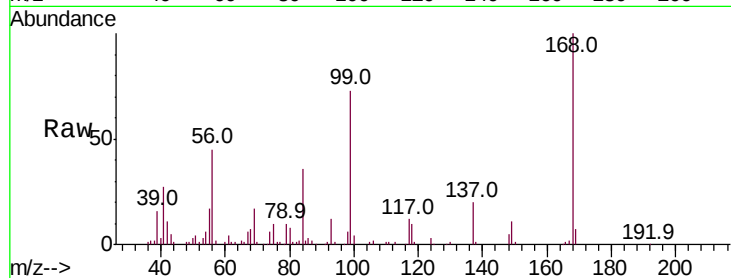
Tot Ion: 56 Resp: 88893

Ion Ratio Lower Upper

56 100

69 36.9 27.2 40.8

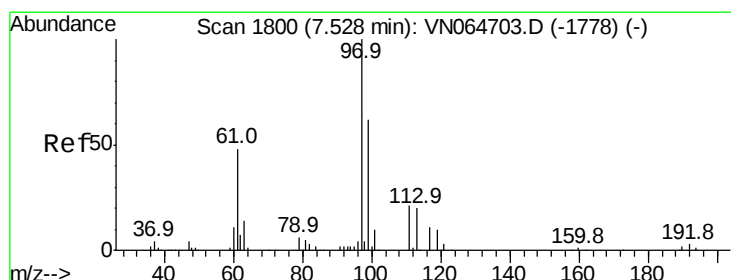
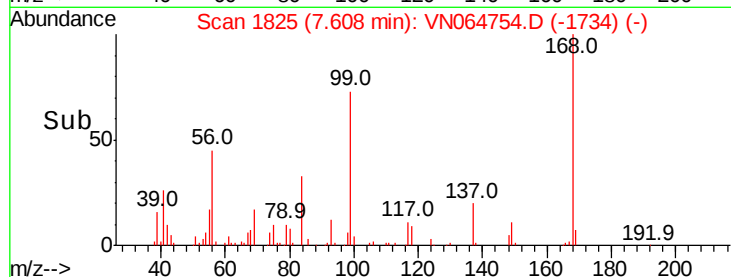
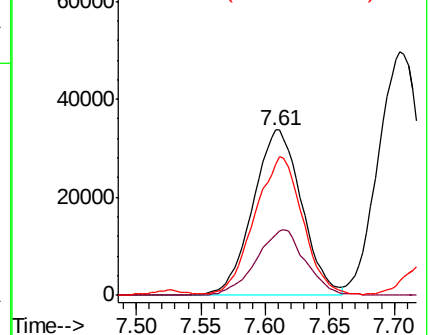
84 78.1 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VN064754.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064754.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064754.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 19.317 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

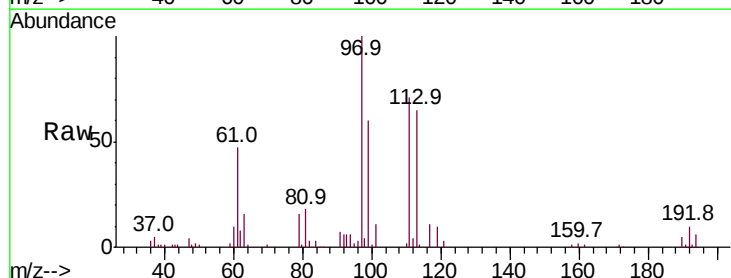
Tgt Ion: 97 Resp: 110800

Ion Ratio Lower Upper

97 100

99 61.7 50.6 76.0

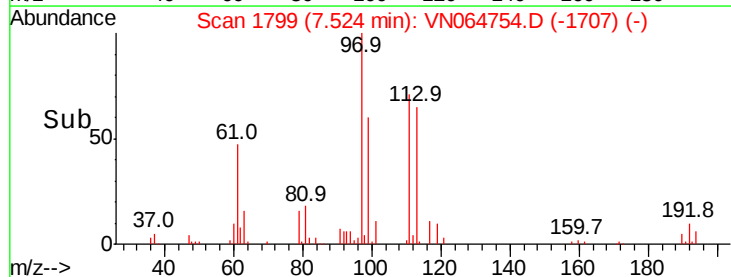
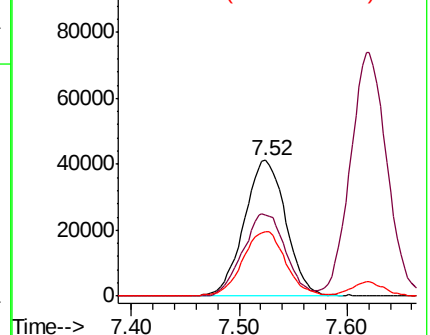
61 48.6 38.3 57.5

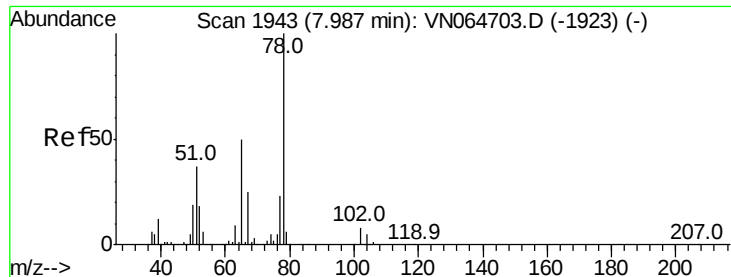


Abundance Ion 96.90 (96.60 to 97.60): VN064754.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064754.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064754.D (-1707) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.727 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

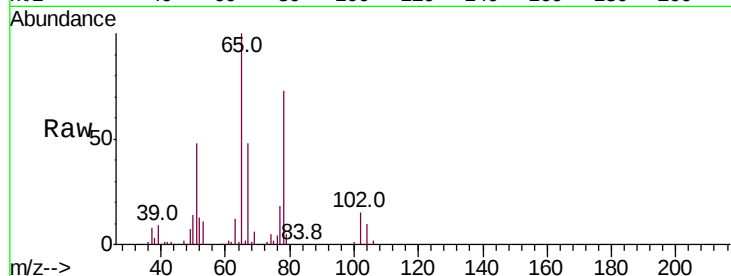
VN1119WBS02

Tot Ion: 65 Resp: 221168

Ion Ratio Lower Upper

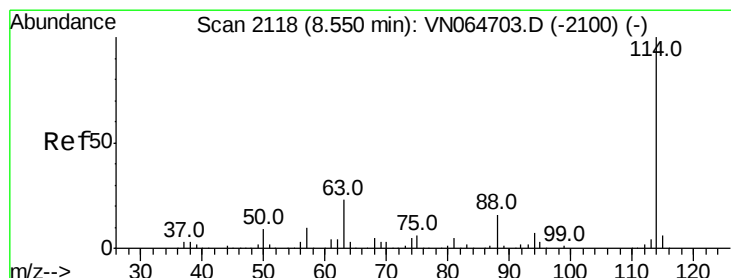
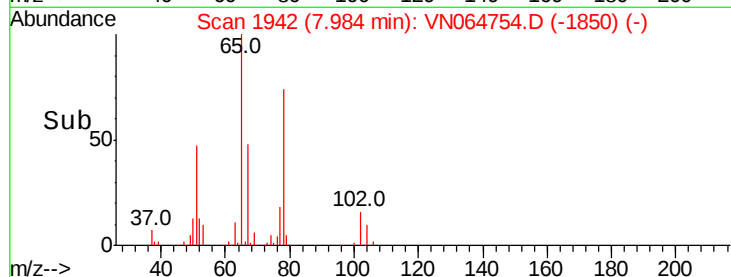
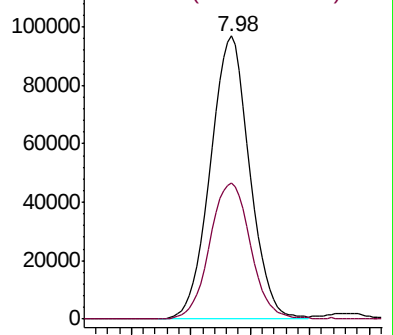
65 100

67 50.0 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064703.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064703.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

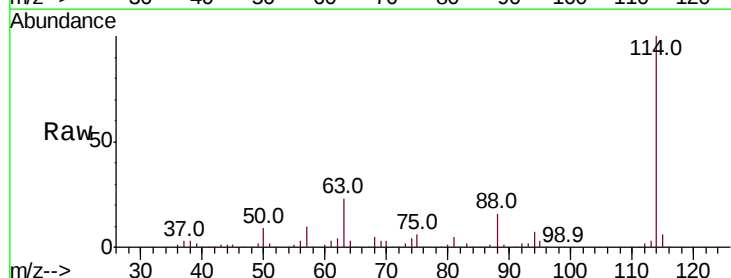
Tgt Ion: 114 Resp: 492230

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

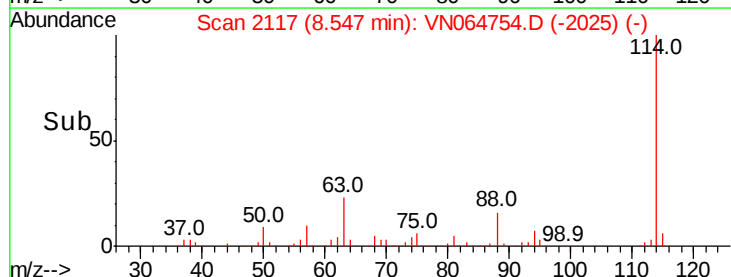
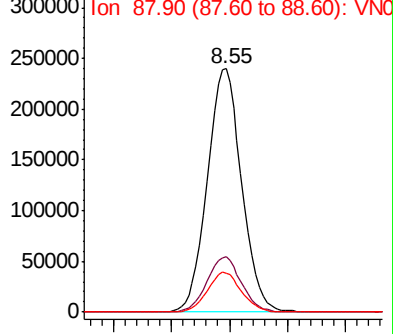
88 16.2 0.0 31.2

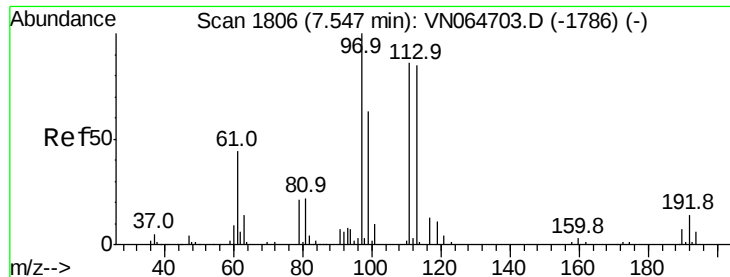


Abundance Ion 113.90 (113.60 to 114.60): VN064703.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064703.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064703.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 51.191 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

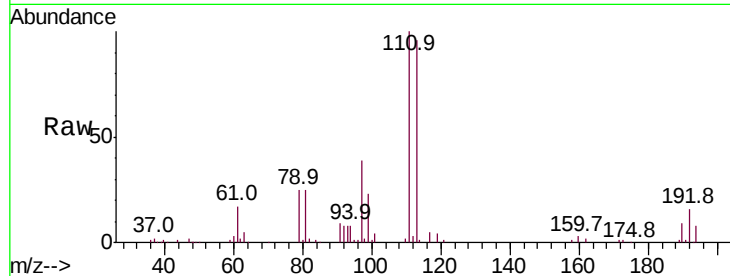
Tot Ion:113 Resp: 143420

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

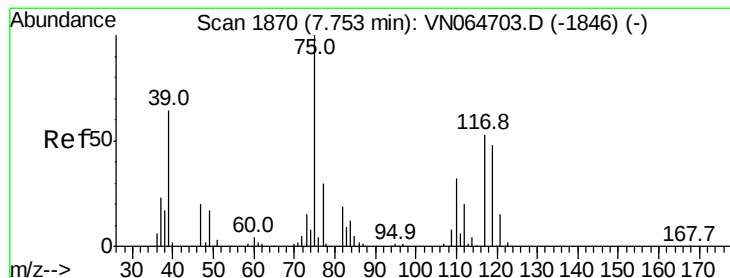
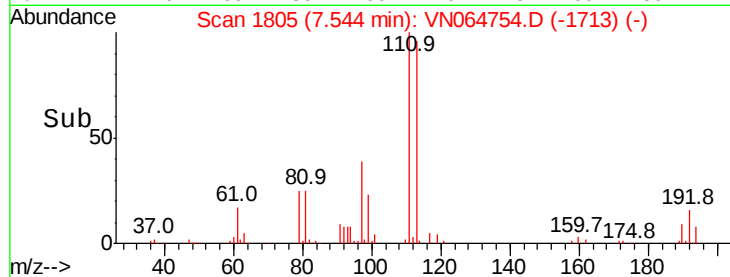
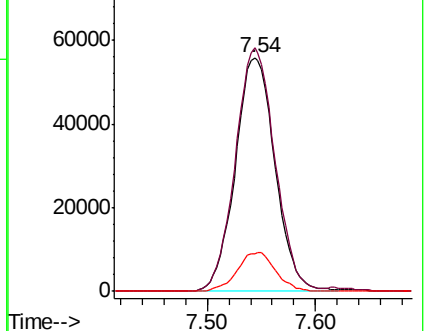
192 16.2 12.7 19.1



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: 17.020 ug/l

RT: 7.75 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

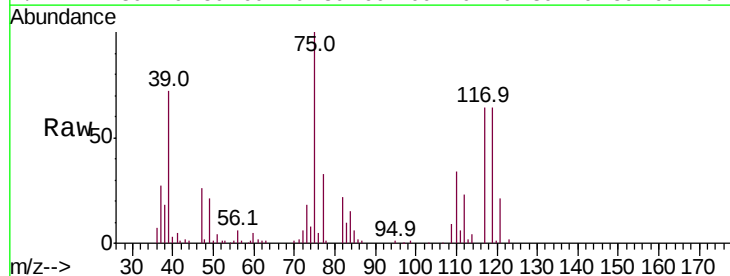
Tgt Ion: 75 Resp: 86192

Ion Ratio Lower Upper

75 100

110 34.0 16.2 48.6

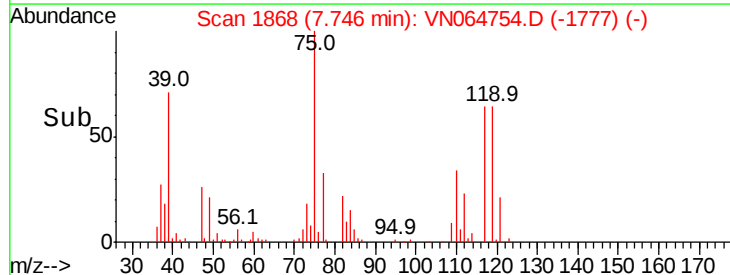
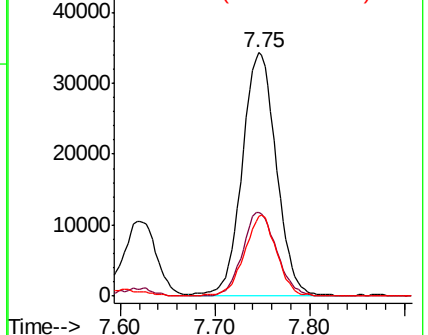
77 31.2 24.4 36.6

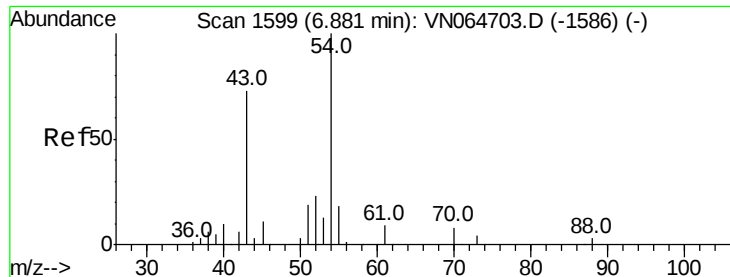


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

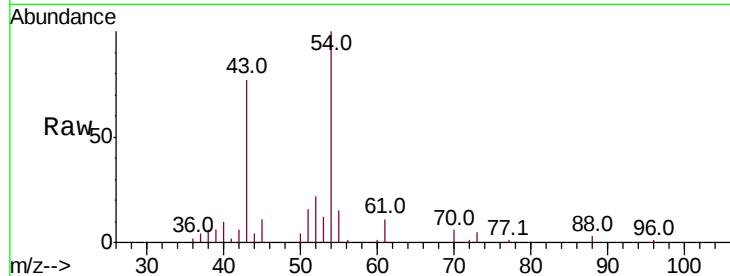




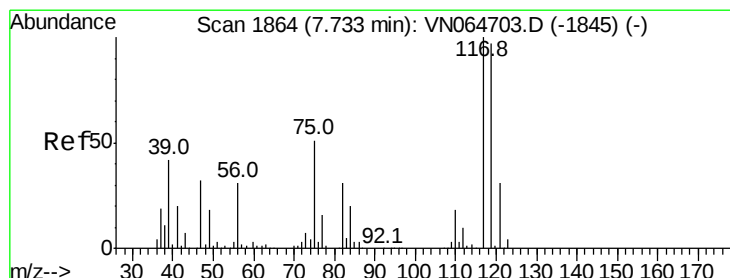
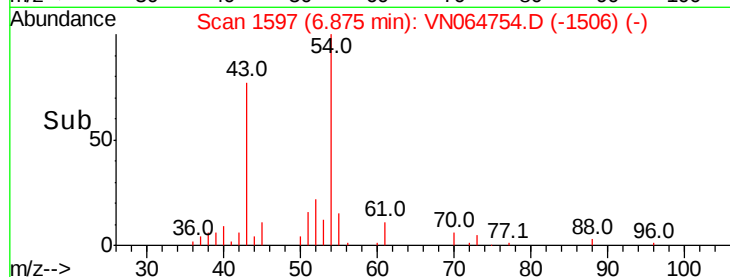
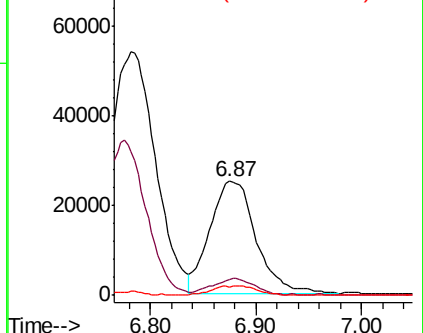
#37
Ethyl Acetate
Concen: 18.073 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

Tot Ion: 43 Resp: 76635
Ion Ratio Lower Upper
43 100
61 12.9 10.4 15.6
70 8.2 7.6 11.4

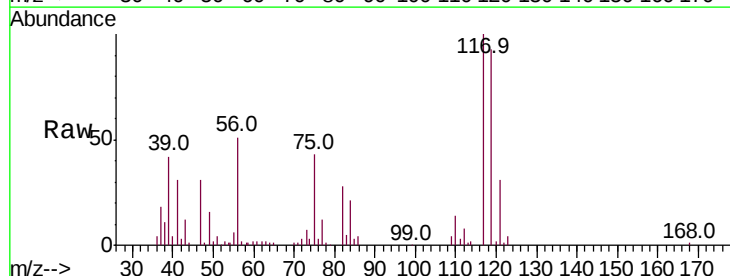


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

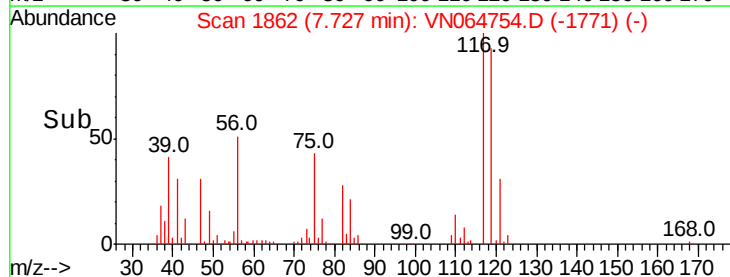
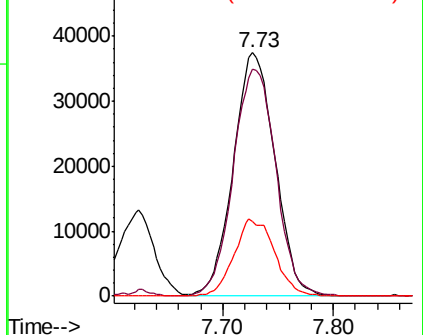


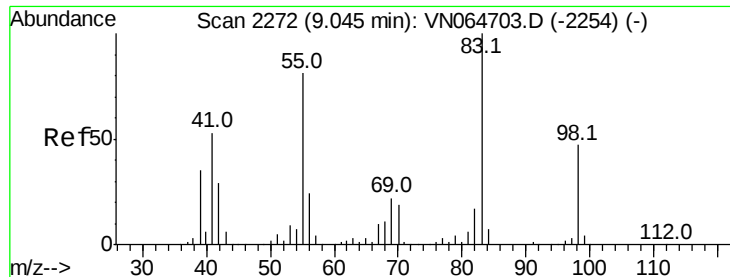
#38
Carbon Tetrachloride
Concen: 18.248 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 117 Resp: 98208
Ion Ratio Lower Upper
117 100
119 93.2 77.8 116.6
121 30.6 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

