

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

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

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:03 AM

Quant Time: Dec 05 03:30:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1587066	441.874	ug/l	97
40) Benzene	8.00	78	476244	46.581	ug/l	98
41) Methacrylonitrile	7.13	41	65672	44.285	ug/l	94
42) 1,2-Dichloroethane	8.09	62	156245	45.302	ug/l	97
43) Isopropyl Acetate	8.13	43	284436	55.000	ug/l	95
44) Trichloroethene	8.80	130	130229	43.171	ug/l	99
45) 1,2-Dichloropropane	9.08	63	140116	52.920	ug/l	98
46) Dibromomethane	9.17	93	82589	46.691	ug/l	99
47) Bromodichloromethane	9.37	83	171406	48.160	ug/l	100
48) Methyl methacrylate	9.17	41	118053	47.773	ug/l	99
49) 1,4-Dioxane	9.17	88	45247	968.783	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	728136	234.527	ug/l	99
52) Toluene	10.12	92	296615	47.109	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	184706	46.595	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	200310	47.143	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	118871m	45.912	ug/l	
56) Ethyl methacrylate	10.40	69	245263	68.646	ug/l #	85
57) 1,3-Dichloropropane	10.68	76	201191	47.107	ug/l	100
59) 2-Hexanone	10.72	43	546040	244.378	ug/l	98
60) Dibromochloromethane	10.87	129	136723	47.506	ug/l	97
61) 1,2-Dibromoethane	10.98	107	122727	46.656	ug/l	97
64) Tetrachloroethene	10.60	164	128474	40.602	ug/l	99
65) Chlorobenzene	11.41	112	329534	47.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	123302	48.037	ug/l	100
67) Ethyl Benzene	11.48	91	587191	50.325	ug/l	99
68) m/p-Xylenes	11.59	106	434334	98.320	ug/l	100
69) o-Xylene	11.92	106	213739	50.987	ug/l	99
70) Stvrene	11.94	104	365785	51.687	ug/l	98
71) Bromoform	12.10	173	93942	45.823	ug/l #	99
73) Isopropylbenzene	12.22	105	940703	85.742	ug/l	99
74) N-amyl acetate	12.04	43	217326	50.334	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	161985	50.372	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	145903m	42.952	ug/l	
77) Bromobenzene	12.50	156	144967	49.011	ug/l	96
78) n-propylbenzene	12.57	91	1100907	88.083	ug/l	99
79) 2-Chlorotoluene	12.65	91	373458	48.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	464602	50.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	55225	44.558	ug/l	96
82) 4-Chlorotoluene	12.75	91	385700	47.628	ug/l	99
83) tert-Butylbenzene	12.97	119	411315	53.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	485507	52.656	ug/l	98
85) sec-Butylbenzene	13.14	105	609926	60.098	ug/l	97
86) p-Isopropyltoluene	13.26	119	467646	50.612	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	249016	47.385	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	254441	45.783	ug/l	99
89) n-Butylbenzene	13.59	91	439695	54.187	ug/l	97
90) Hexachloroethane	13.85	117	100461	62.587	ug/l	81
91) 1,2-Dichlorobenzene	13.63	146	246730	47.816	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31767	43.903	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	147995	46.364	ug/l #	90

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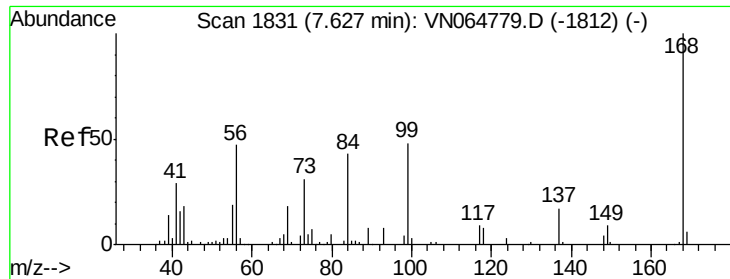
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	66962	46.611	ug/l	98
95) Naphthalene	15.10	128	792597	82.883	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	146492	48.341	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:168 Resp: 224202

Ion Ratio Lower Upper

168 100

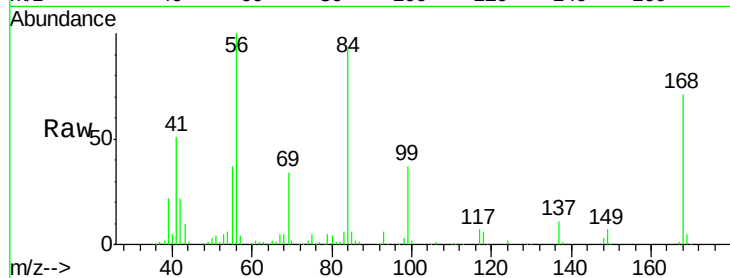
99 51.3 43.0 64.4

Manual Integrations

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12/7/2020 10:46:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

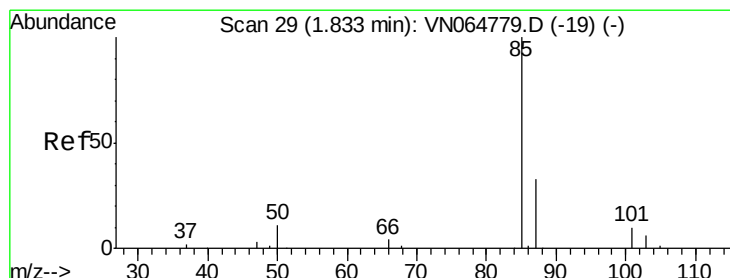
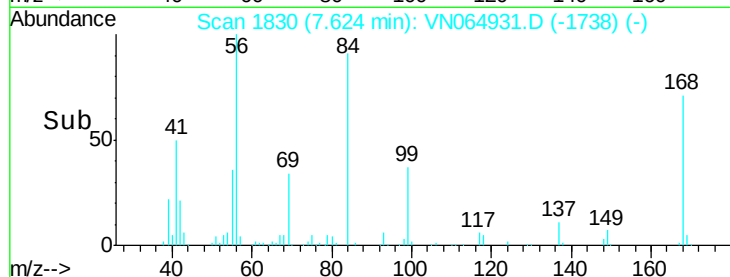
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.877 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064931.D

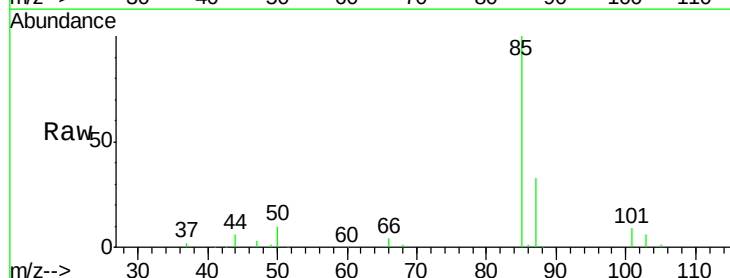
Acq: 4 Dec 2020 20:07

Tgt Ion: 85 Resp: 79428

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

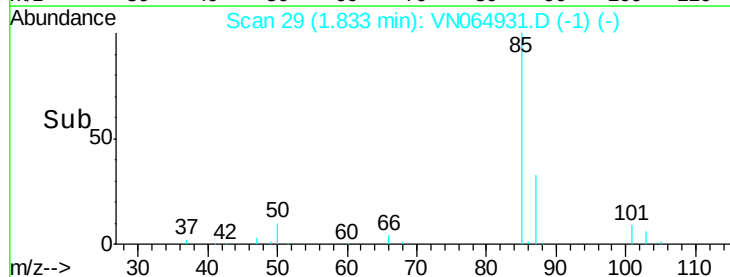
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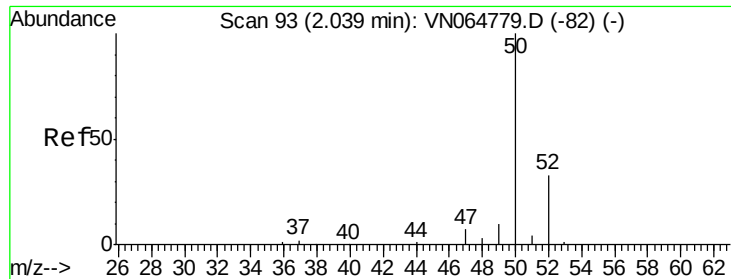
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 40.163 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 50 Resp: 101413

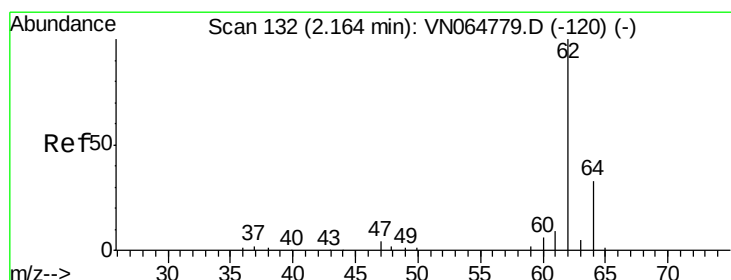
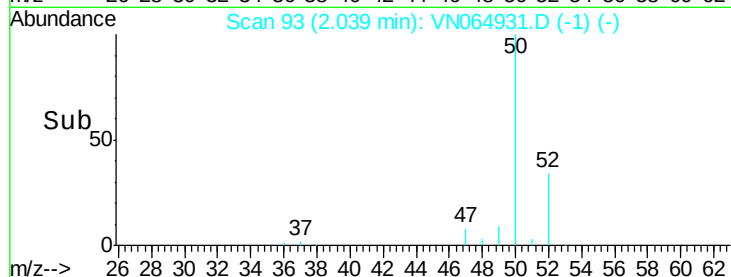
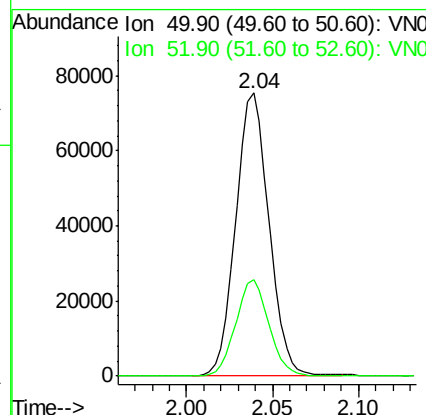
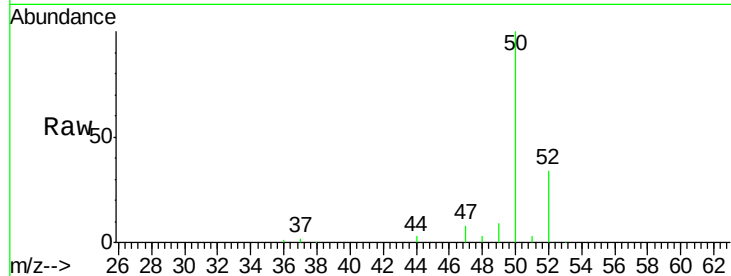
Ion Ratio Lower Upper

50 100

52 33.9 26.6 39.8

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#4

Vinyl Chloride

Concen: 41.437 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064931.D

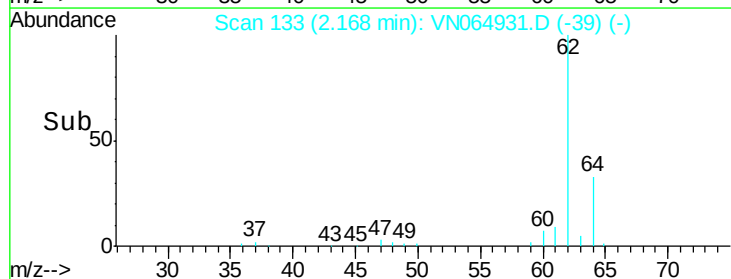
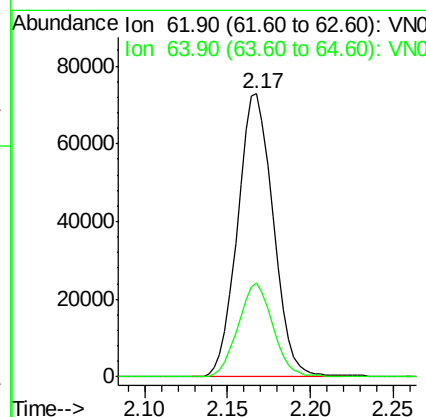
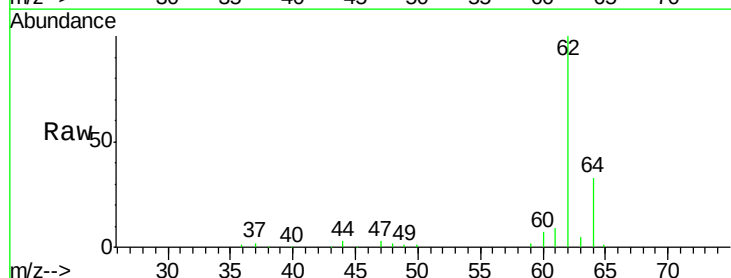
Acq: 4 Dec 2020 20:07

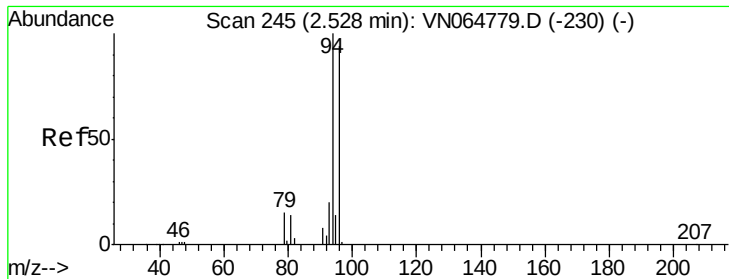
Tgt Ion: 62 Resp: 109087

Ion Ratio Lower Upper

62 100

64 33.2 26.5 39.7





#5

Bromomethane

Concen: 36.774 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

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Tot Ion: 94 Resp: 63515

Ion Ratio Lower Upper

94 100

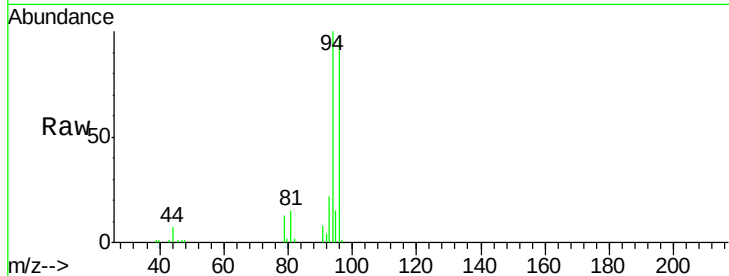
96 95.8 75.4 113.0

Manual Integrations

APPROVED

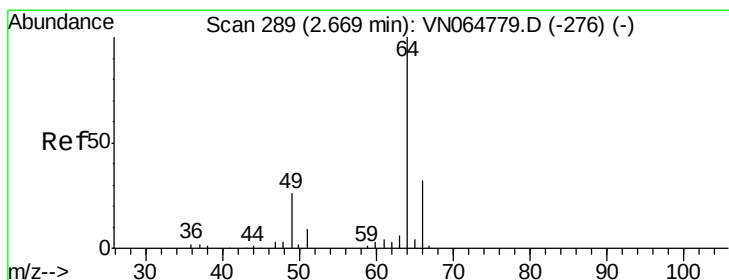
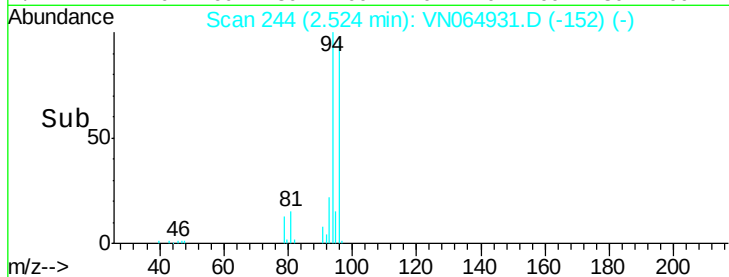
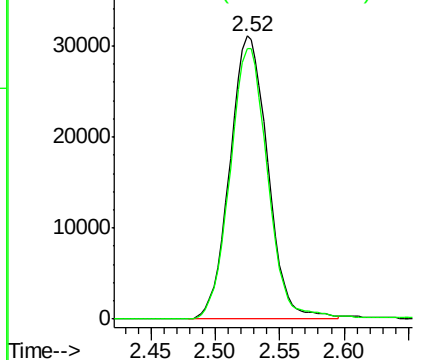
MMDadoda

12/7/2020 10:46:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.223 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064931.D

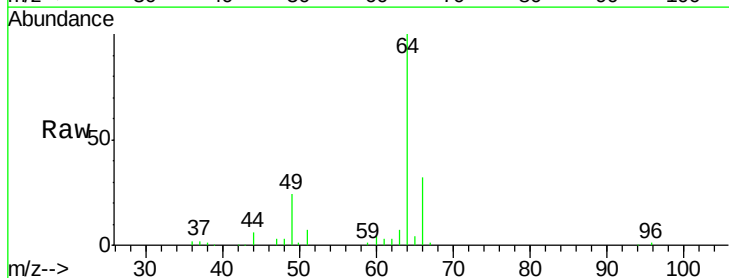
Acq: 4 Dec 2020 20:07

Tgt Ion: 64 Resp: 70378

Ion Ratio Lower Upper

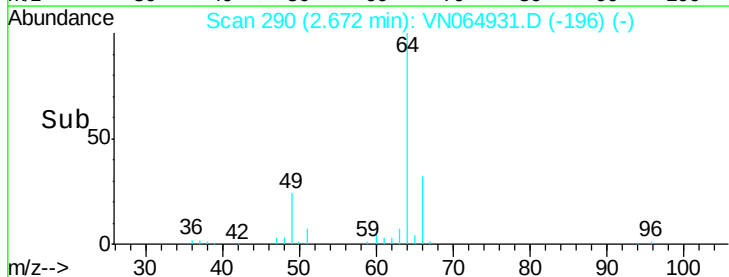
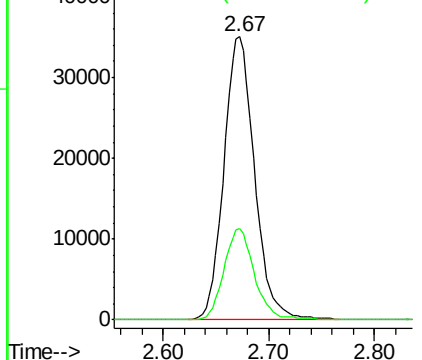
64 100

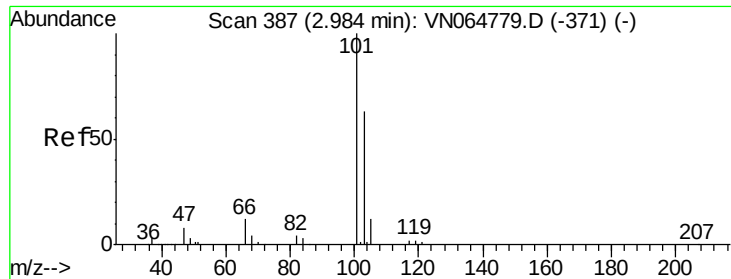
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

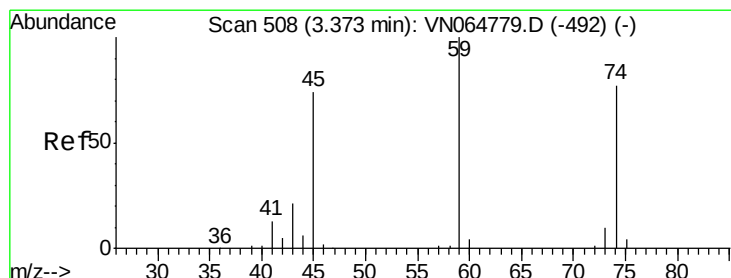
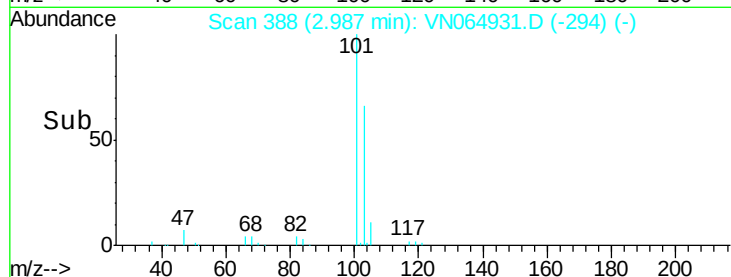
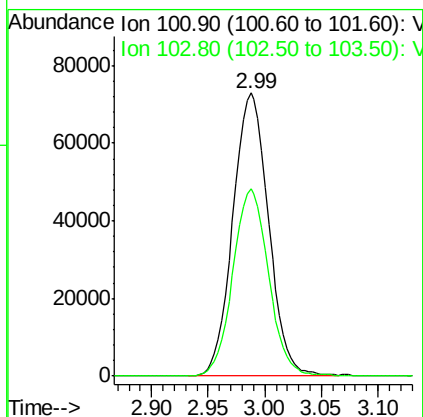
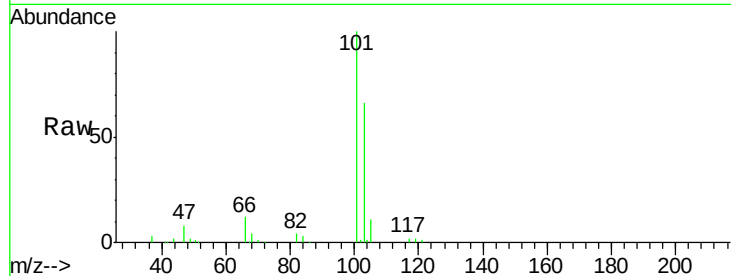
Trichlorofluoromethane
Concen: 44.120 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.5	75.7

Manual Integrations
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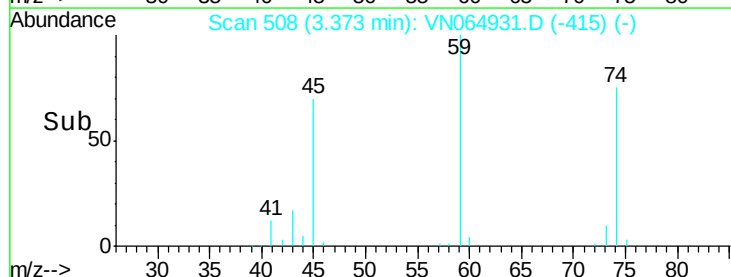
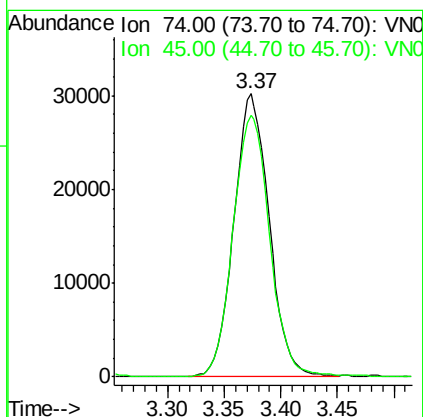
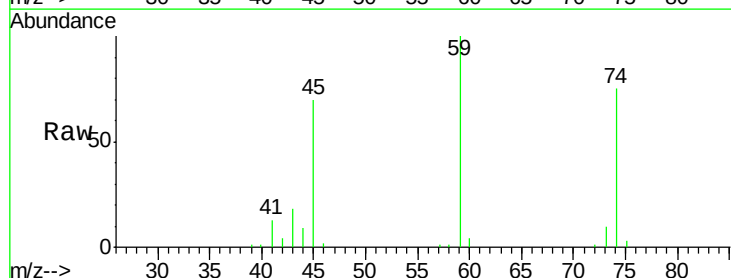
MMDadoda
12/7/2020 10:46:03 AM

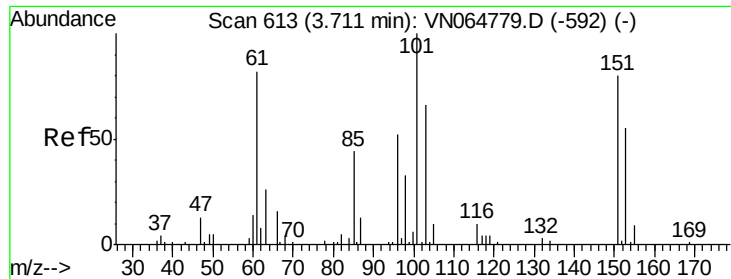


#8

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

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.090 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

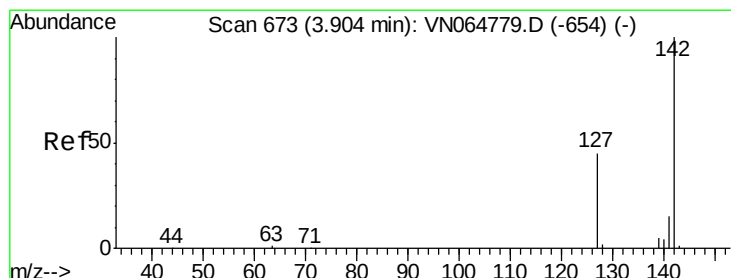
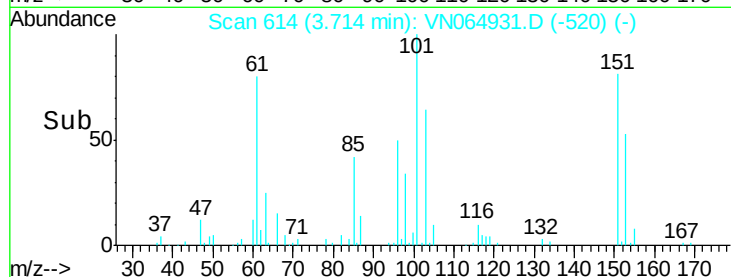
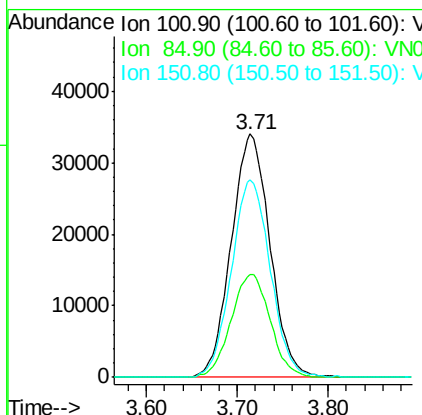
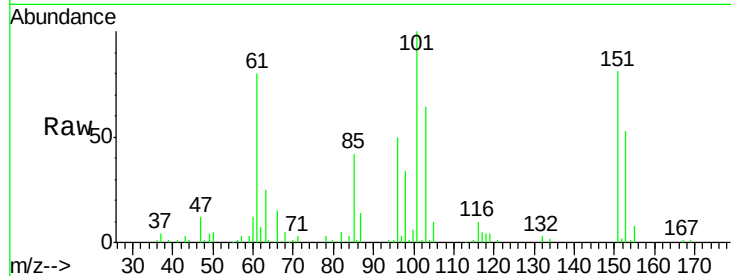
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	101	Resp:	100615
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	81.5	64.0	96.0

Manual Integrations
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MMDadoda
12/7/2020 10:46:03 AM



#10

Methyl Iodide

Concen: 35.348 ug/l

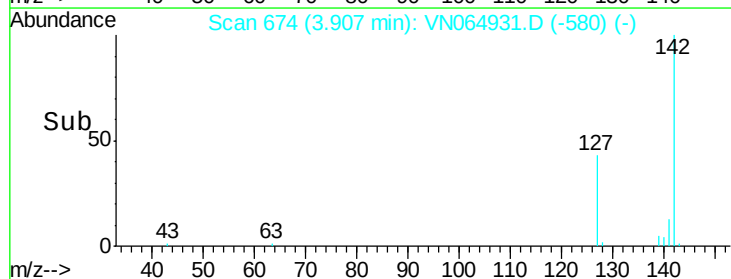
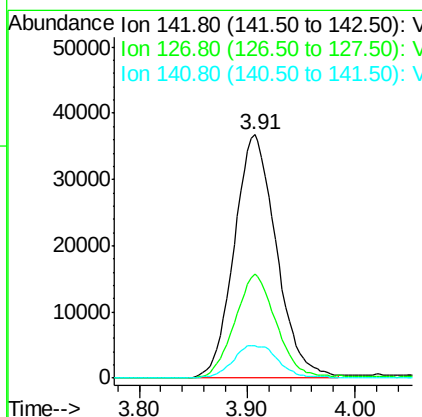
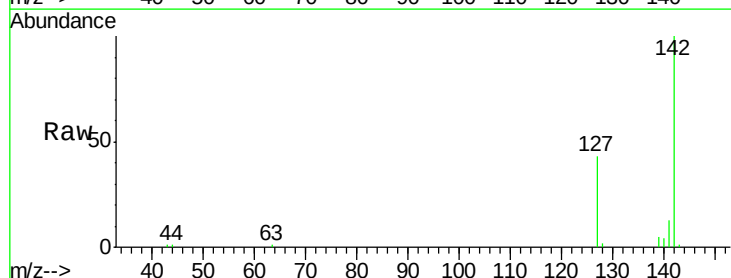
RT: 3.91 min Scan# 674

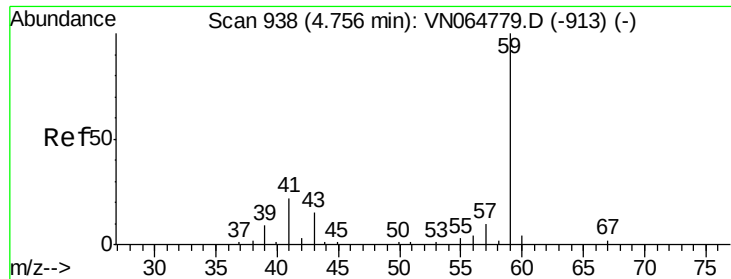
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion:	142	Resp:	100089
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.0	52.6
141	14.4	11.8	17.6





#11

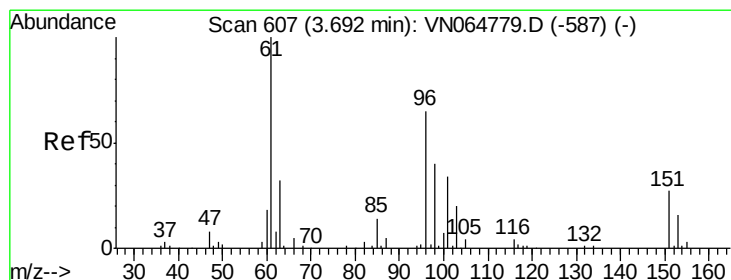
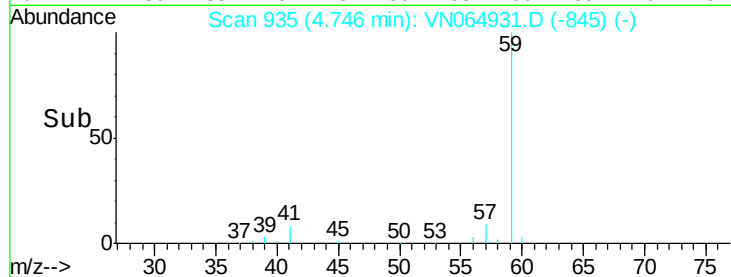
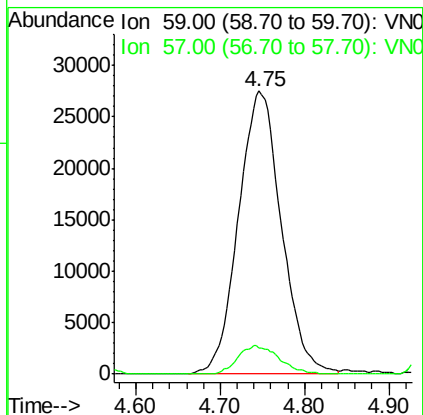
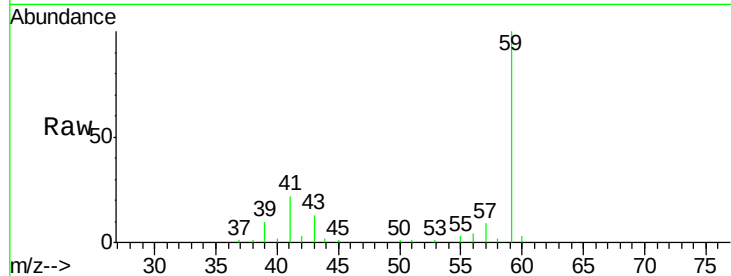
Tert butyl alcohol
 Concen: 239.334 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