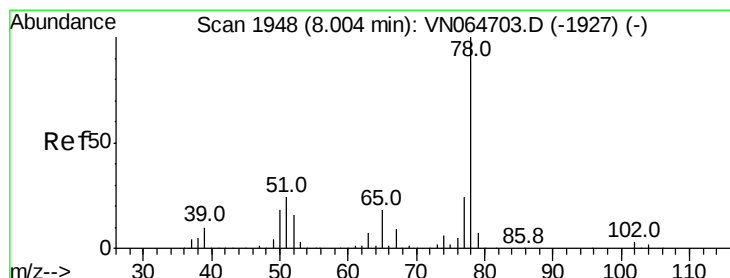
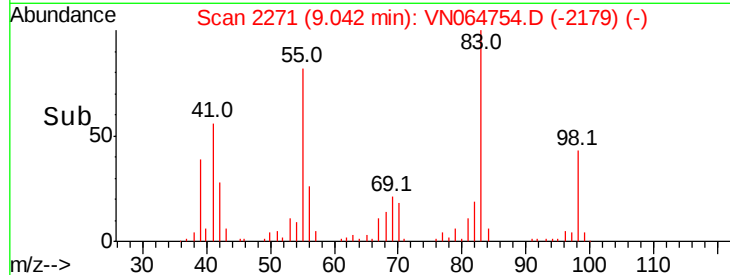
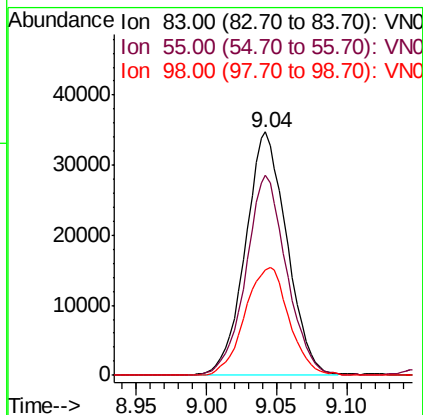
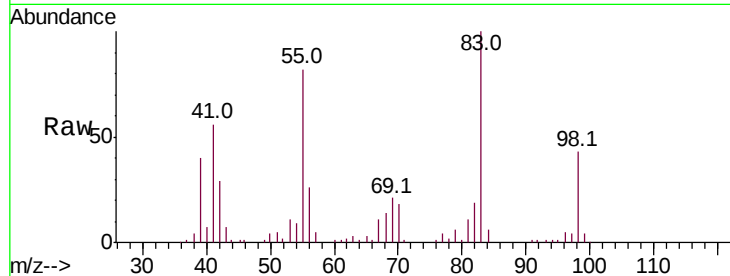




#39
Methvlcvclohexane
Concen: 15.914 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

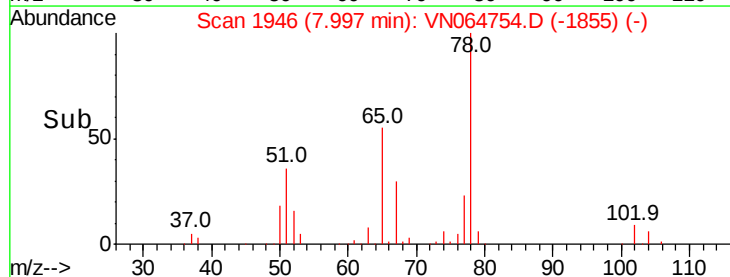
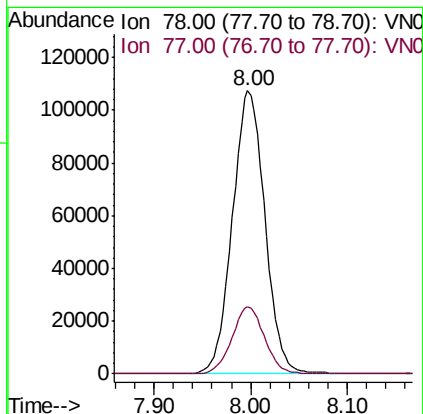
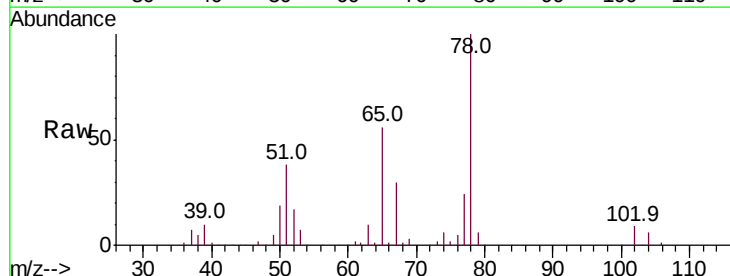
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

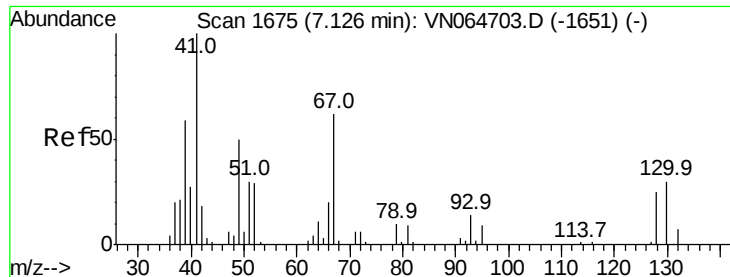
Tot Ion: 83 Resp: 71409
Ion Ratio Lower Upper
83 100
55 82.0 64.6 97.0
98 43.2 37.7 56.5



#40
Benzene
Concen: 17.763 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 78 Resp: 250636
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 18.573 ug/l

RT: 7.12 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampled :

VN1119WBS02

Tot Ion: 41 Resp: 36097

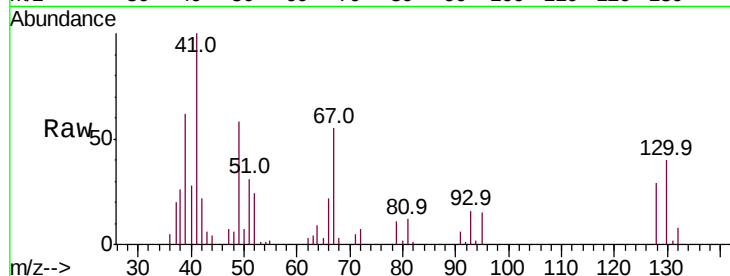
Ion Ratio Lower Upper

41 100

39 65.6 46.0 69.0

67 73.1 67.0 100.4

52 35.8 31.7 47.5

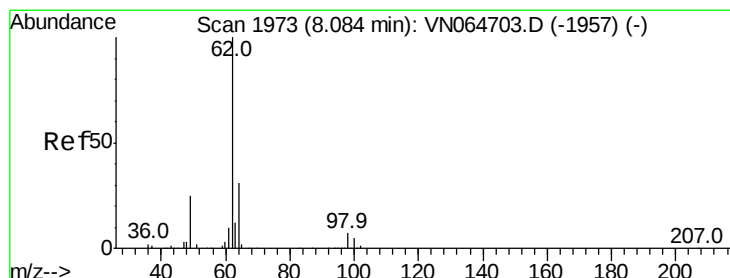
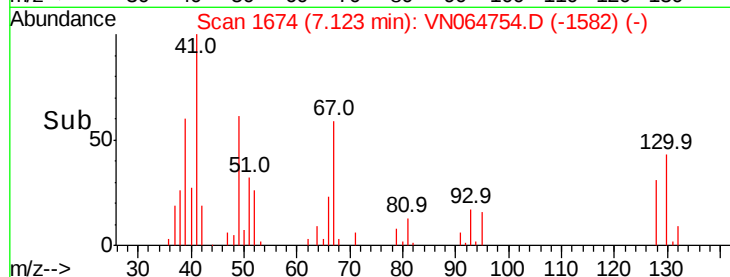
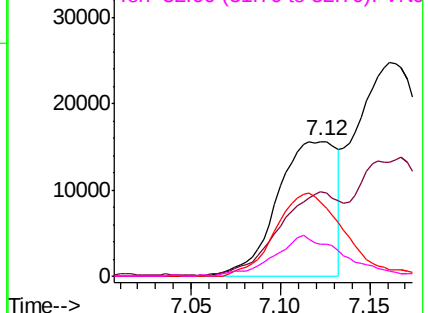


Abundance Ion 41.00 (40.70 to 41.70): VNO

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: 18.099 ug/l

RT: 8.08 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN064754.D

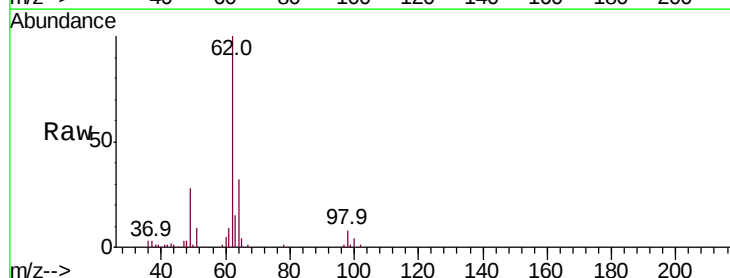
Acq: 20 Nov 2020 2:16

Tgt Ion: 62 Resp: 109878

Ion Ratio Lower Upper

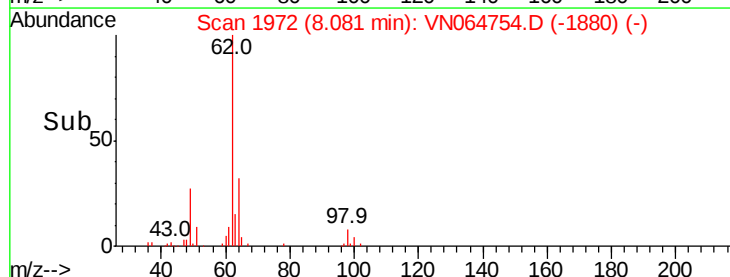
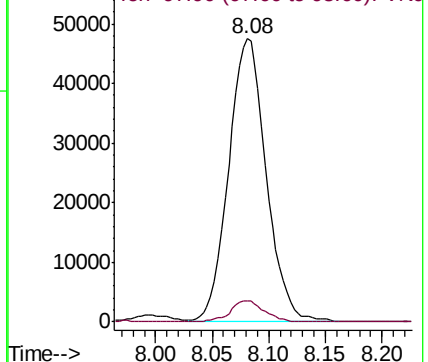
62 100

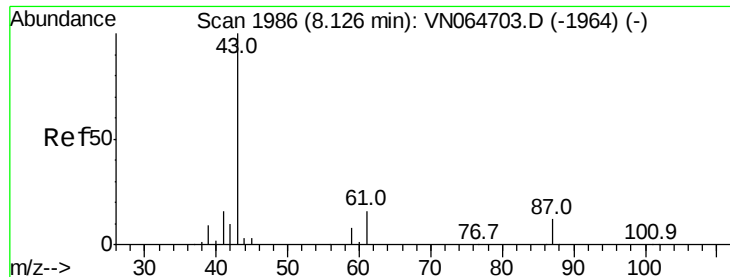
98 6.8 0.0 13.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 15.962 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

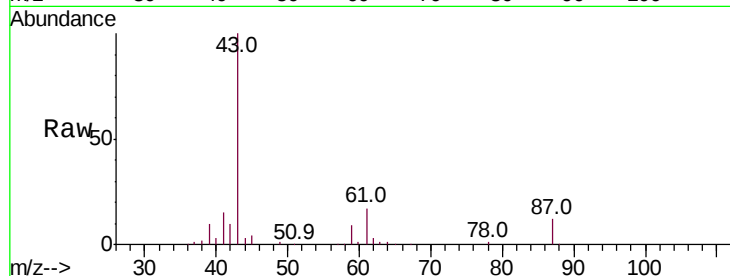
Tot Ion: 43 Resp: 131191

Ion Ratio Lower Upper

43 100

61 17.8 14.1 21.1

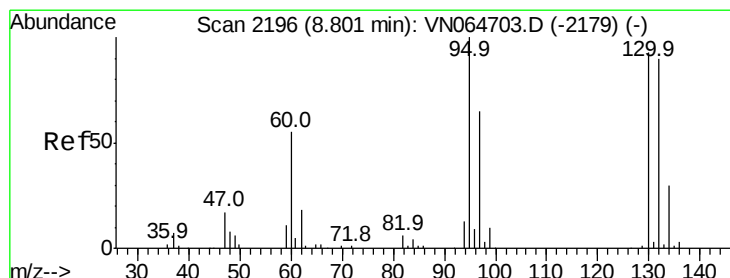
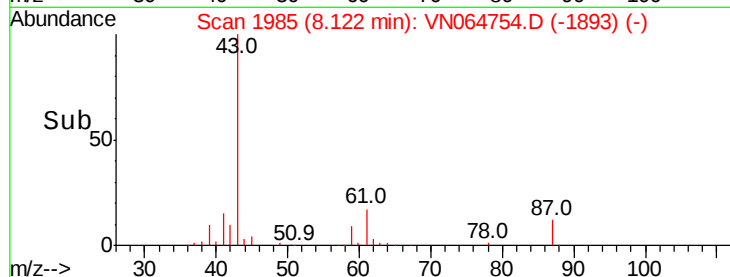
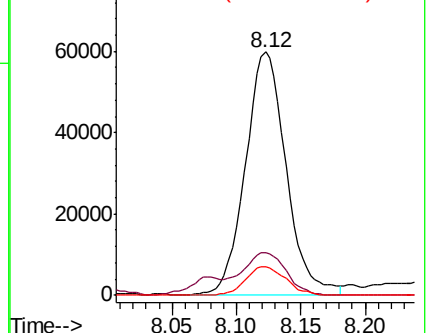
87 11.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN064703.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN064703.D (-1964) (-)



#44

Trichloroethene

Concen: 18.632 ug/l

RT: 8.79 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN064754.D

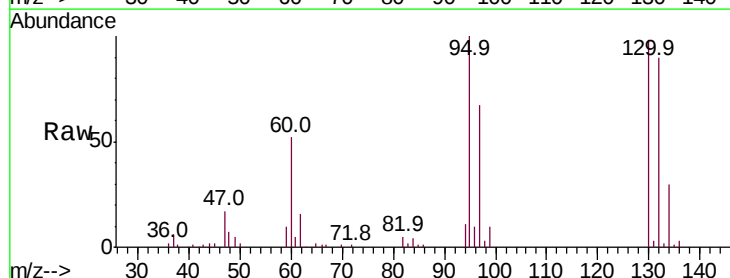
Acq: 20 Nov 2020 2:16

Tgt Ion:130 Resp: 75447

Ion Ratio Lower Upper

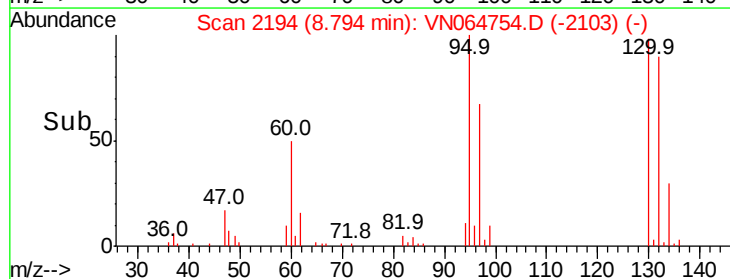
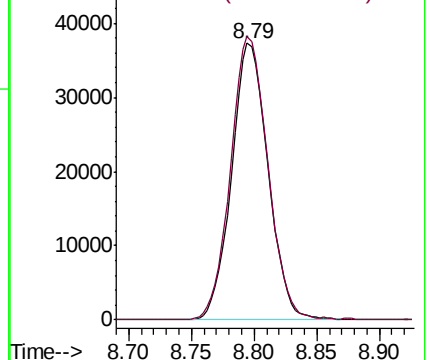
130 100

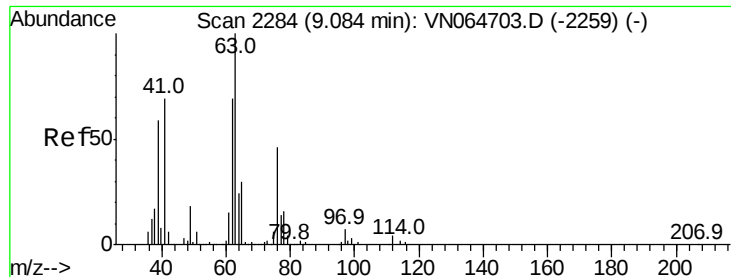
95 102.2 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): VN064703.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064703.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 18.091 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

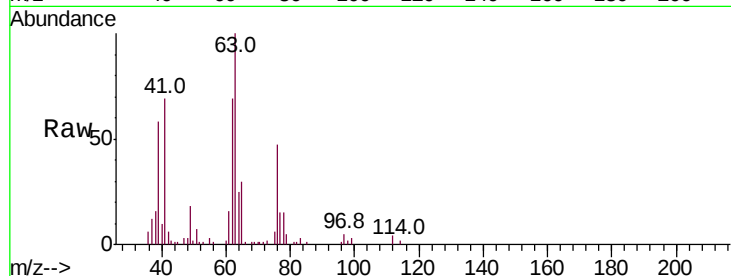
VN1119WBS02

Tot Ion: 63 Resp: 68042

Ion Ratio Lower Upper

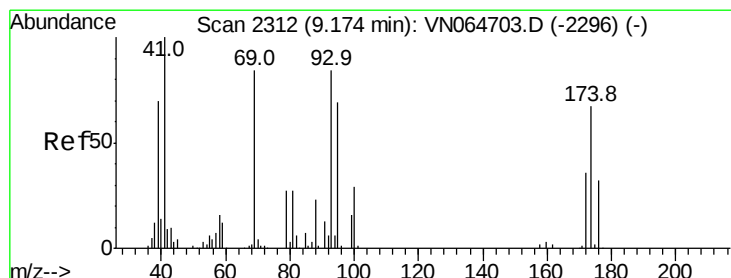
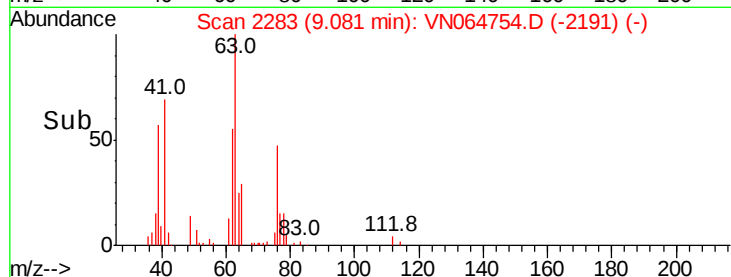
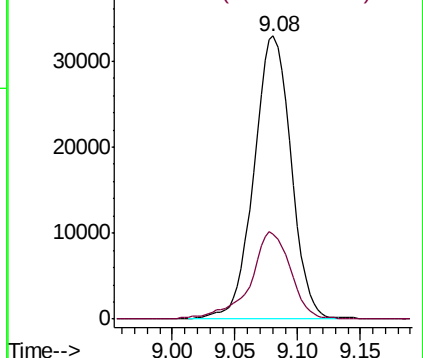
63 100

65 30.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 17.701 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

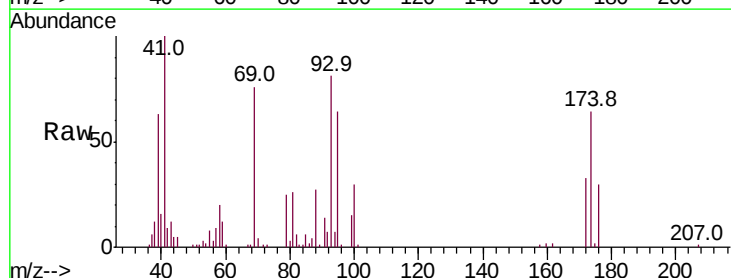
Tgt Ion: 93 Resp: 47192

Ion Ratio Lower Upper

93 100

95 79.8 64.6 97.0

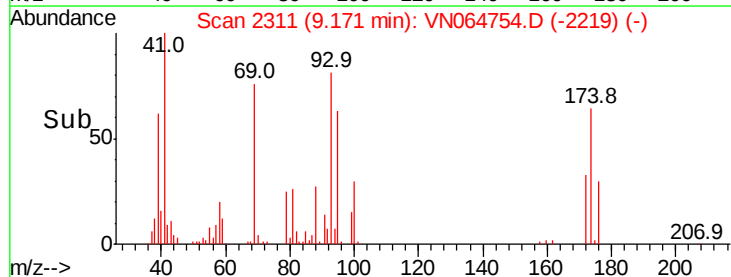
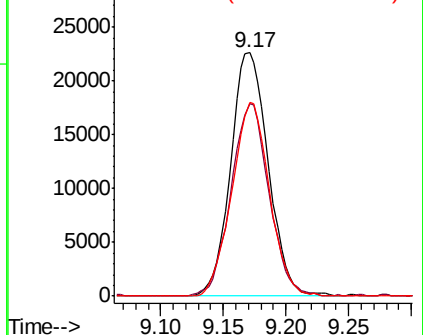
174 79.4 64.3 96.5

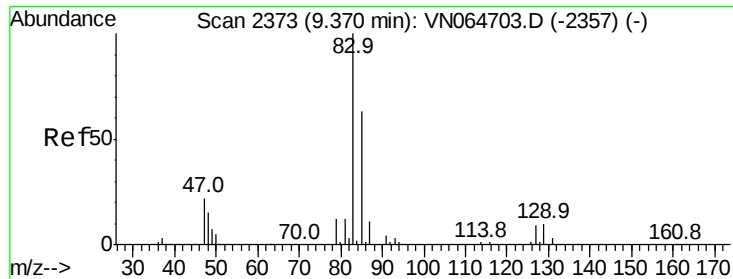


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 17.933 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

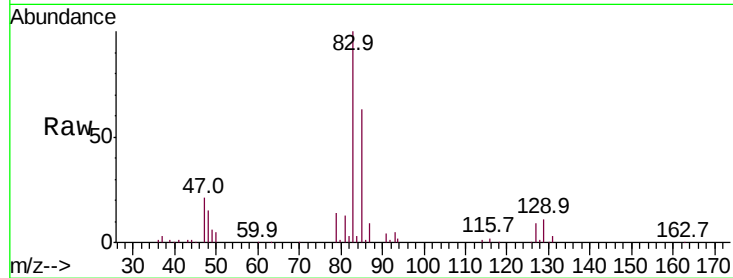
Tot Ion: 83 Resp: 100512

Ion Ratio Lower Upper

83 100

85 63.1 50.8 76.2

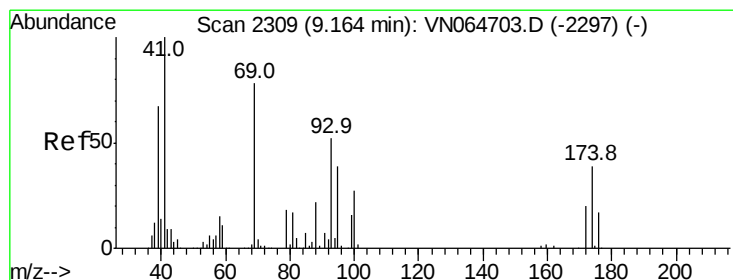
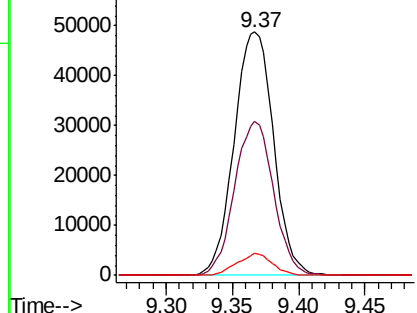
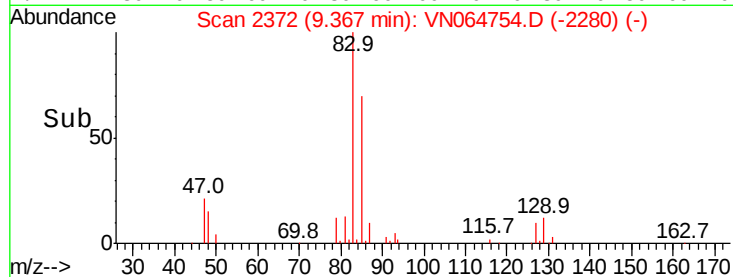
127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 15.960 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

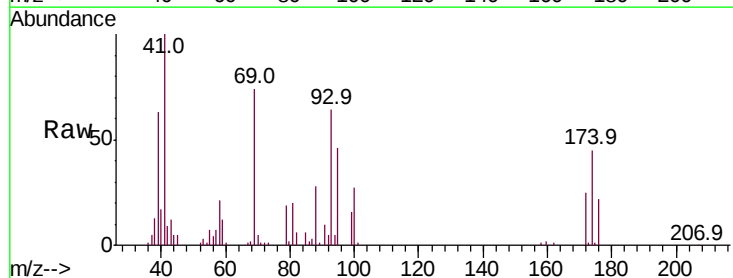
Tgt Ion: 41 Resp: 61895

Ion Ratio Lower Upper

41 100

69 76.6 62.3 93.5

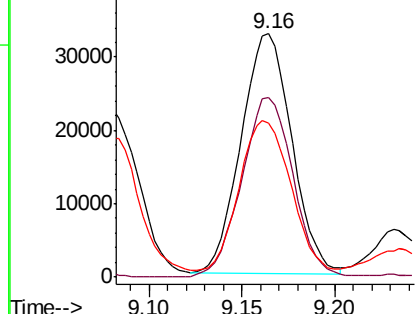
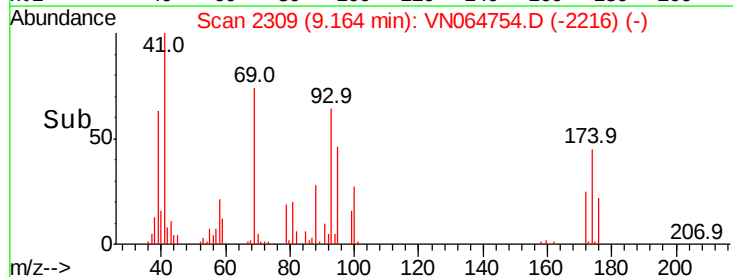
39 67.7 55.1 82.7

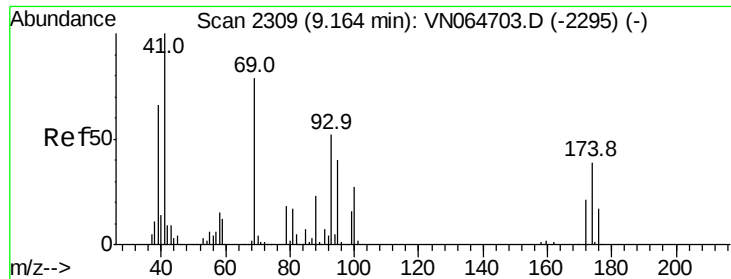


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

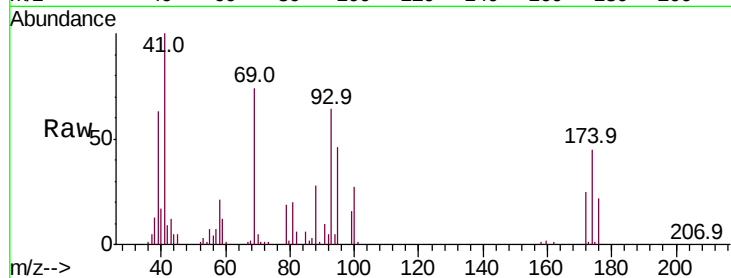




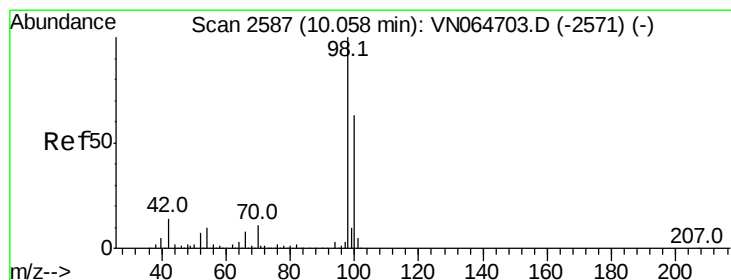
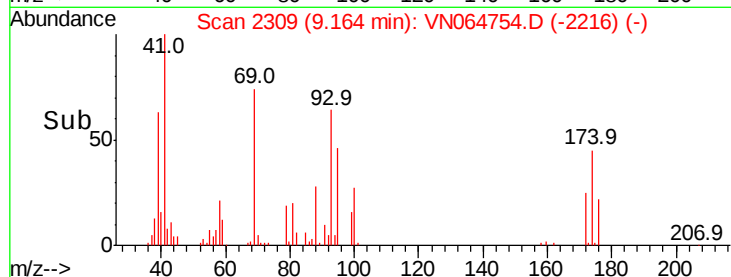
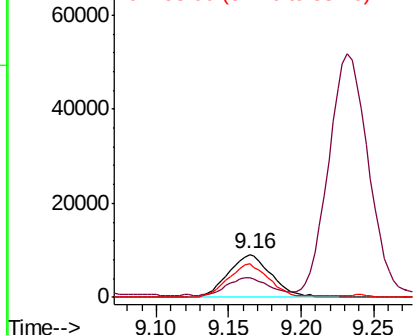
#49
1,4-Dioxane
Concen: 387.098 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

Tot Ion: 88 Resp: 18729
Ion Ratio Lower Upper
88 100
43 38.2 31.3 46.9
58 75.7 55.7 83.5

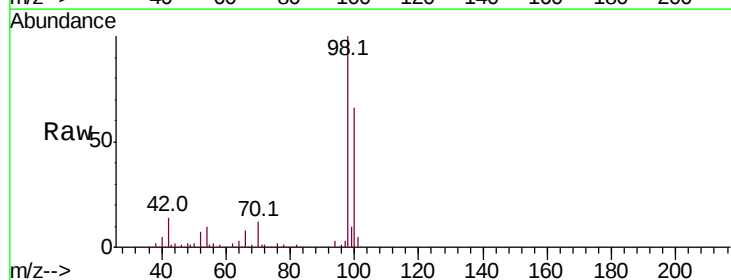


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

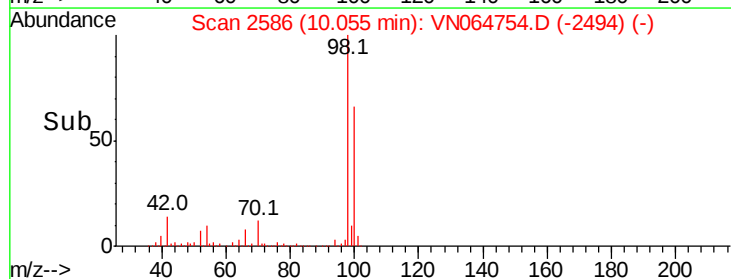
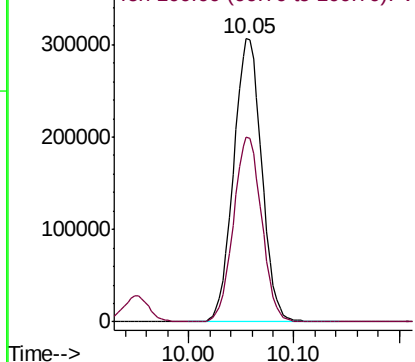


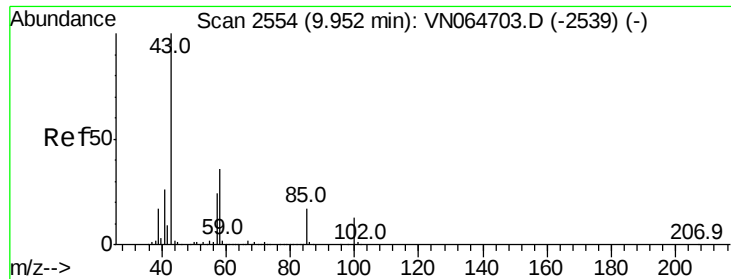
#50
Toluene-d8
Concen: 44.433 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 98 Resp: 565764
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



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: 80.448 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

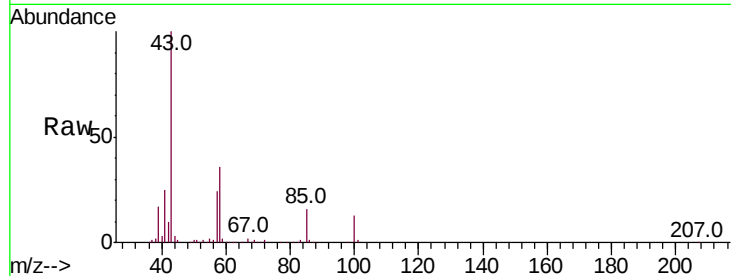
VN1119WBS02

Tot Ion: 43 Resp: 377999

Ion Ratio Lower Upper

43 100

58 35.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

200000

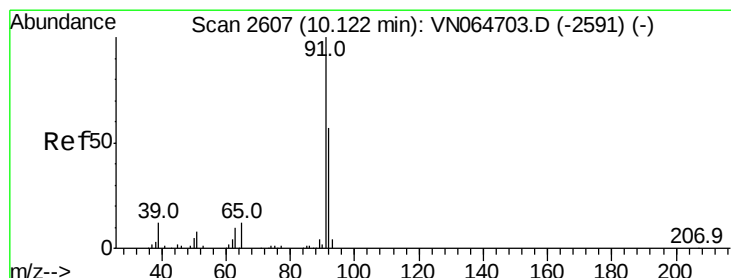
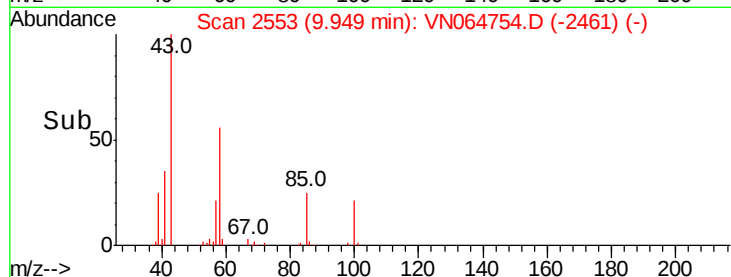
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.950 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN064754.D

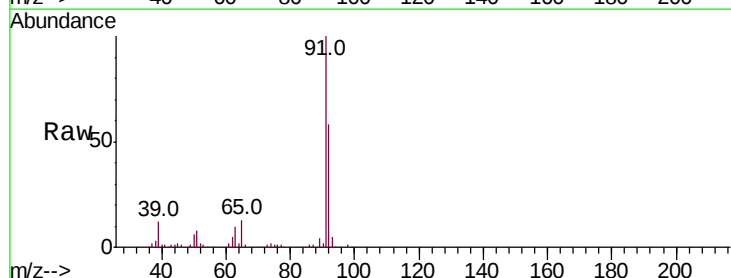
Acq: 20 Nov 2020 2:16

Tgt Ion: 92 Resp: 155991

Ion Ratio Lower Upper

92 100

91 176.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

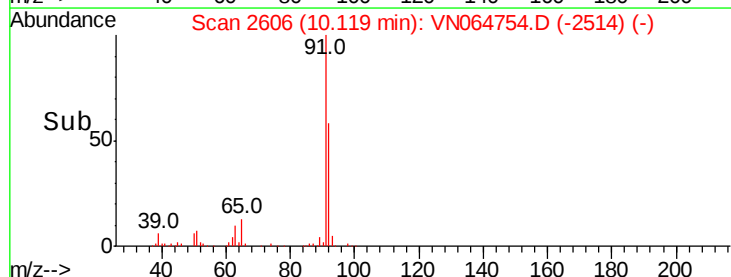
150000

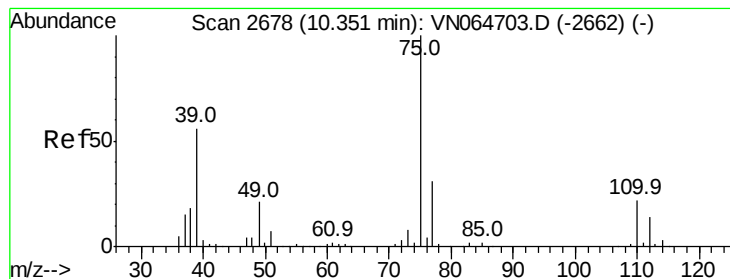
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.027 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

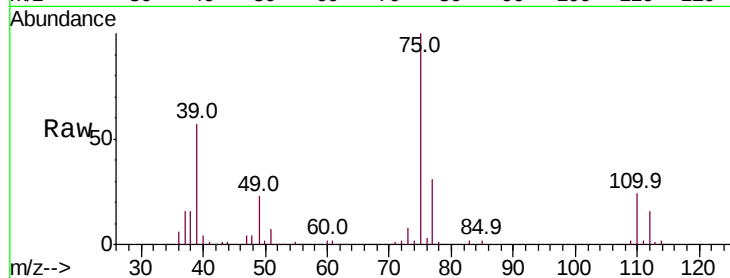
VN1119WBS02

Tot Ion: 75 Resp: 96135

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

60000

50000

40000

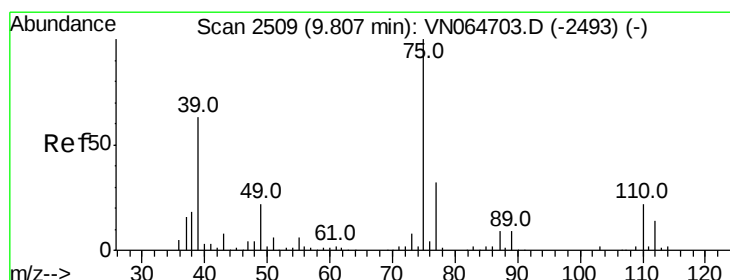
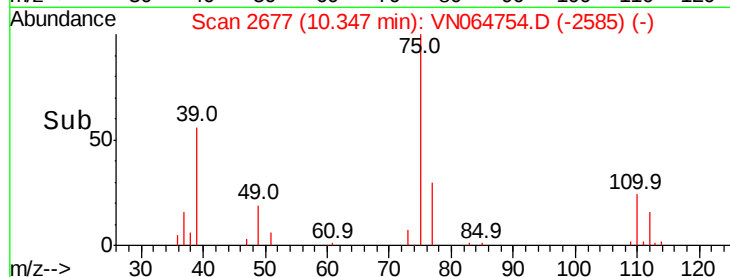
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 16.769 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

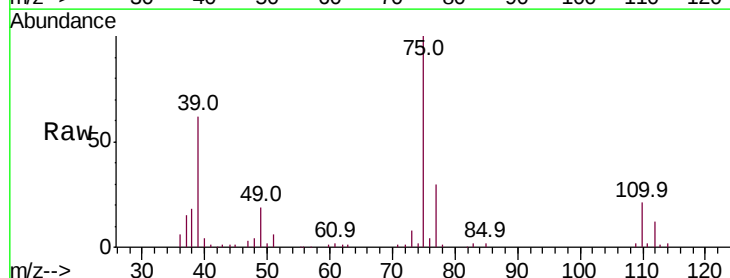
Tgt Ion: 75 Resp: 103573

Ion Ratio Lower Upper

75 100

77 29.9 25.8 38.8

39 62.0 50.5 75.7



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

9.80

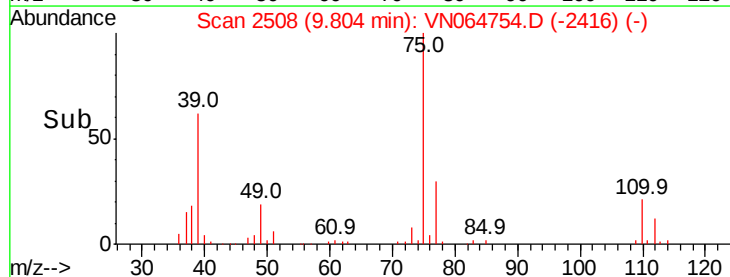
60000

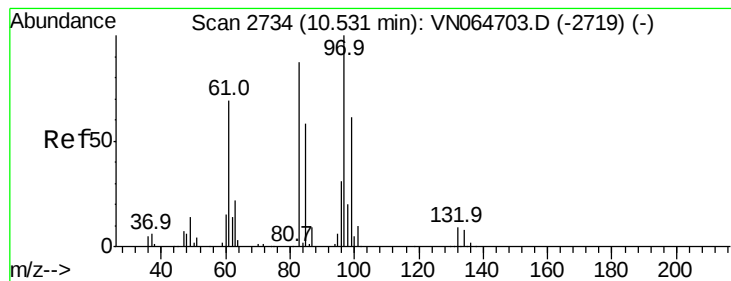
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 17.758 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

Tot Ion: 97 Resp: 61897

Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.6	104.4
85	55.4	46.6	70.0
99	67.1	48.9	73.3

Abundance

Ion 96.90 (96.60 to 97.60): VN0

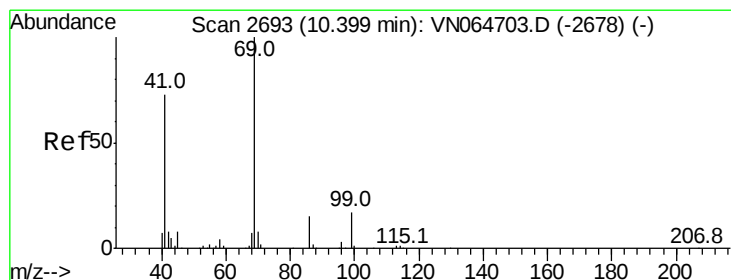
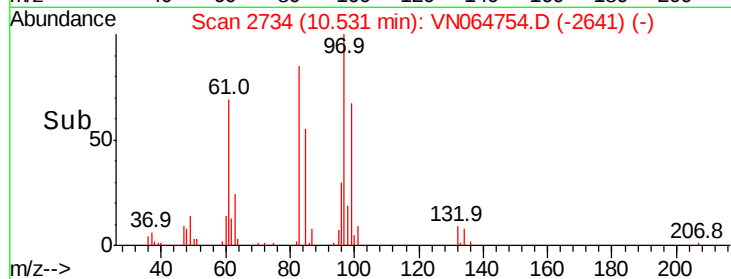
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.53

Time-->



#56

Ethyl methacrylate

Concen: 15.756 ug/l

RT: 10.40 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Tgt Ion: 69 Resp: 79072

Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.0	88.4
39	50.3	38.4	57.6

Abundance

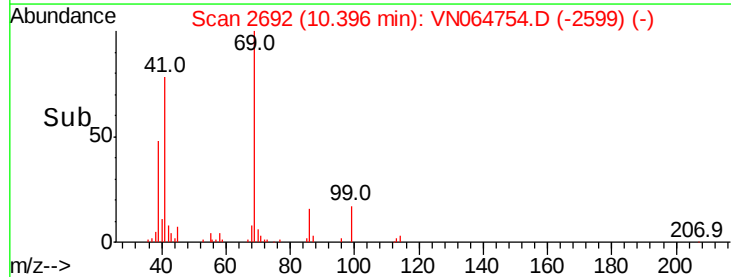
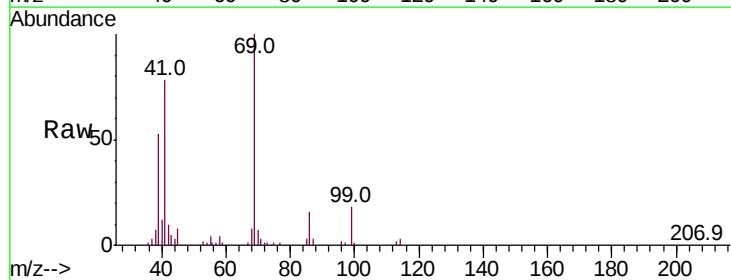
Ion 69.00 (68.70 to 69.70): VN0

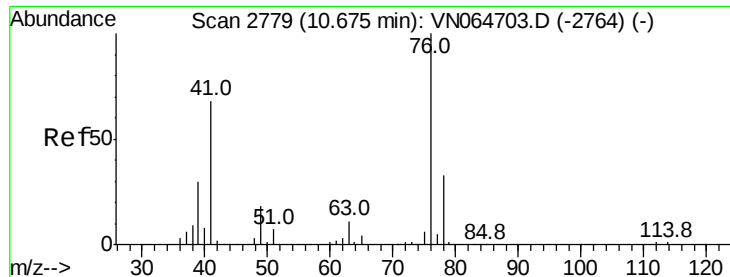
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->





#57

1,3-Dichloropropane

Concen: 17.487 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

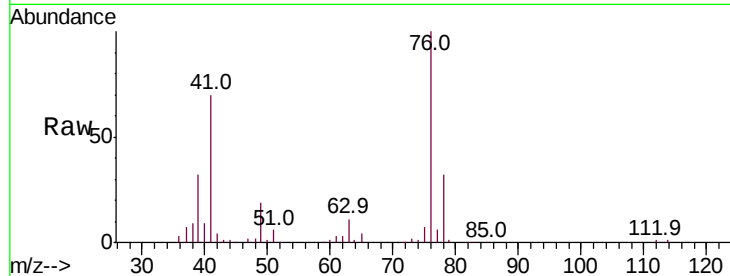
VN1119WBS02

Tot Ion: 76 Resp: 105588

Ion Ratio Lower Upper

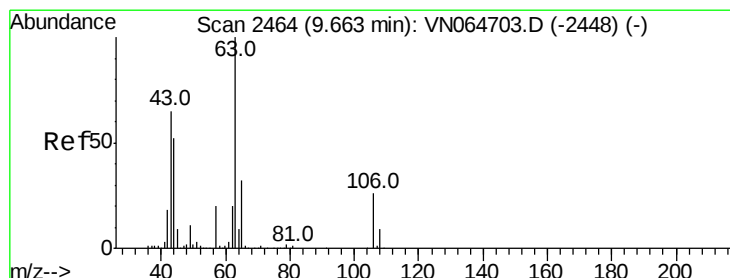
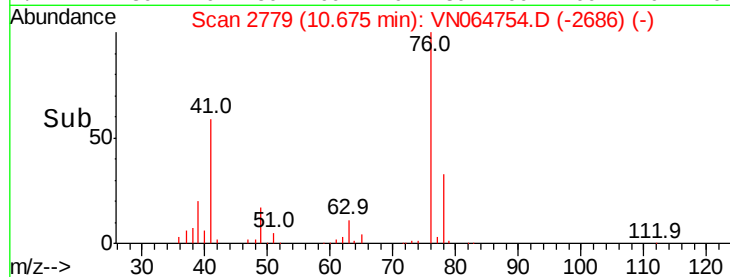
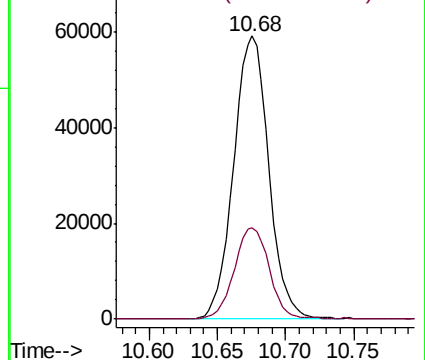
76 100

78 32.3 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 82.785 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064754.D

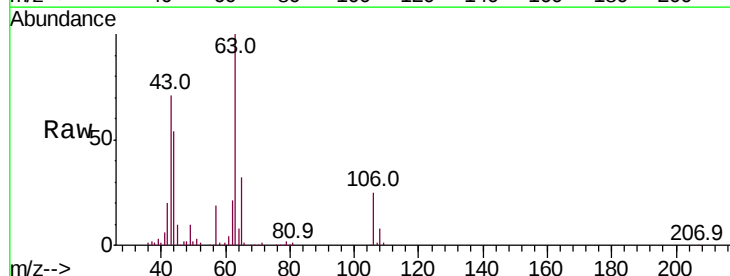
Acq: 20 Nov 2020 2:16

Tgt Ion: 63 Resp: 229662

Ion Ratio Lower Upper

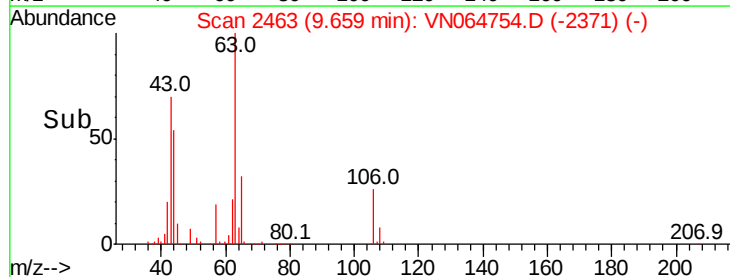
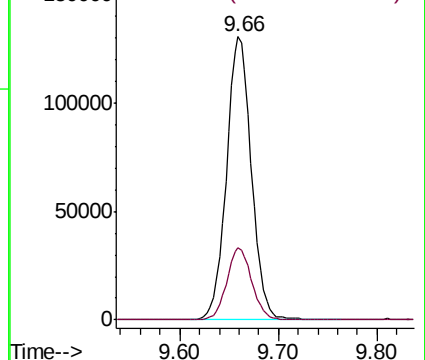
63 100

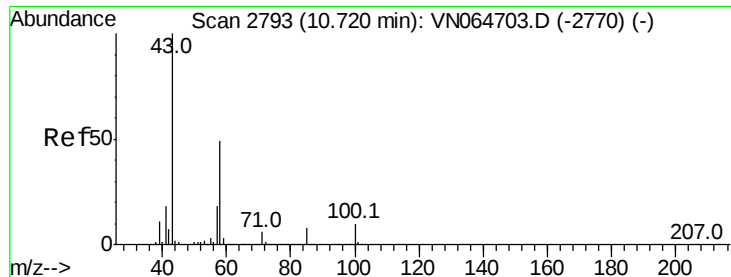
106 25.6 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

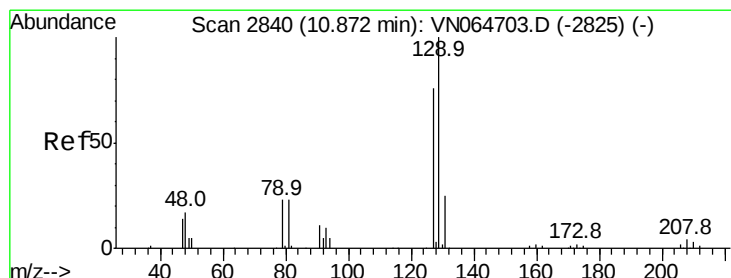
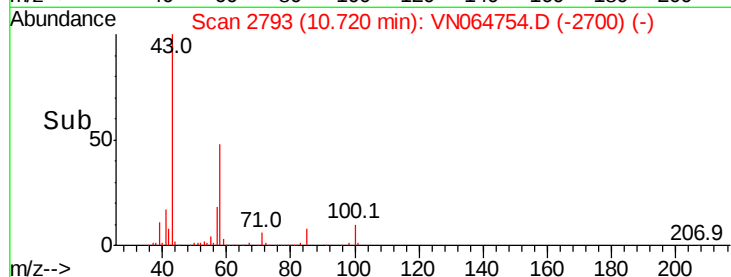
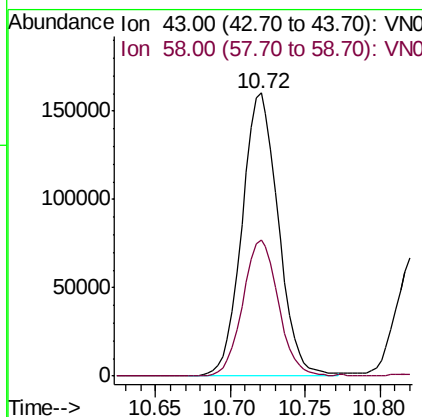
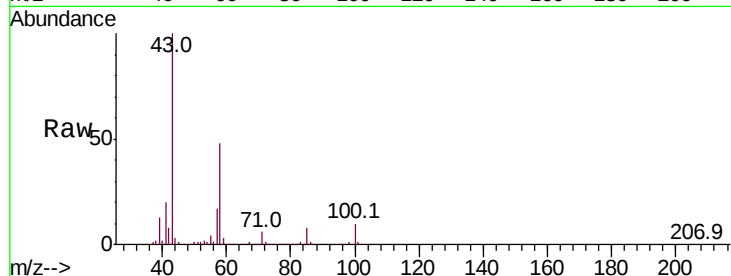




#59
2-Hexanone
Concen: 79.682 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

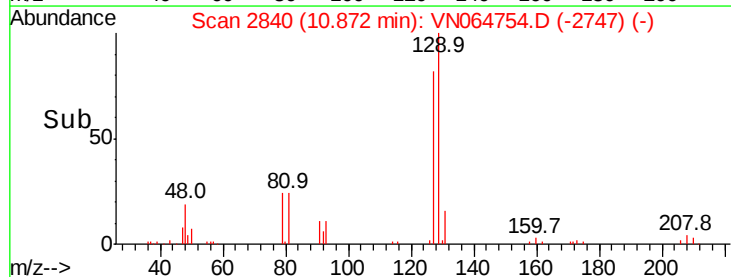
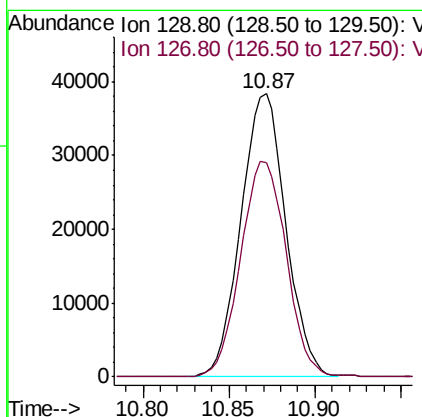
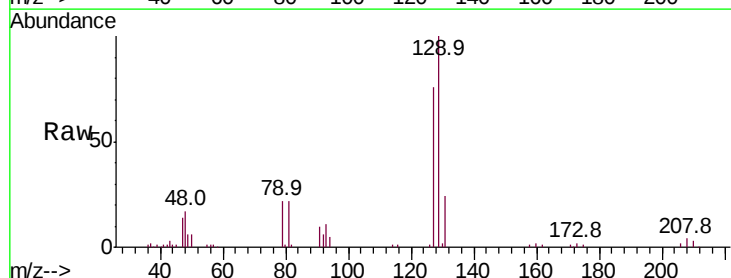
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

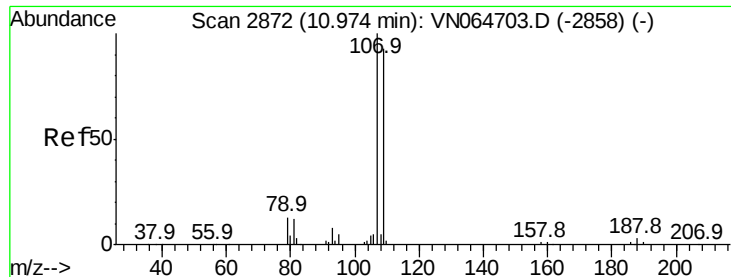
Tot Ion: 43 Resp: 268734
Ion Ratio Lower Upper
43 100
58 47.6 24.4 73.4



#60
Dibromochloromethane
Concen: 17.273 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 129 Resp: 69561
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 16.930 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

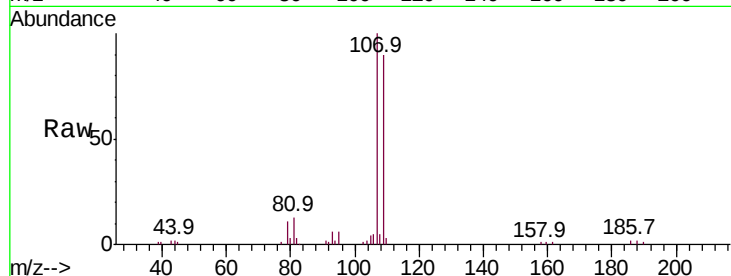
VN1119WBS02

Tot Ion:107 Resp: 62944

Ion Ratio Lower Upper

107 100

109 91.9 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.97

40000

30000

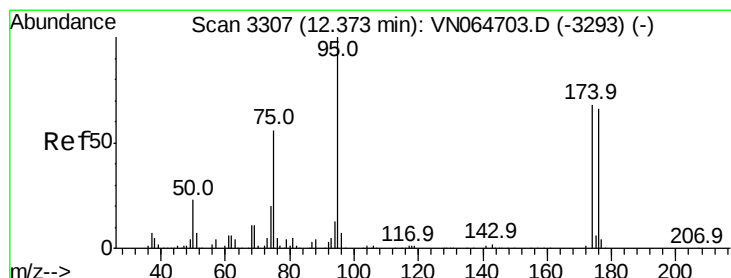
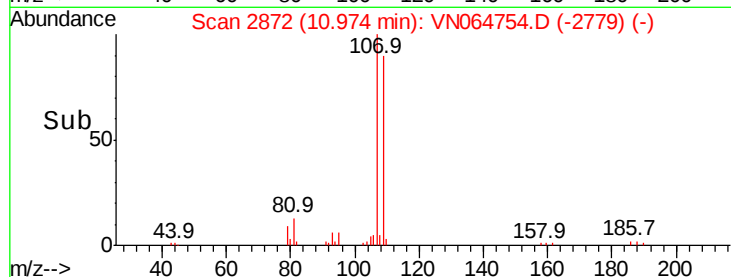
20000

10000

0

Time-->

10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 43.014 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

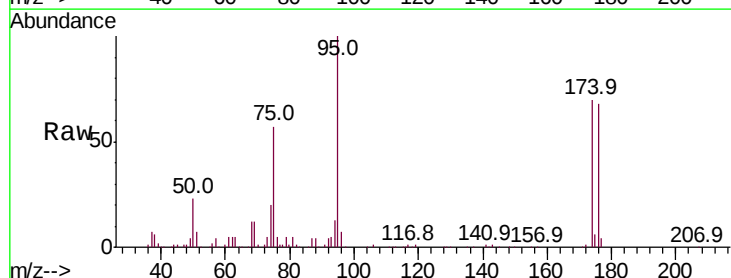
Tgt Ion: 95 Resp: 204719

Ion Ratio Lower Upper

95 100

174 69.4 0.0 136.8

176 68.1 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.37

150000

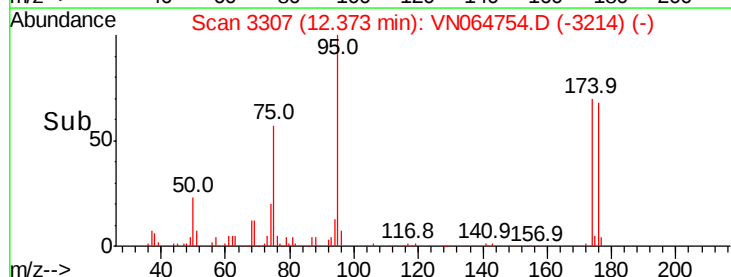
100000

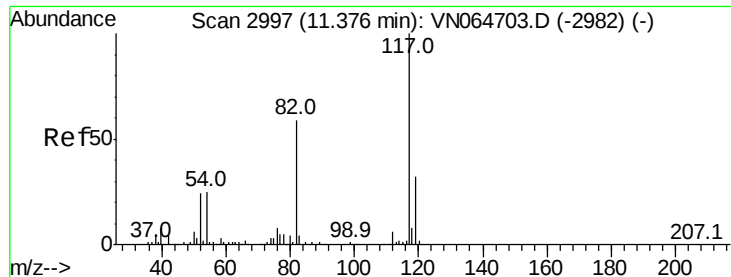
50000

0

Time-->

12.30 12.40

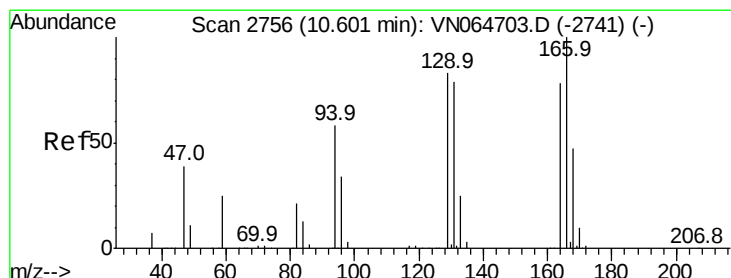
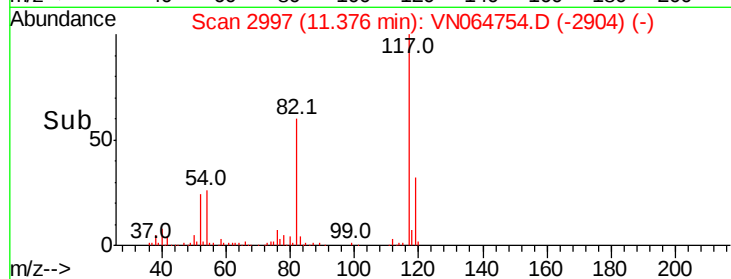
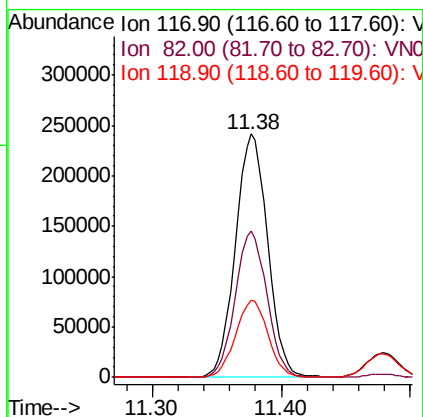
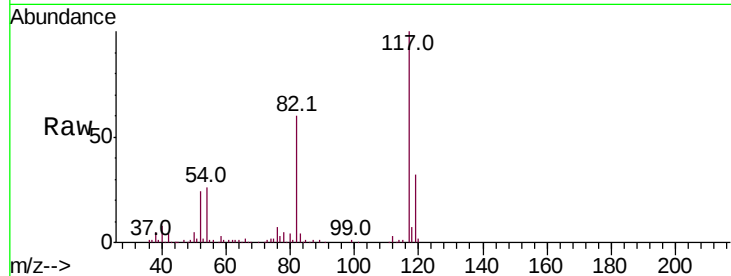




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

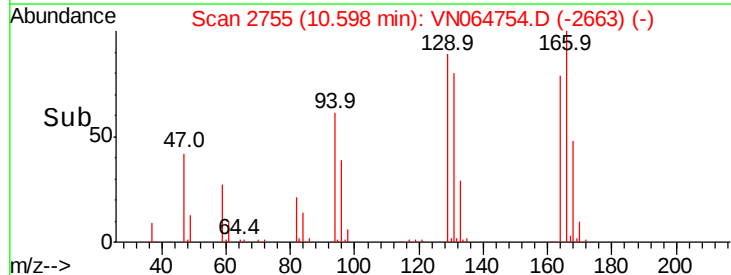
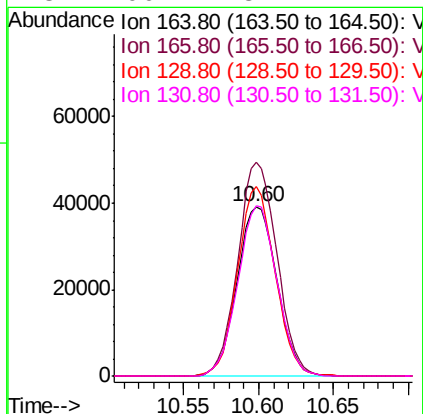
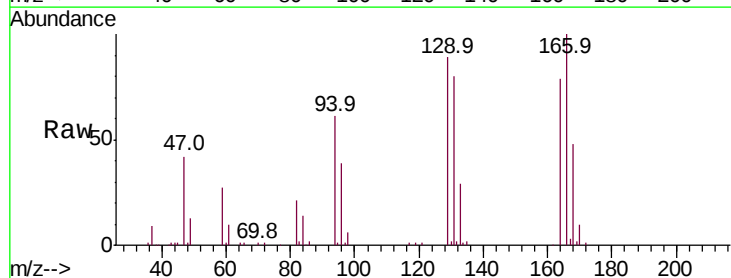
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