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

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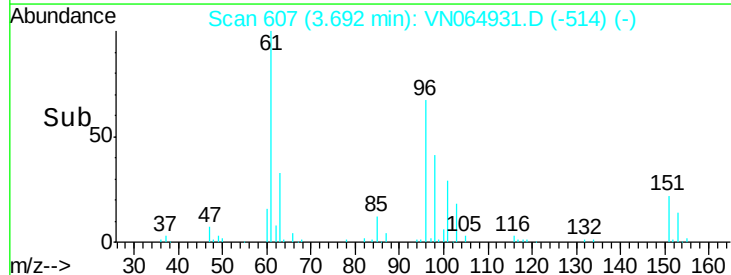
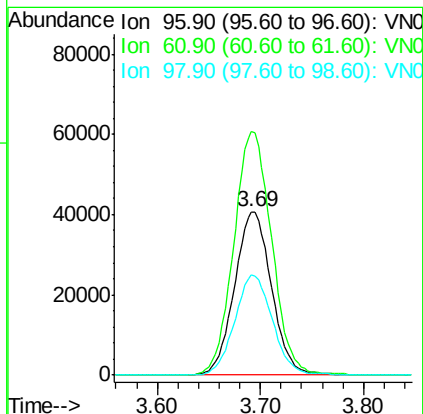
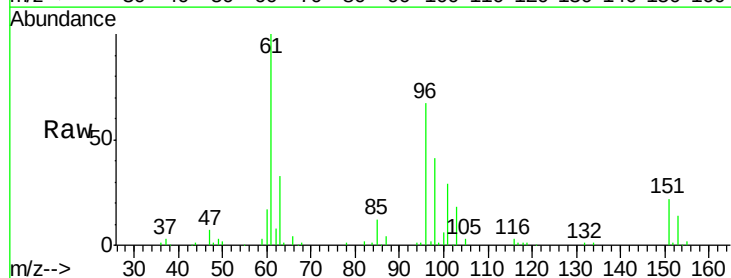
MMDadoda
 12/7/2020 10:46:03 AM

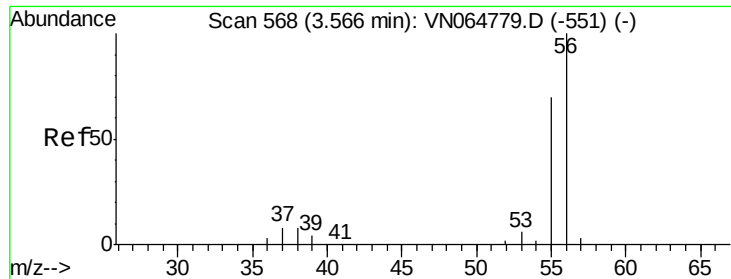


#12

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

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





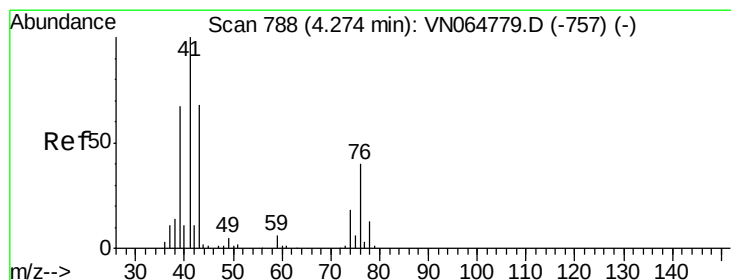
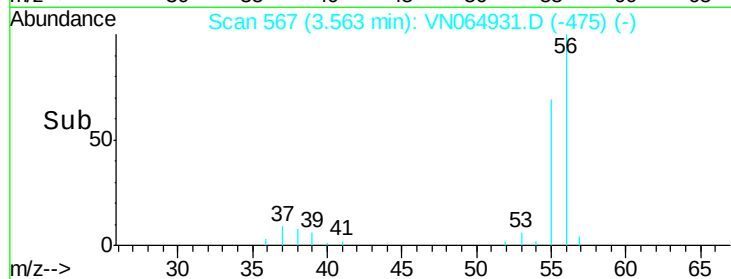
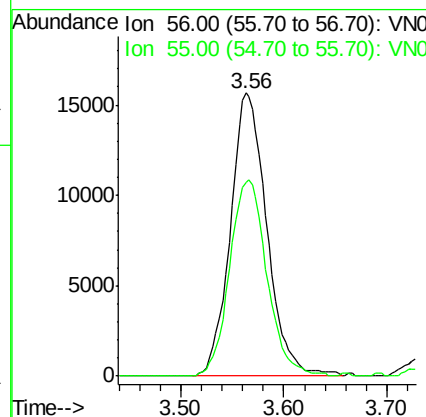
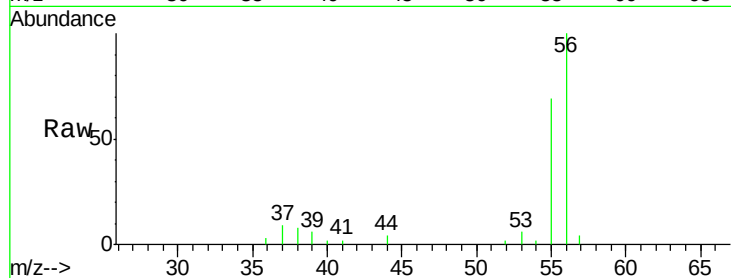
#13
Acrolein
Concen: 155.100 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.5	84.7

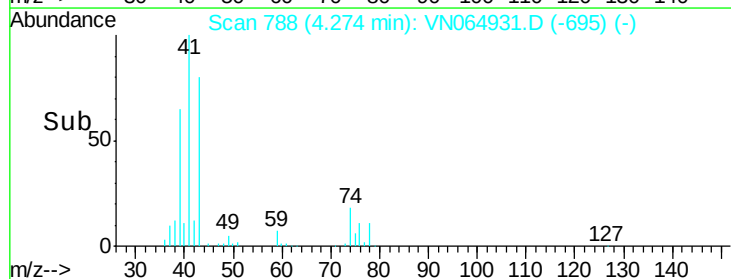
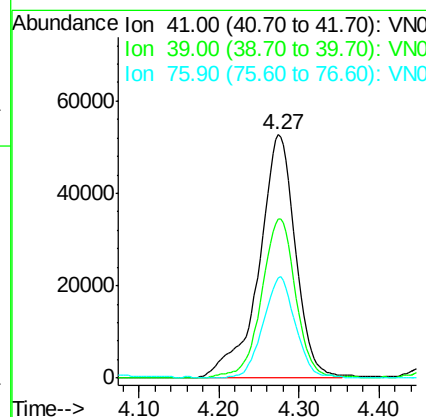
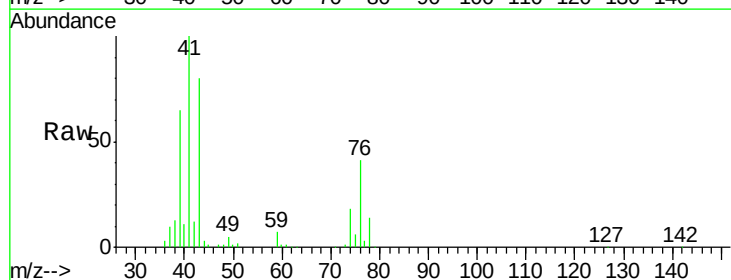
Manual Integrations
APPROVED

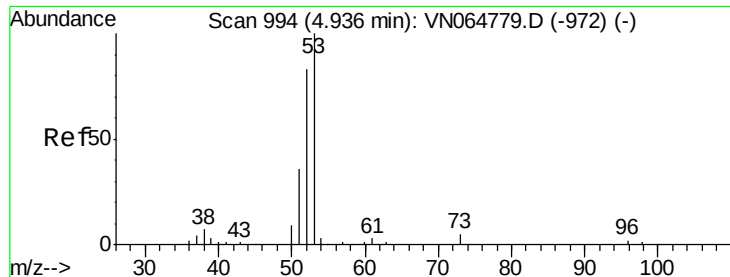
MMDadoda
12/7/2020 10:46:03 AM



#14
Allyl chloride
Concen: 46.321 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	50.9	76.3
76	36.9	29.0	43.4





#15

Acrylonitrile

Concen: 246.495 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

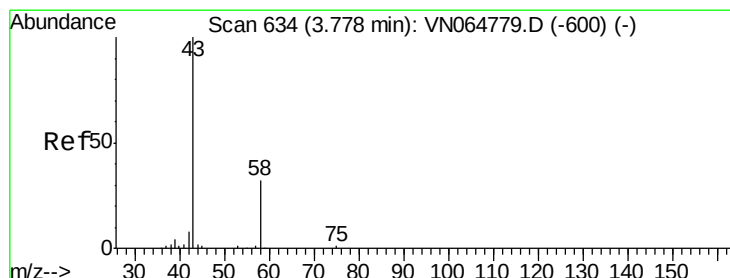
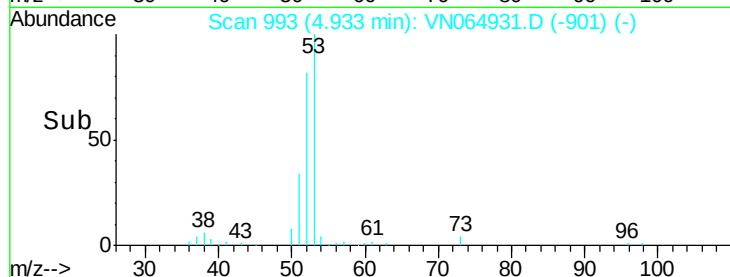
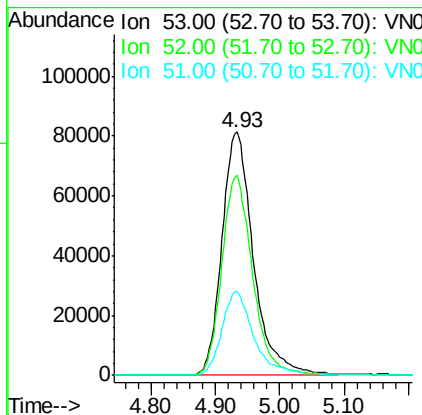
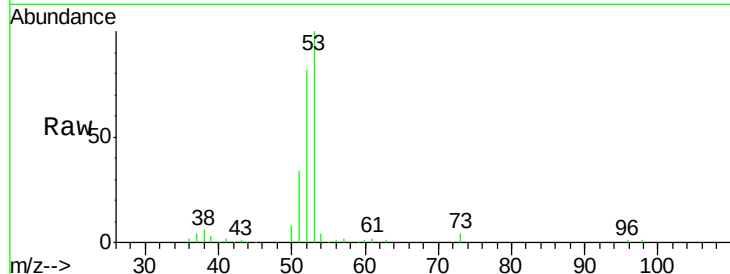
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	53	Resp:	276798
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.5	98.3
51	35.2	28.6	43.0

Manual Integrations
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12/7/2020 10:46:03 AM



#16

Acetone

Concen: 262.007 ug/l

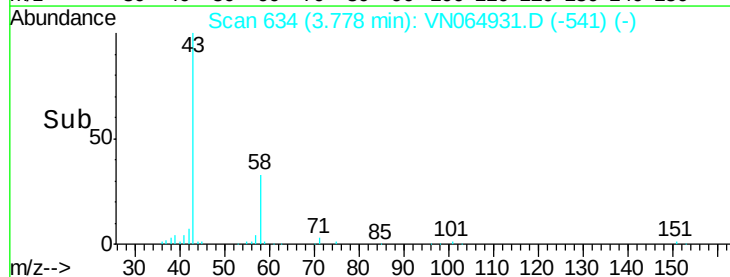
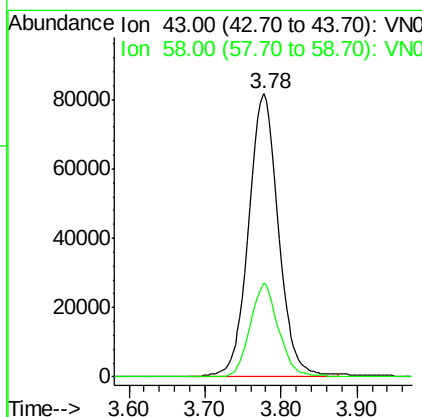
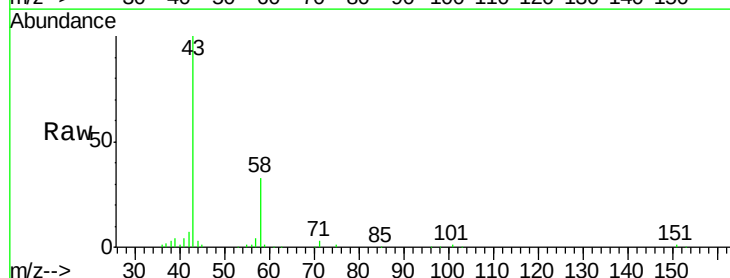
RT: 3.78 min Scan# 634

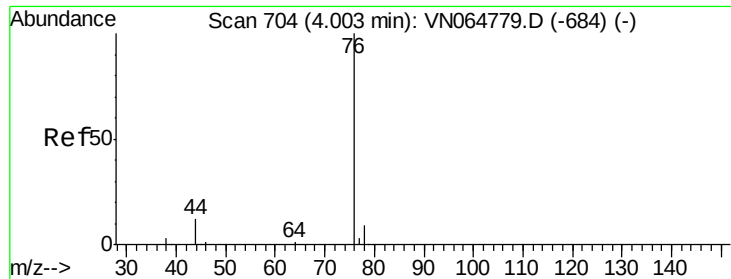
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion:	43	Resp:	224495
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.7	38.5





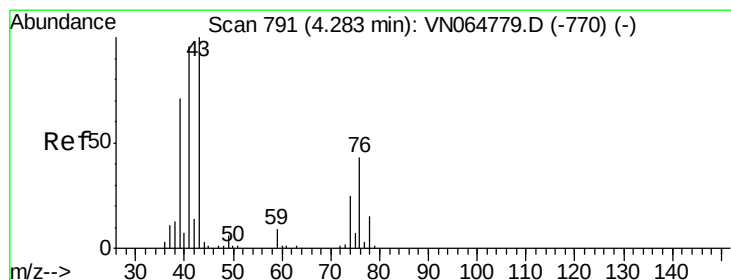
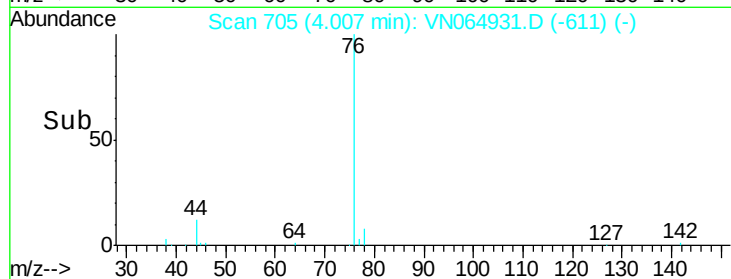
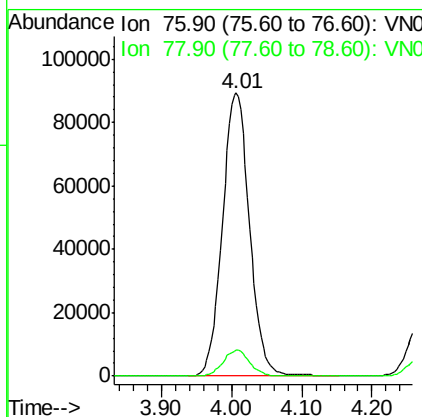
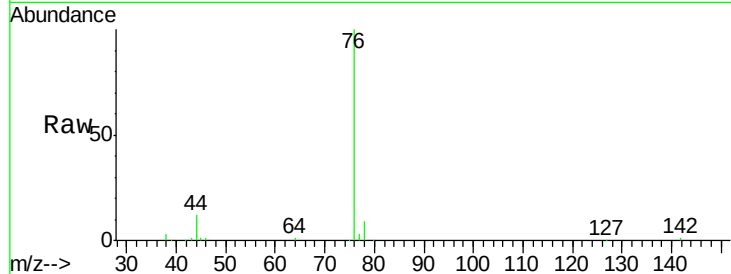
#17
Carbon Disulfide
Concen: 42.689 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

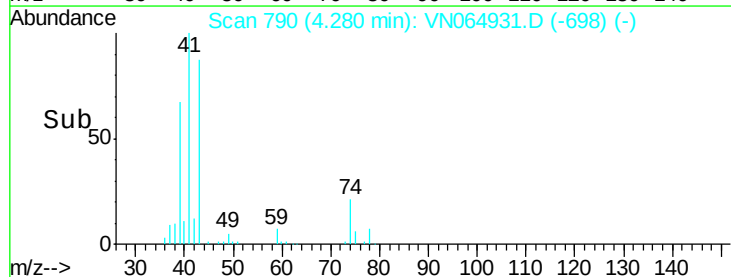
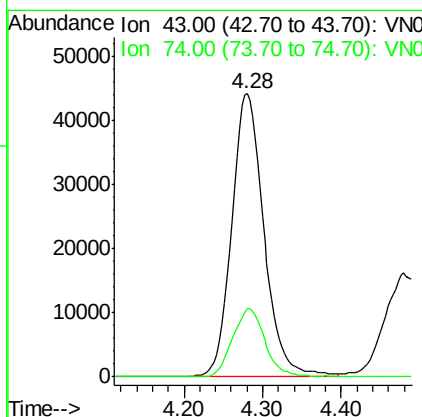
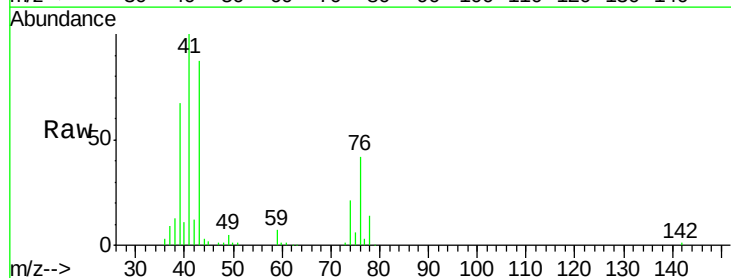
Manual Integrations
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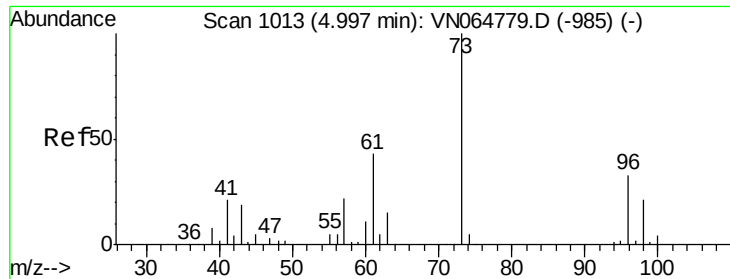
MMDadoda
12/7/2020 10:46:03 AM



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

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.2	30.2





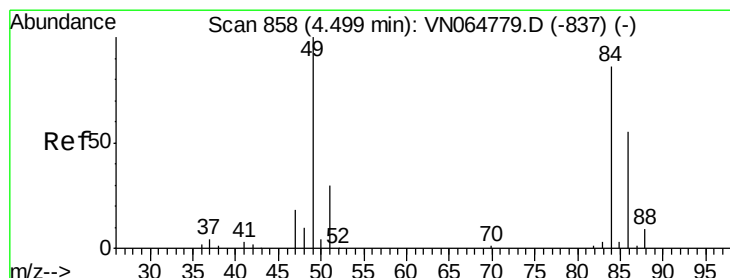
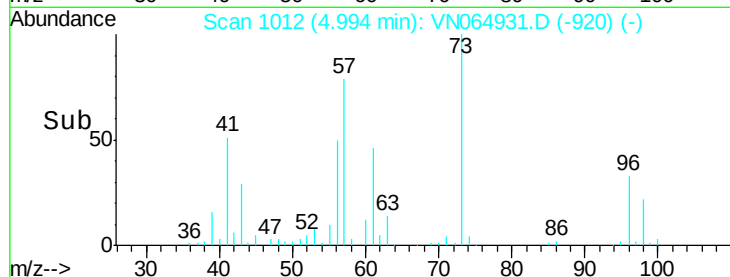
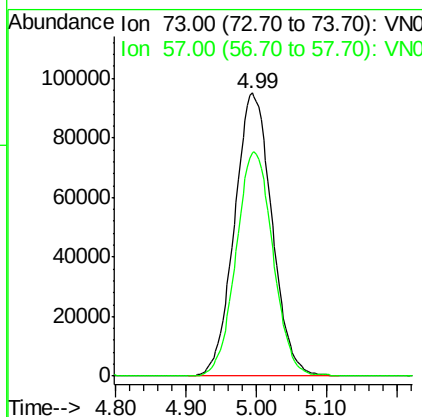
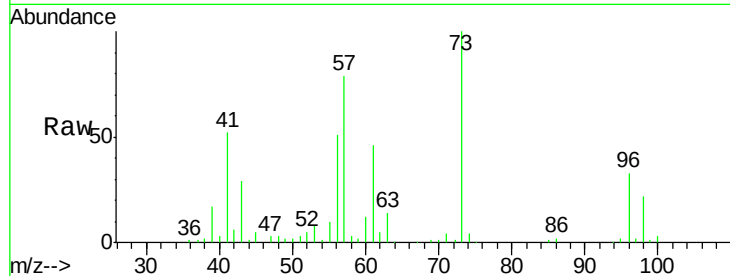
#19
Methyl tert-butyl Ether
Concen: 50.505 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

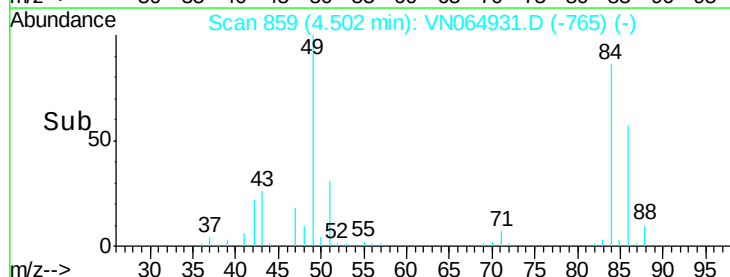
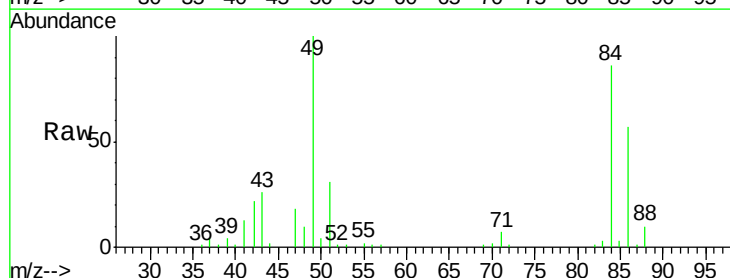
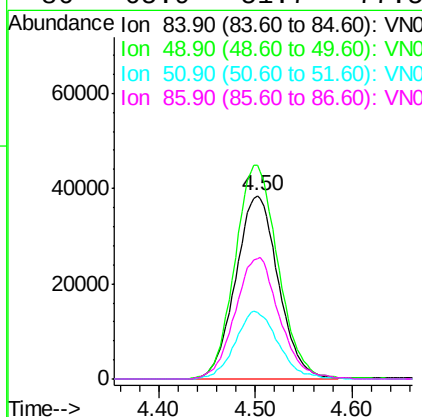
Manual Integrations
APPROVED

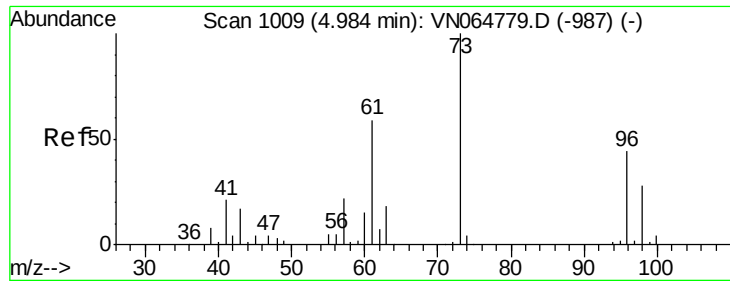
MMDadoda
12/7/2020 10:46:03 AM



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

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





#21

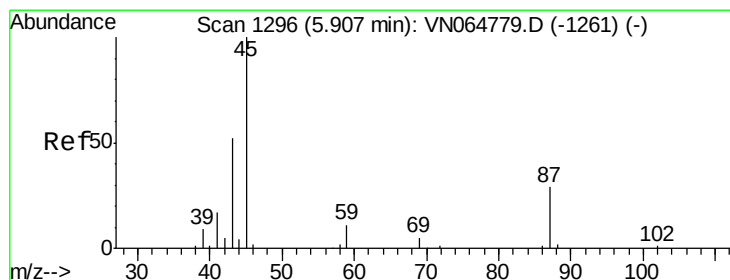
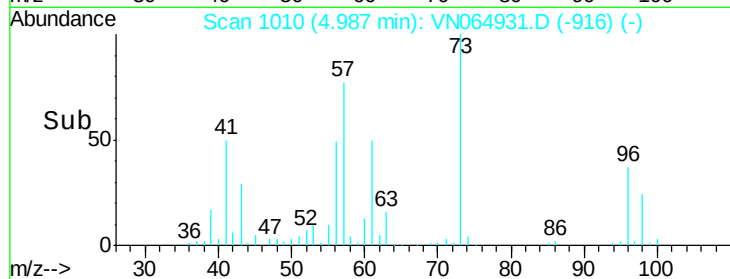
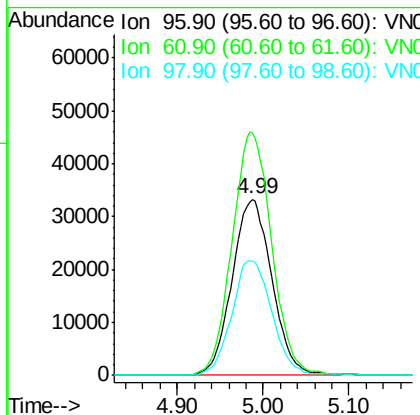
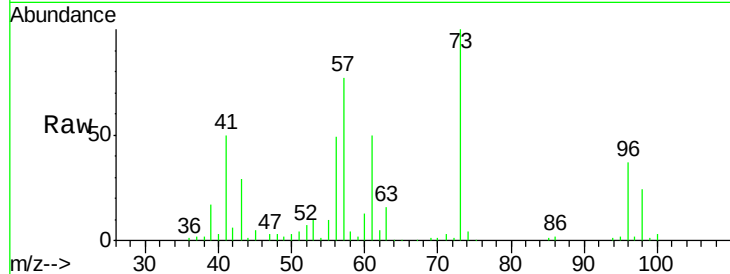
trans-1,2-Dichloroethene
Concen: 44.417 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	108.4	162.6
98	64.9	51.3	76.9

Manual Integrations
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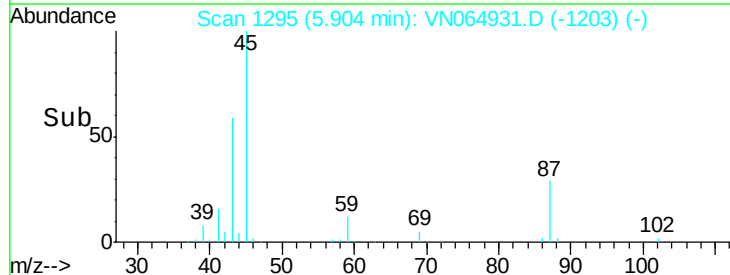
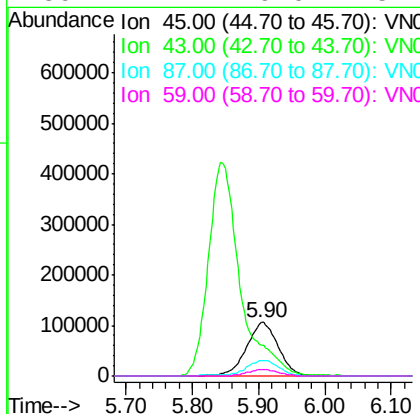
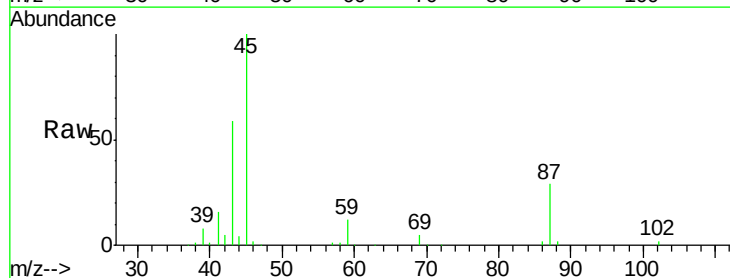
MMDadoda
12/7/2020 10:46:03 AM

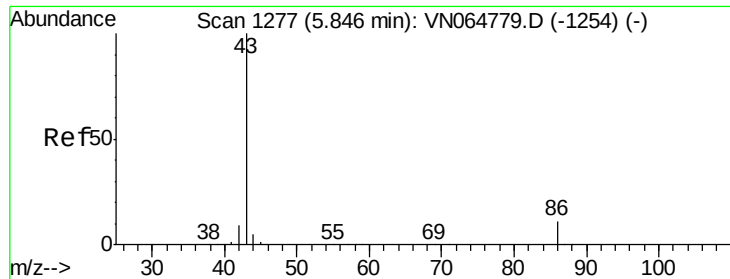


#22

Diisopropyl ether
Concen: 49.434 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.2	69.2
87	29.2	24.1	36.1
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 246.103 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 43 Resp: 1412506

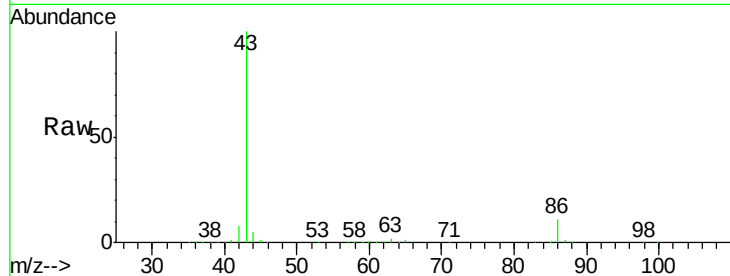
Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3

Manual Integrations
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12/7/2020 10:46:03 AM



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

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

5.84

400000

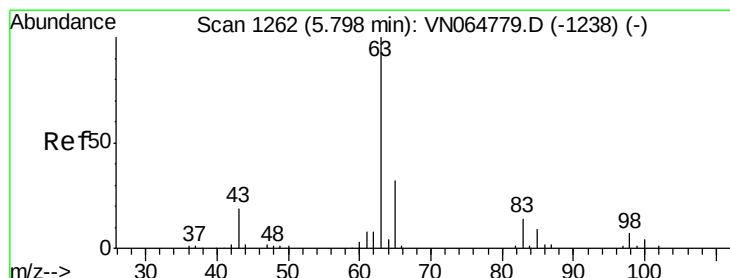
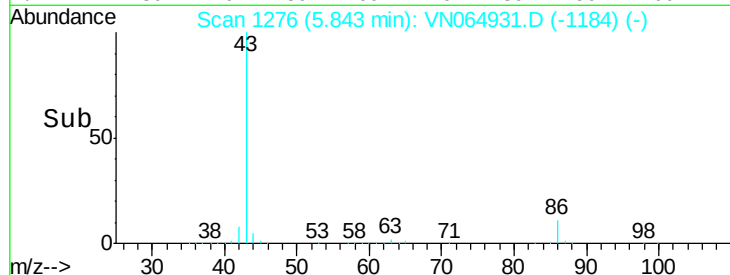
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.460 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