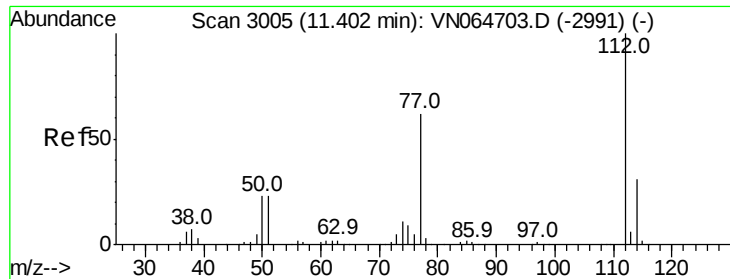
Tot Ion:117 Resp: 419912
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.6
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.537 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion:164 Resp: 72727
Ion Ratio Lower Upper
164 100
166 126.0 102.2 153.4
129 111.7 84.7 127.1
131 100.4 81.1 121.7

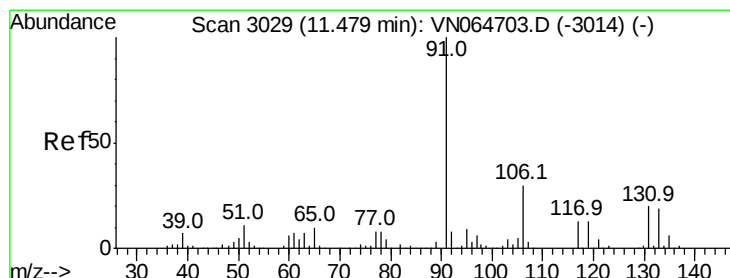
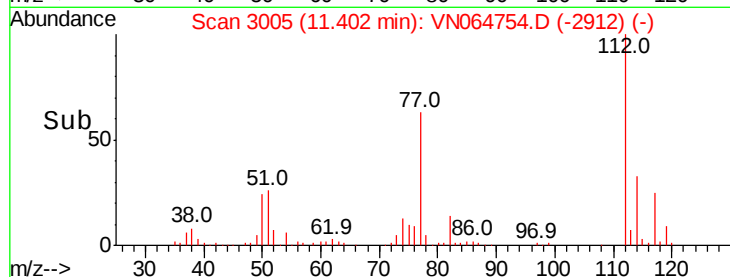
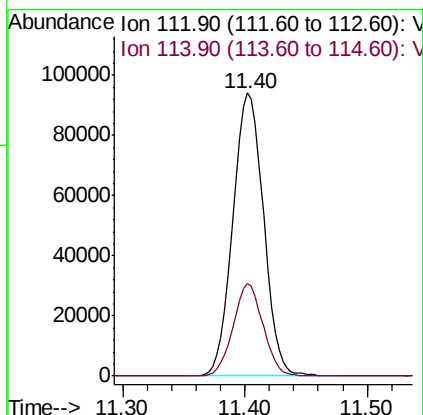
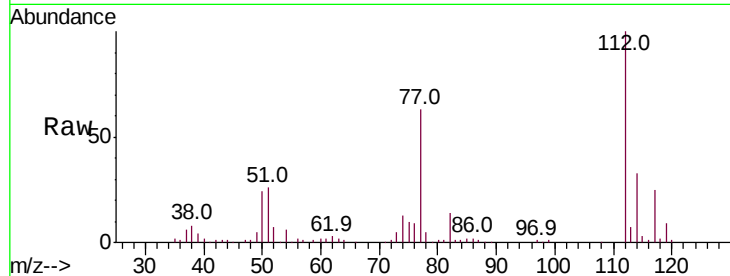




#65
Chlorobenzene
Concen: 18.430 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

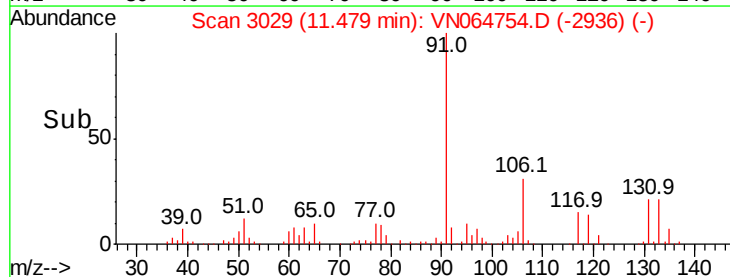
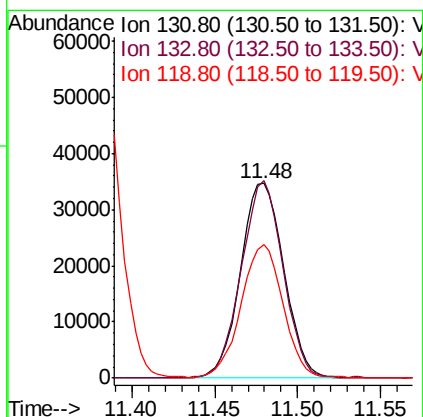
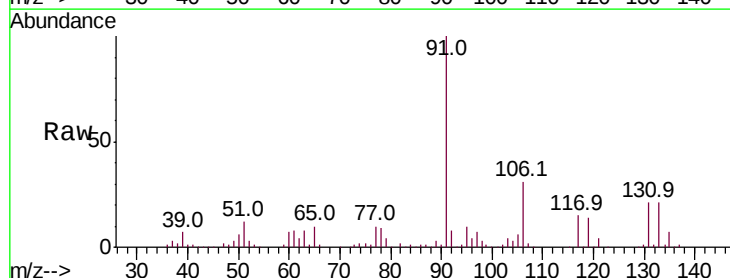
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

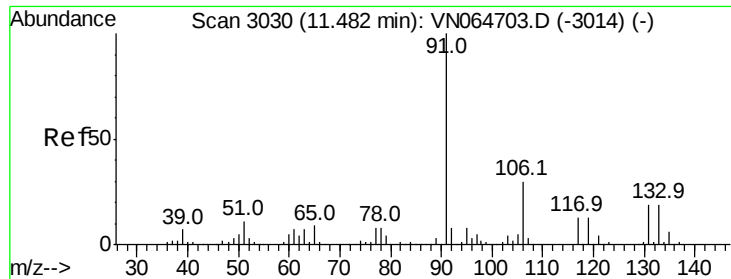
Tot Ion:112 Resp: 164625
Ion Ratio Lower Upper
112 100
114 32.9 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.951 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion:131 Resp: 63250
Ion Ratio Lower Upper
131 100
133 97.3 48.8 146.4
119 66.5 33.5 100.4

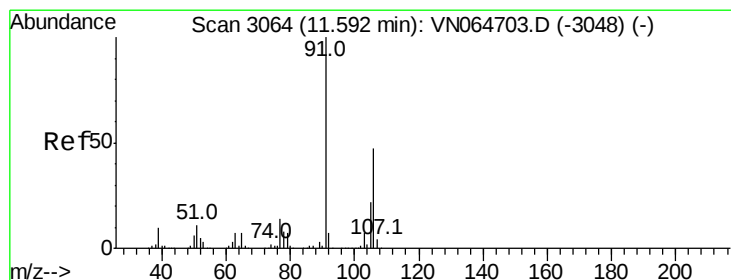
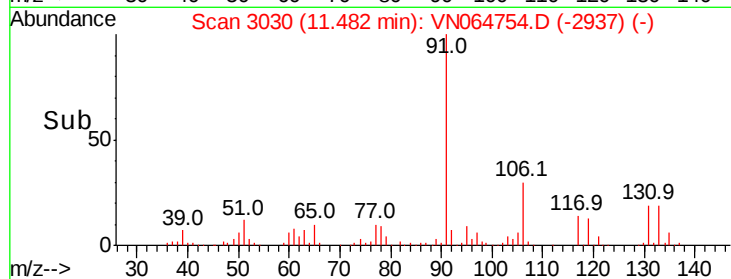
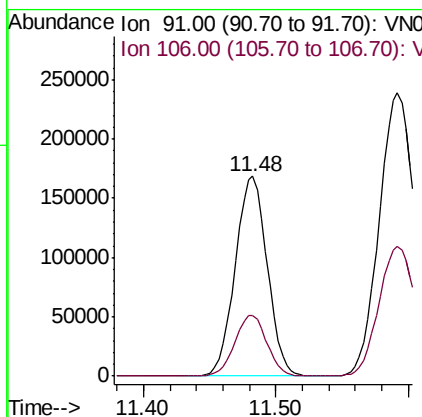
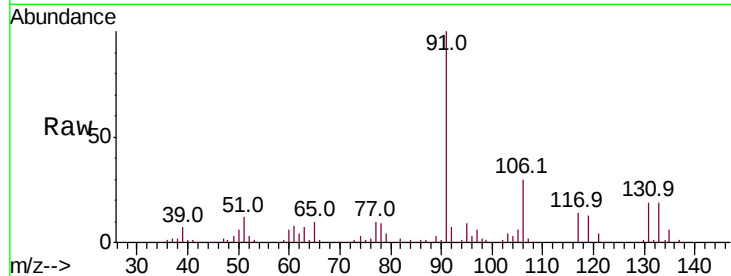




#67
Ethyl Benzene
Concen: 17.994 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

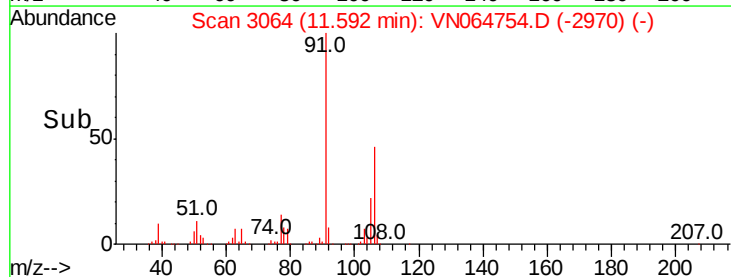
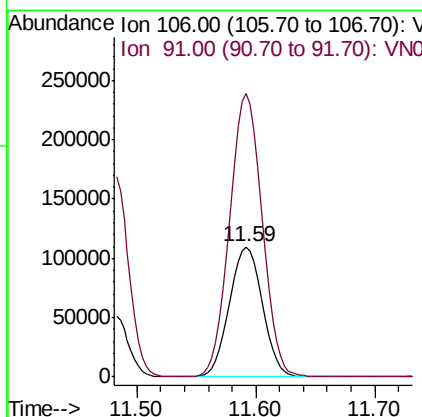
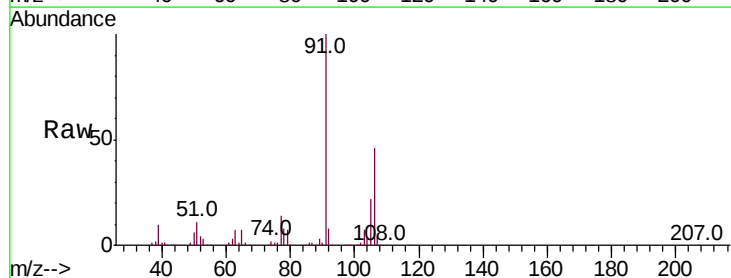
Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

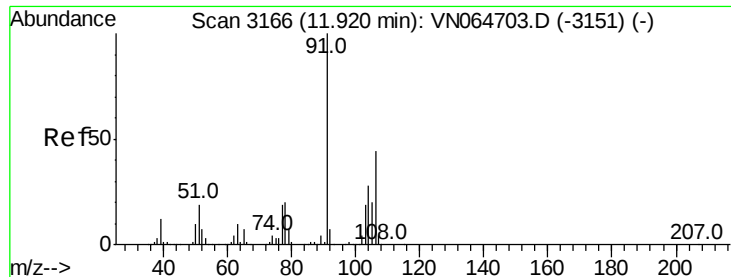
Tot Ion: 91 Resp: 283382
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



#68
m/p-Xylenes
Concen: 35.961 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion: 106 Resp: 212635
Ion Ratio Lower Upper
106 100
91 212.3 171.9 257.9

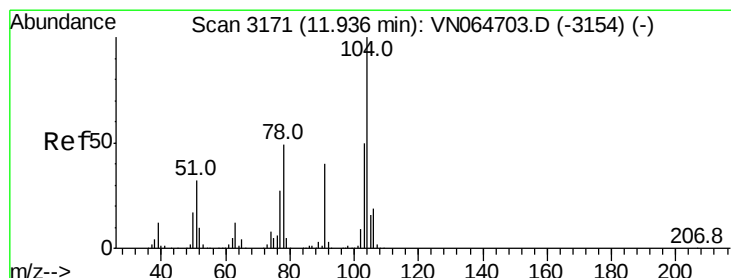
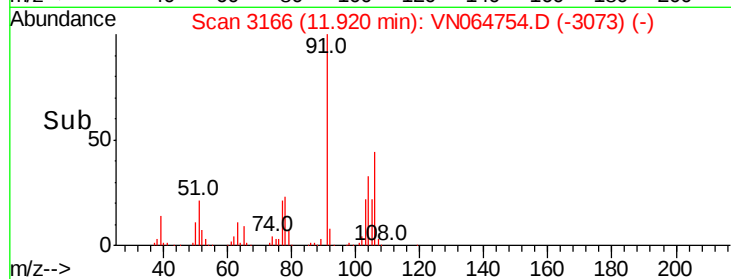
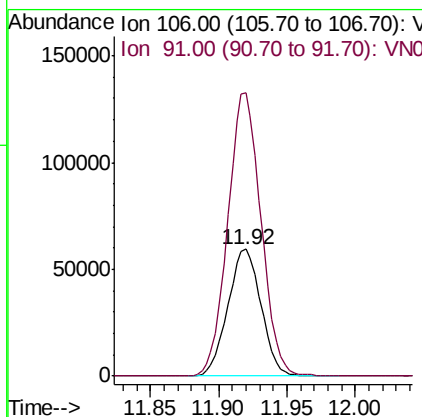
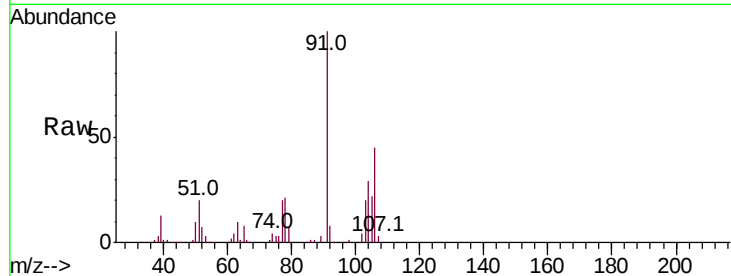




#69
o-Xylene
Concen: 18.327 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

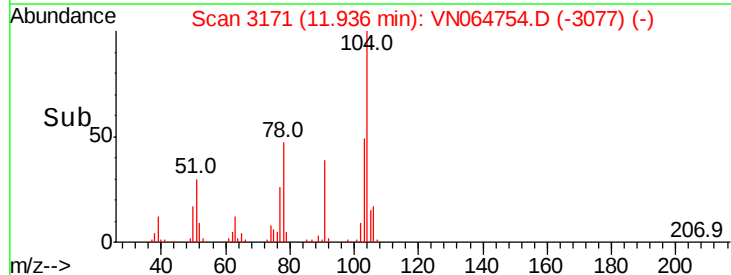
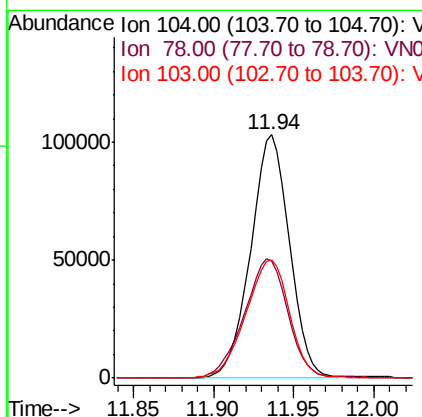
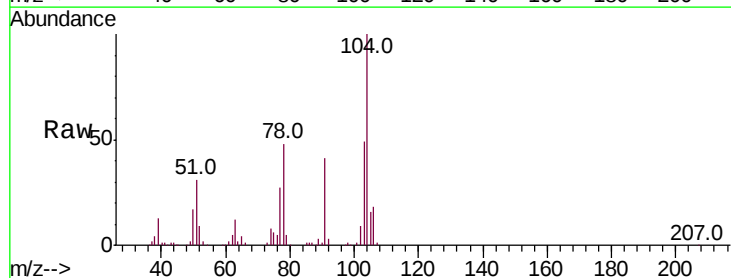
Instrument :
MSVOA_N
ClientSampled :
VN1119WBS02

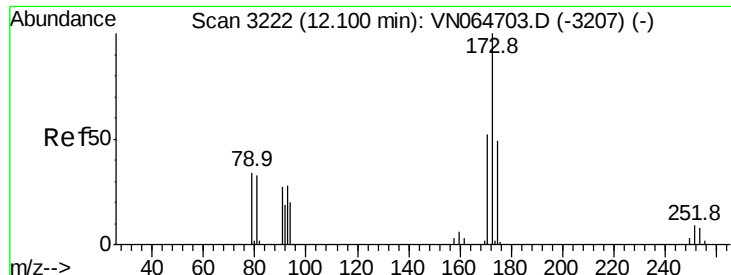
Tot Ion:106 Resp: 100697
Ion Ratio Lower Upper
106 100
91 222.7 112.1 336.3



#70
Styrene
Concen: 17.818 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion:104 Resp: 172505
Ion Ratio Lower Upper
104 100
78 54.7 44.1 66.1
103 54.8 43.7 65.5





#71

Bromoform

Concen: 17.778 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

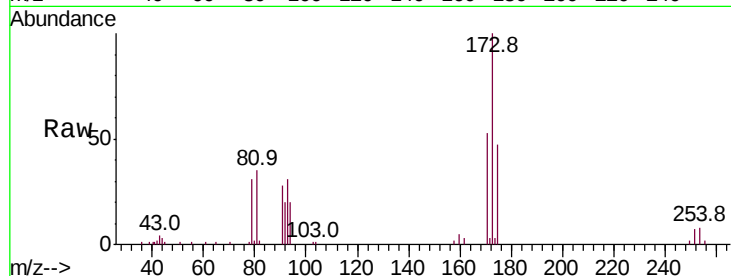
Tot Ion:173 Resp: 41822

Ion Ratio Lower Upper

173 100

175 46.0 24.3 72.9

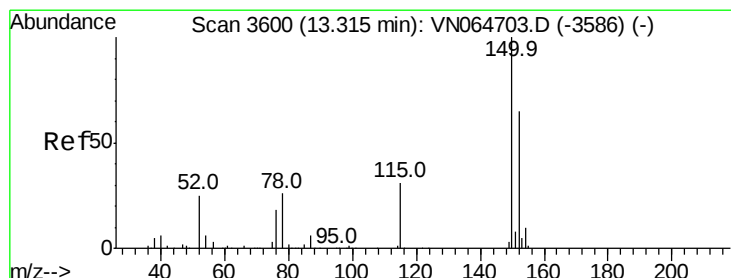
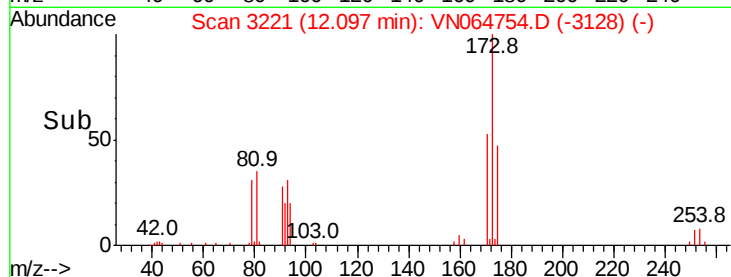
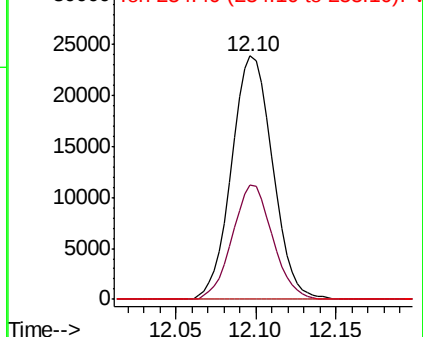
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