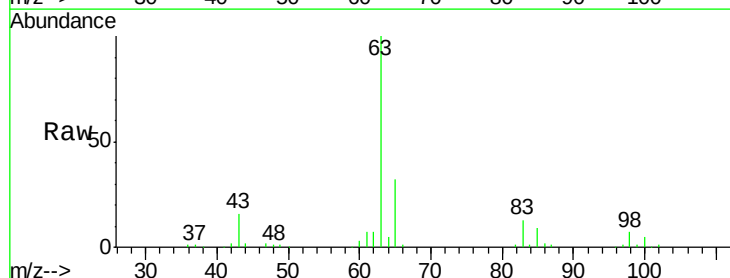
Tgt Ion: 63 Resp: 207865

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.5 2.3 6.8



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

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

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

5.79

80000

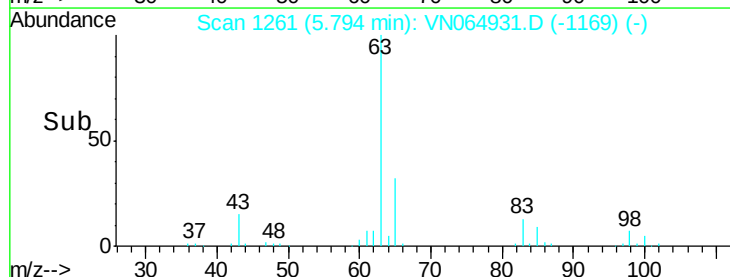
60000

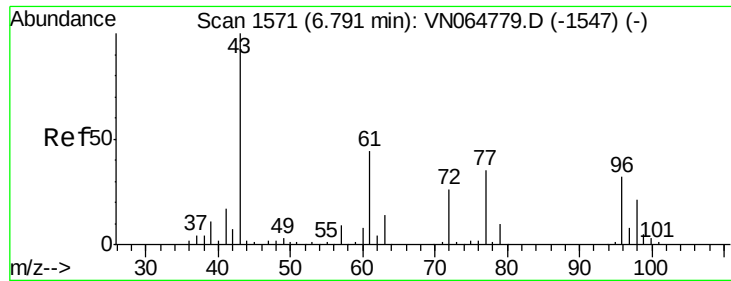
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.120 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 43 Resp: 340462

Ion Ratio Lower Upper

43 100

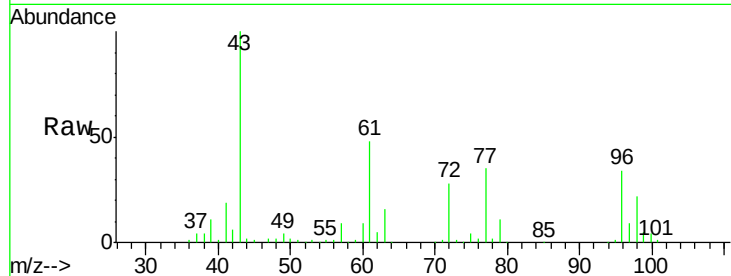
72 28.2 21.0 31.6

Manual Integrations

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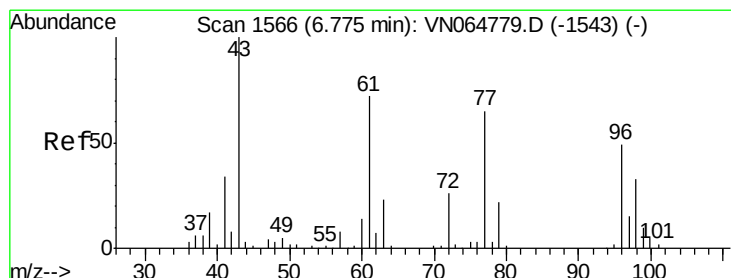
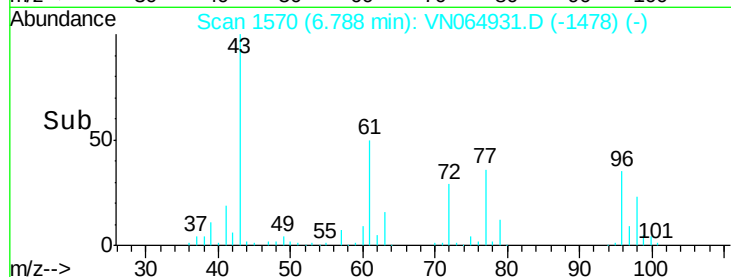
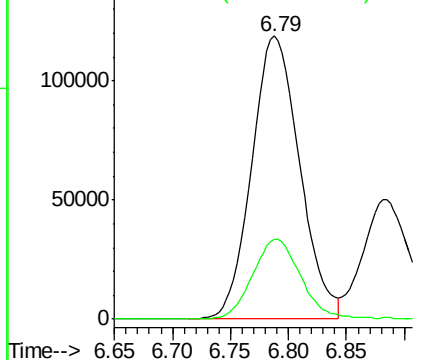
MMDadoda

12/7/2020 10:46:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.377 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064931.D

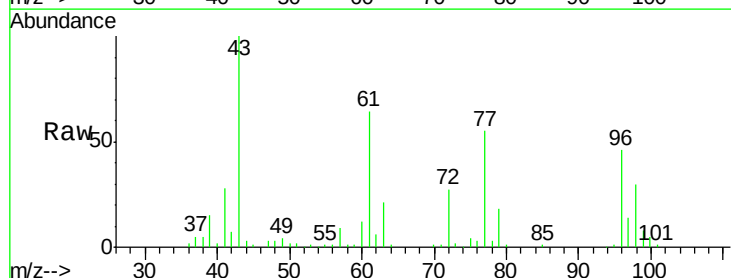
Acq: 4 Dec 2020 20:07

Tgt Ion: 77 Resp: 161371

Ion Ratio Lower Upper

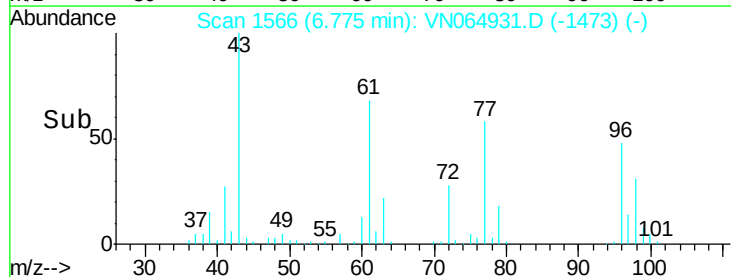
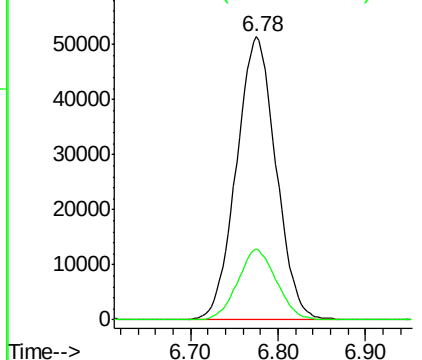
77 100

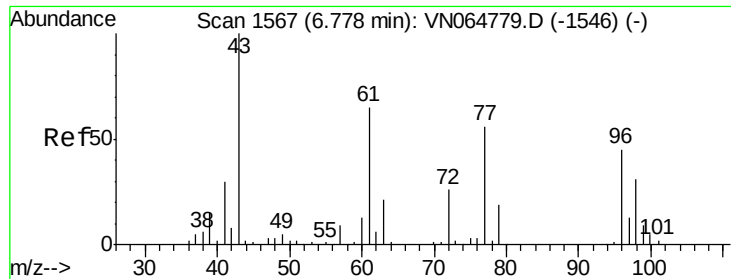
97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





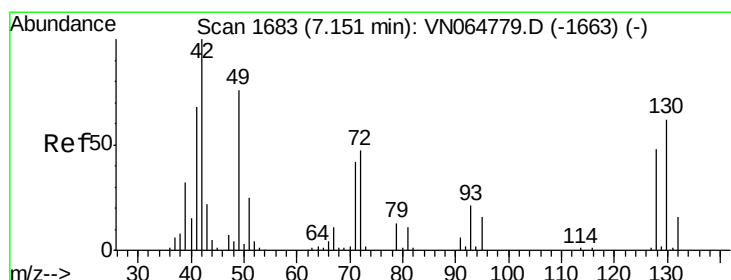
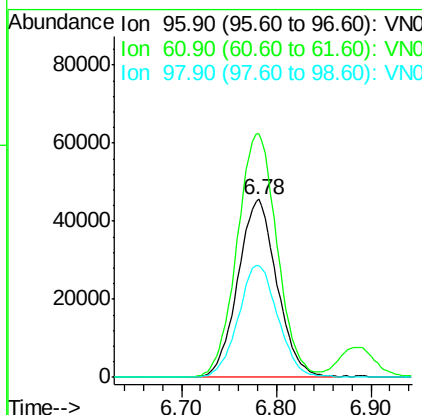
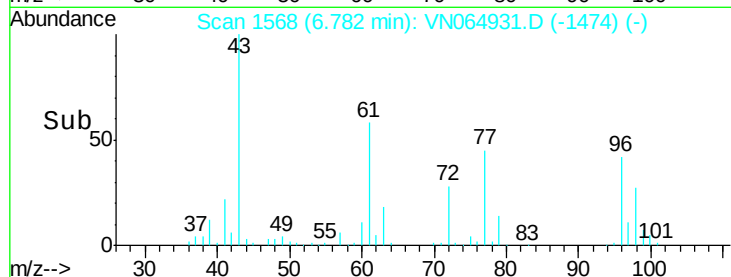
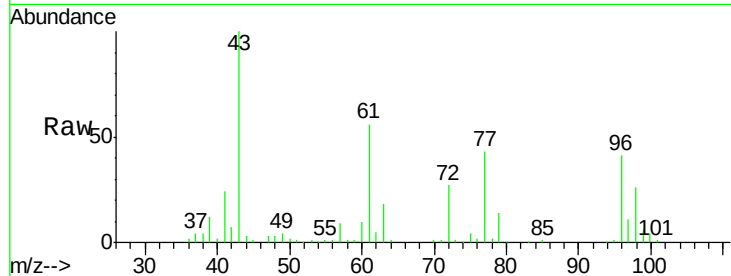
#27
 cis-1,2-Dichloroethene
 Concen: 48.241 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	285.8
98	64.0	0.0	130.6

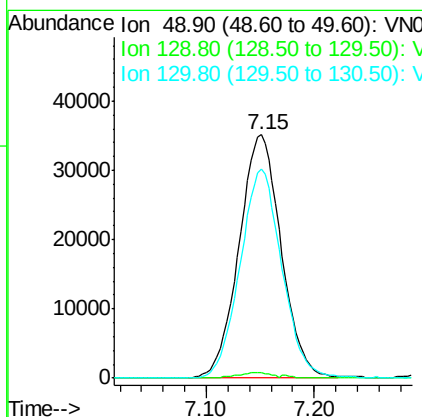
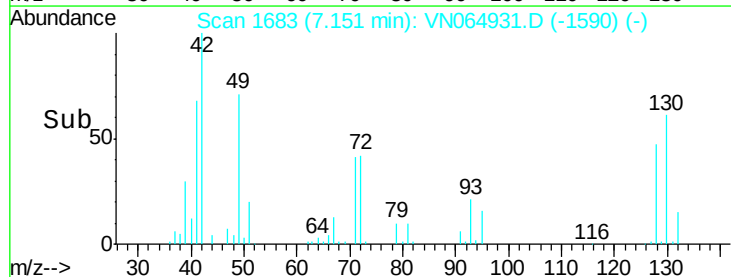
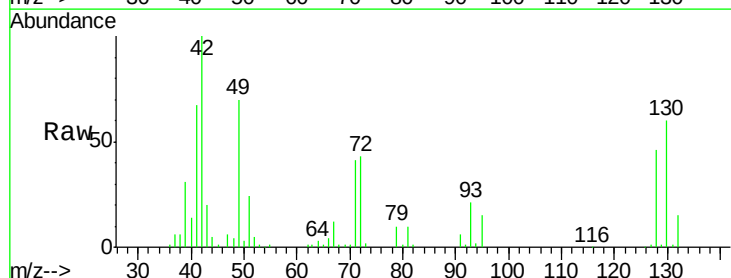
Manual Integrations
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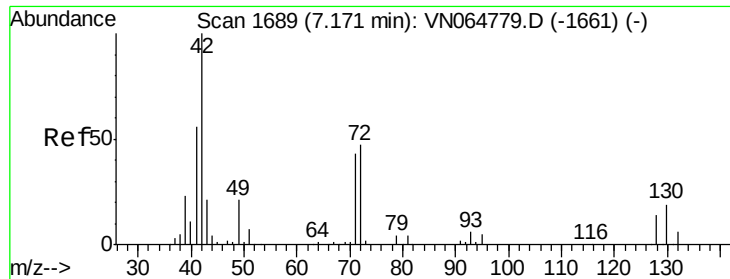
MMDadoda
 12/7/2020 10:46:03 AM



#28
 Bromochloromethane
 Concen: 48.525 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	85.3	66.2	99.2





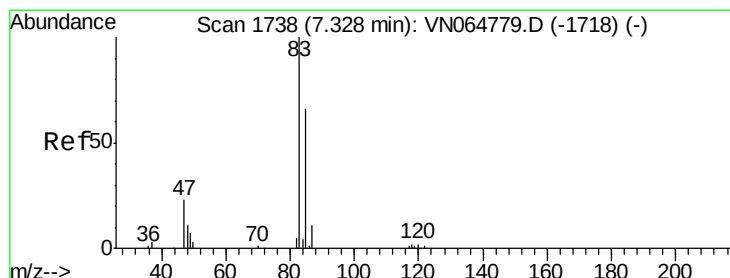
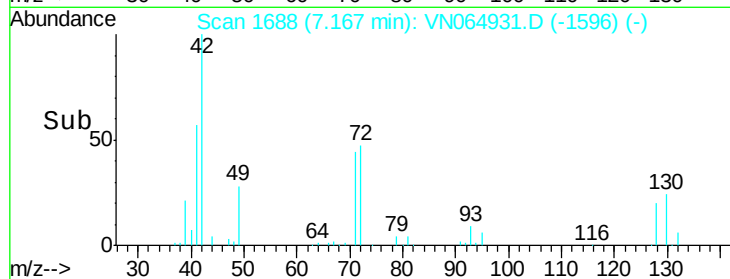
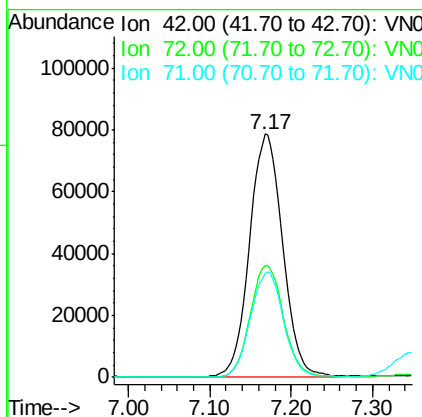
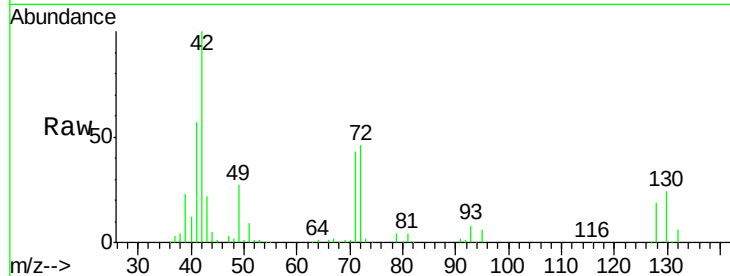
#29
Tetrahydrofuran
Concen: 230.909 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

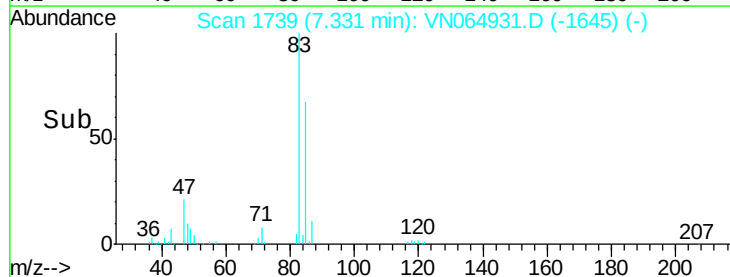
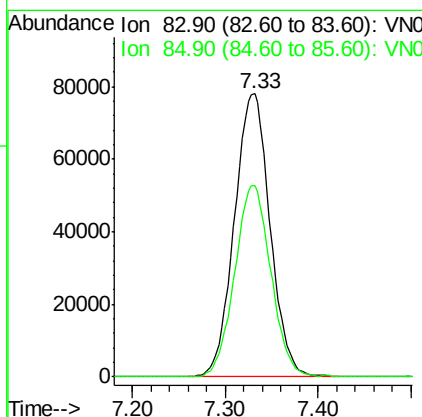
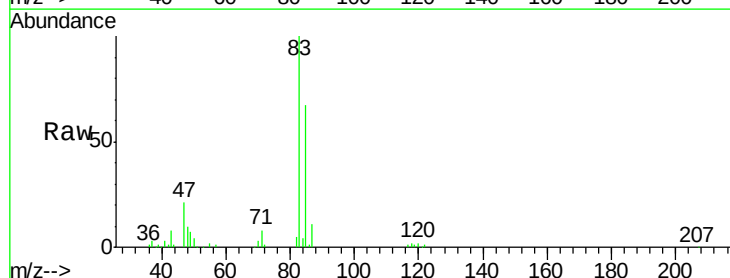
Manual Integrations
APPROVED

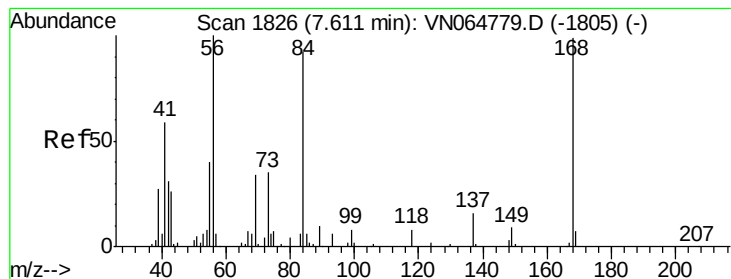
MMDadoda
12/7/2020 10:46:03 AM



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

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.6	78.8





#31

Cyclohexane

Concen: 121.409 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

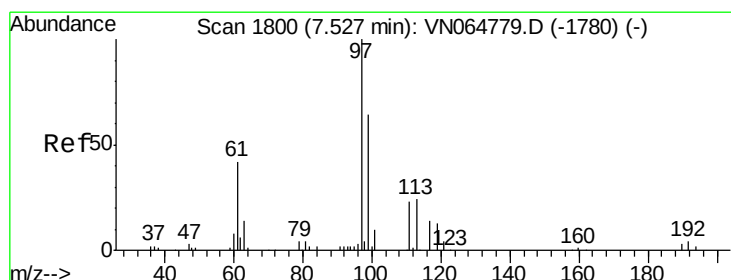
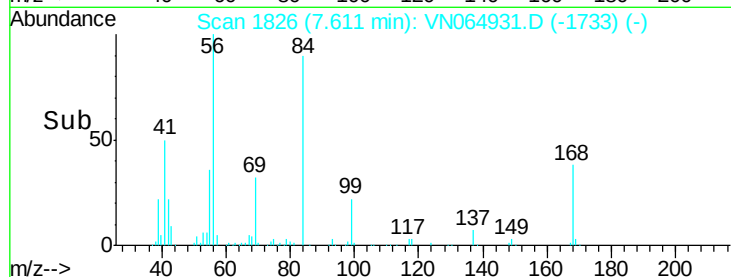
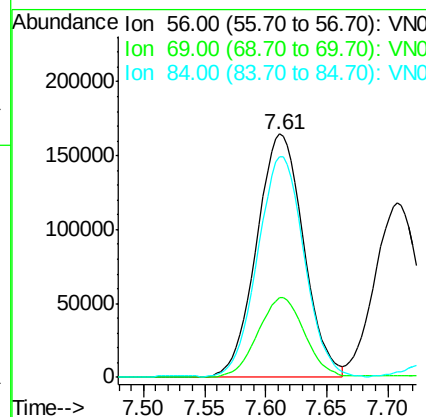
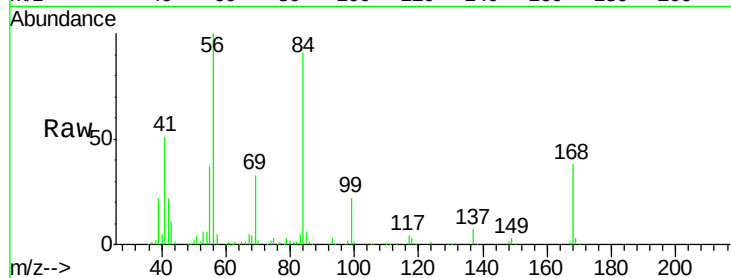
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	56	Resp:	441059
Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.5	41.3
84	90.3	73.9	110.9

Manual Integrations
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12/7/2020 10:46:03 AM



#32

1,1,1-Trichloroethane

Concen: 47.268 ug/l

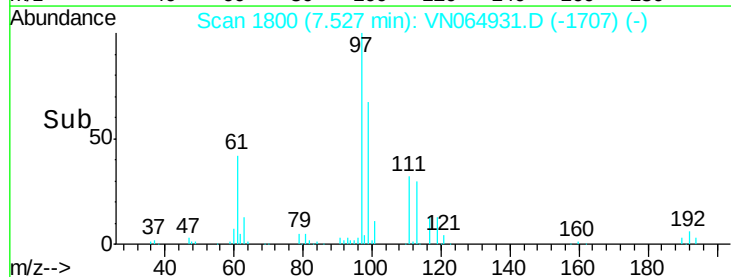
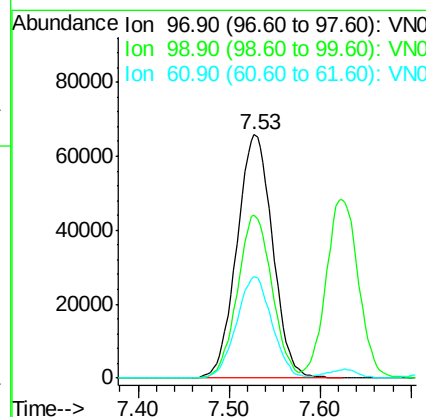
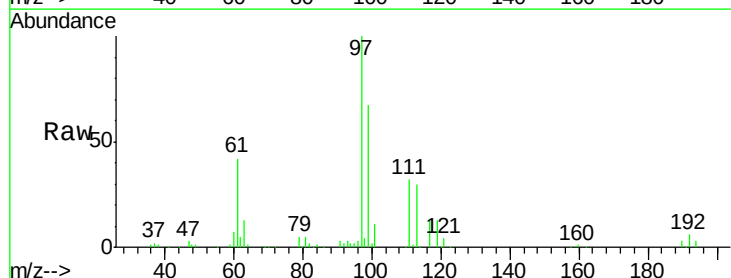
RT: 7.53 min Scan# 1800

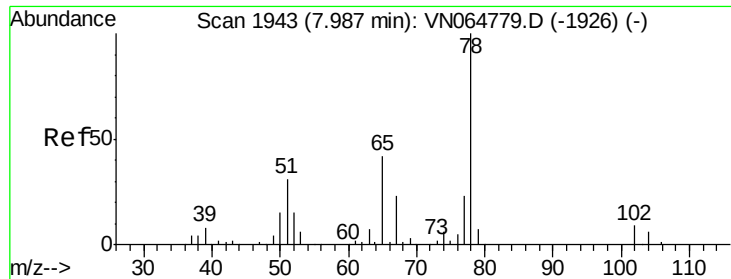
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion:	97	Resp:	179576
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	41.4	33.9	50.9





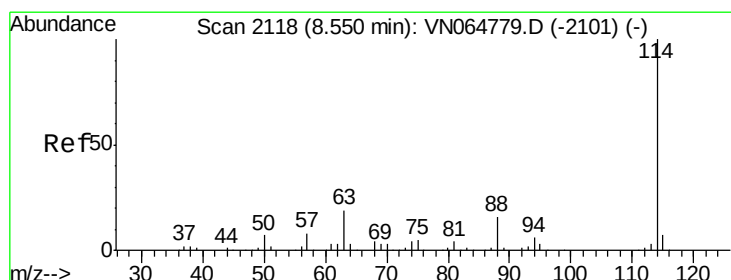
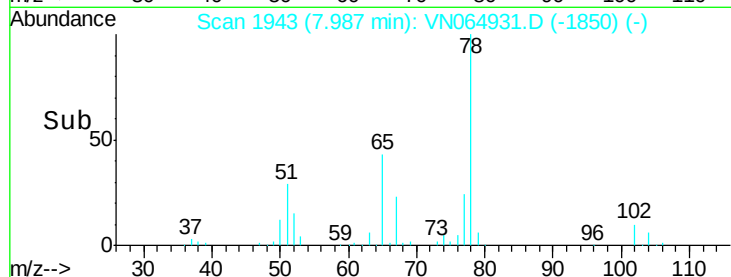
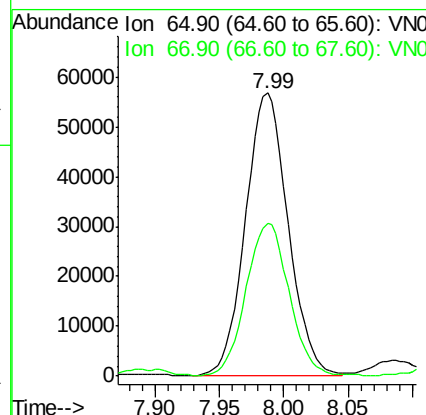
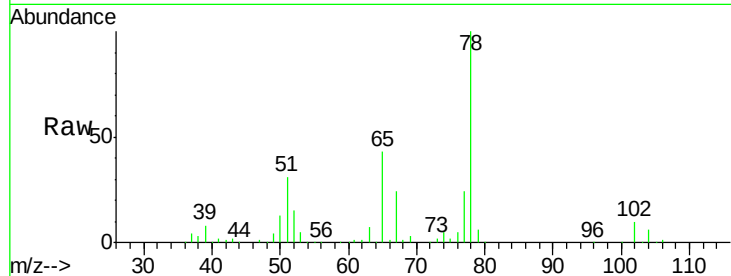
#33
 1,2-Dichloroethane-d4
 Concen: 50.228 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

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

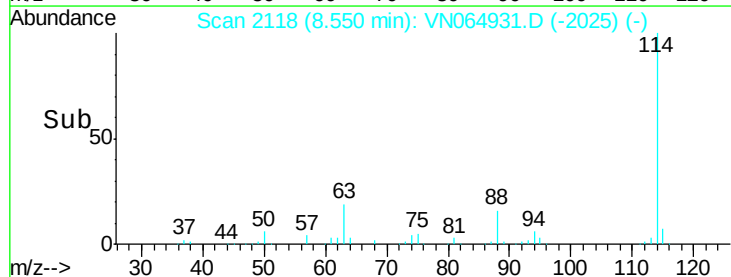
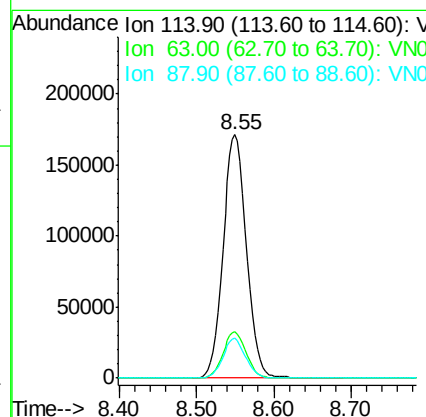
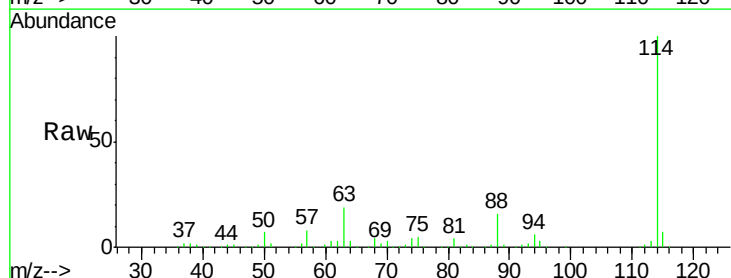
Manual Integrations
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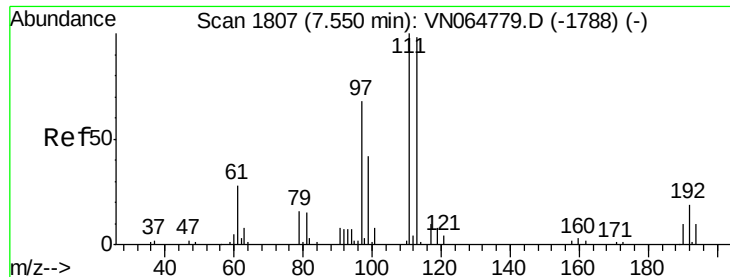
MMDadoda
 12/7/2020 10:46:03 AM



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

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





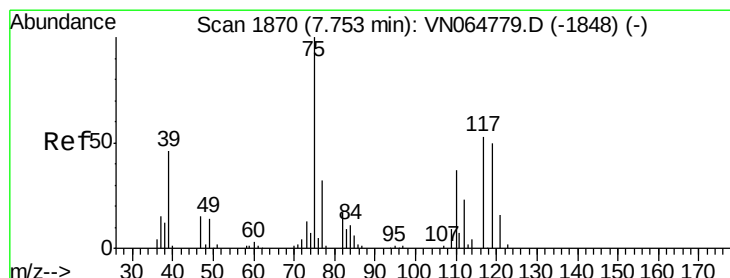
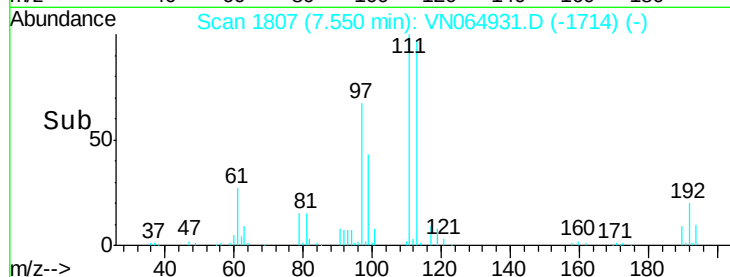
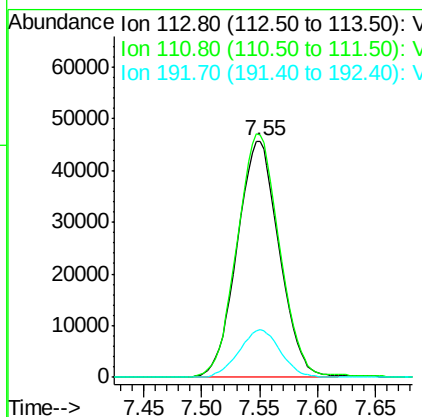
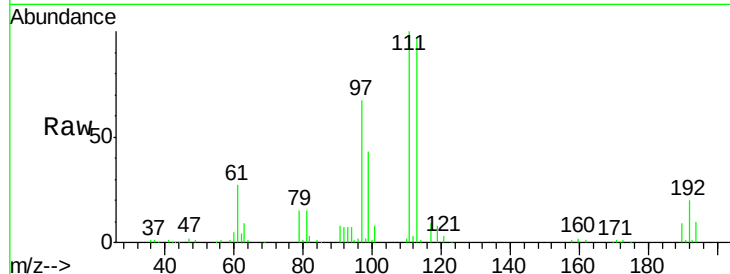
#35
 Dibromofluoromethane
 Concen: 53.610 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