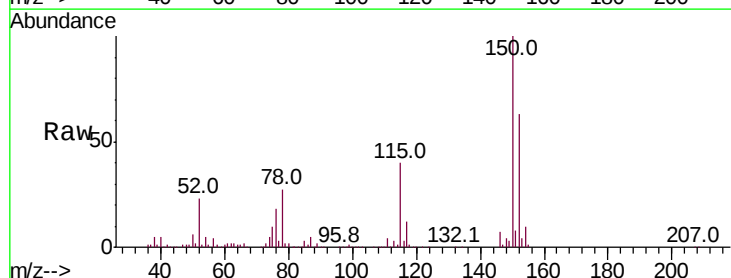
Tgt Ion:152 Resp: 262151

Ion Ratio Lower Upper

152 100

115 63.1 32.1 96.3

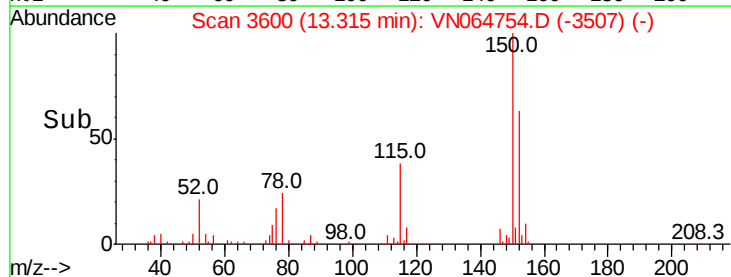
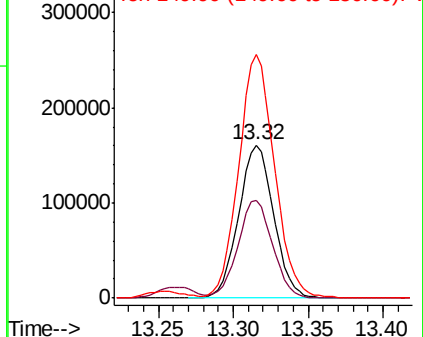
150 162.8 0.0 344.8

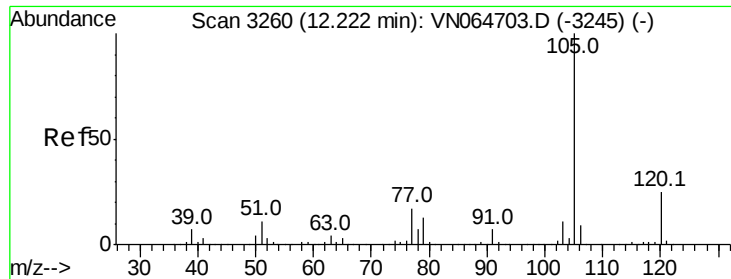


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 13.801 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

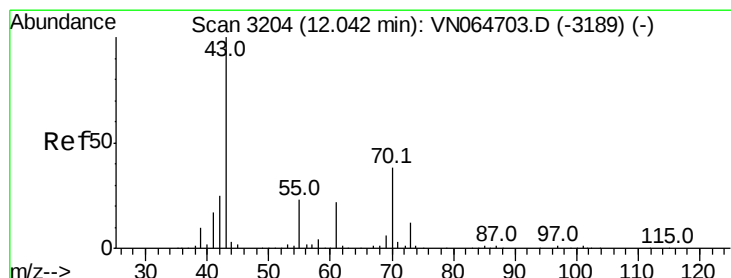
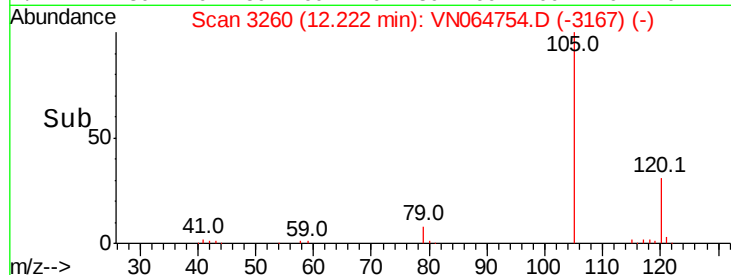
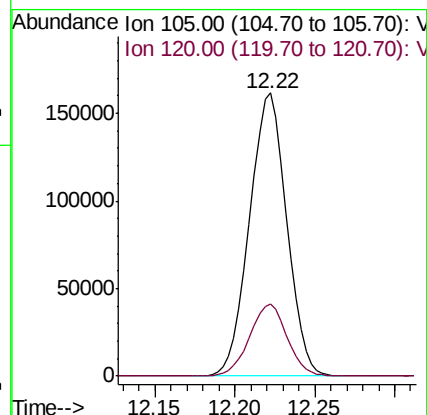
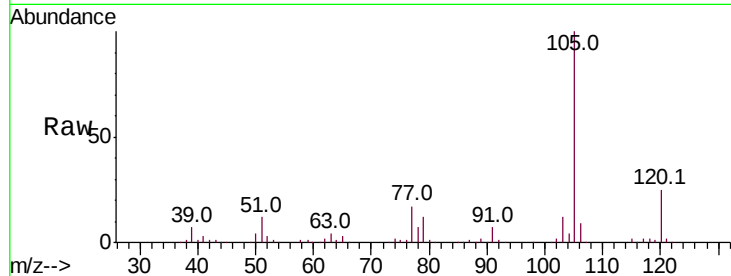
VN1119WBS02

Tot Ion:105 Resp: 256873

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3



#74

N-ethyl acetate

Concen: 12.873 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Tgt Ion: 43 Resp: 111896

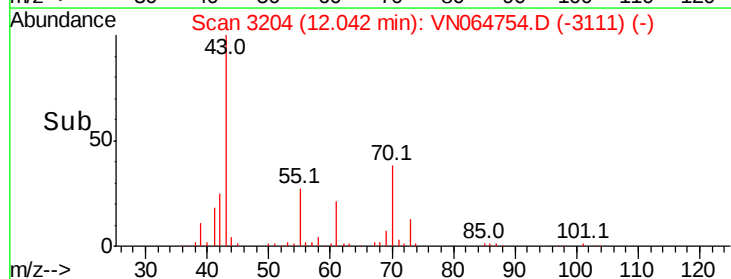
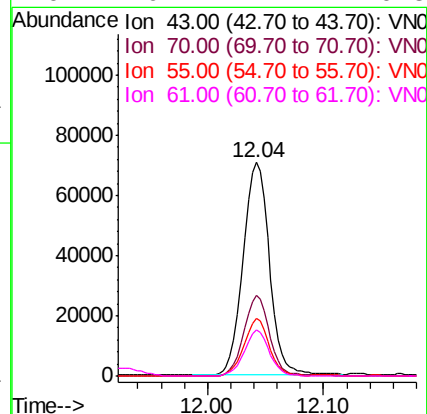
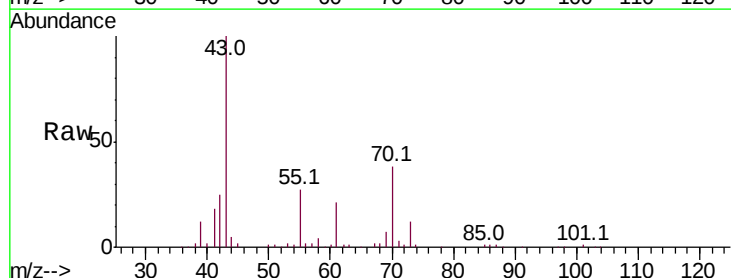
Ion Ratio Lower Upper

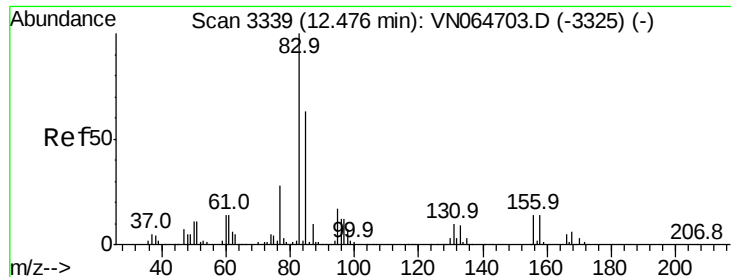
43 100

70 36.5 30.3 45.5

55 25.6 18.9 28.3

61 20.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 13.888 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

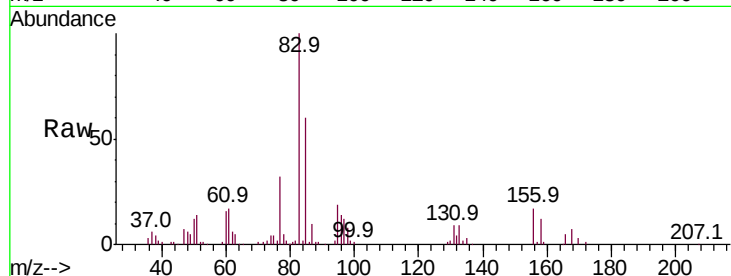
Tot Ion: 83 Resp: 72272

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

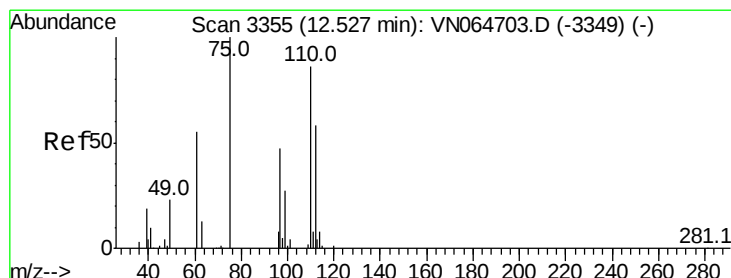
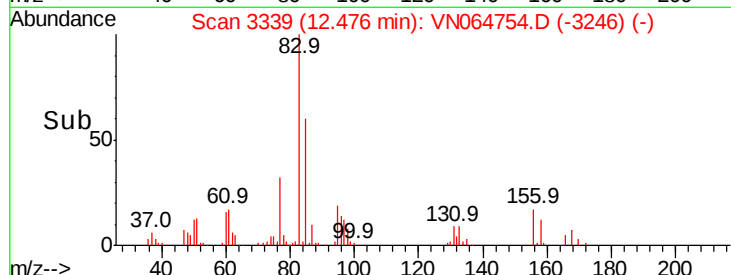
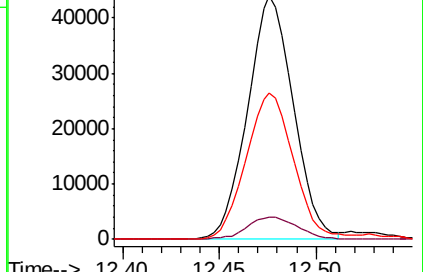
85 62.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN064754.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN064754.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN064754.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 19.940 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064754.D

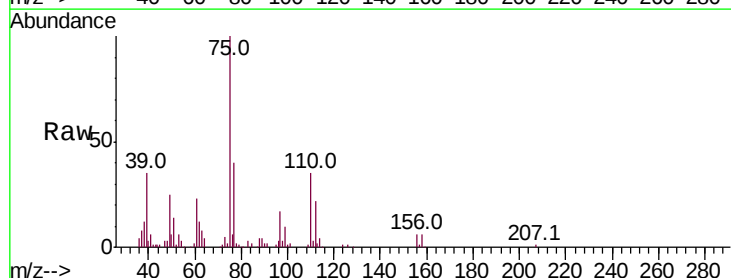
Acq: 20 Nov 2020 2:16

Tgt Ion: 75 Resp: 112629

Ion Ratio Lower Upper

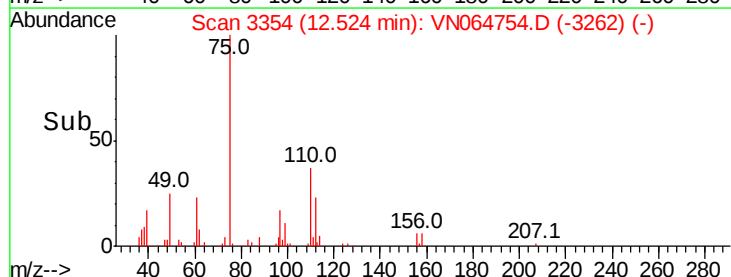
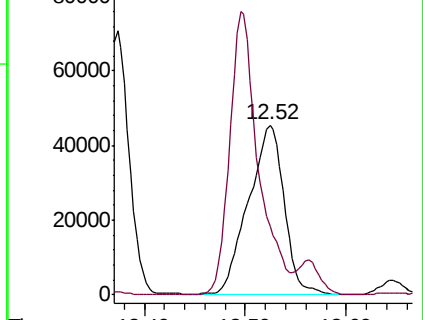
75 100

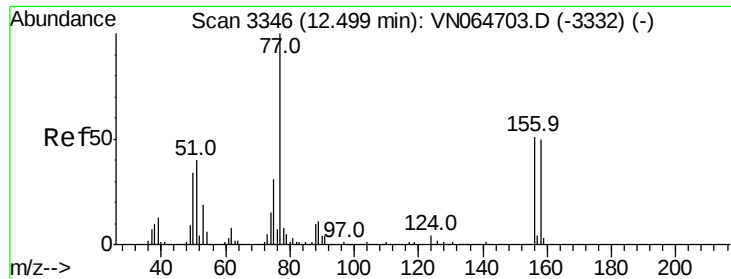
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064754.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064754.D (-3262) (-)





#77

Bromobenzene

Concen: 14.190 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampled :

VN1119WBS02

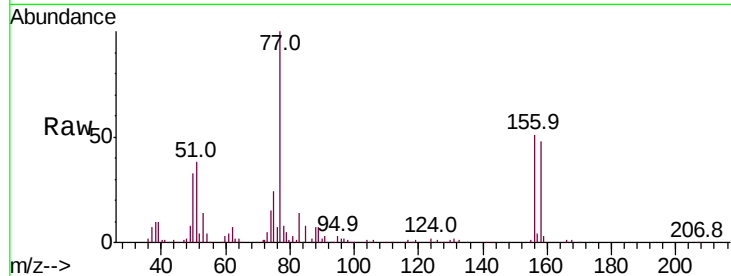
Tot Ion:156 Resp: 66613

Ion Ratio Lower Upper

156 100

77 227.5 117.3 351.9

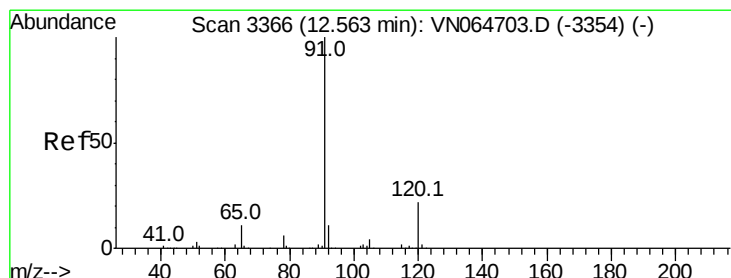
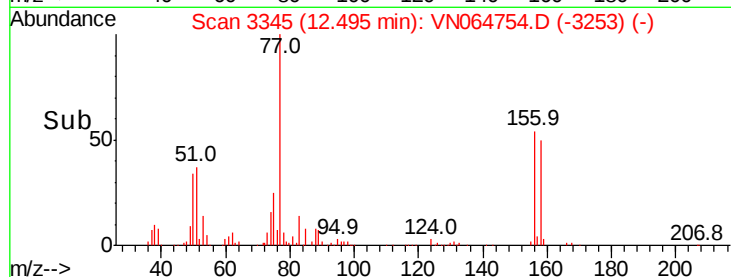
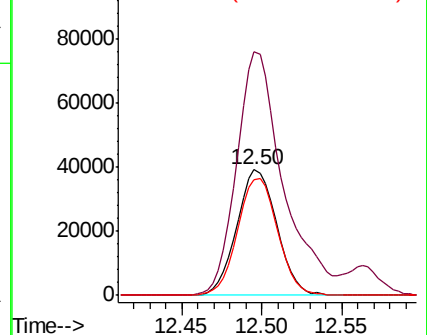
158 93.5 49.0 147.2



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: 14.239 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064754.D

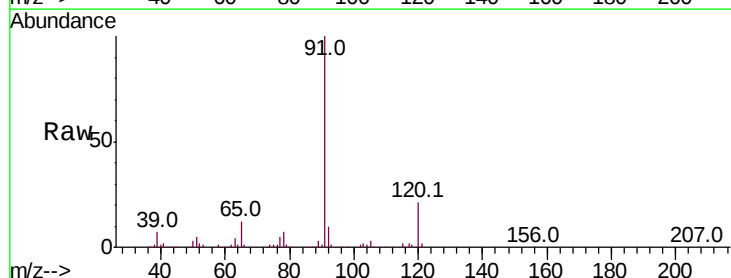
Acq: 20 Nov 2020 2:16

Tgt Ion: 91 Resp: 308637

Ion Ratio Lower Upper

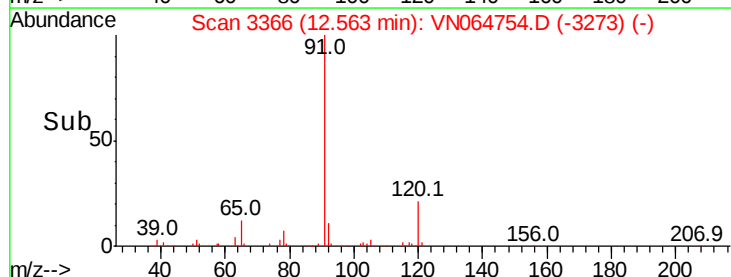
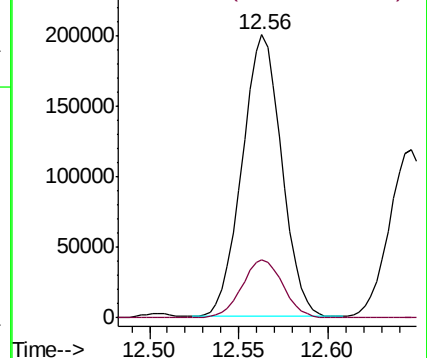
91 100

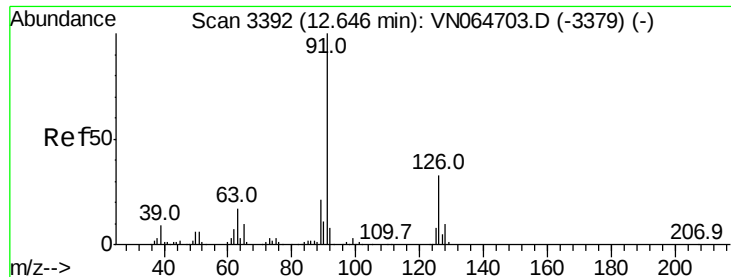
120 21.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 13.776 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampled :

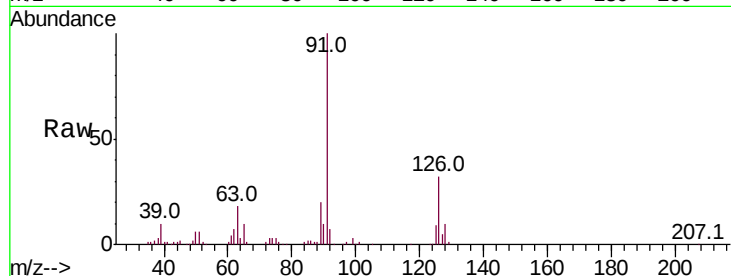
VN1119WBS02

Tot Ion: 91 Resp: 191121

Ion Ratio Lower Upper

91 100

126 32.6 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064703.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN064703.D (-3379) (-)

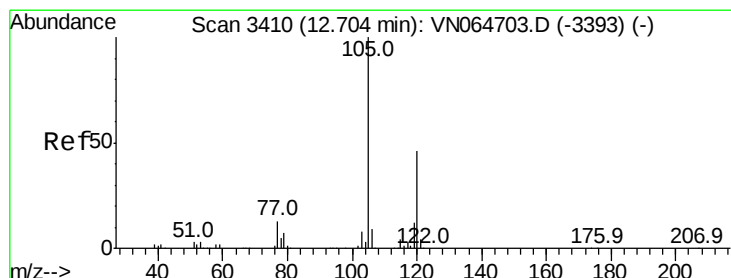
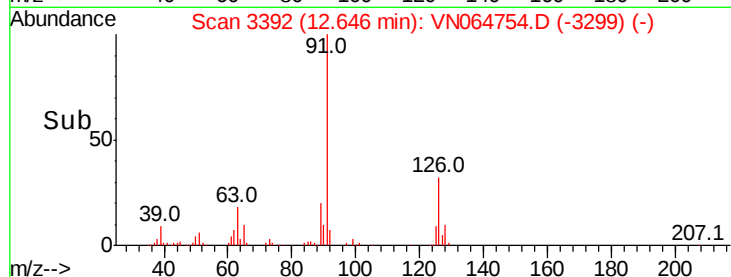
12.65

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 14.667 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064754.D

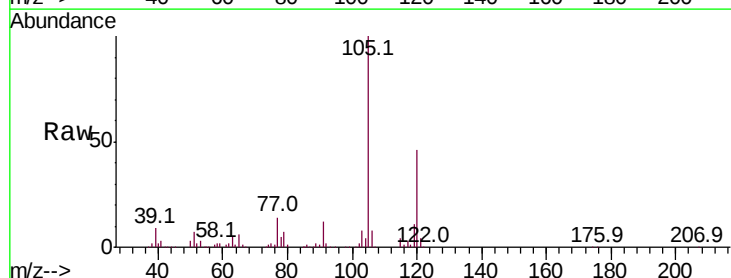
Acq: 20 Nov 2020 2:16

Tgt Ion: 105 Resp: 226778

Ion Ratio Lower Upper

105 100

120 45.1 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064703.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN064703.D (-3393) (-)