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

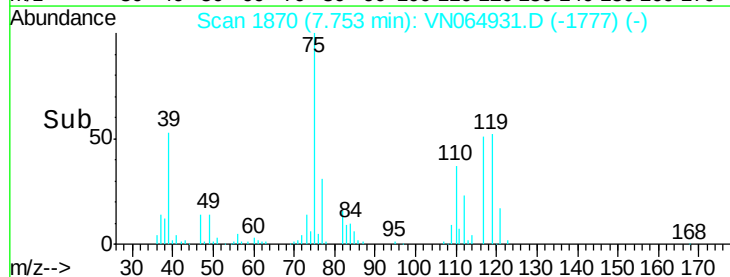
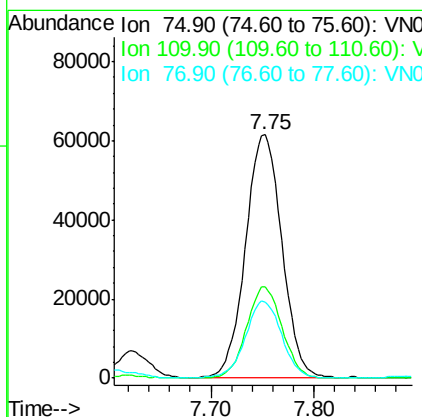
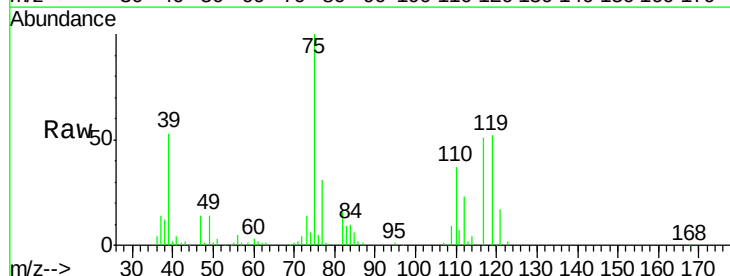
Manual Integrations
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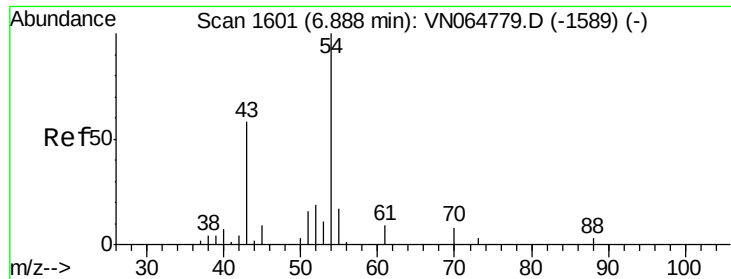
MMDadoda
 12/7/2020 10:46:03 AM



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

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





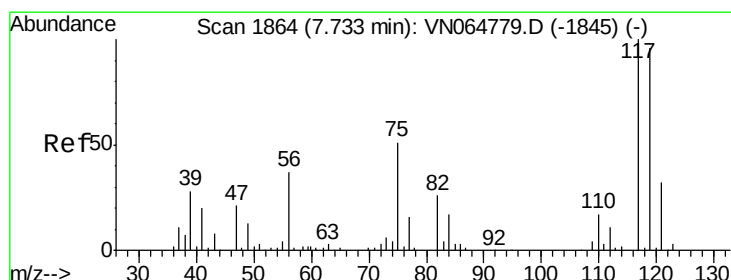
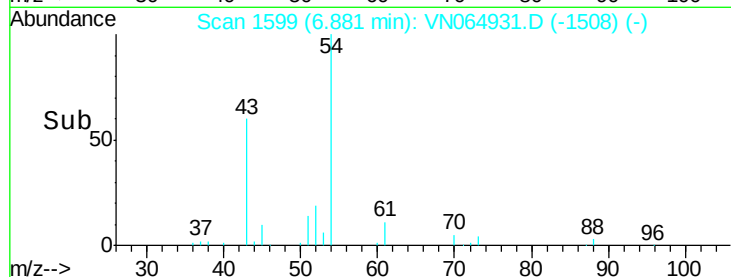
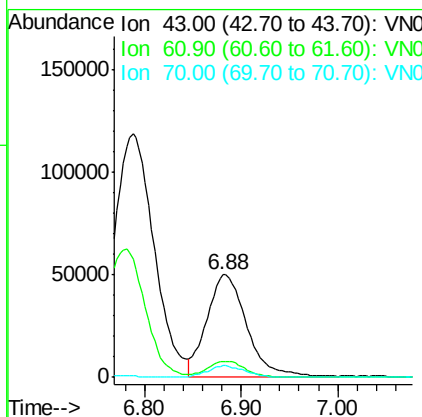
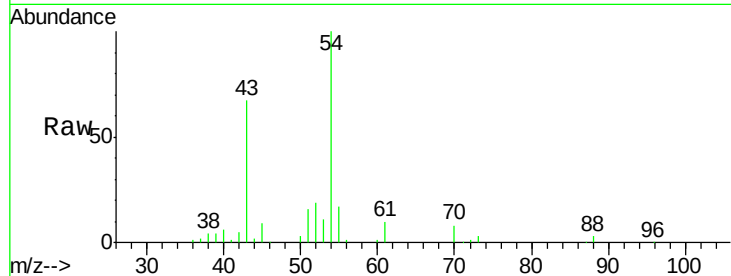
#37
Ethyl Acetate
Concen: 43.927 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

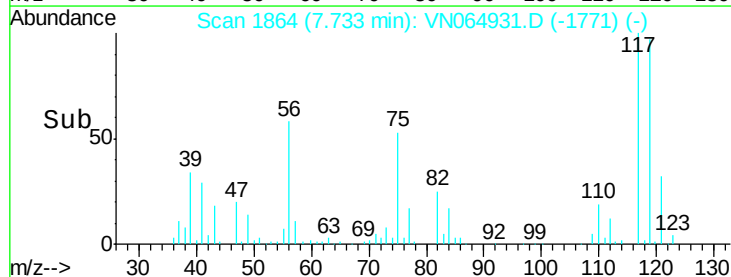
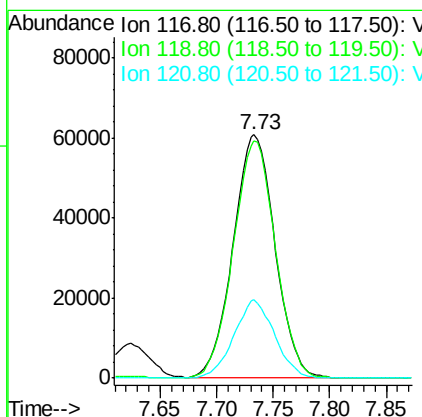
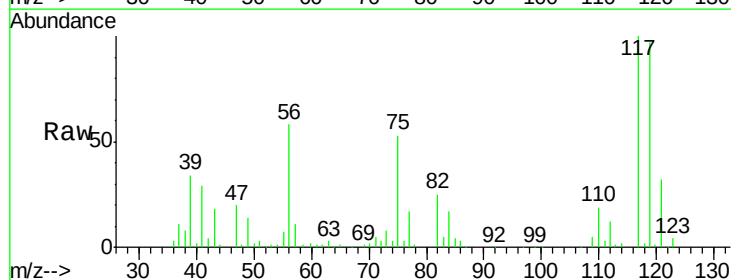
Manual Integrations
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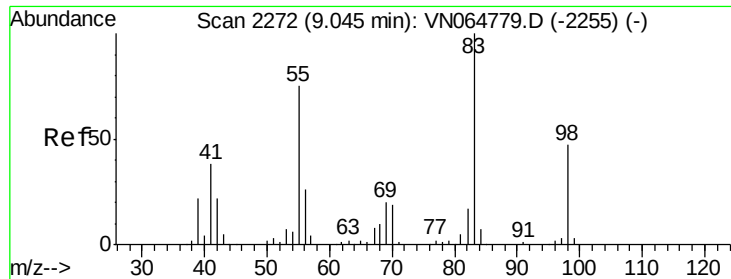
MMDadoda
12/7/2020 10:46:03 AM



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

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





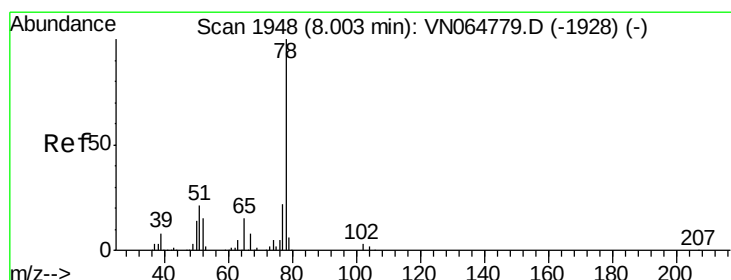
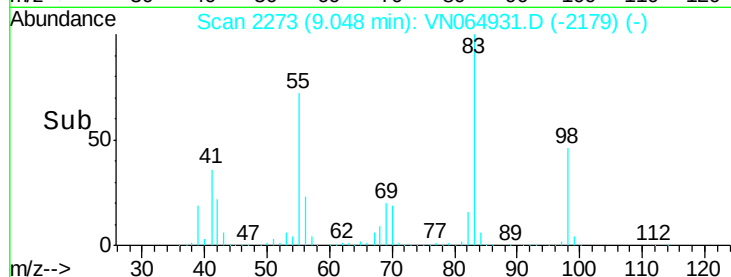
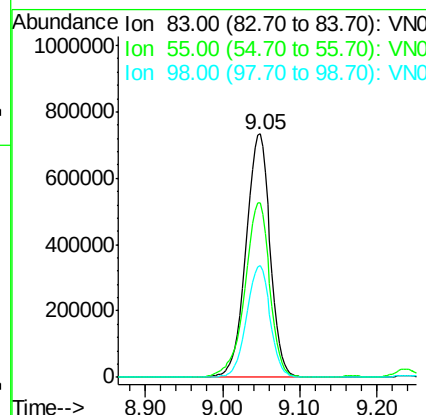
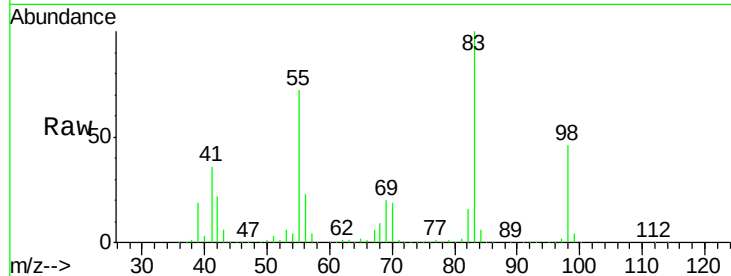
#39
Methylvlcyclohexane
Concen: 441.874 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion: 83 Resp: 1587066
Ion Ratio Lower Upper
83 100
55 71.6 60.2 90.2
98 45.8 37.4 56.2

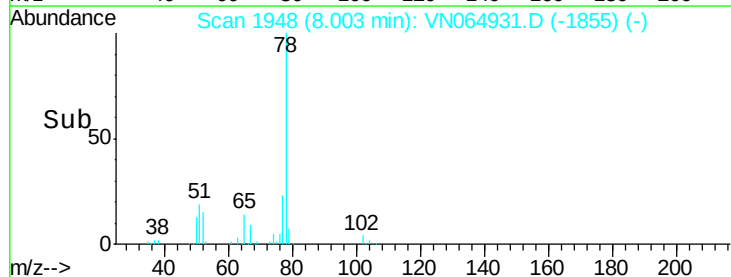
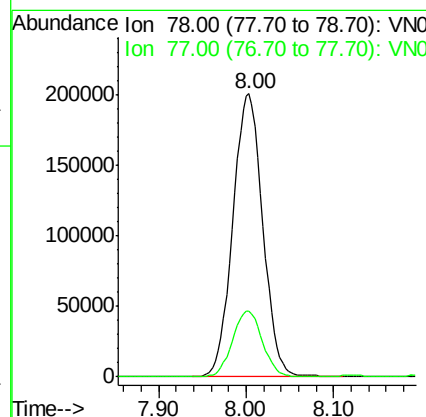
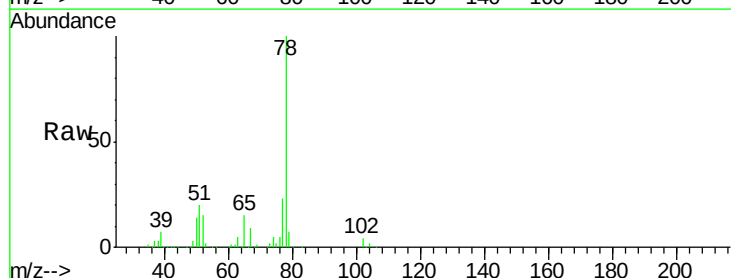
Manual Integrations
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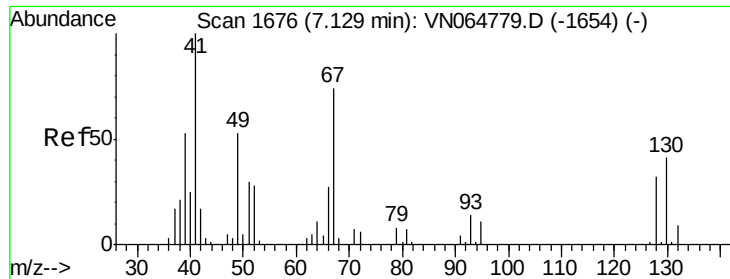
MMDadoda
12/7/2020 10:46:03 AM



#40
Benzene
Concen: 46.581 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion: 78 Resp: 476244
Ion Ratio Lower Upper
78 100
77 23.2 17.9 26.9





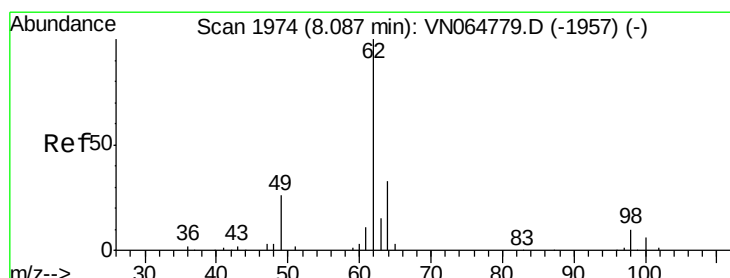
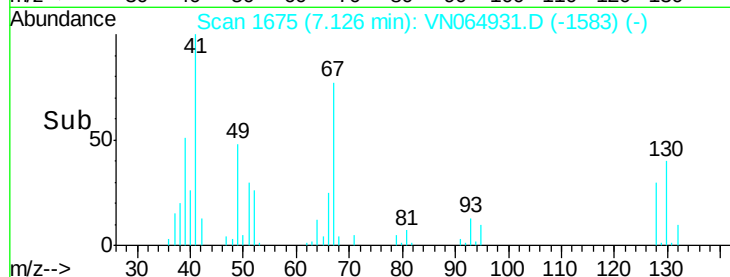
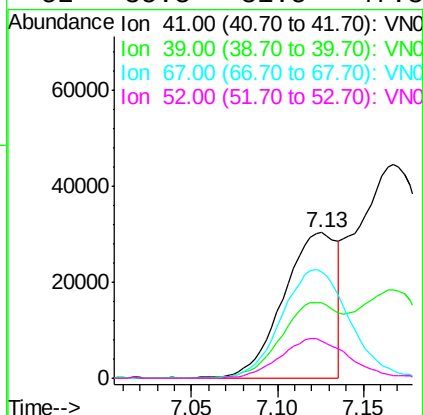
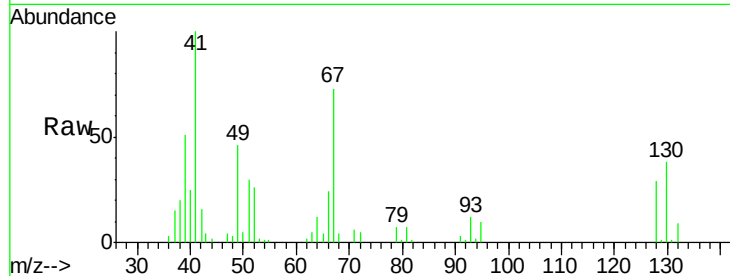
#41
Methacrylonitrile
Concen: 44.285 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

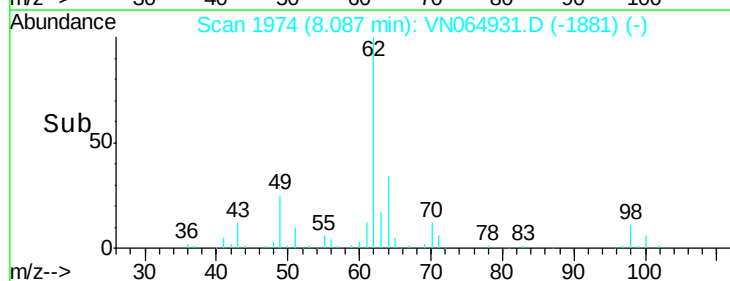
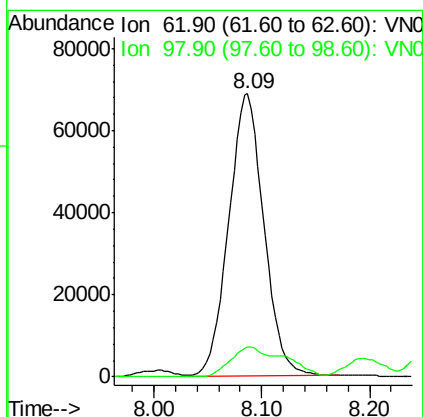
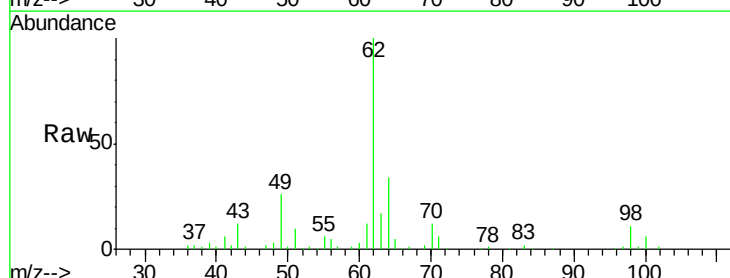
Manual Integrations
APPROVED

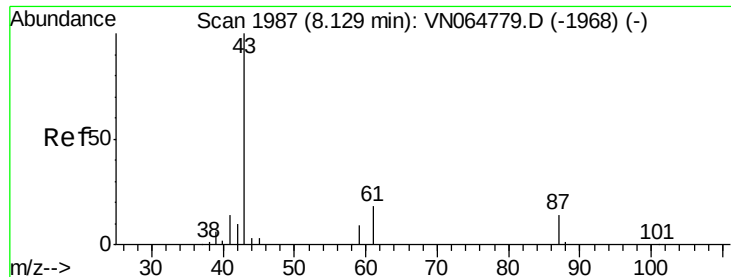
MMDadoda
12/7/2020 10:46:03 AM



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

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





#43

Isopropyl Acetate

Concen: 55.000 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

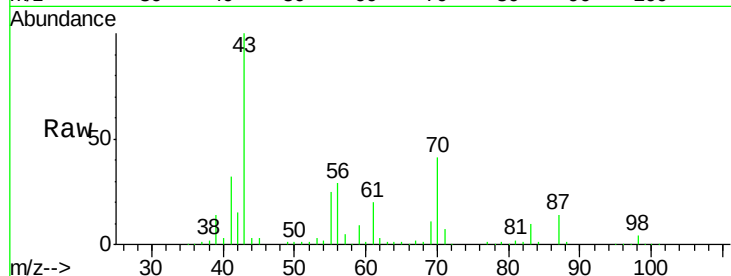
ClientSampleId :

SS013-13-6702-120220MS

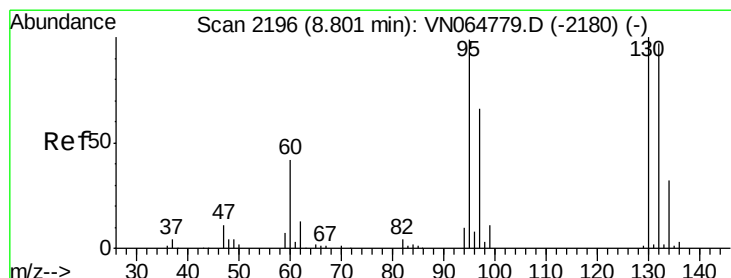
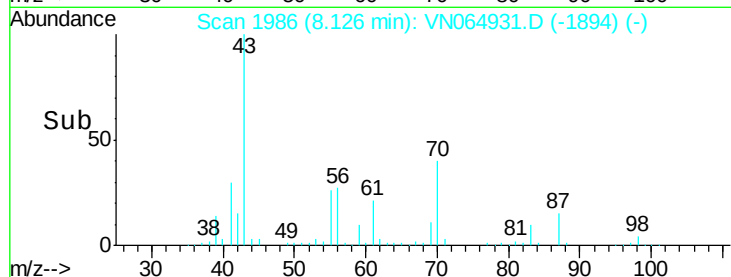
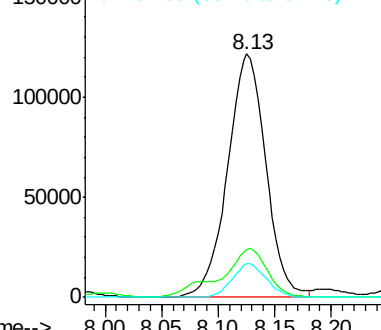
Tot Ion:	43	Resp:	284436
Ion	Ratio	Lower	Upper
43	100		
61	18.6	17.2	25.8
87	12.5	11.4	17.0

Manual Integrations
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MMDadoda
12/7/2020 10:46:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)



#44

Trichloroethene

Concen: 43.171 ug/l

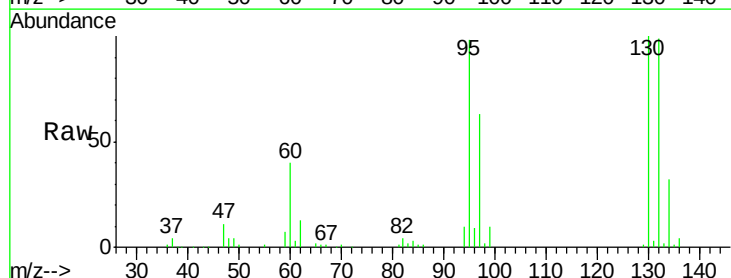
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

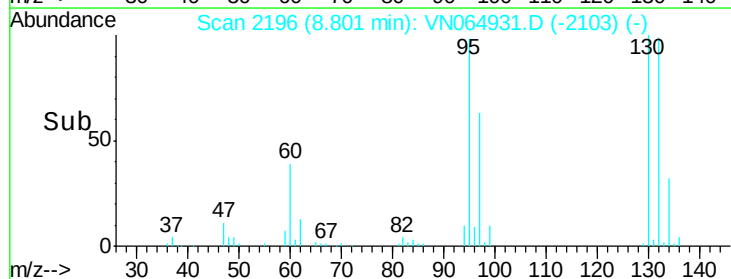
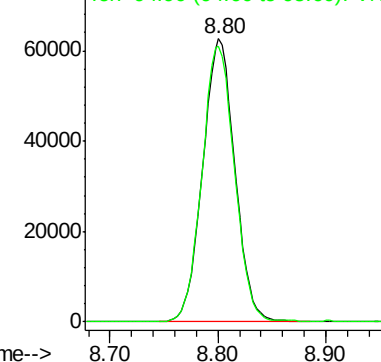
Lab File: VN064931.D

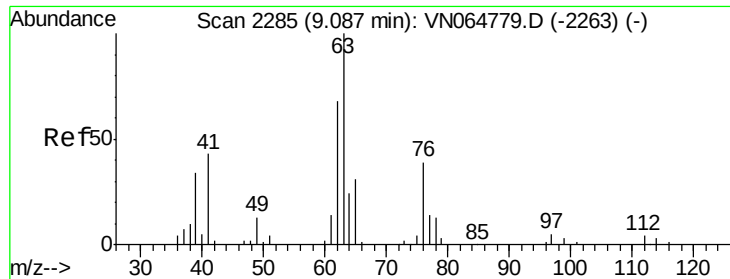
Acq: 4 Dec 2020 20:07

Tgt Ion:	130	Resp:	130229
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)





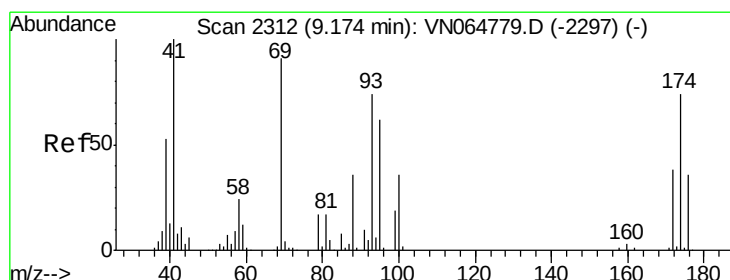
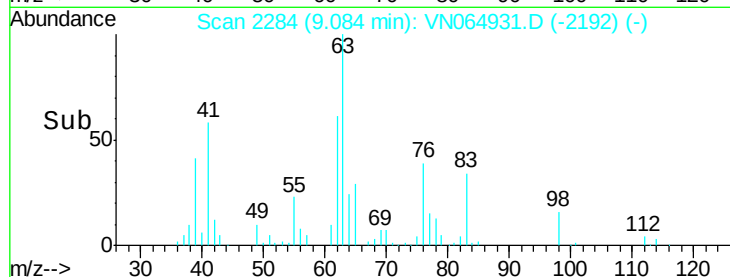
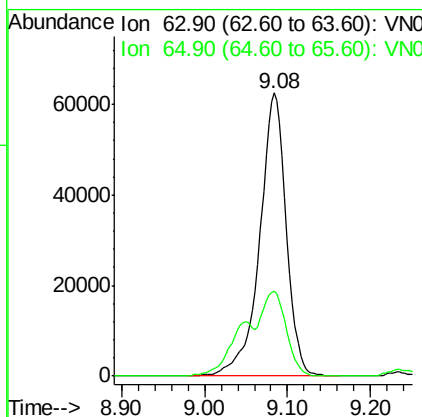
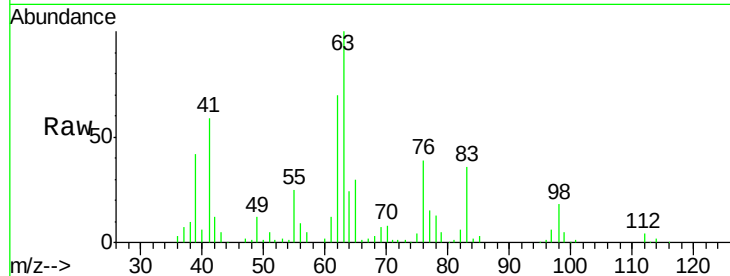
#45
 1,2-Dichloropropane
 Concen: 52.920 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

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

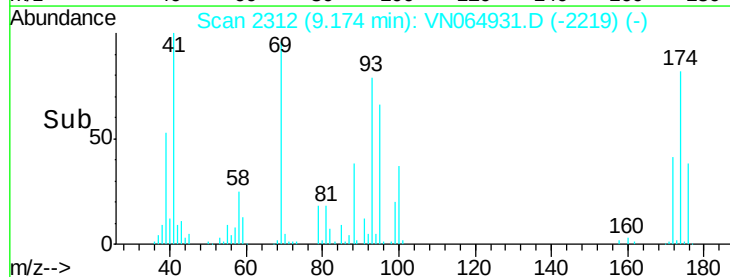
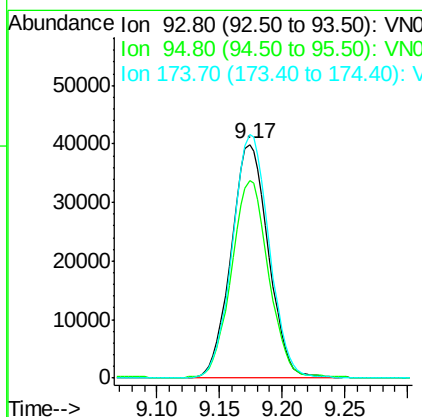
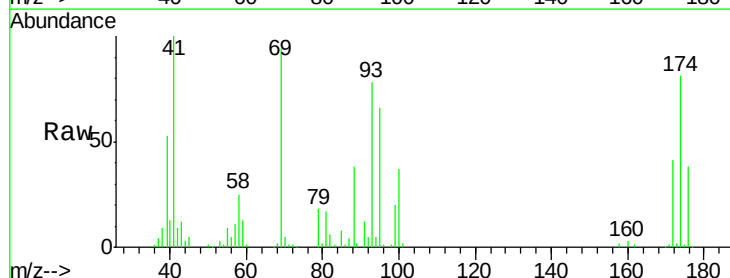
Manual Integrations
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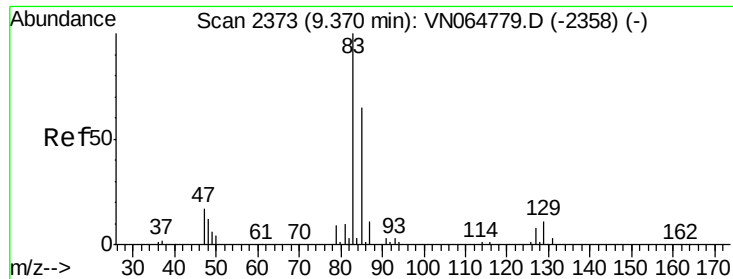
MMDadoda
 12/7/2020 10:46:03 AM



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

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





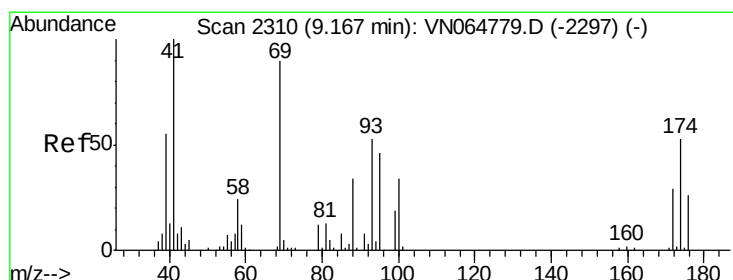
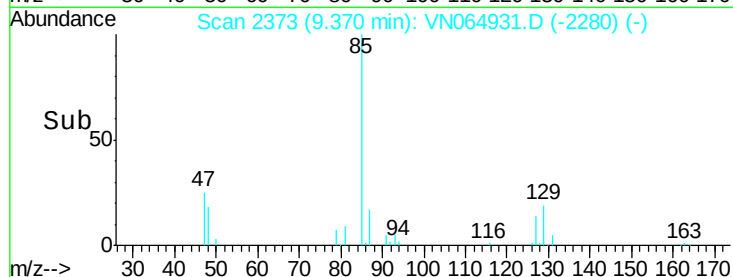
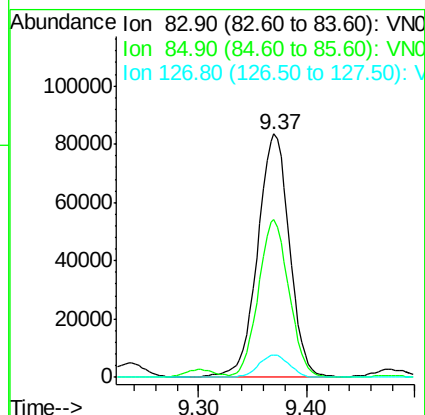
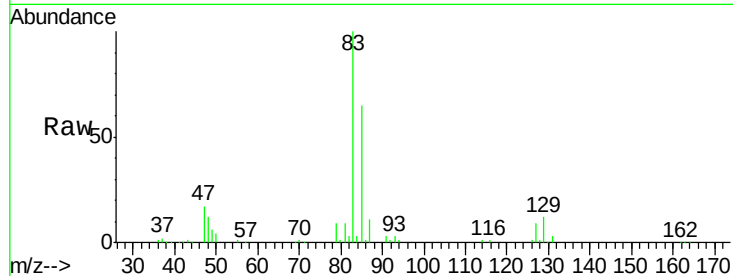
#47
Bromodichloromethane
Concen: 48.160 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	83	Resp	171406
Ion Ratio	100		
Lower	51.8		
Upper	77.8		
85	64.6		
127	9.2		

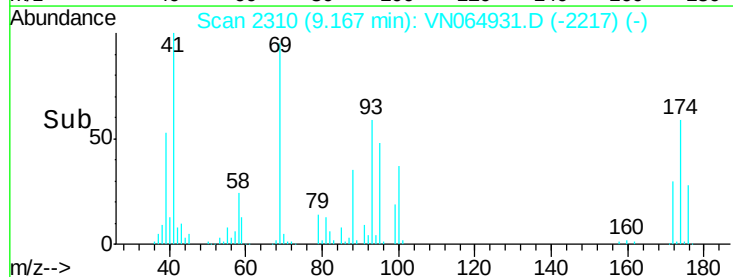
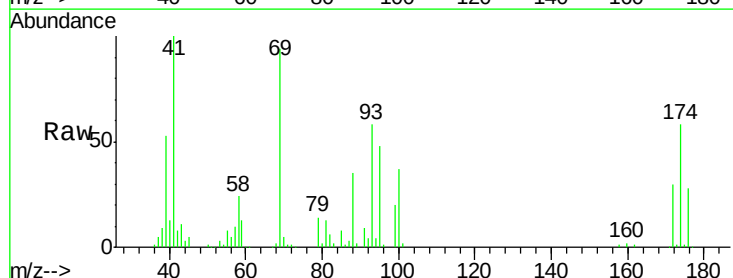
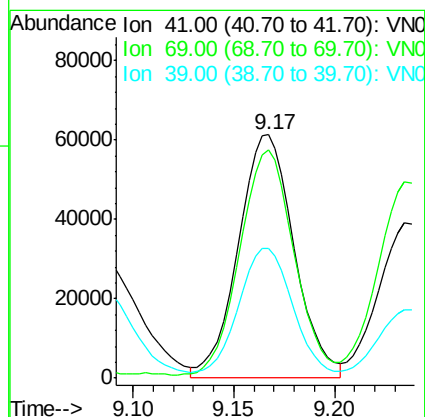
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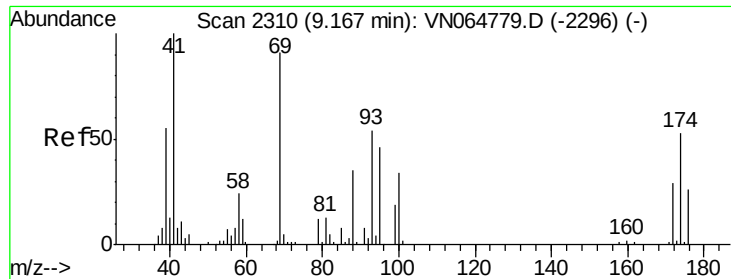
MMDadoda
12/7/2020 10:46:03 AM



#48
Methyl methacrylate
Concen: 47.773 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	41	Resp	118053
Ion Ratio	100		
Lower	71.8		
Upper	107.8		
69	89.7		
39	53.2		





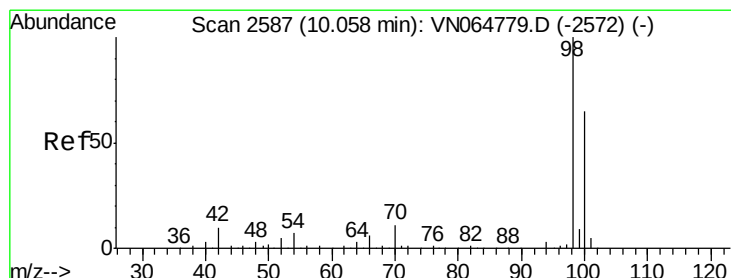
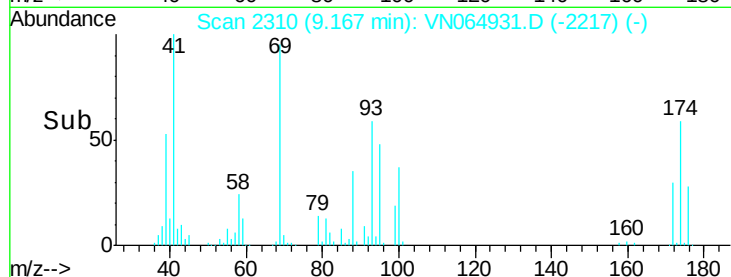
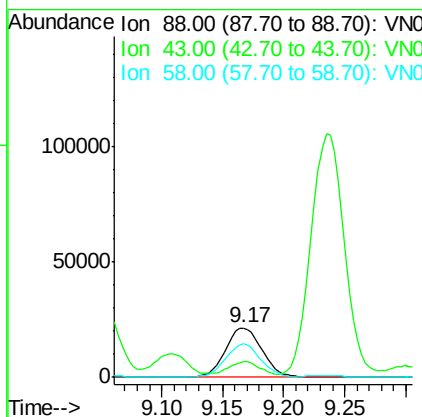
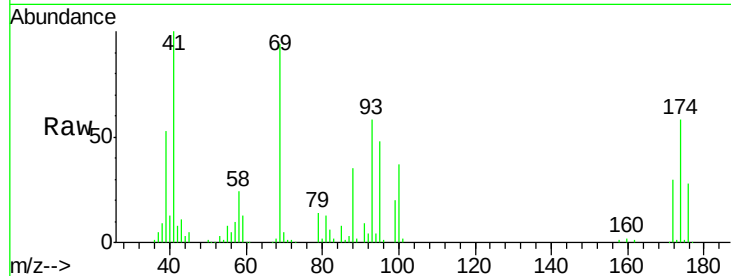
#49
1,4-Dioxane
Concen: 968.783 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

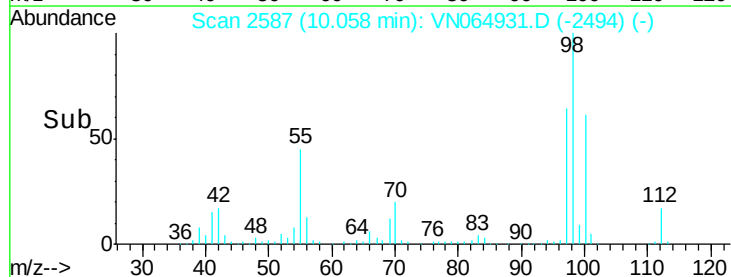
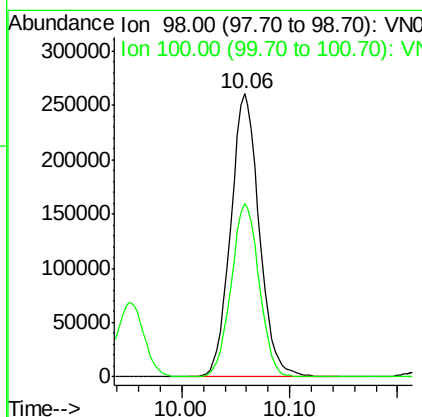
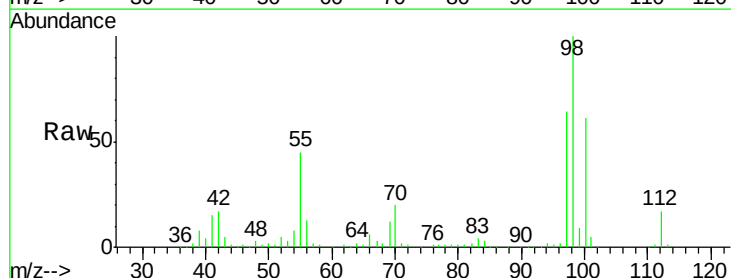
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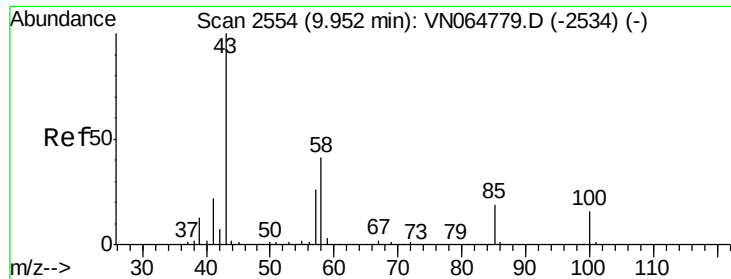
MMDadoda
12/7/2020 10:46:03 AM



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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 234.527 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 43 Resp: 728136

Ion Ratio Lower Upper

43 100

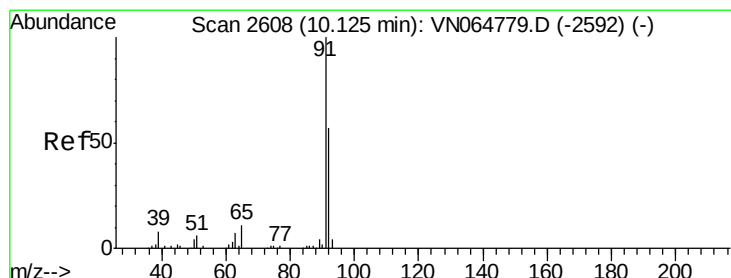
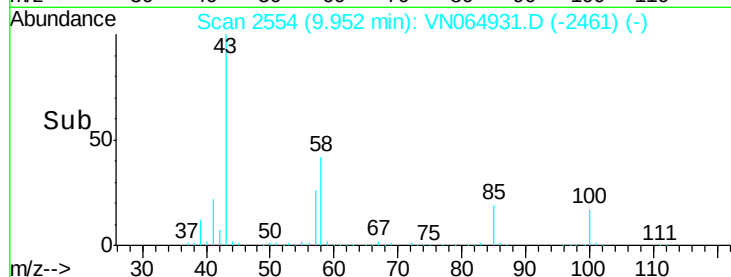
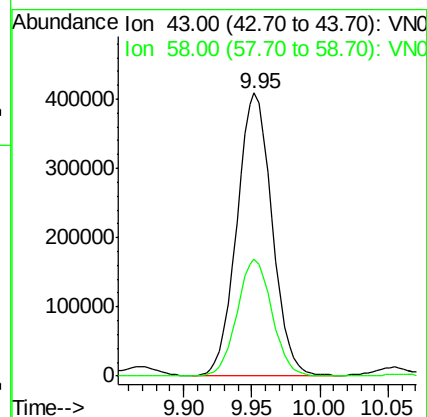
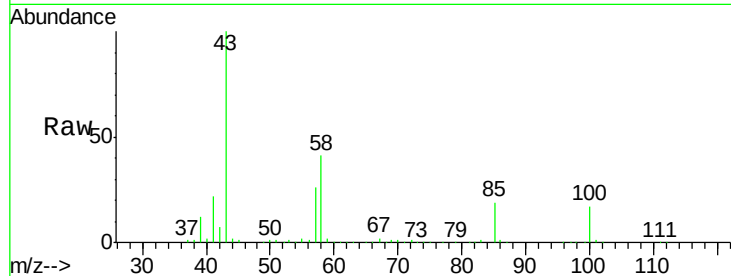
58 41.2 32.4 48.6

Manual Integrations

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MMDadoda

12/7/2020 10:46:03 AM



#52

Toluene

Concen: 47.109 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064931.D

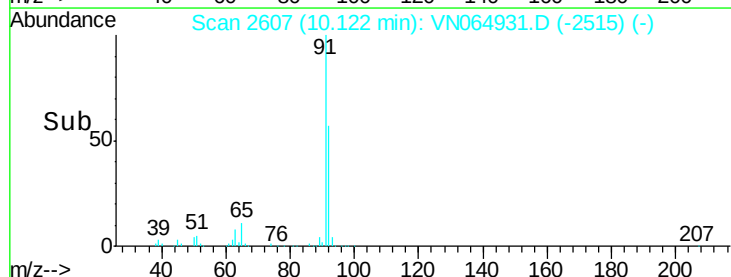
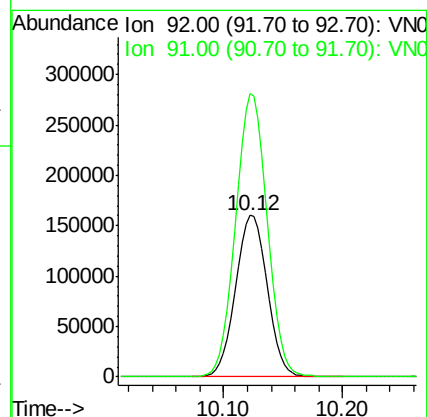
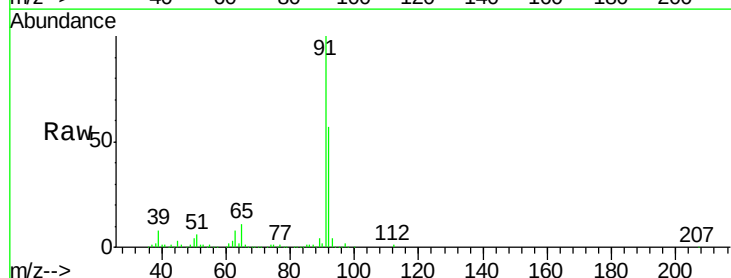
Acq: 4 Dec 2020 20:07

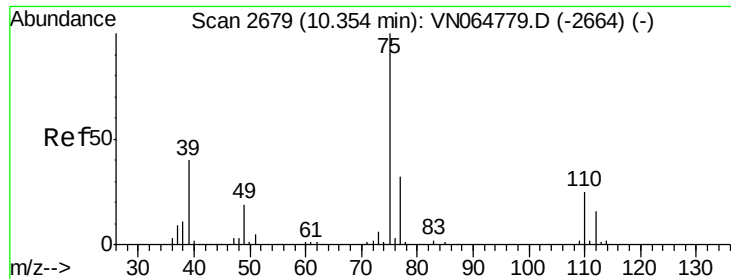
Tgt Ion: 92 Resp: 296615

Ion Ratio Lower Upper

92 100

91 173.4 139.1 208.7





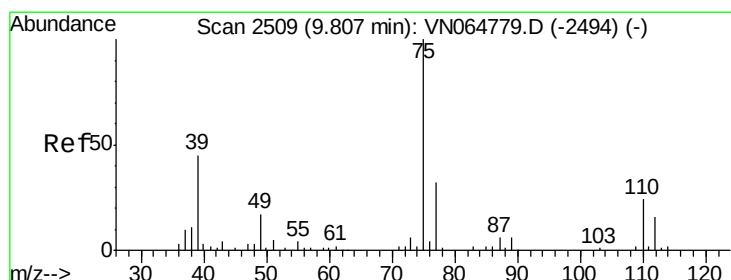
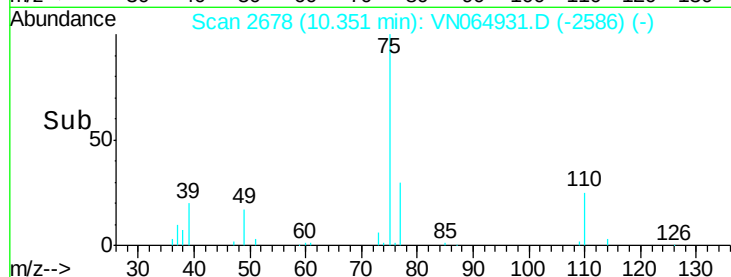
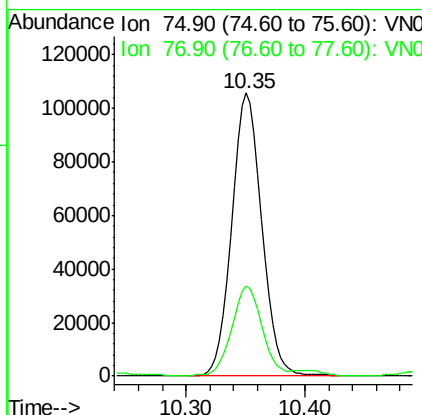
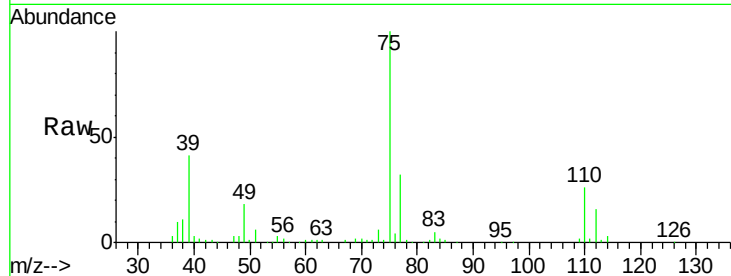
#53
t-1,3-Dichloropropene
Concen: 46.595 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6

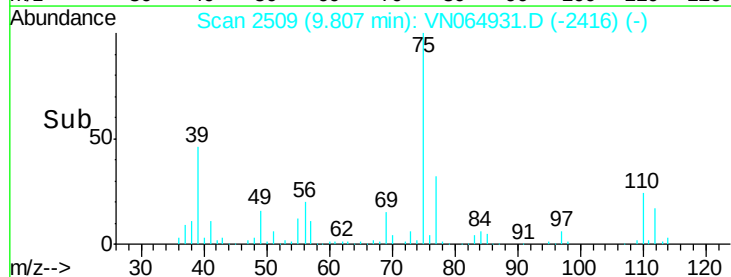
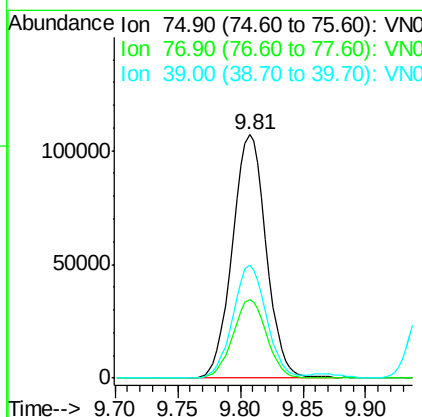
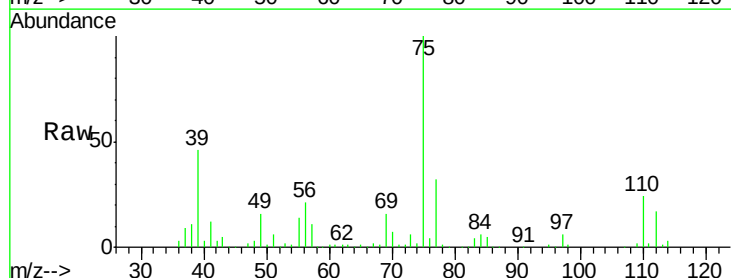
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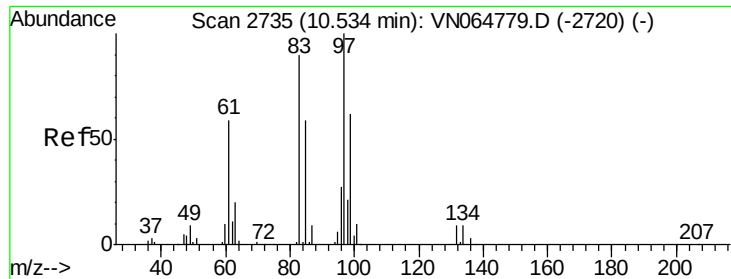
MMDadoda
12/7/2020 10:46:03 AM



#54
cis-1,3-Dichloropropene
Concen: 47.143 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	46.2	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 45.912 ug/l m

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

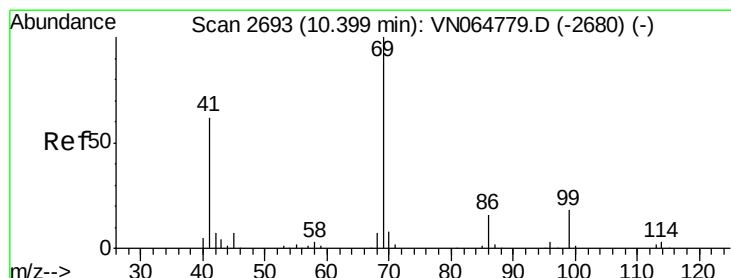
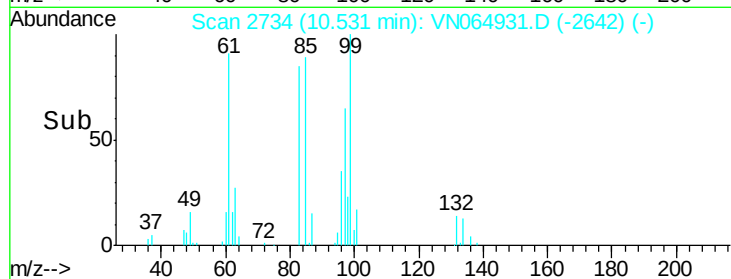
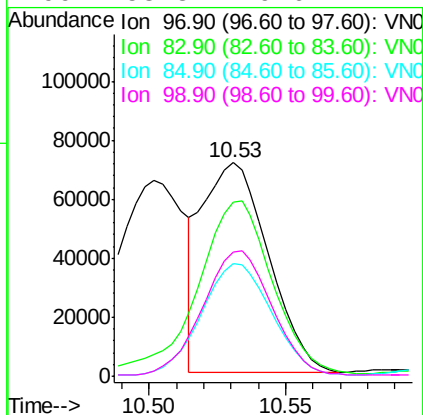
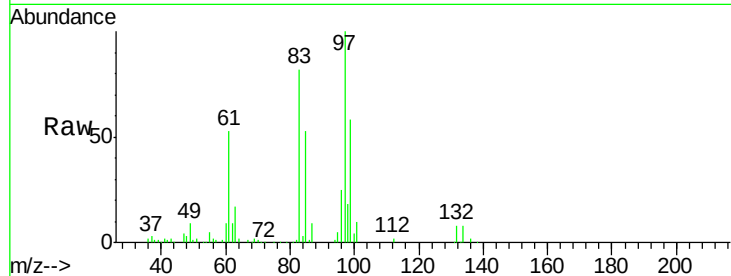
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	97	Resp:	118871
Ion	Ratio	Lower	Upper
97	100		
83	81.7	72.1	108.1
85	52.7	46.8	70.2
99	58.3	49.6	74.4

Manual Integrations
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MMDadoda
12/7/2020 10:46:03 AM



#56

Ethyl methacrylate

Concen: 68.646 ug/l

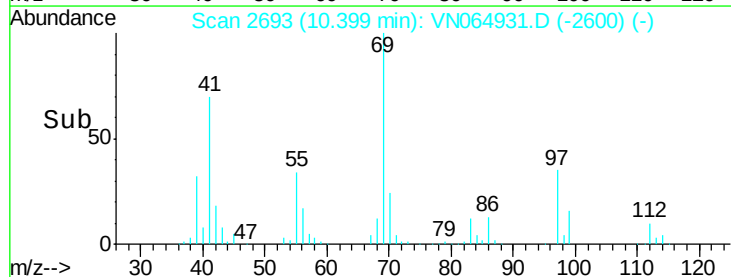
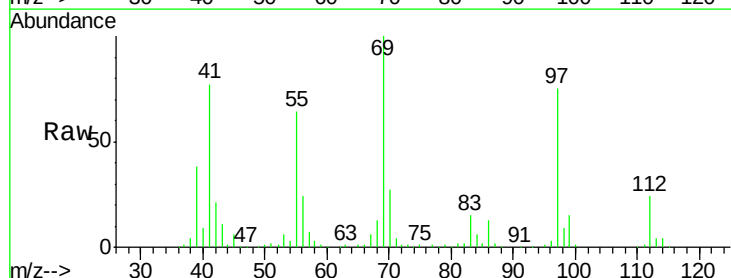
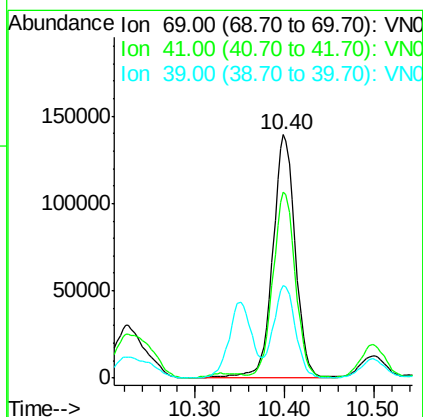
RT: 10.40 min Scan# 2693

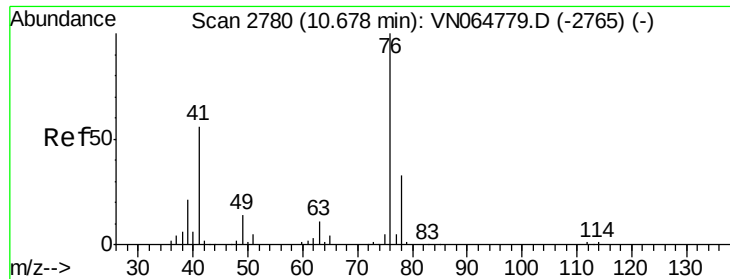
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion:	69	Resp:	245263
Ion	Ratio	Lower	Upper
69	100		
41	75.6	49.4	74.0#
39	37.5	25.9	38.9





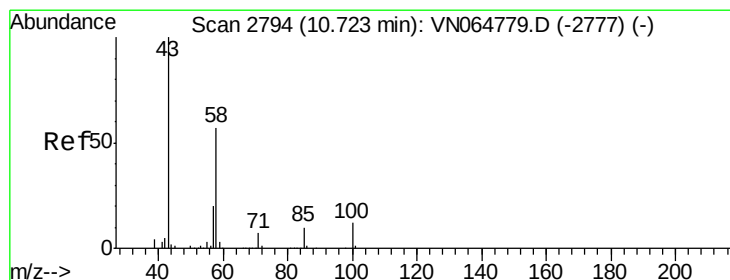
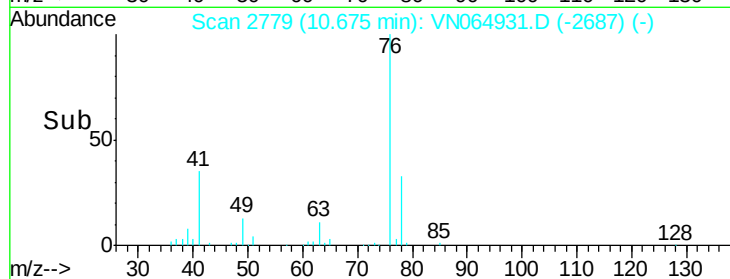
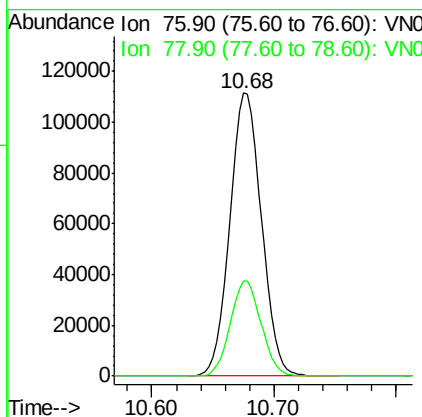
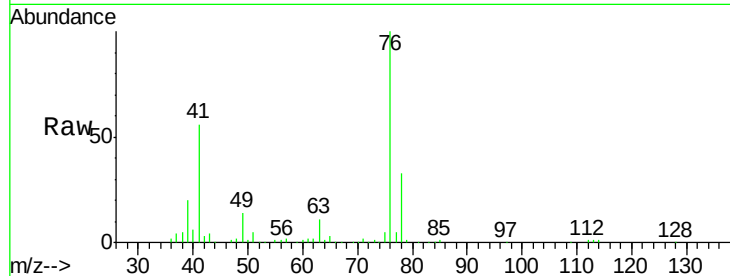
#57
 1,3-Dichloropropane
 Concen: 47.107 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

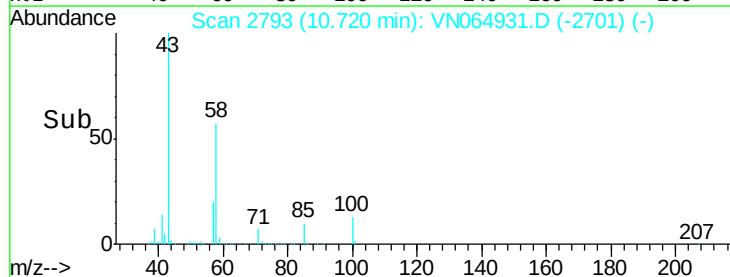
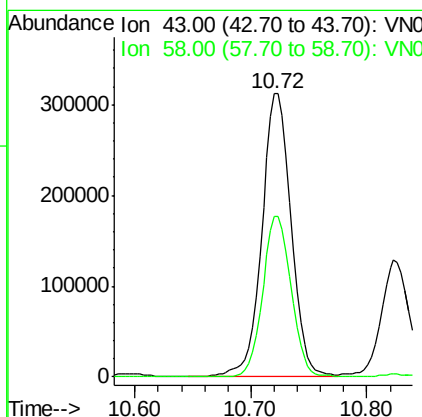
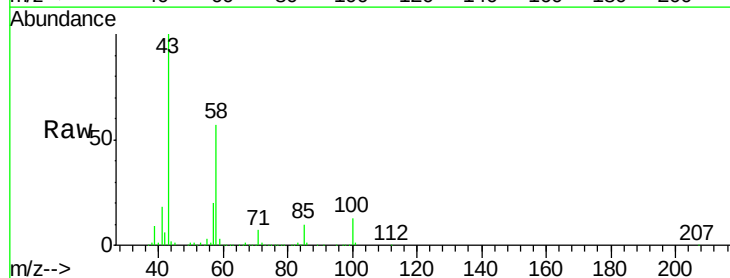
Manual Integrations
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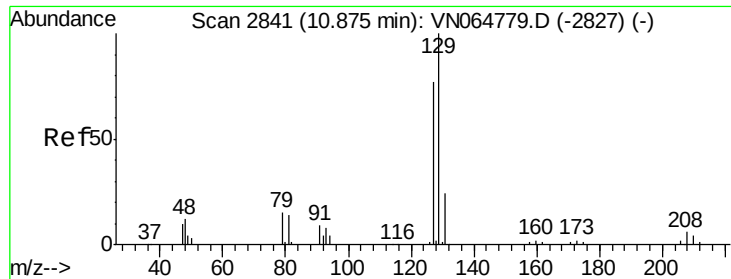
MMDadoda
 12/7/2020 10:46:03 AM



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

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.3	84.9





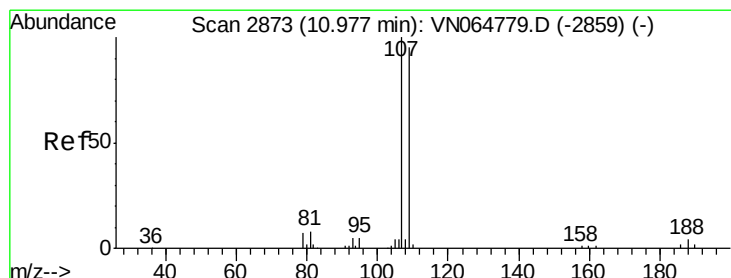
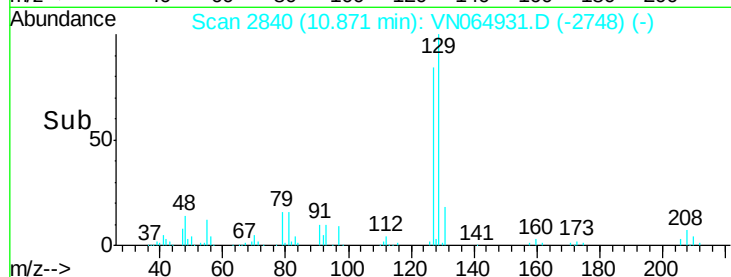
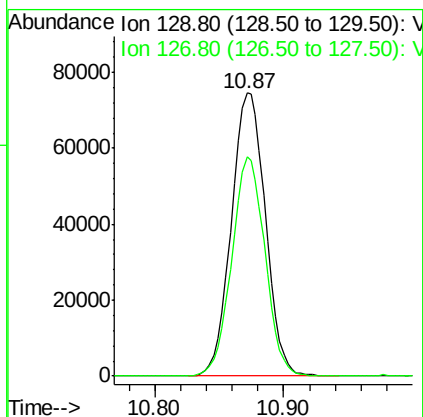
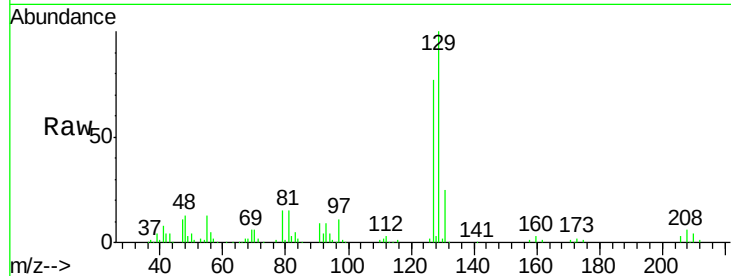
#60
Dibromochloromethane
Concen: 47.506 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