12.70

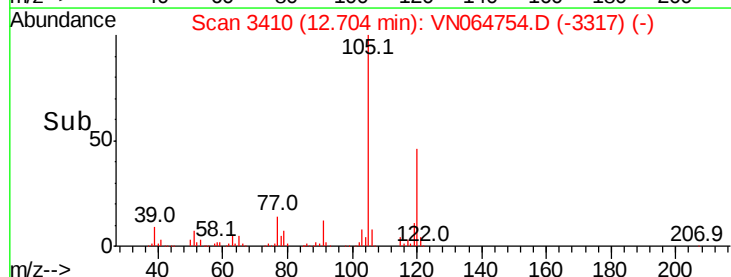
150000

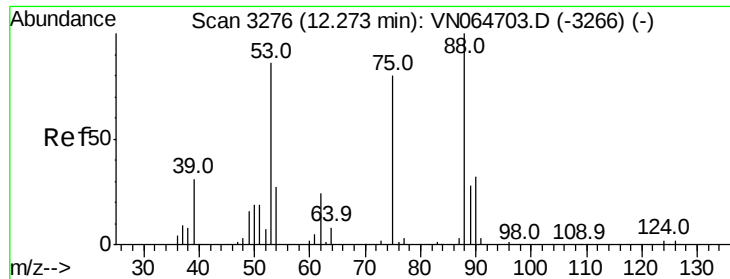
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 12.545 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

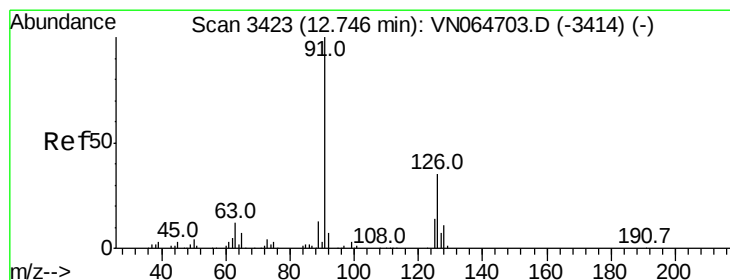
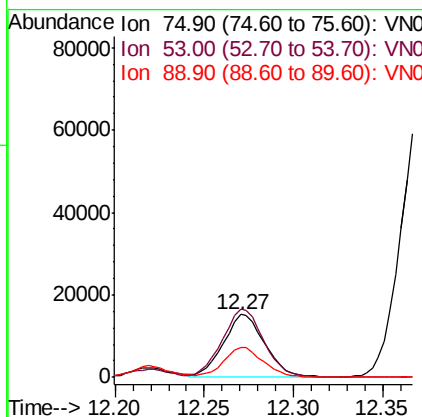
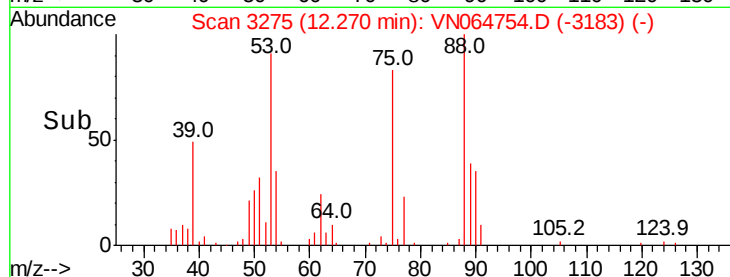
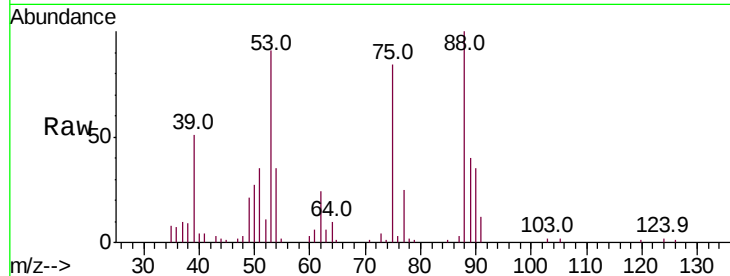
Tot Ion: 75 Resp: 24906

Ion Ratio Lower Upper

75 100

53 105.3 88.8 133.2

89 45.5 43.1 64.7



#82

4-Chlorotoluene

Concen: 14.050 ug/l

RT: 12.74 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN064754.D

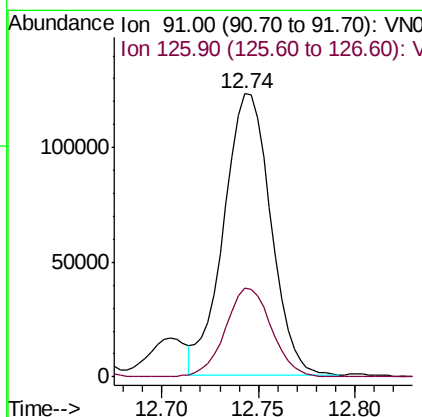
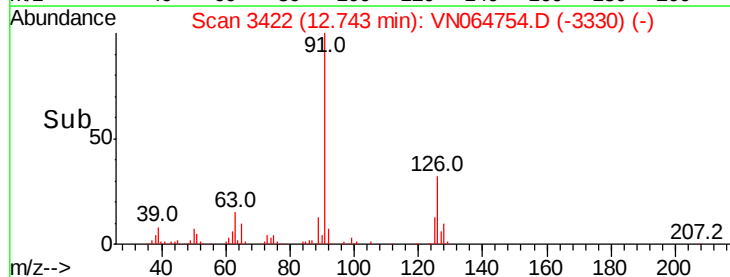
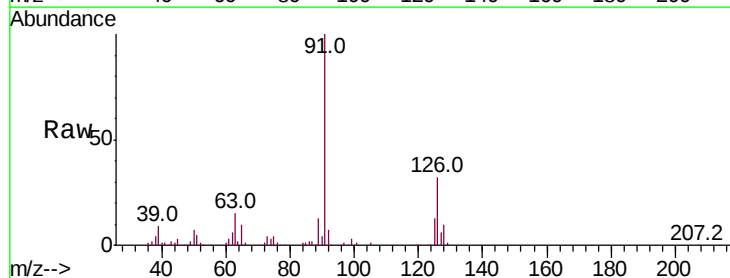
Acq: 20 Nov 2020 2:16

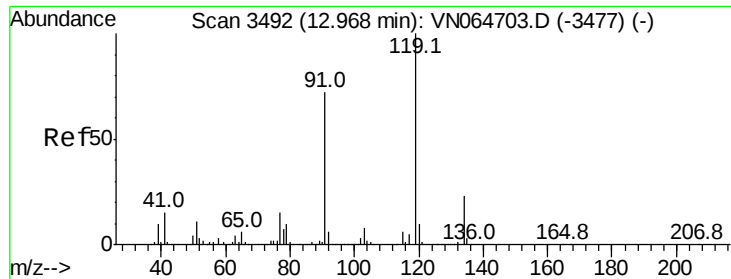
Tgt Ion: 91 Resp: 207845

Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.7

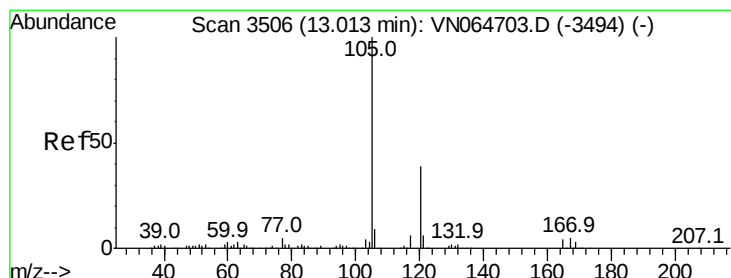
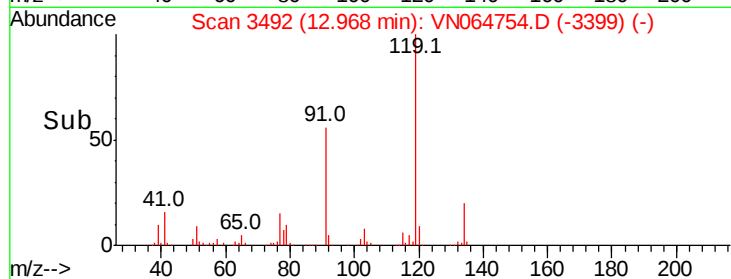
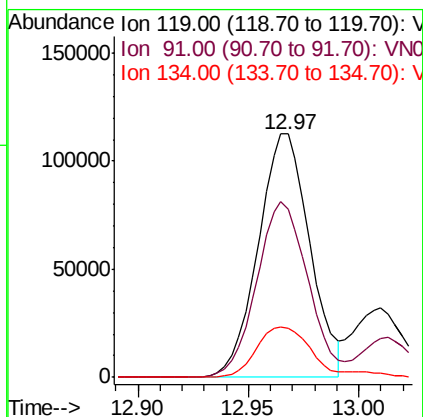
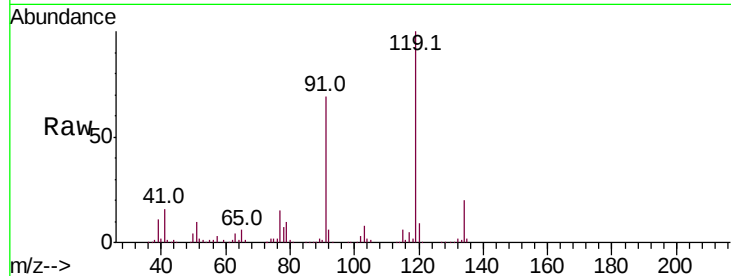




#83
 tert-Butylbenzene
 Concen: 15.289 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

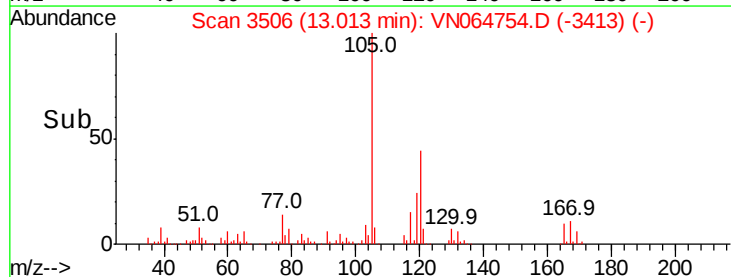
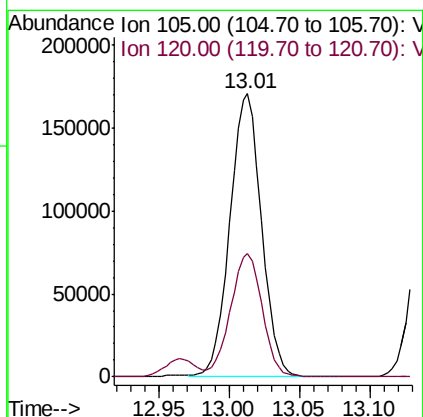
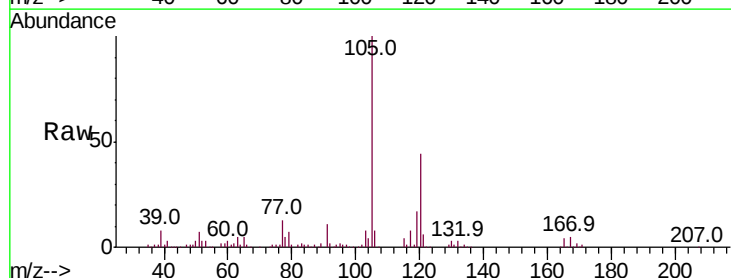
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

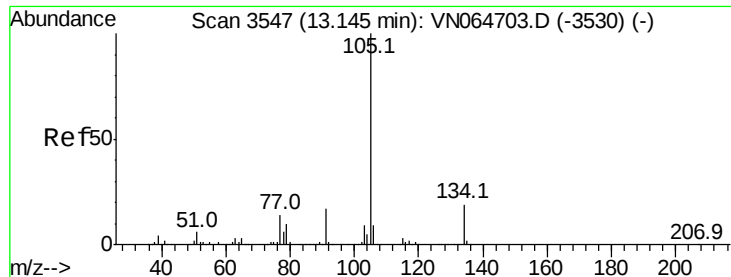
Tot Ion:119 Resp: 182878
 Ion Ratio Lower Upper
 119 100
 91 71.9 35.8 107.4
 134 21.3 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 16.880 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

Tgt Ion:105 Resp: 266368
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 15.655 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

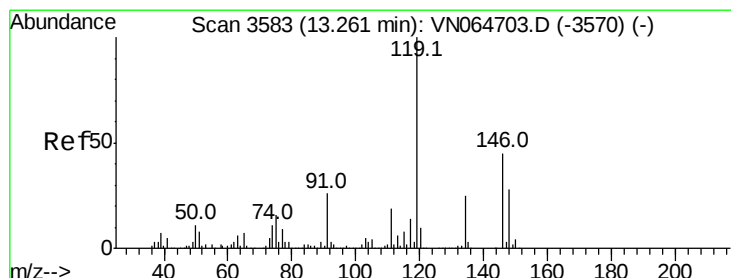
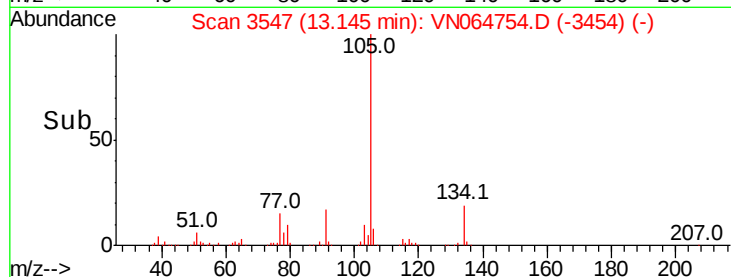
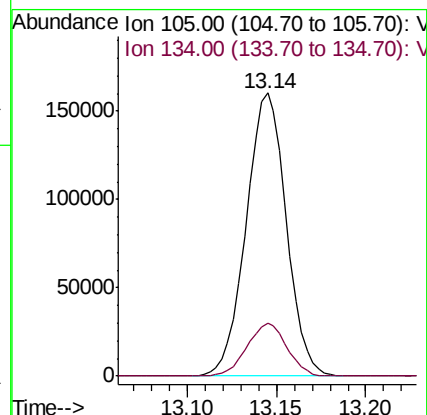
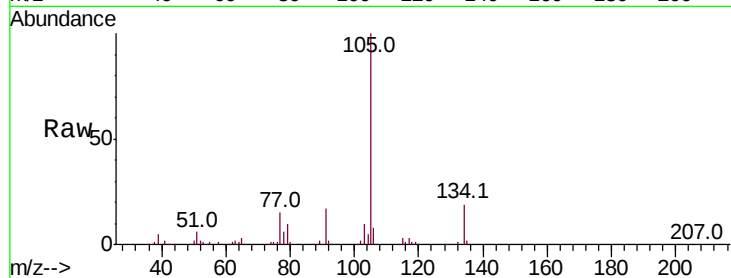
VN1119WBS02

Tot Ion:105 Resp: 249588

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 15.643 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

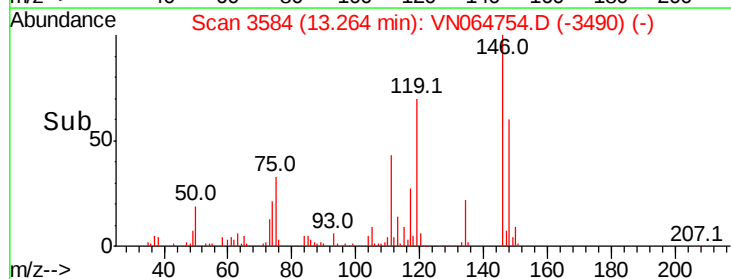
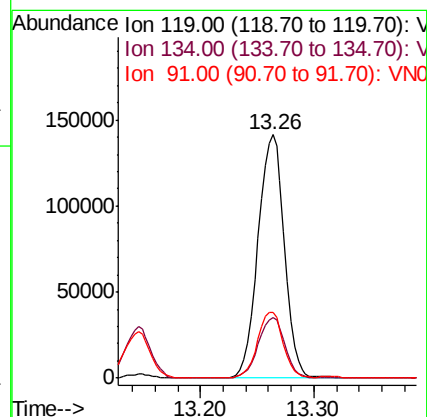
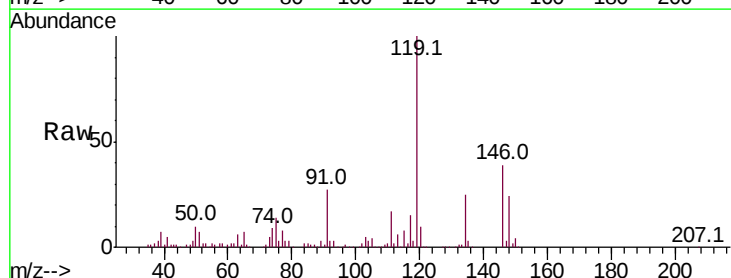
Tgt Ion:119 Resp: 229372

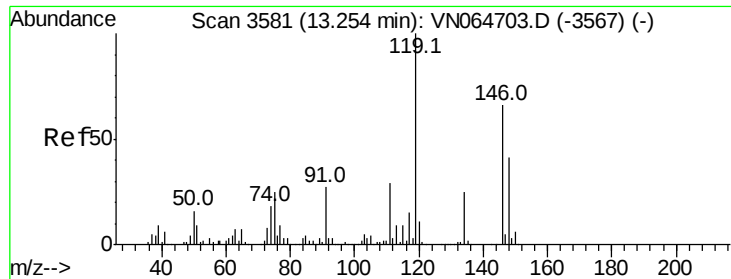
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 26.1 13.3 39.8

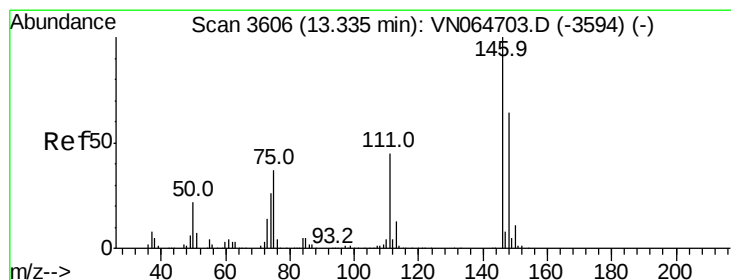
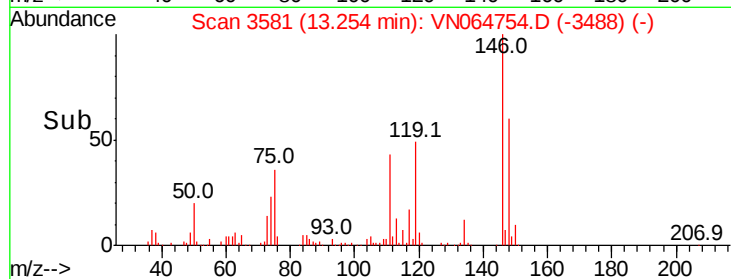
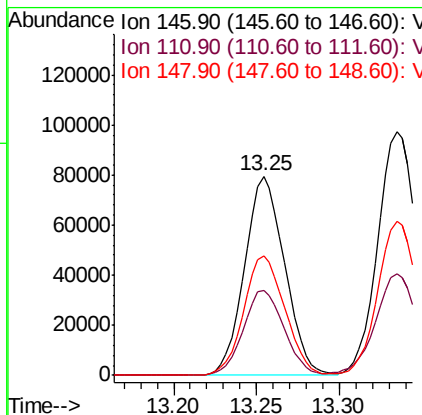
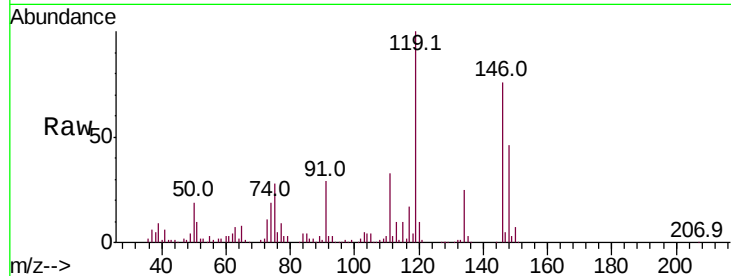




#87
 1,3-Dichlorobenzene
 Concen: 15.687 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

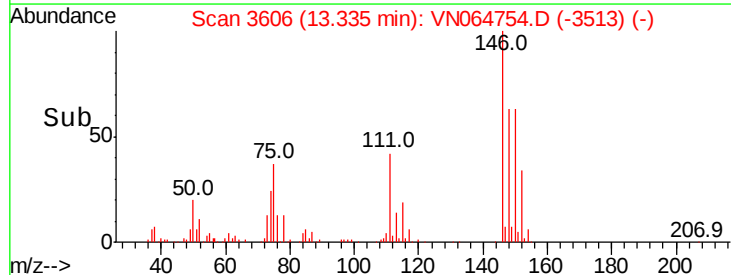
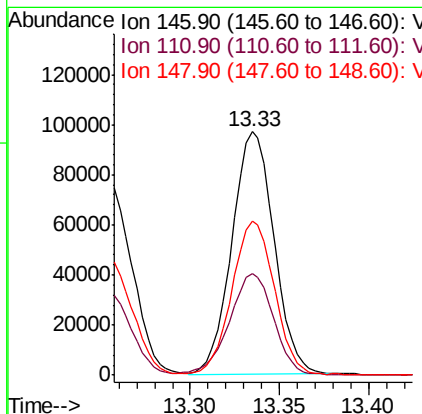
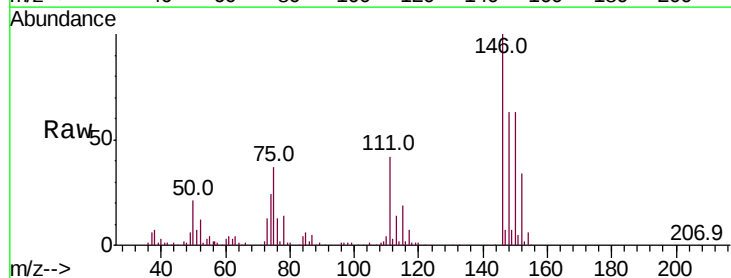
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