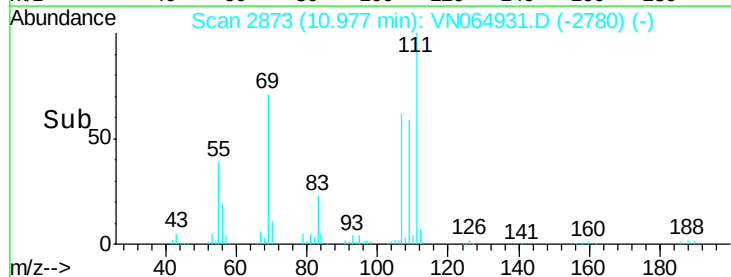
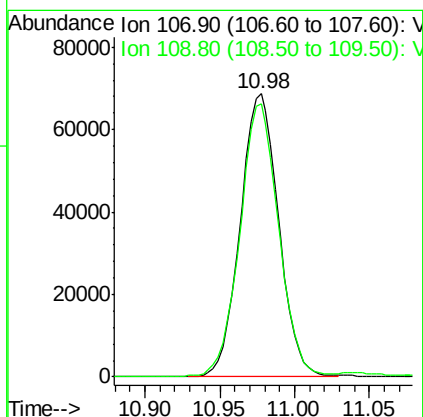
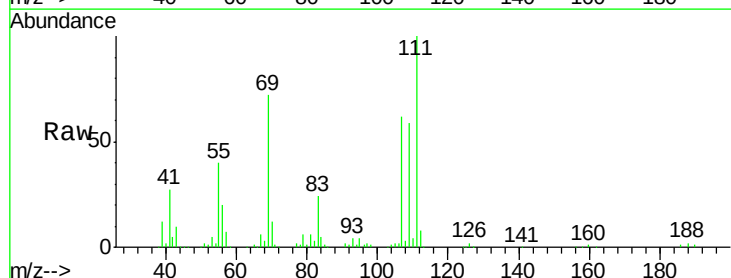
Manual Integrations
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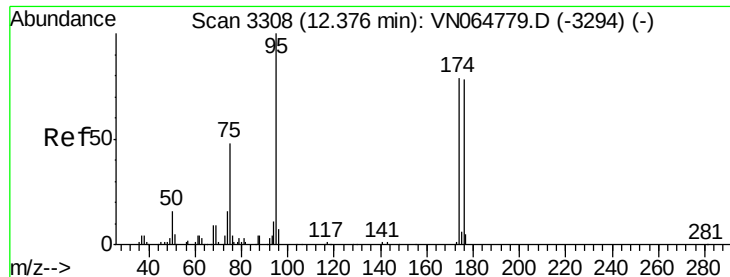
MMDadoda
12/7/2020 10:46:03 AM



#61
1,2-Dibromoethane
Concen: 46.656 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion:107 Resp: 122727
Ion Ratio Lower Upper
107 100
109 97.7 76.0 114.0





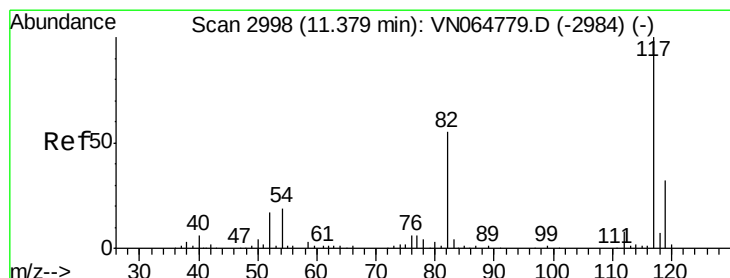
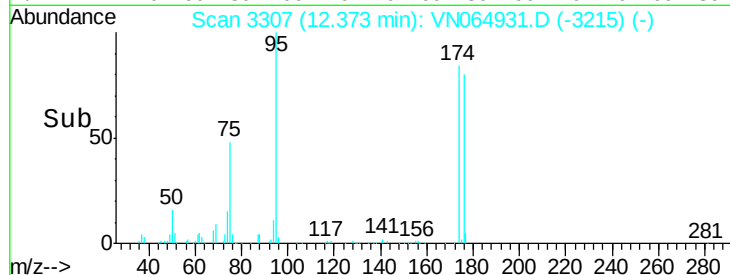
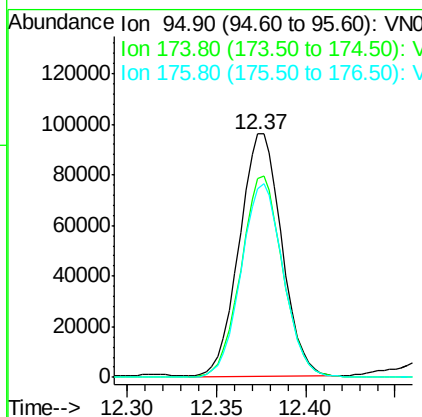
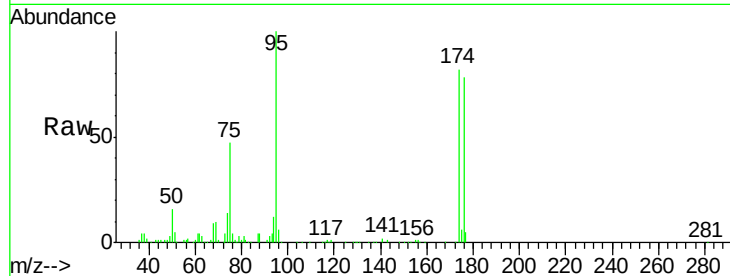
#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	159685		
174	81.8	0.0	160.4	
176	79.2	0.0	158.4	

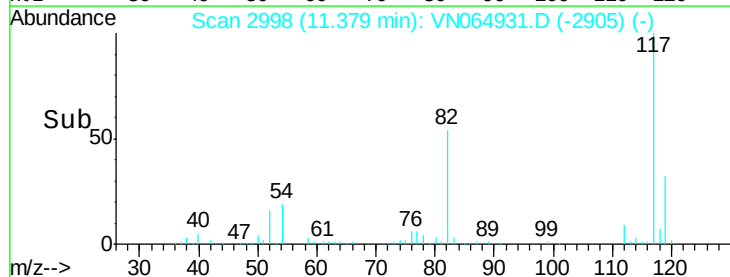
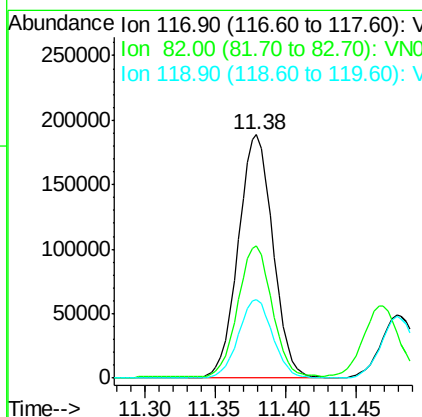
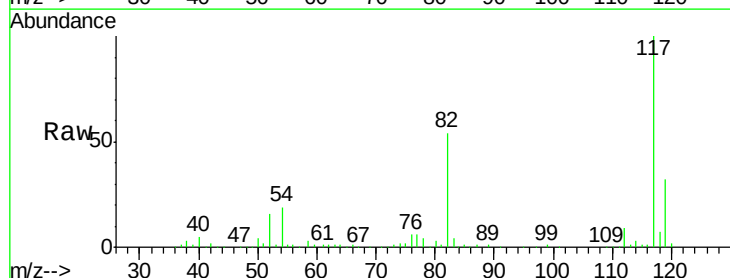
Manual Integrations
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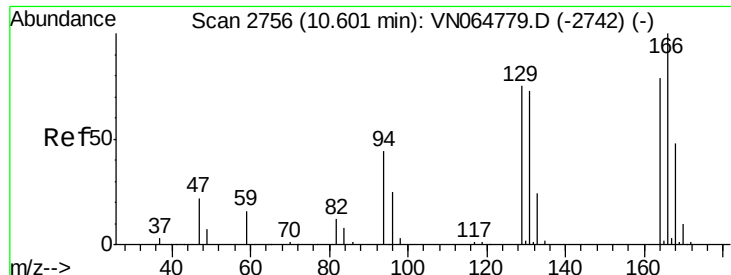
MMDadoda
12/7/2020 10:46:03 AM



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

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





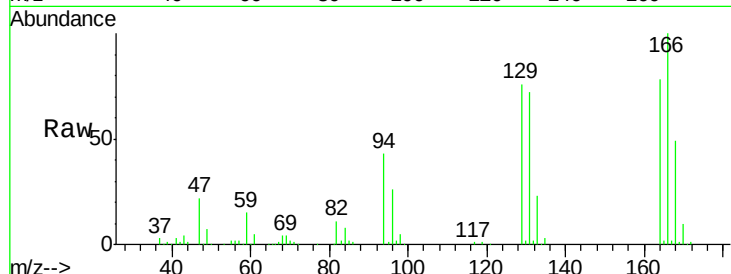
#64
Tetrachloroethene
Concen: 40.602 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

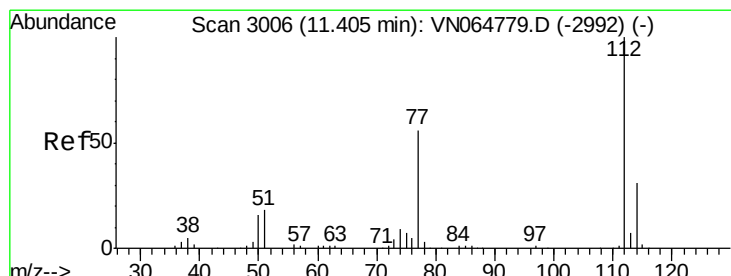
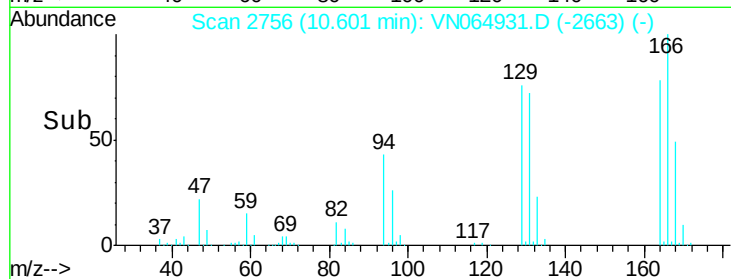
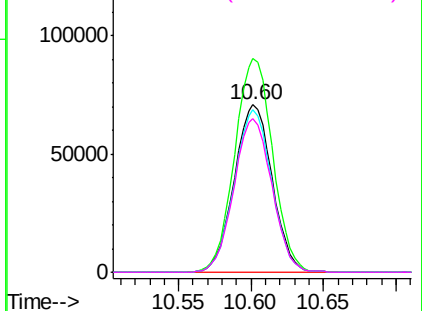
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.4	152.0
129	97.3	76.1	114.1
131	92.2	74.2	111.2

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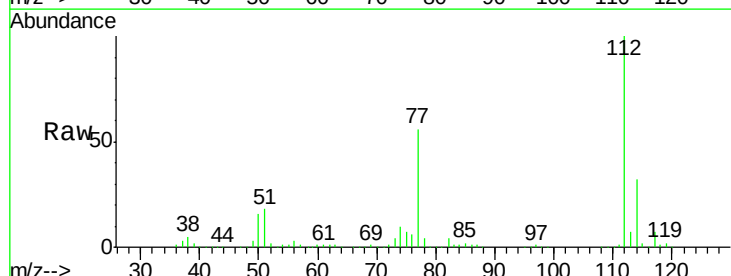


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

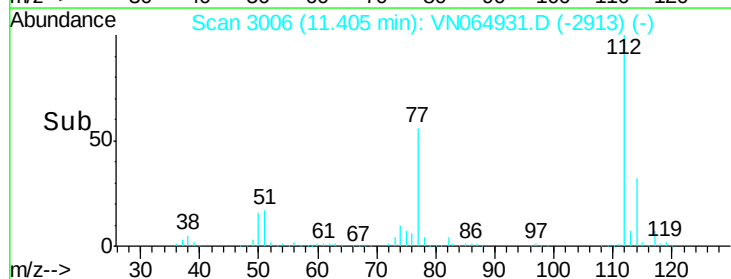
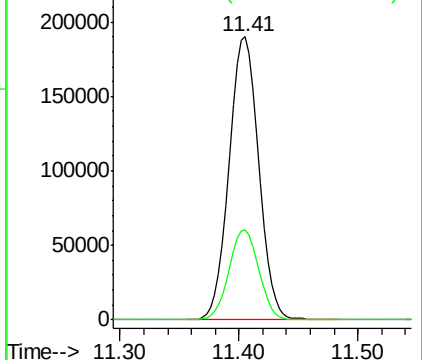


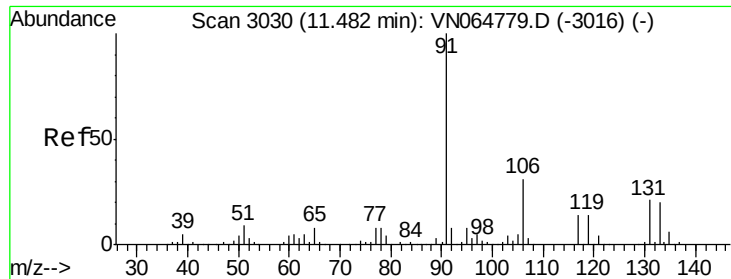
#65
Chlorobenzene
Concen: 47.181 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





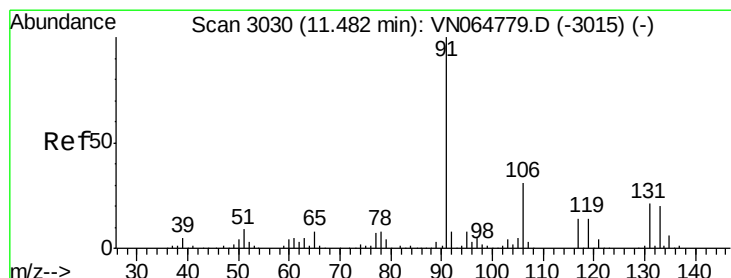
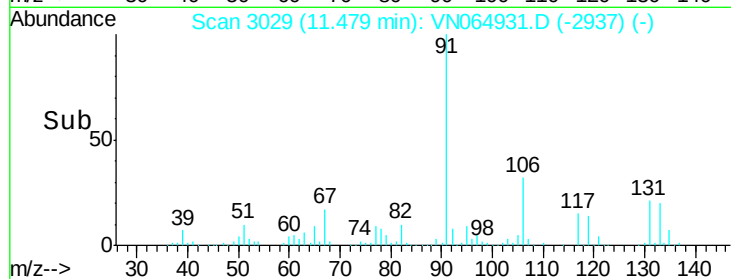
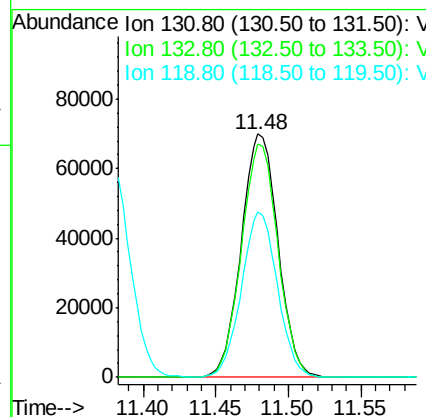
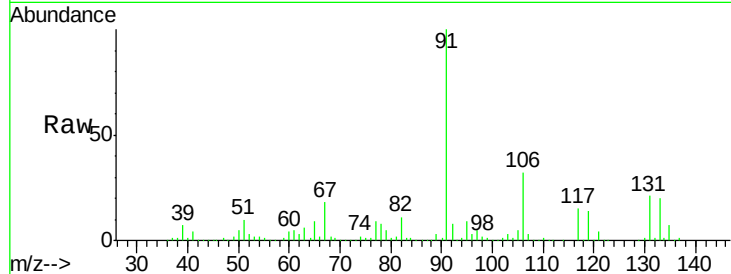
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.037 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.5	142.5
119	66.6	33.3	99.8

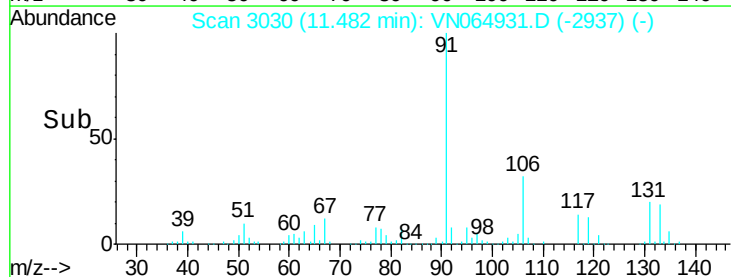
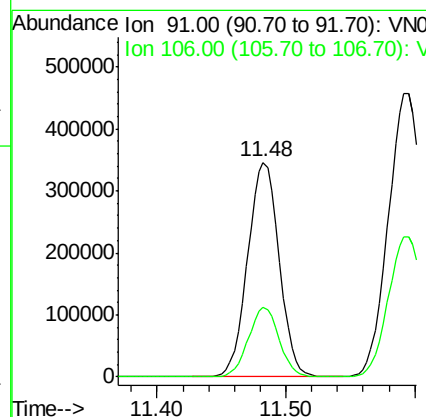
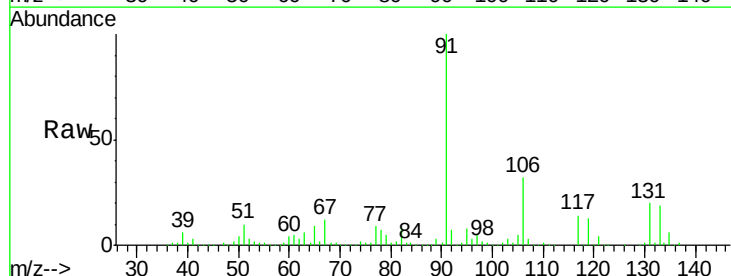
Manual Integrations
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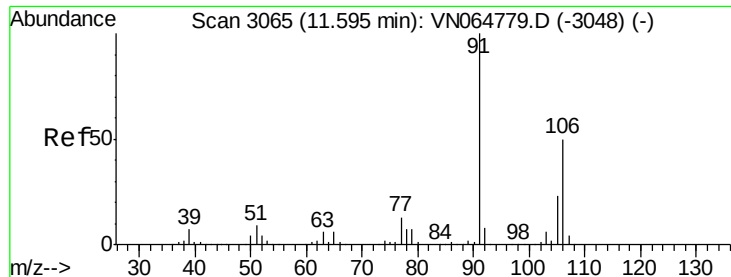
MMDadoda
 12/7/2020 10:46:03 AM



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

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.2	37.8





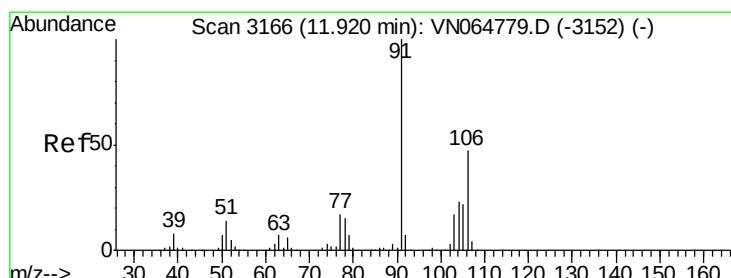
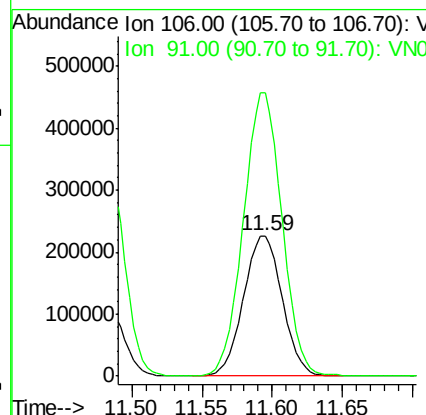
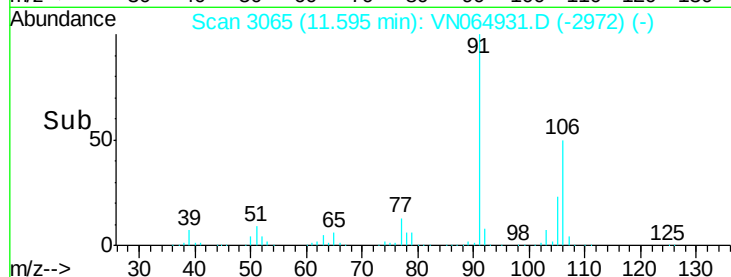
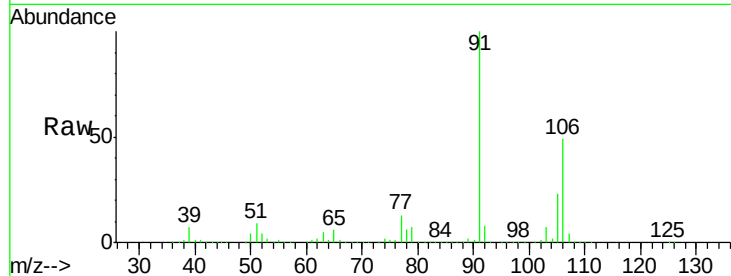
#68
m/p-Xylenes
Concen: 98.320 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

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

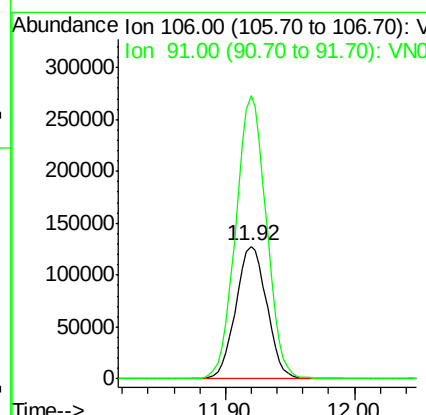
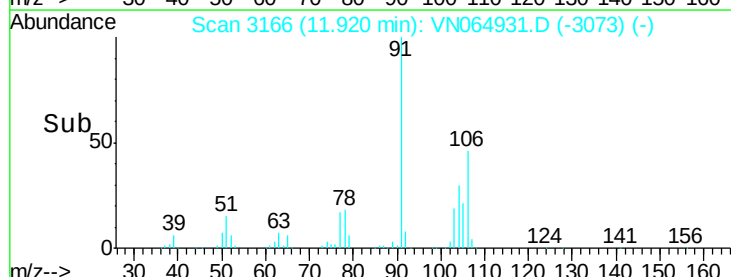
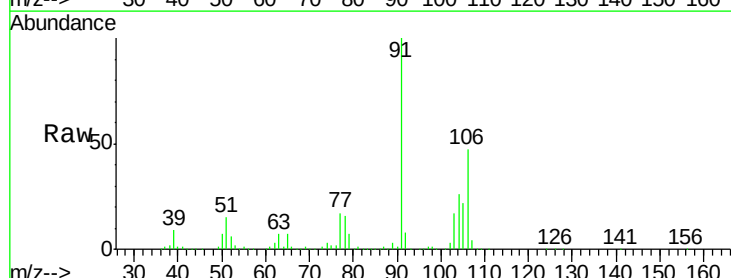
Manual Integrations
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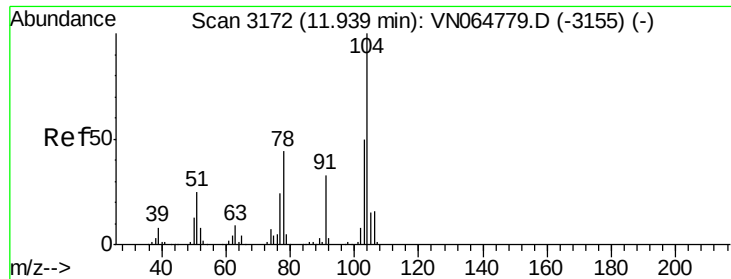
MMDadoda
12/7/2020 10:46:03 AM



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

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





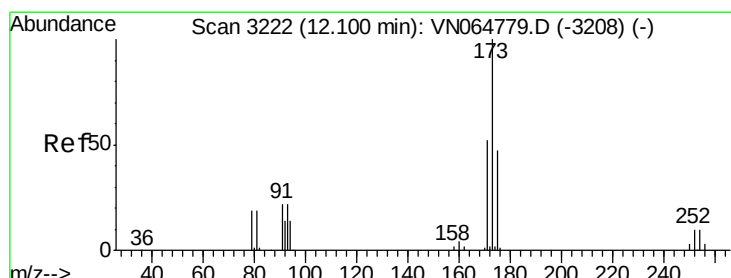
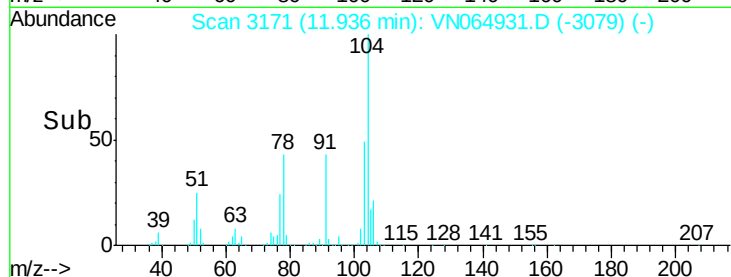
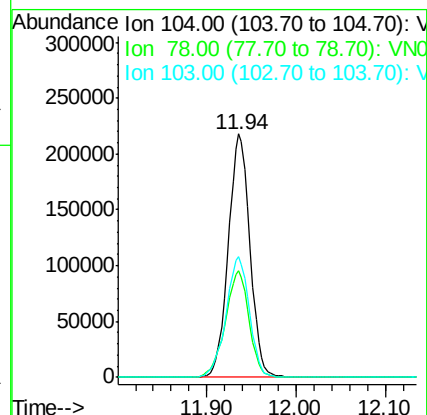
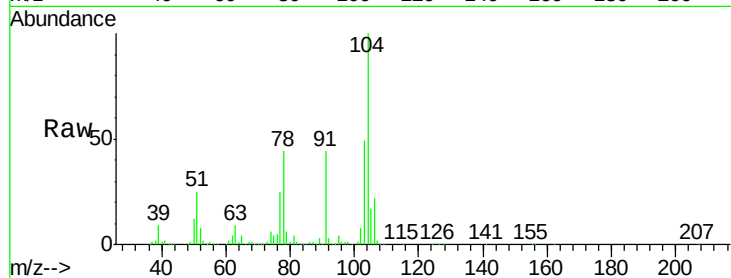
#70
Stvrene
Concen: 51.687 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.0	58.6
103	53.4	44.3	66.5

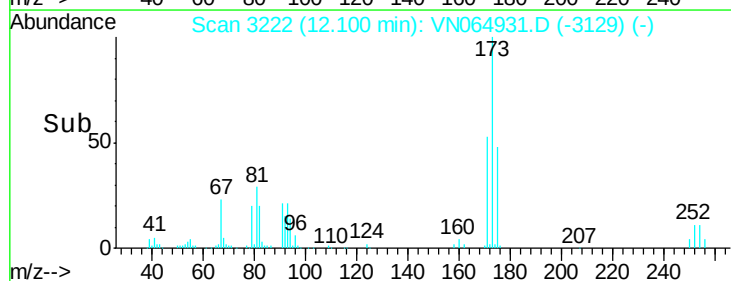
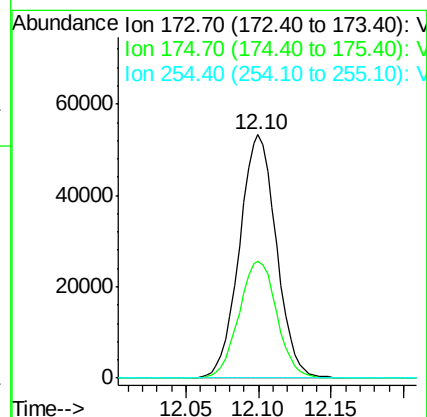
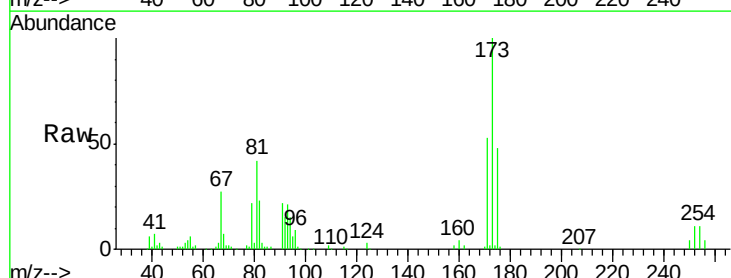
Manual Integrations
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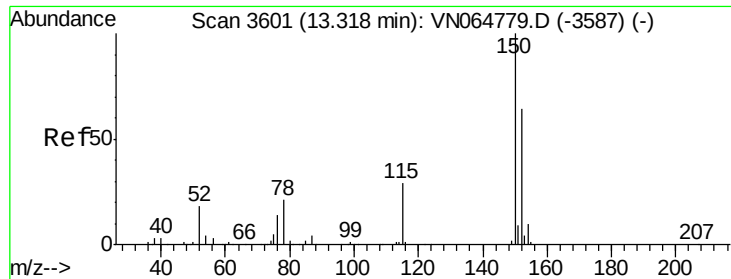
MMDadoda
12/7/2020 10:46:03 AM



#71
Bromoform
Concen: 45.823 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

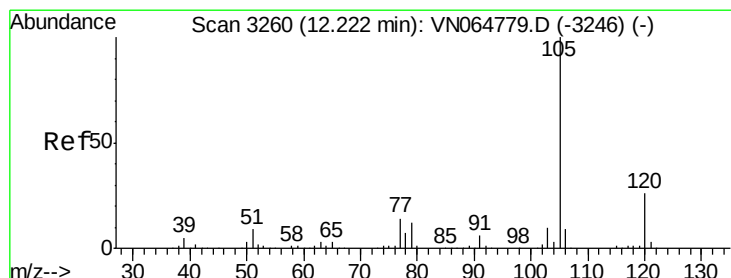
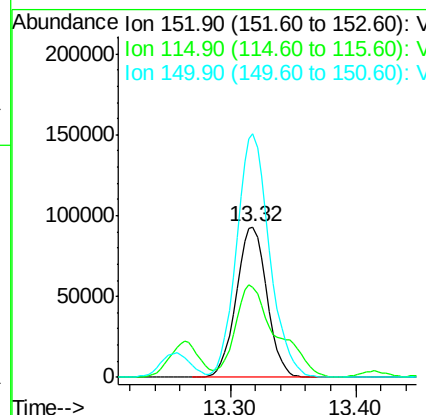
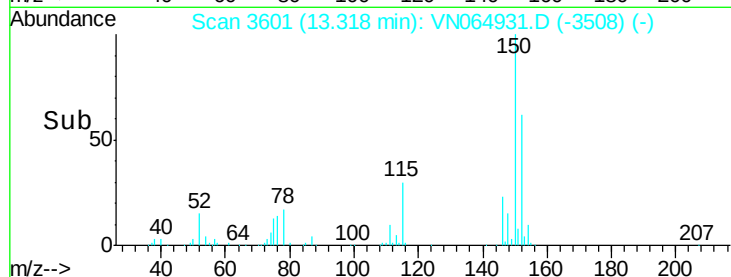
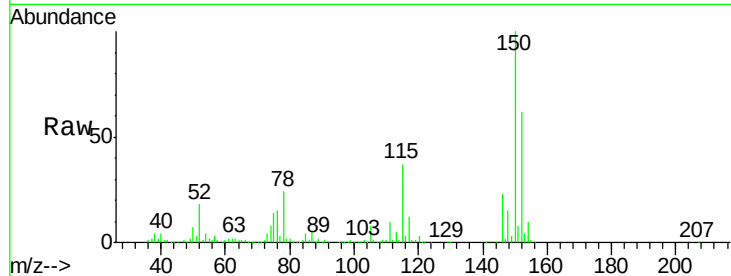
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	152	Resp:	157732
Ion Ratio	Lower	Upper	
152	100		
115	82.5	29.7	89.1
150	173.2	0.0	350.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 85.742 ug/l

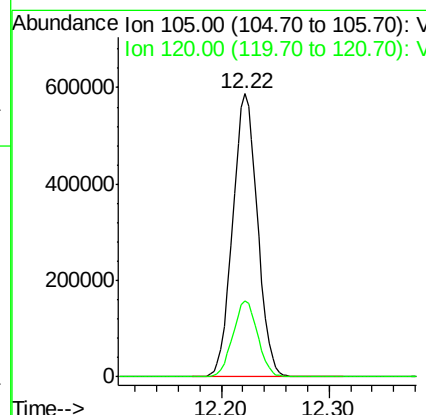
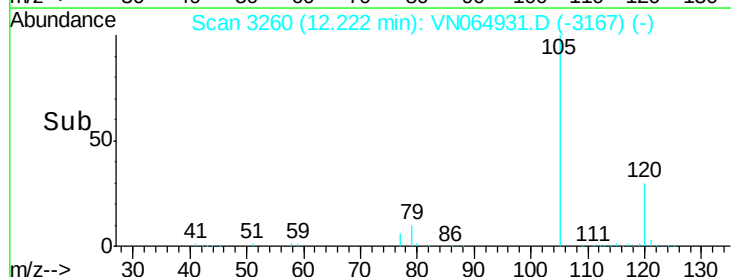
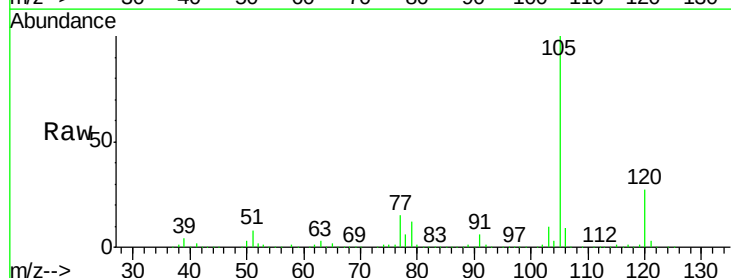
RT: 12.22 min Scan# 3260

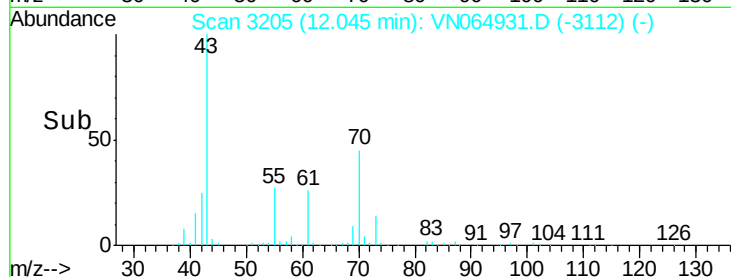
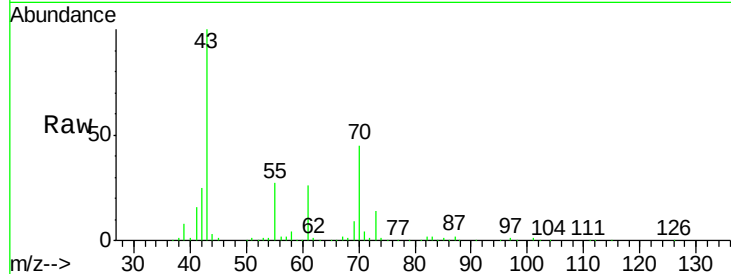
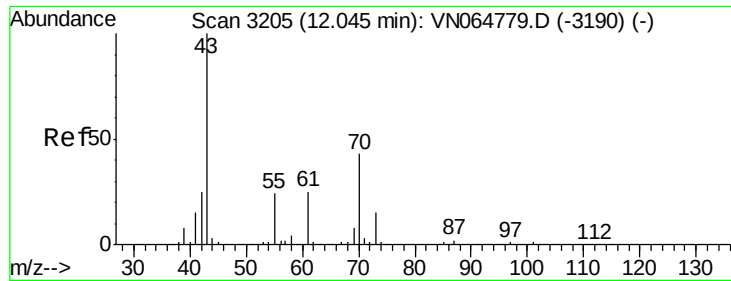
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Tgt Ion:	105	Resp:	940703
Ion Ratio	Lower	Upper	
105	100		
120	26.9	13.3	39.9





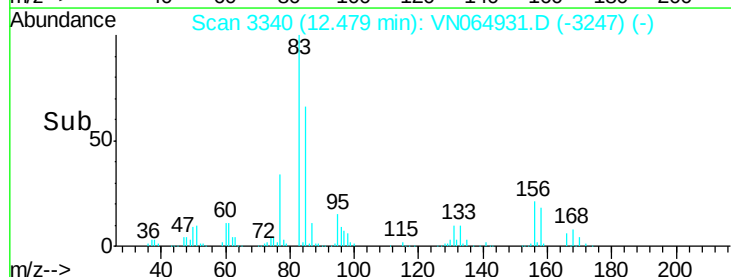
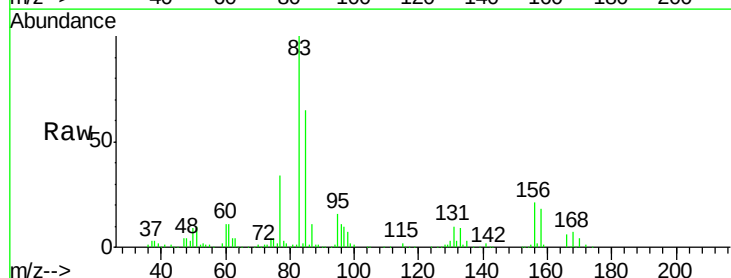
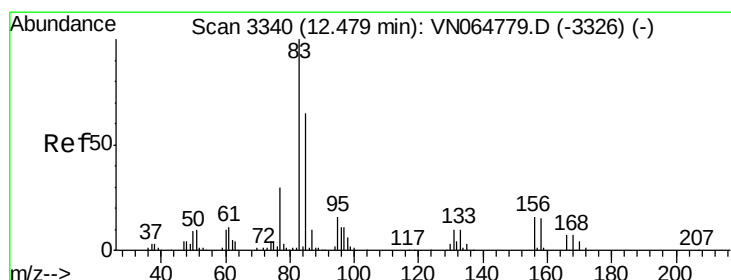
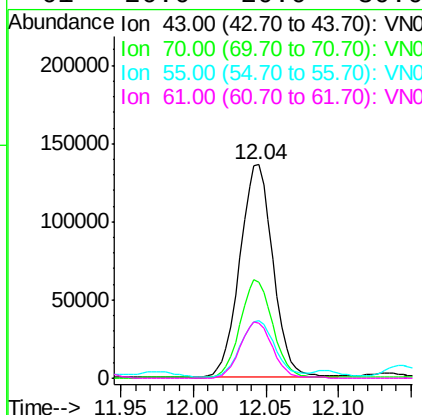
#74
N-amvl acetate
Concen: 50.334 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tot Ion	43	Resp	217326
Ion Ratio	Lower	Upper	
43	100		
70	44.9	34.5	51.7
55	27.7	20.4	30.6
61	26.0	20.0	30.0

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

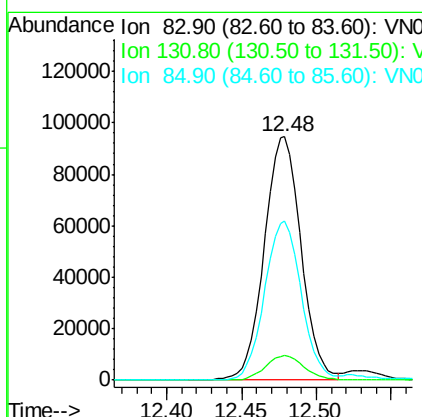
Manual Integrations
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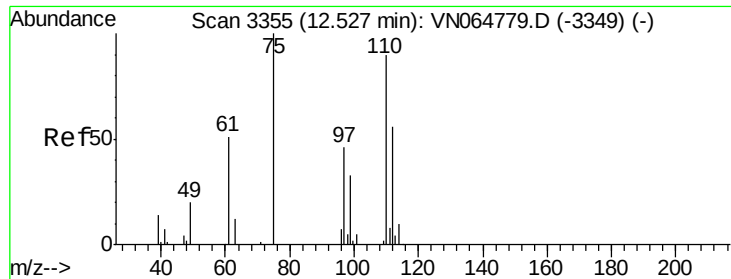
MMDadoda
12/7/2020 10:46:03 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 50.372 ug/l
RT: 12.48 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	83	Resp	161985
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.7	33.0	99.0





#76

1,2,3-Trichloropropane

Concen: 42.952 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 75 Resp: 145903

Ion Ratio Lower Upper

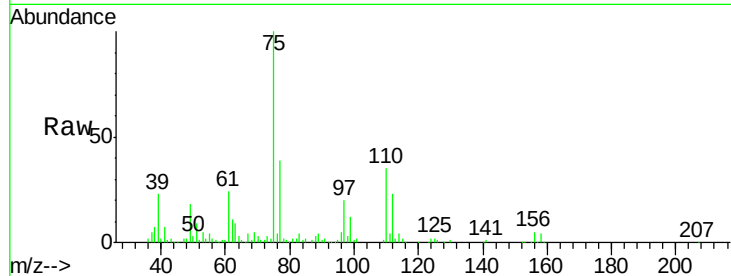
75 100

77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)

150000

100000

50000

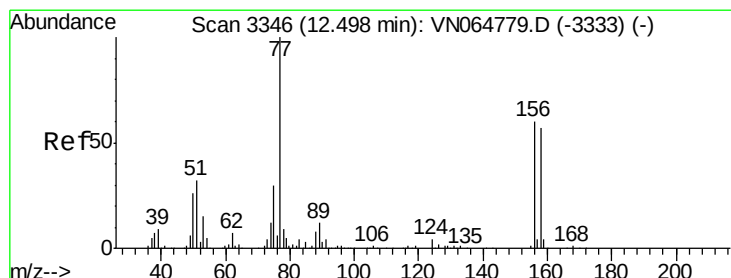
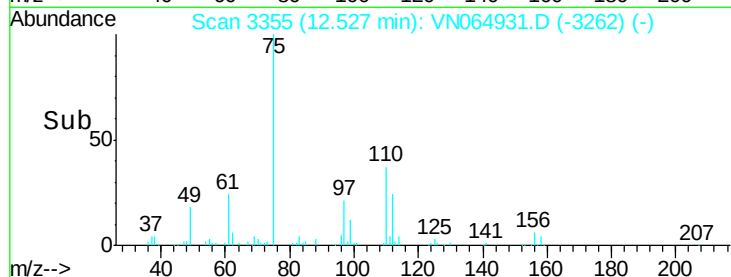
0

12.50

12.53

12.55

Time-->



#77

Bromobenzene

Concen: 49.011 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

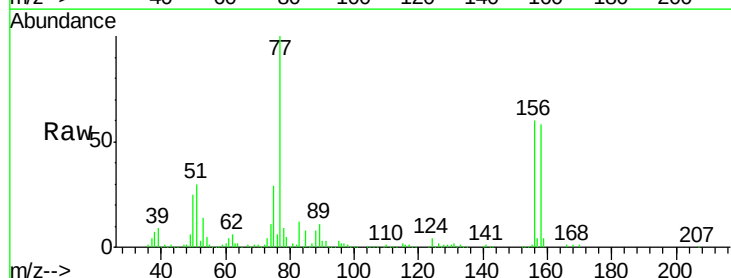
Tgt Ion: 156 Resp: 144967

Ion Ratio Lower Upper

156 100

77 194.7 101.3 303.7

158 94.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VN064779.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3333) (-)

Ion 157.80 (157.50 to 158.50): VN064779.D (-3333) (-)

150000

100000

50000

0

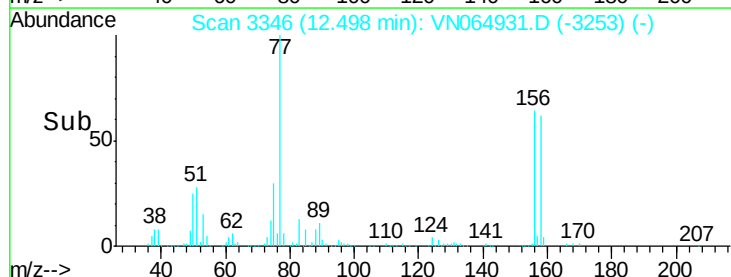
12.40

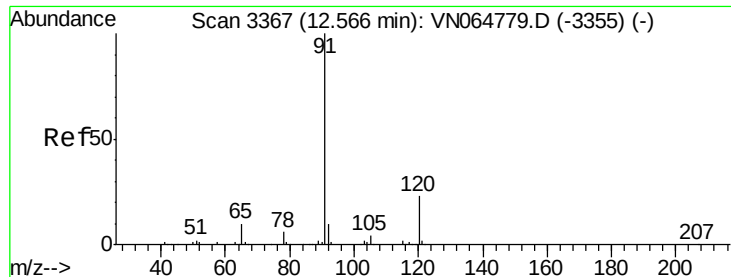
12.45

12.50

12.55

Time-->





#78

n-propylbenzene

Concen: 88.083 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 91 Resp: 1100907

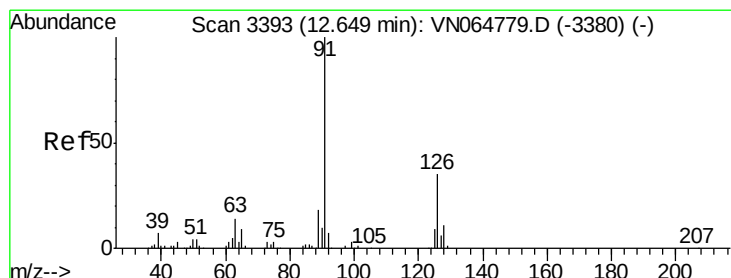
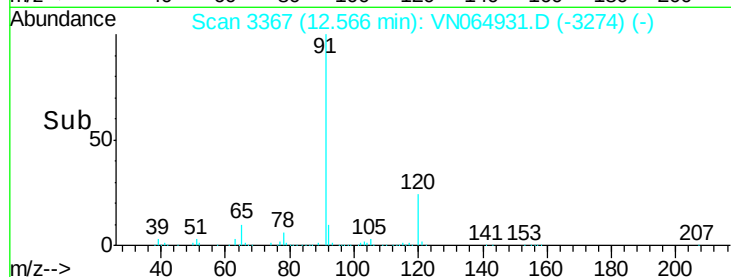
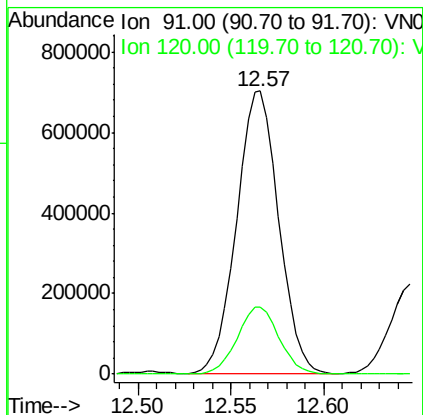
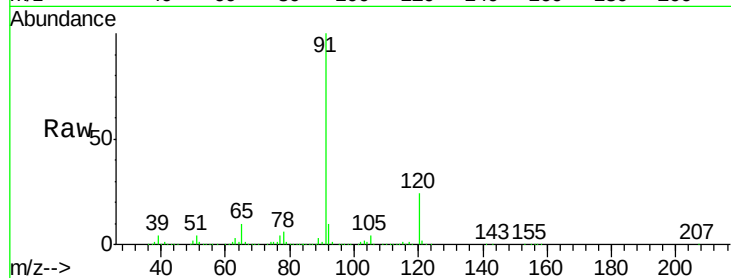
Ion Ratio Lower Upper

91 100

120 23.8 11.6 34.7

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#79

2-Chlorotoluene

Concen: 48.338 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064931.D

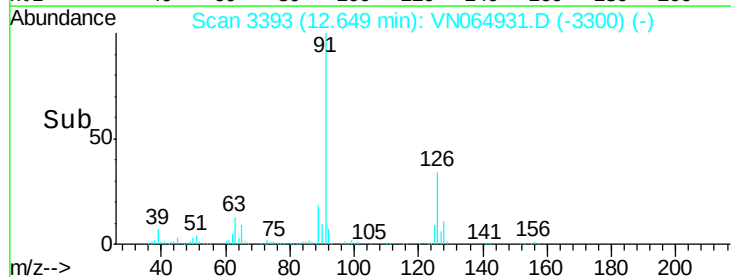
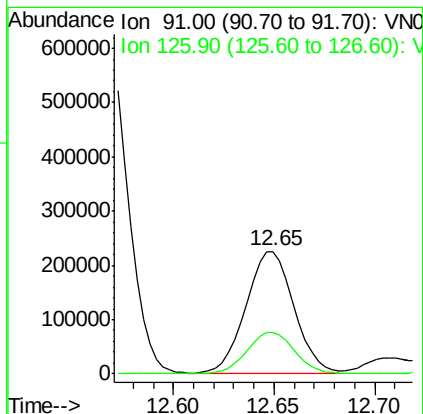
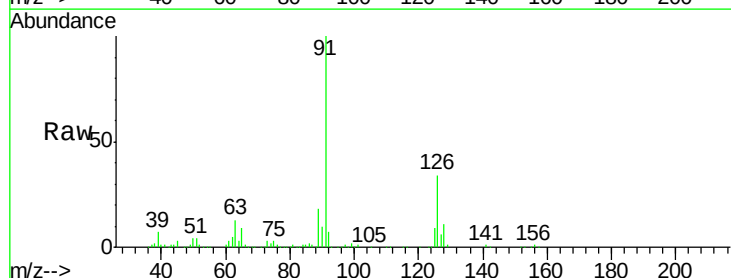
Acq: 4 Dec 2020 20:07

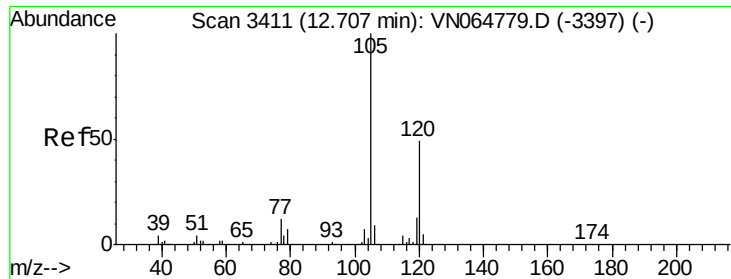
Tgt Ion: 91 Resp: 373458

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6





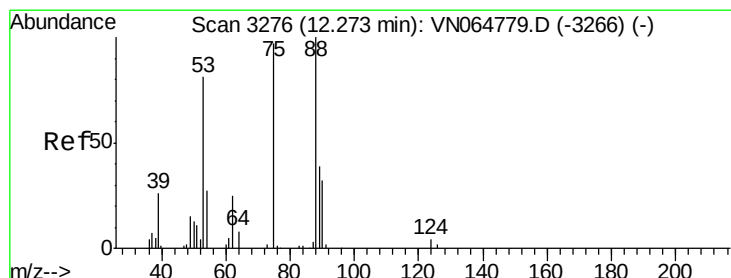
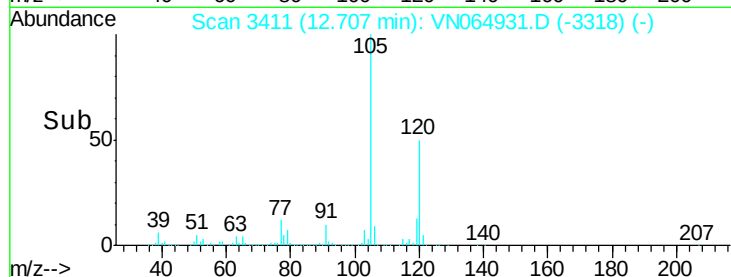
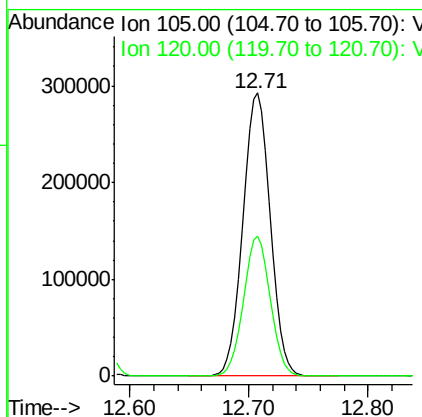
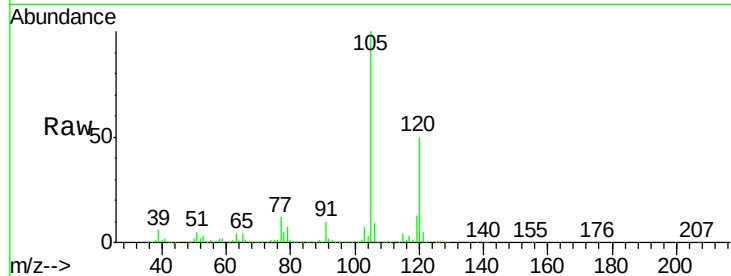
#80
 1,3,5-Trimethylbenzene
 Concen: 50.947 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.6	73.6

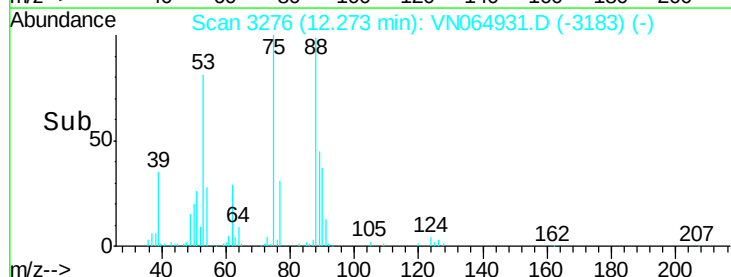
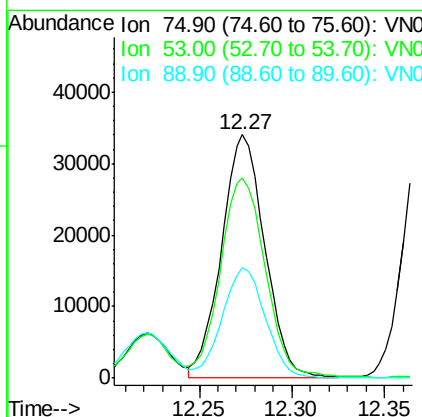
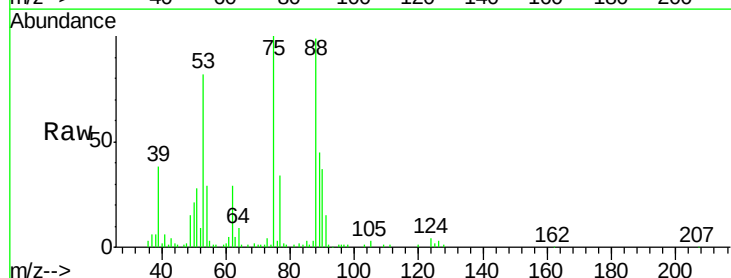
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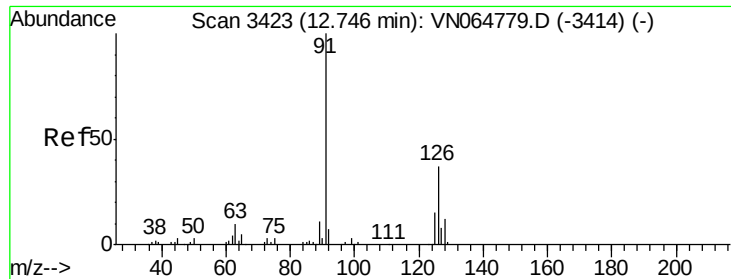
MMDadoda
 12/7/2020 10:46:03 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.558 ug/l
 RT: 12.27 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.9	67.0	100.4
89	45.5	39.6	59.4





#82

4-Chlorotoluene

Concen: 47.628 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion: 91 Resp: 385700

Ion Ratio Lower Upper

91 100

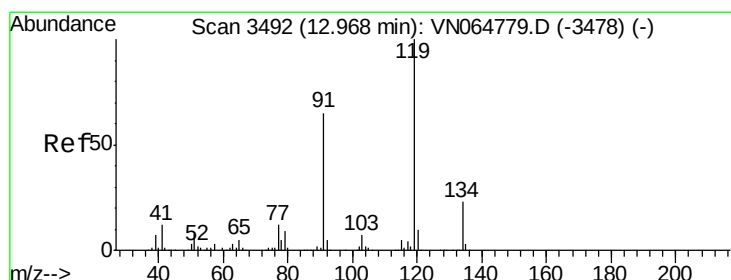
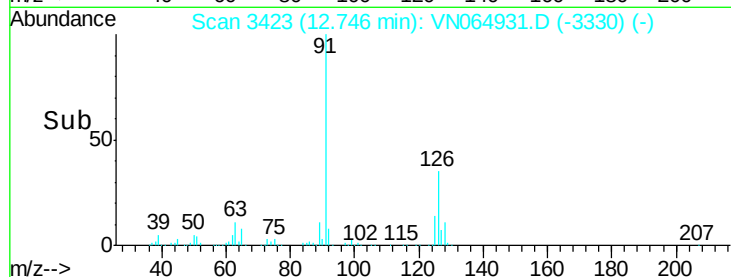
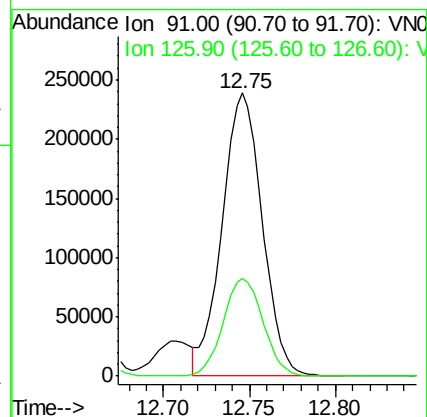
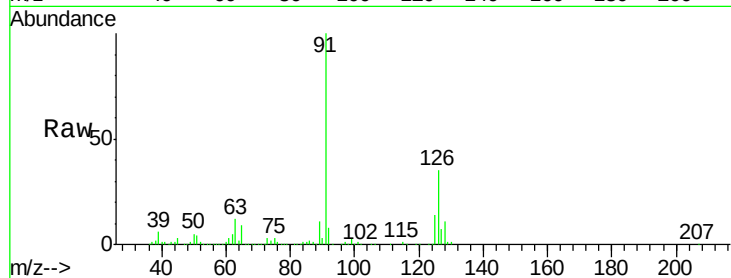
126 34.5 16.9 50.7

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#83

tert-Butylbenzene

Concen: 53.810 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

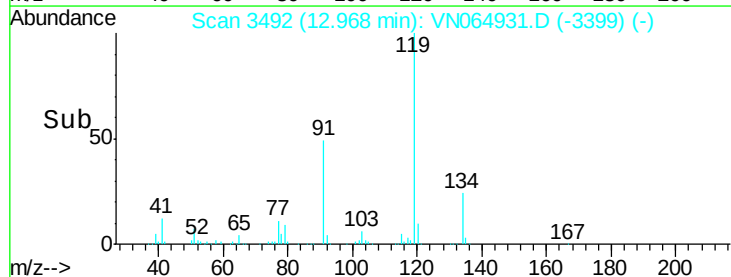
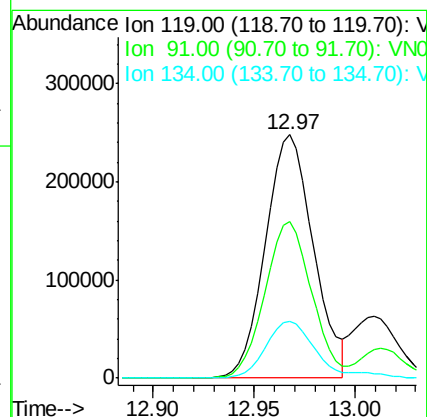
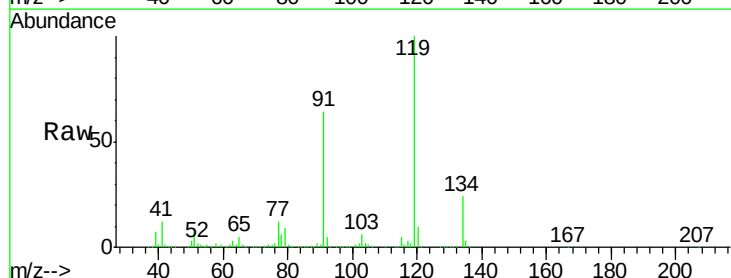
Tgt Ion: 119 Resp: 411315

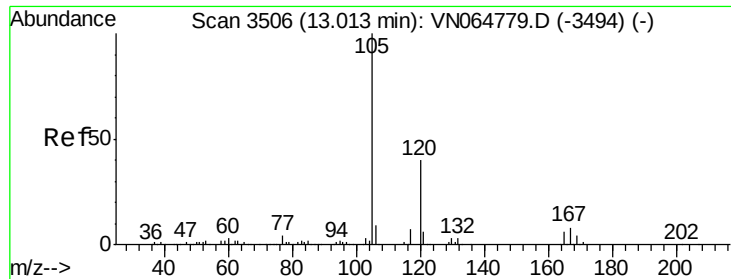
Ion Ratio Lower Upper

119 100

91 62.6 32.3 96.8

134 23.3 12.6 37.6





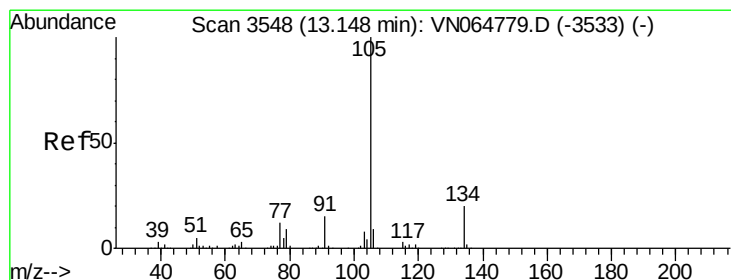
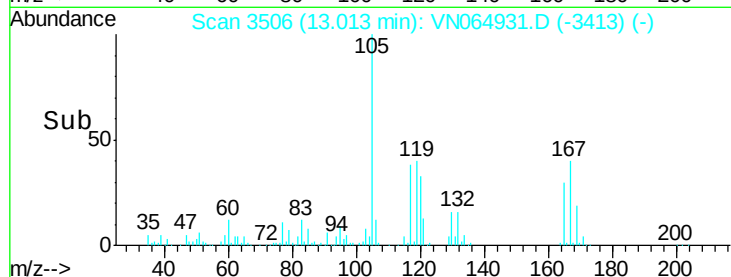
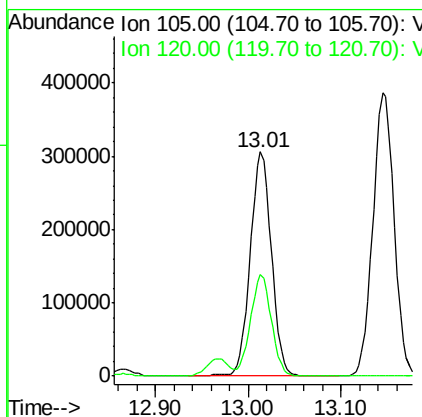
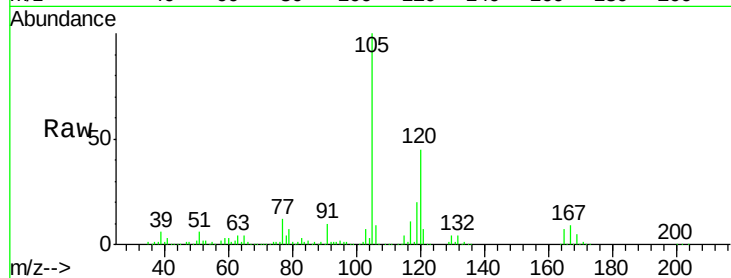
#84
1,2,4-Trimethylbenzene
Concen: 52.656 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.1	69.2