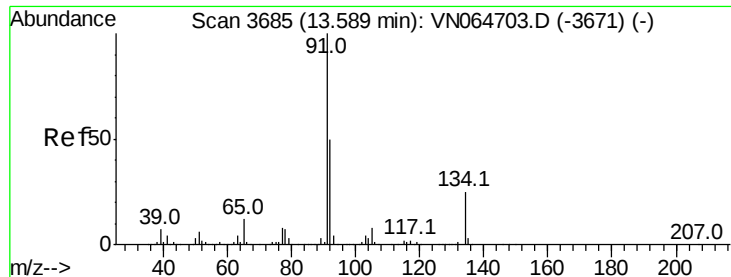
Tot Ion:146 Resp: 134179
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.8 65.4
 148 61.5 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 18.093 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

Tgt Ion:146 Resp: 158878
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.3 66.8
 148 63.5 31.6 94.7

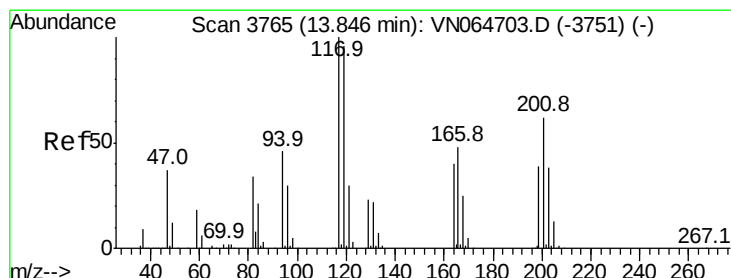
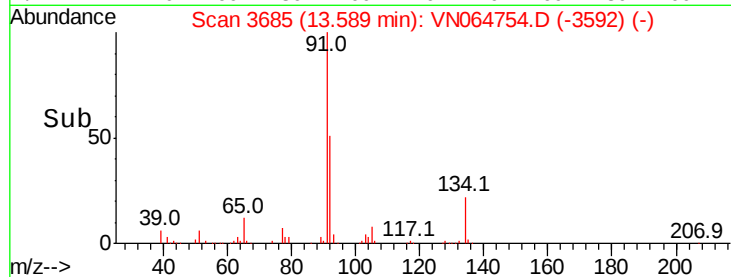
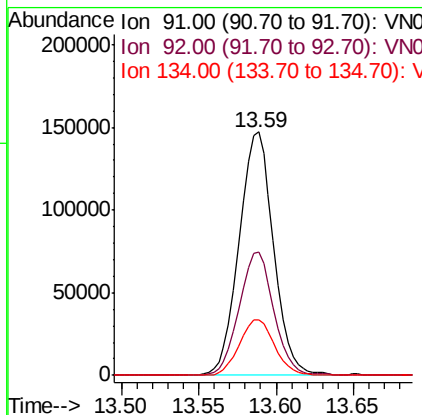
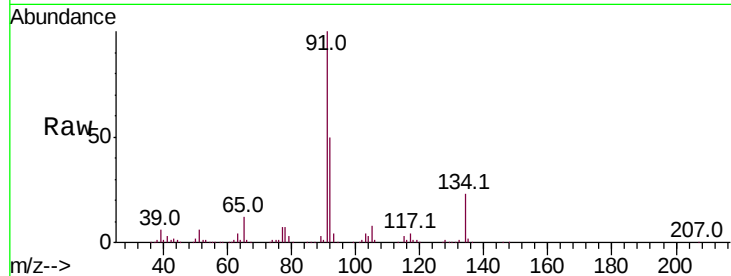




#89
n-Butylbenzene
Concen: 16.678 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

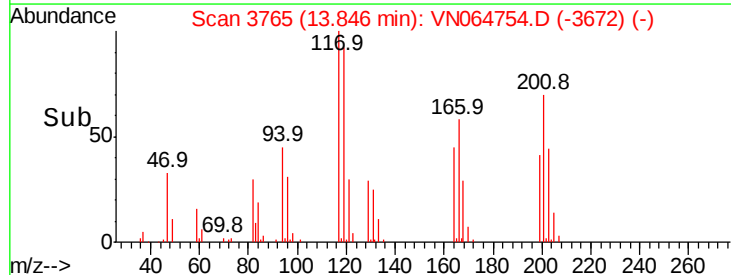
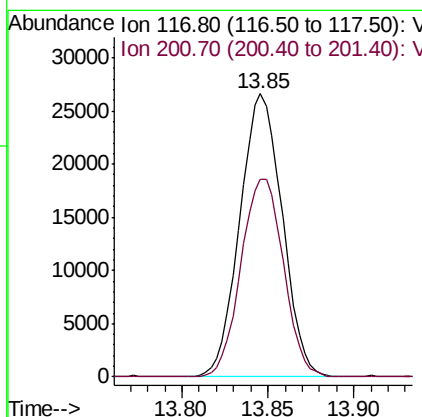
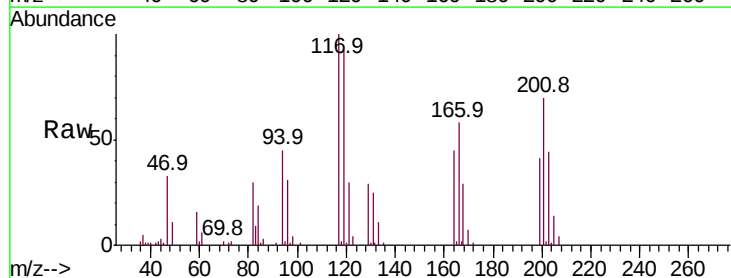
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS02

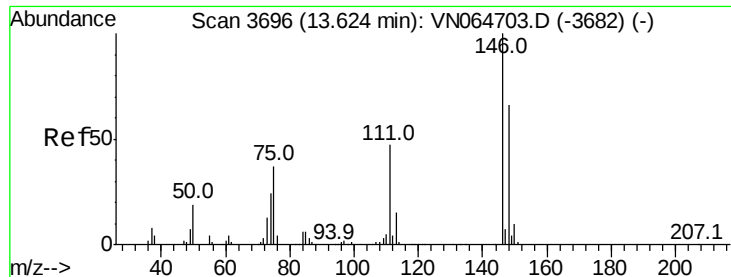
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	24.9	74.8
134	23.5	12.0	36.0



#90
Hexachloroethane
Concen: 18.790 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064754.D
Acq: 20 Nov 2020 2:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	31.9	95.5

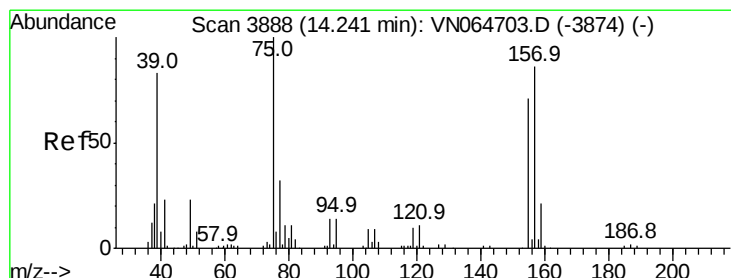
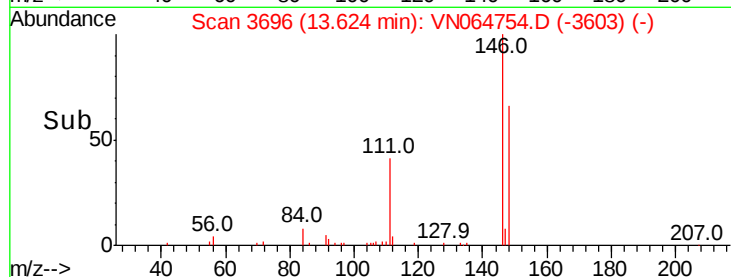
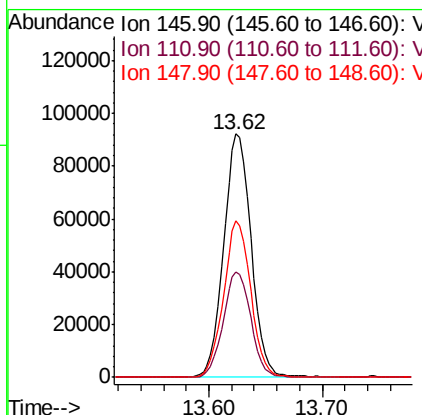
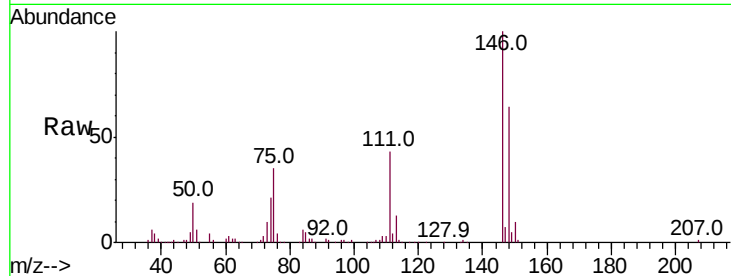




#91
 1,2-Dichlorobenzene
 Concen: 18.659 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

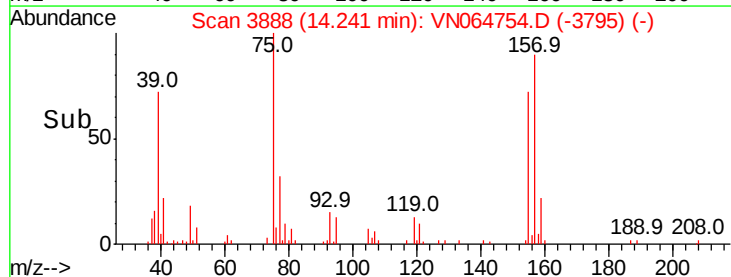
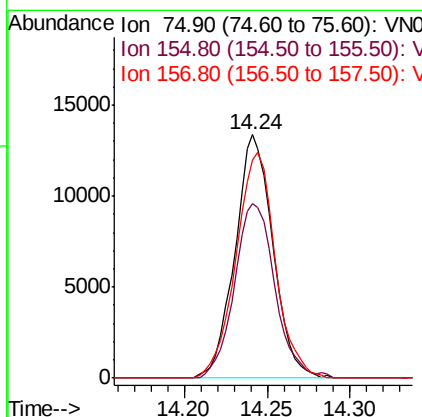
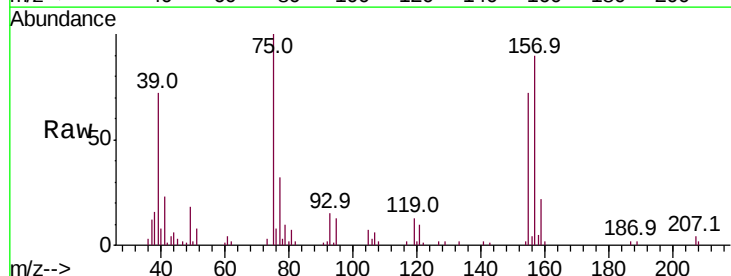
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

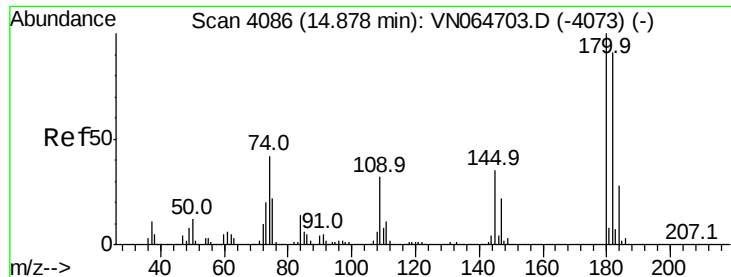
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	23.1	69.3
148	63.5	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.588 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	33.6	100.6
157	96.1	42.4	127.2

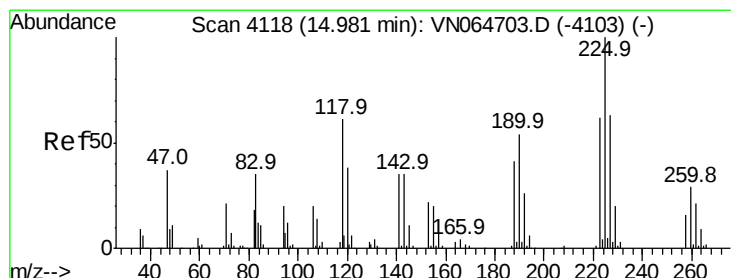
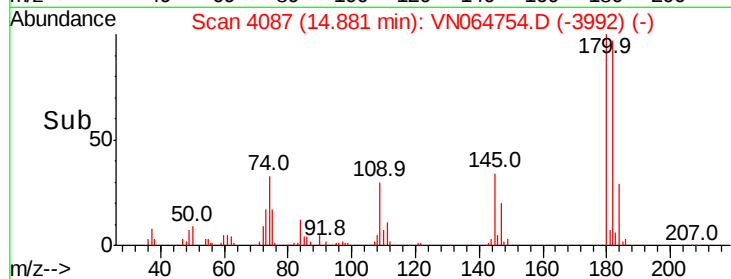
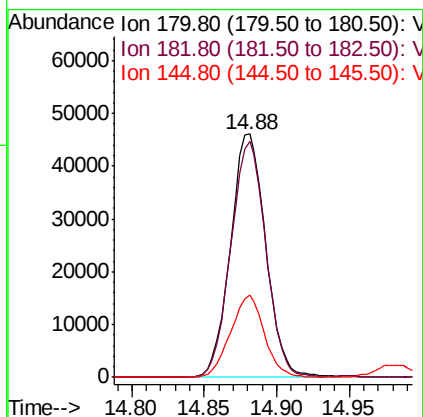
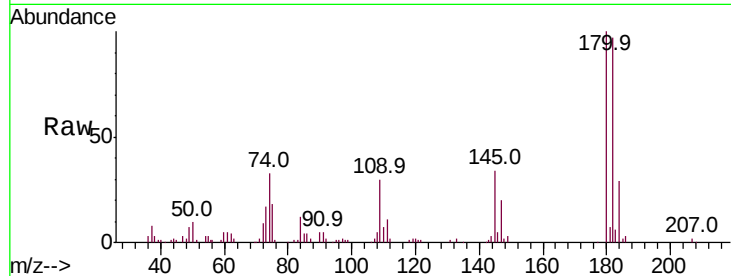




#93
 1,2,4-Trichlorobenzene
 Concen: 17.971 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

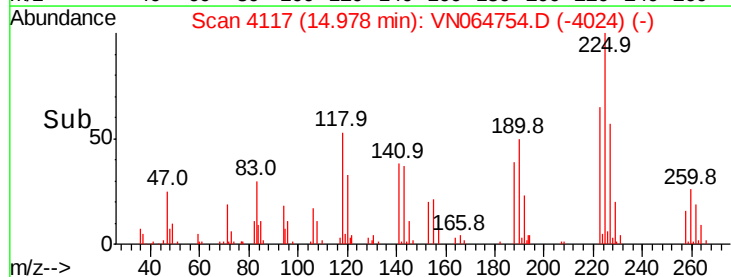
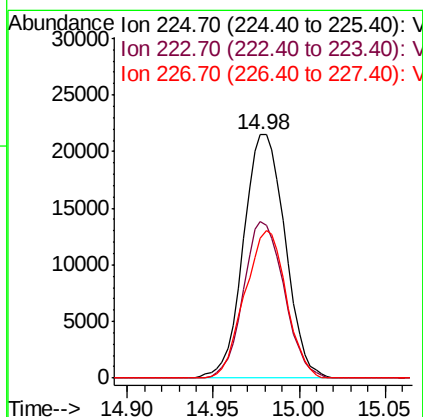
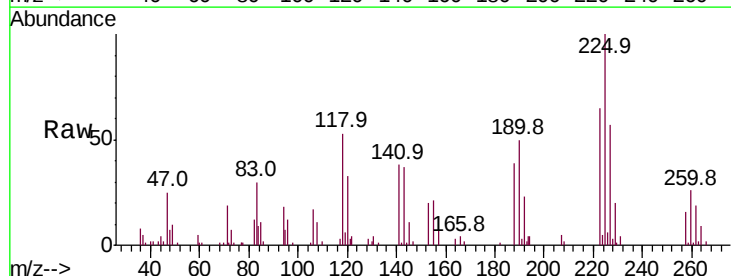
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS02

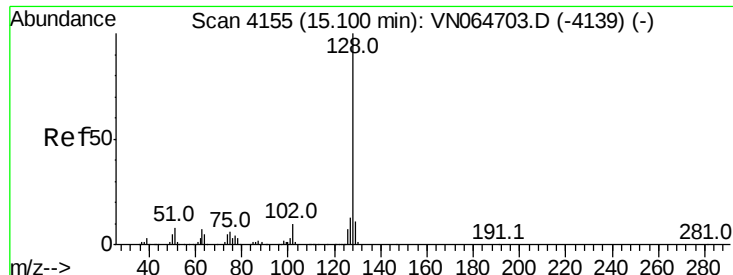
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	32.1	17.5	52.5



#94
 Hexachlorobutadiene
 Concen: 19.082 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064754.D
 Acq: 20 Nov 2020 2:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.2	93.6
227	60.3	32.1	96.3





#95

Naphthalene

Concen: 16.298 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBS02

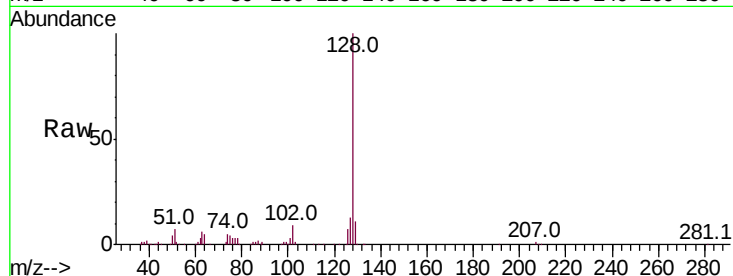
Tot Ion:128 Resp: 240147

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

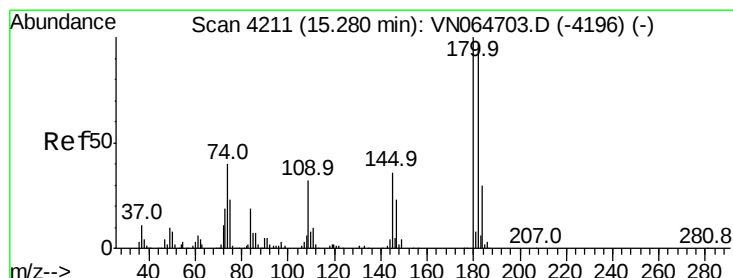
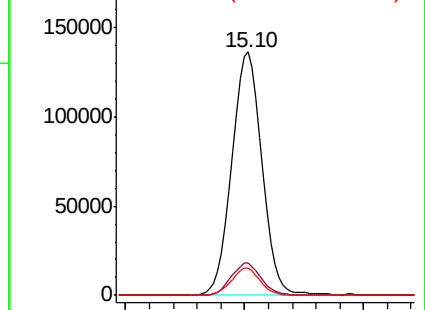
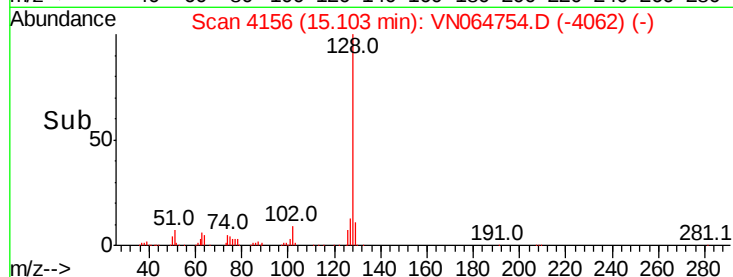
129 10.7 8.9 13.3



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: 17.952 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064754.D

Acq: 20 Nov 2020 2:16

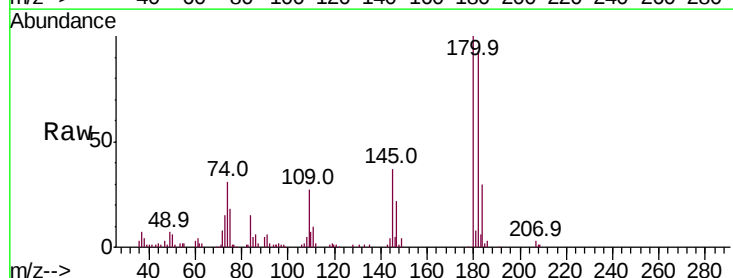
Tgt Ion:180 Resp: 76149

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.5

145 35.2 18.1 54.1



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