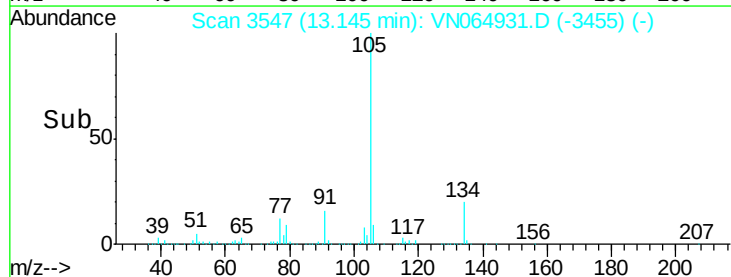
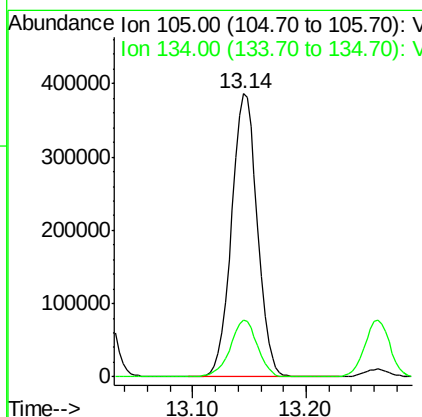
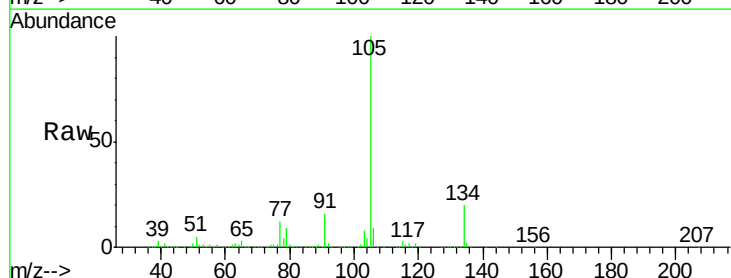
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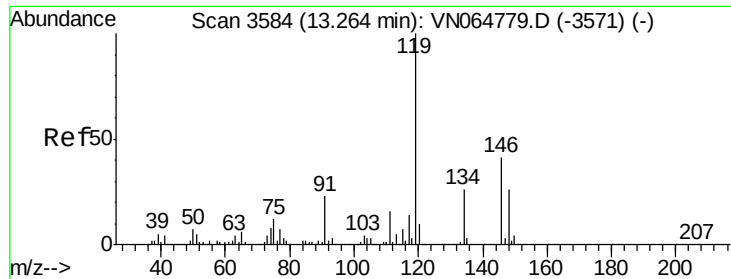
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#85
sec-Butylbenzene
Concen: 60.098 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.1	30.1





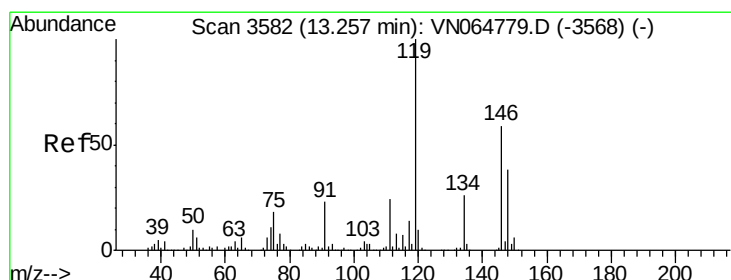
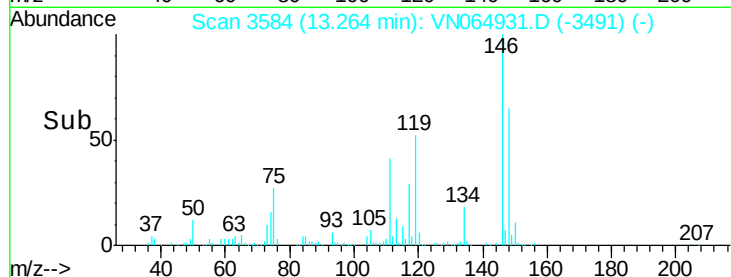
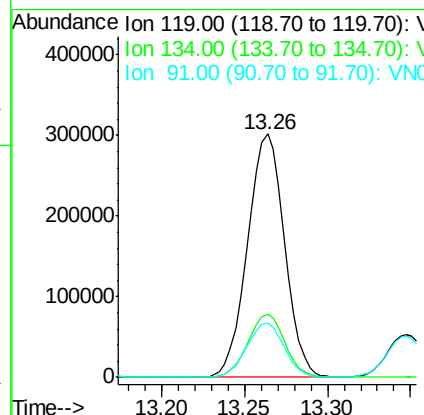
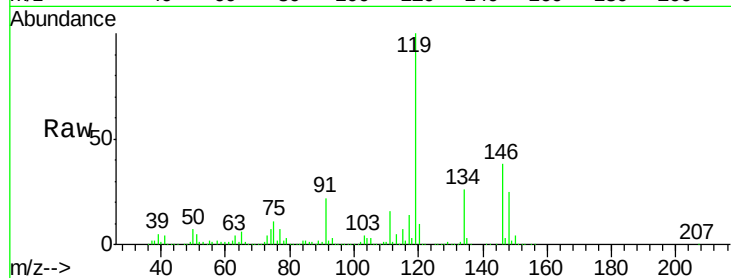
#86
 p-Isopropyltoluene
 Concen: 50.612 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	467646		
134	25.9	13.1	39.1	
91	22.4	11.5	34.5	

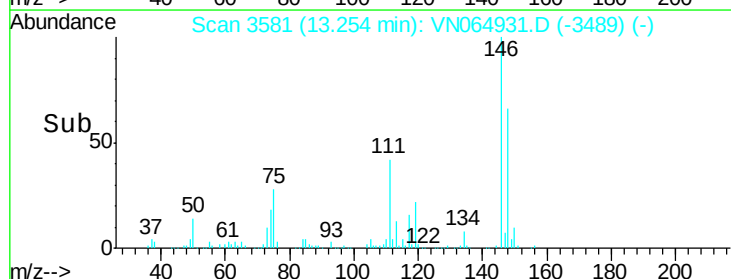
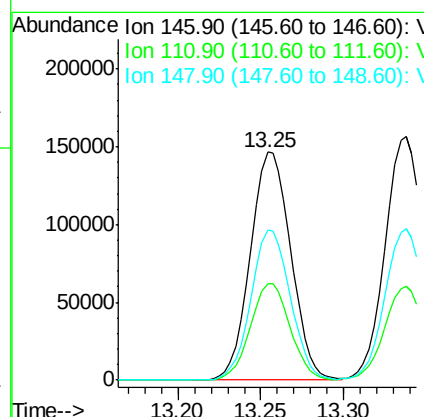
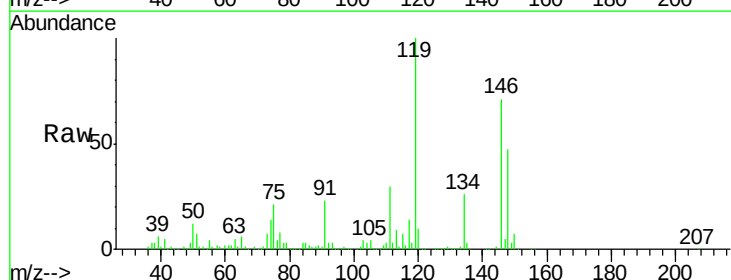
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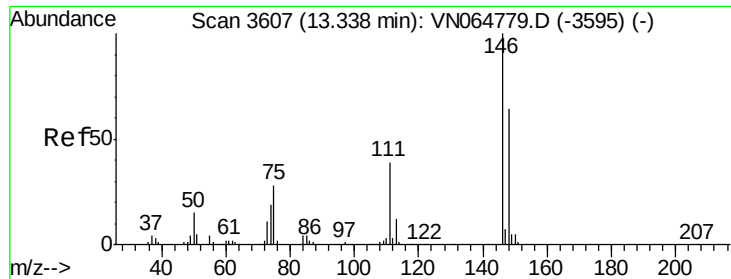
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 47.385 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	249016		
111	41.3	20.6	61.9	
148	64.0	31.9	95.5	





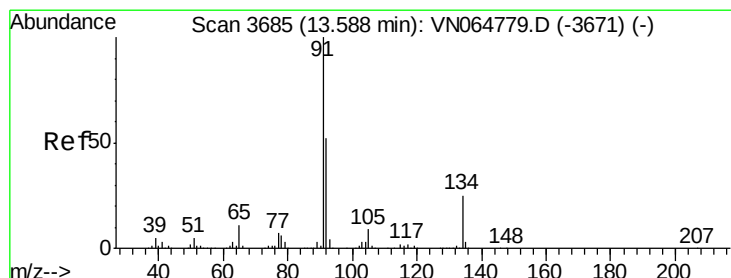
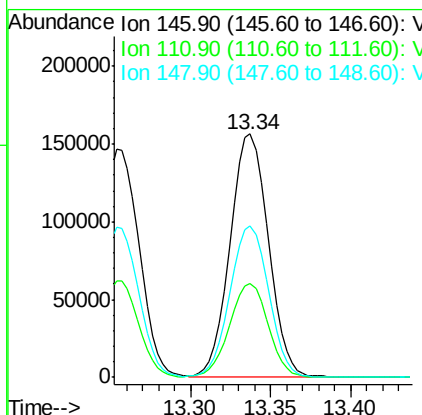
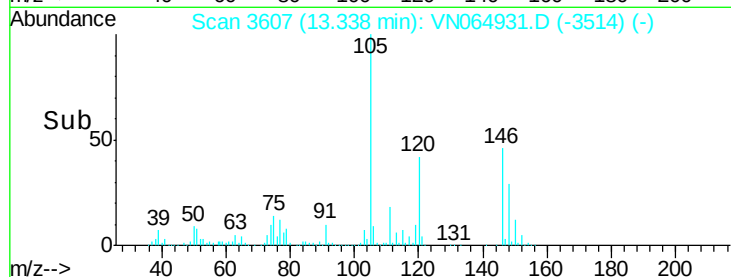
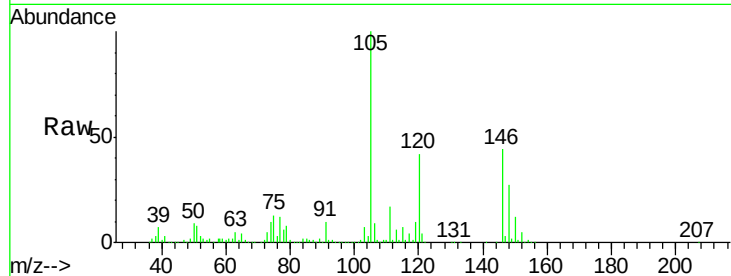
#88
 1,4-Dichlorobenzene
 Concen: 45.783 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	254441		
111	38.8	19.8	59.3	
148	62.9	31.9	95.5	

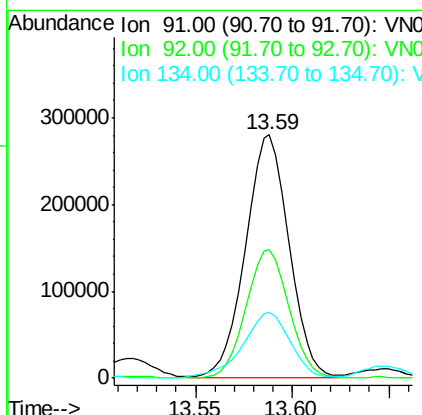
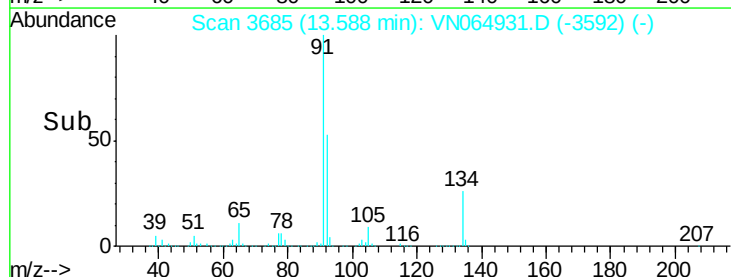
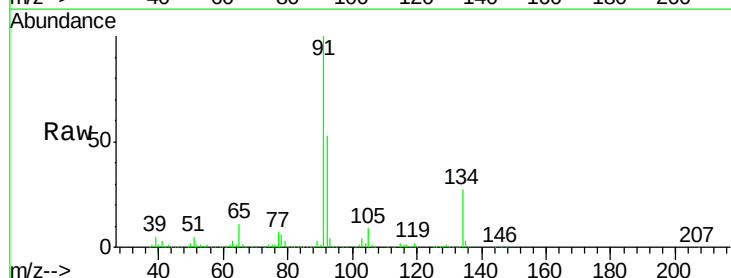
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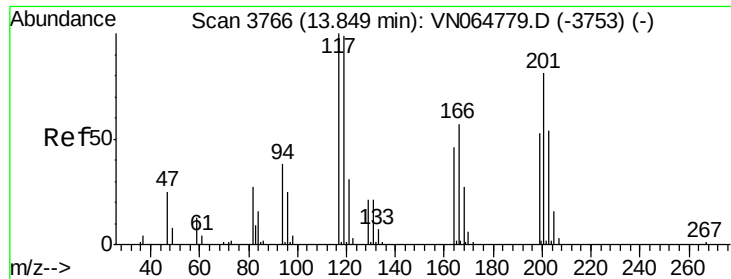
MMDadoda
 12/7/2020 10:46:03 AM



#89
 n-Butylbenzene
 Concen: 54.187 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	439695		
92	51.8	26.0	78.0	
134	29.5	12.9	38.6	





#90

Hexachloroethane

Concen: 62.587 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:117 Resp: 100461

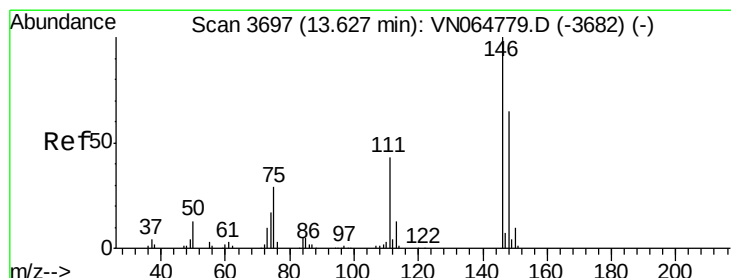
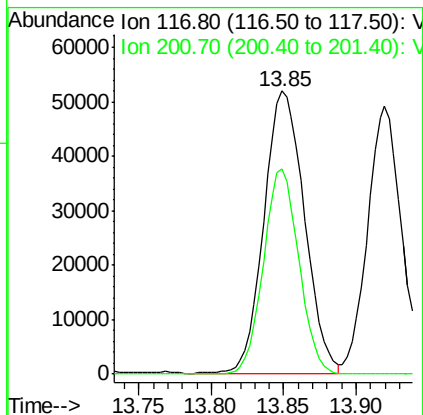
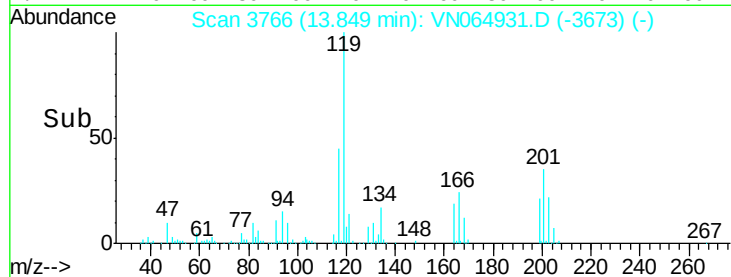
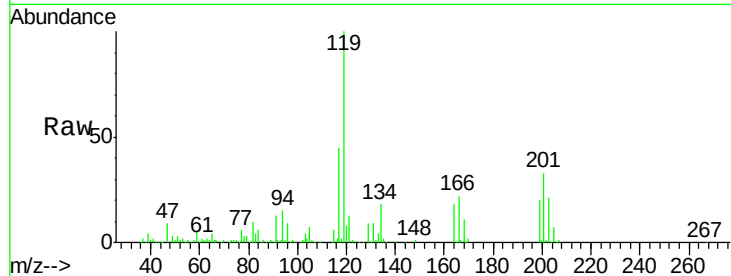
Ion Ratio Lower Upper

117 100

201 63.5 40.1 120.3

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#91

1,2-Dichlorobenzene

Concen: 47.816 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

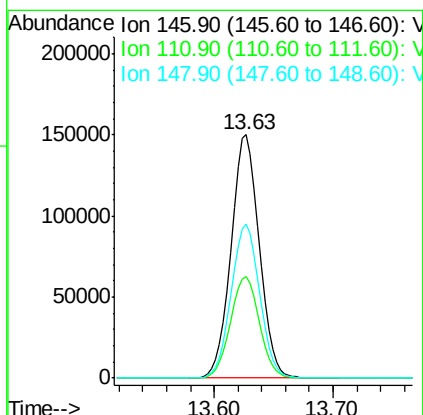
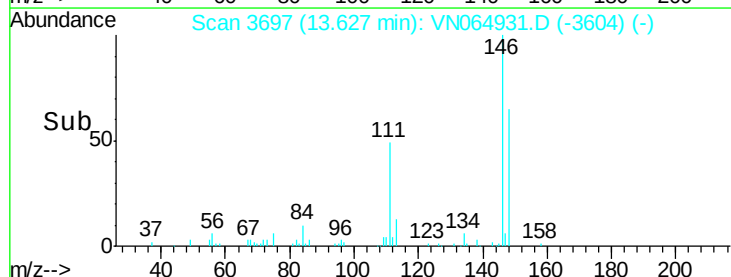
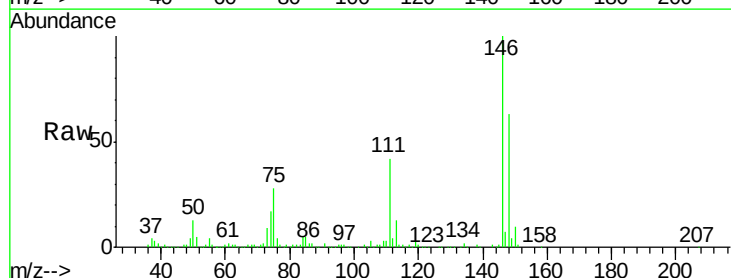
Tgt Ion:146 Resp: 246730

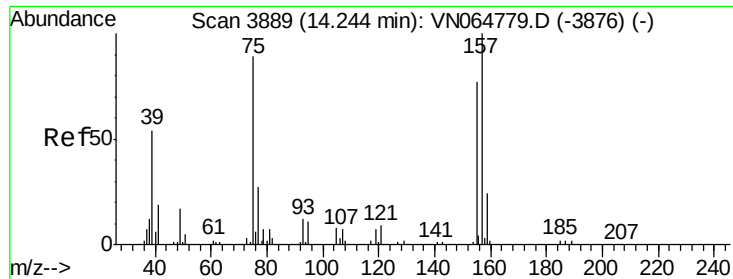
Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.1

148 64.0 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 43.903 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

Instrument :

MSVOA_N

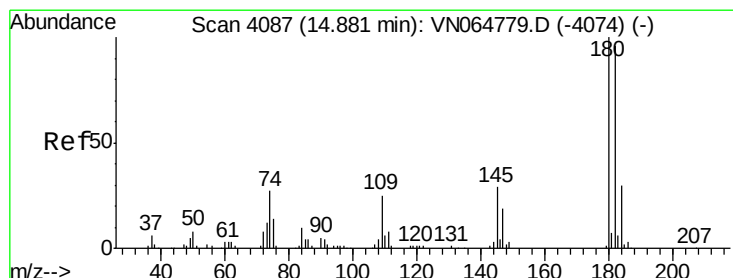
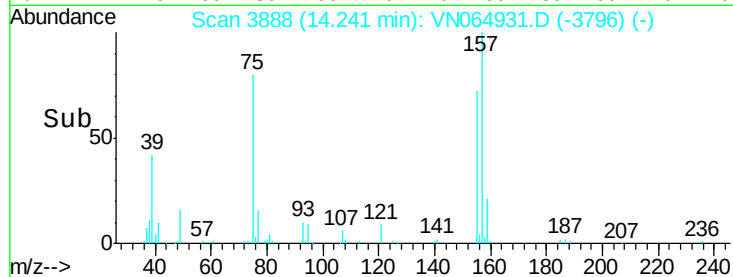
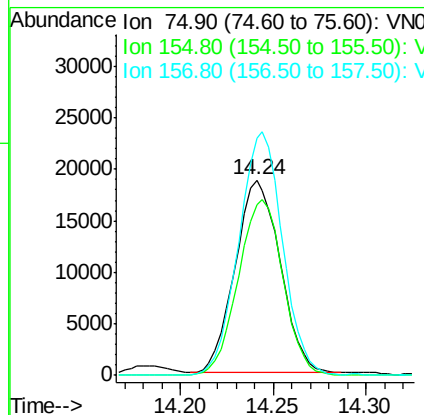
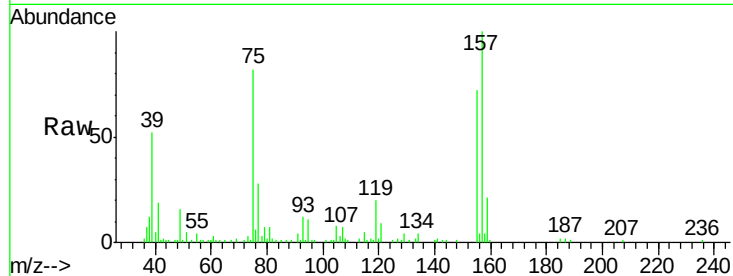
ClientSampleId :

SS013-13-6702-120220MS

Tot Ion:	75	Resp:	31767
Ion	Ratio	Lower	Upper
75	100		
155	90.0	42.8	128.3
157	122.6	56.4	169.1

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#93

1,2,4-Trichlorobenzene

Concen: 46.364 ug/l

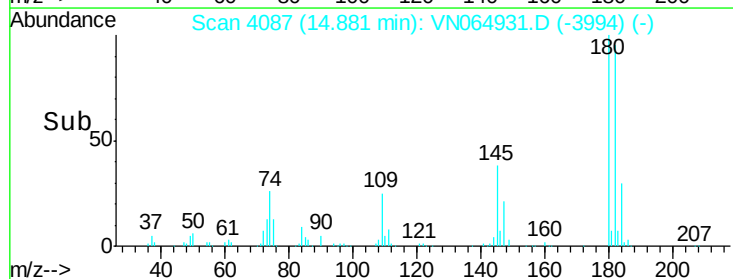
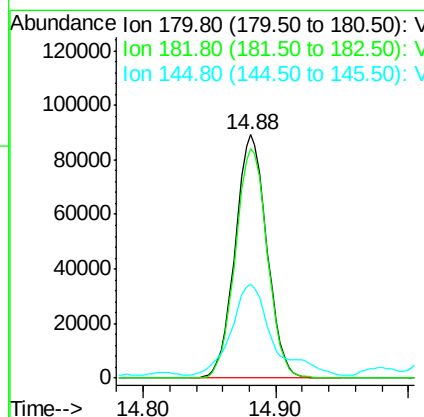
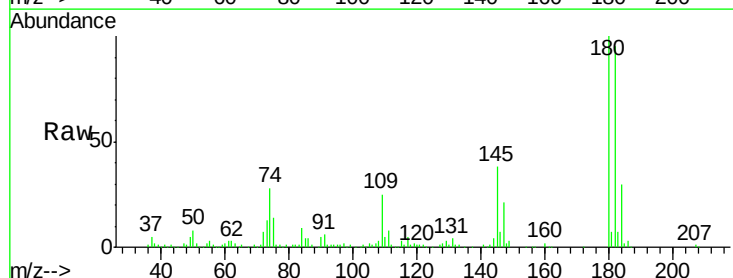
RT: 14.88 min Scan# 4087

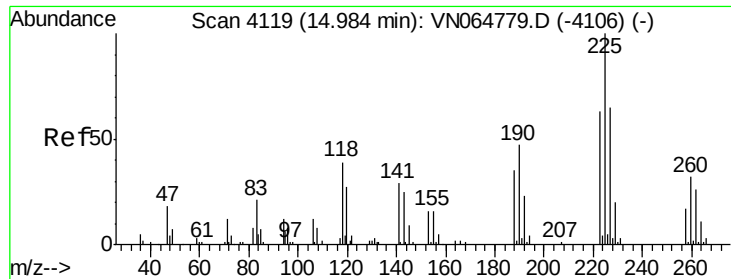
Delta R.T. 0.00 min

Lab File: VN064931.D

Acq: 4 Dec 2020 20:07

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





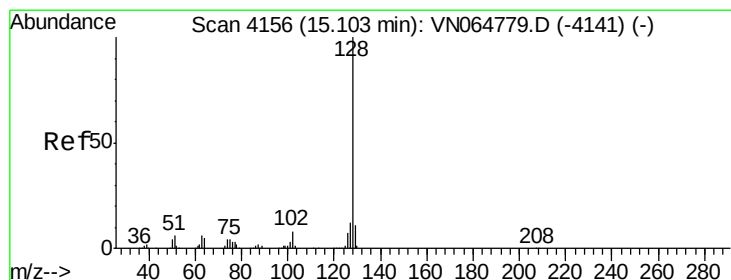
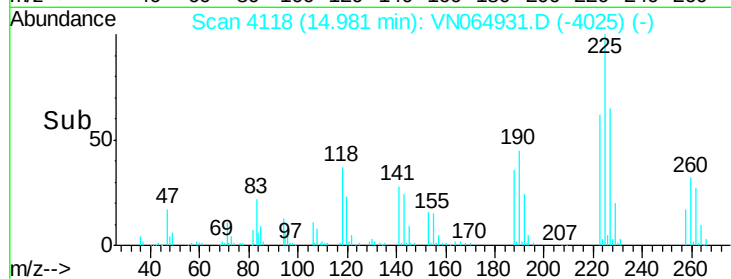
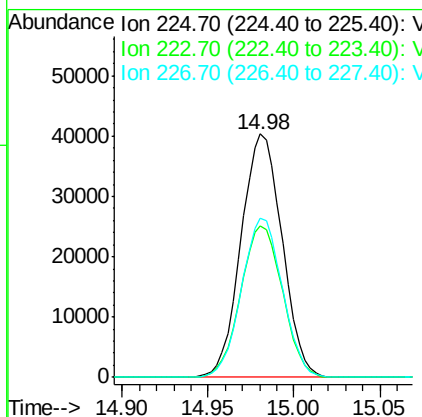
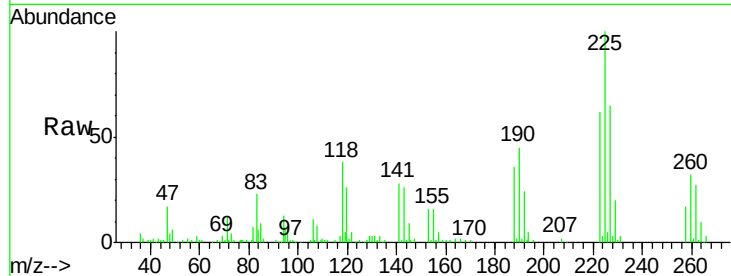
#94
Hexachlorobutadiene
Concen: 46.611 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.0	93.0
227	65.0	32.0	96.0

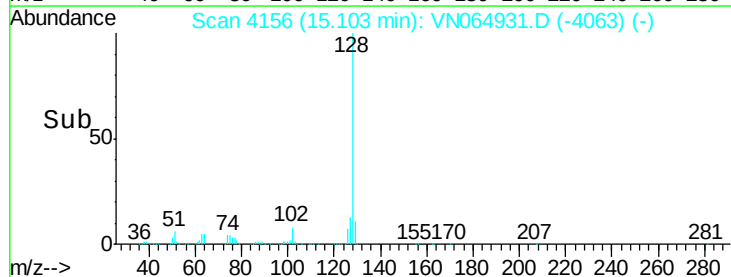
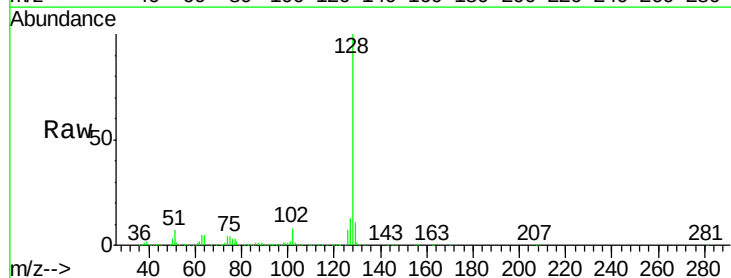
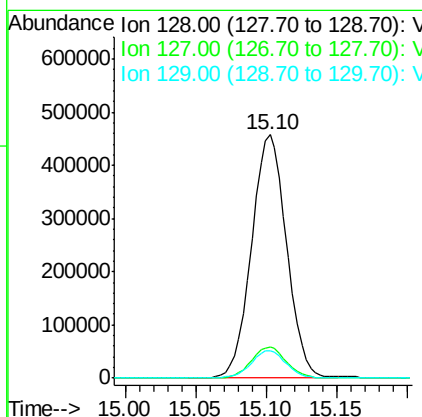
Manual Integrations
APPROVED

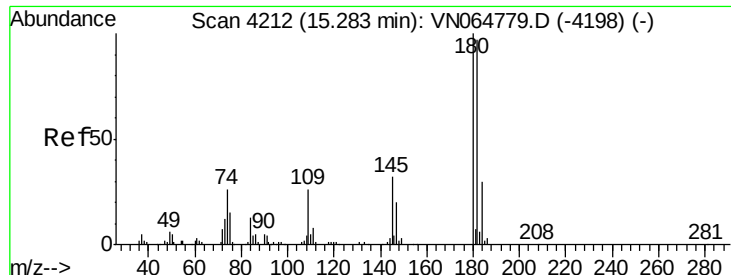
MMDadoda
12/7/2020 10:46:03 AM



#95
Naphthalene
Concen: 82.883 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064931.D
Acq: 4 Dec 2020 20:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1





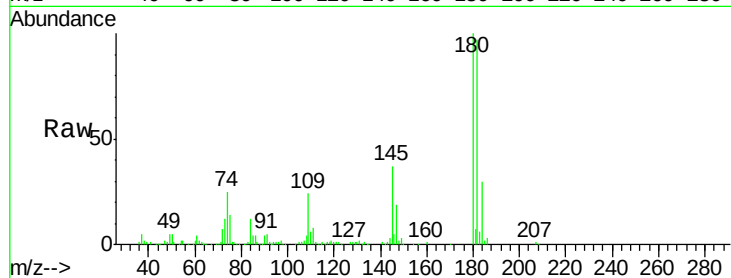
#96
 1,2,3-Trichlorobenzene
 Concen: 48.341 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064931.D
 Acq: 4 Dec 2020 20:07

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

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	48.1	144.4
145	42.4	16.4	49.1

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:03 AM



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

