

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064948.D
 Acq On : 7 Dec 2020 16:24
 Operator : JC/MD
 Sample : L4954-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 08 07:16:31 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	7.63	168	179514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	321066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	332942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107953	51.73	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.46%
35) Dibromofluoromethane	7.55	113	101404	52.78	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.56%
50) Toluene-d8	10.06	98	401811	51.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.38%
62) 4-Bromofluorobenzene	12.38	95	159893	56.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.84%

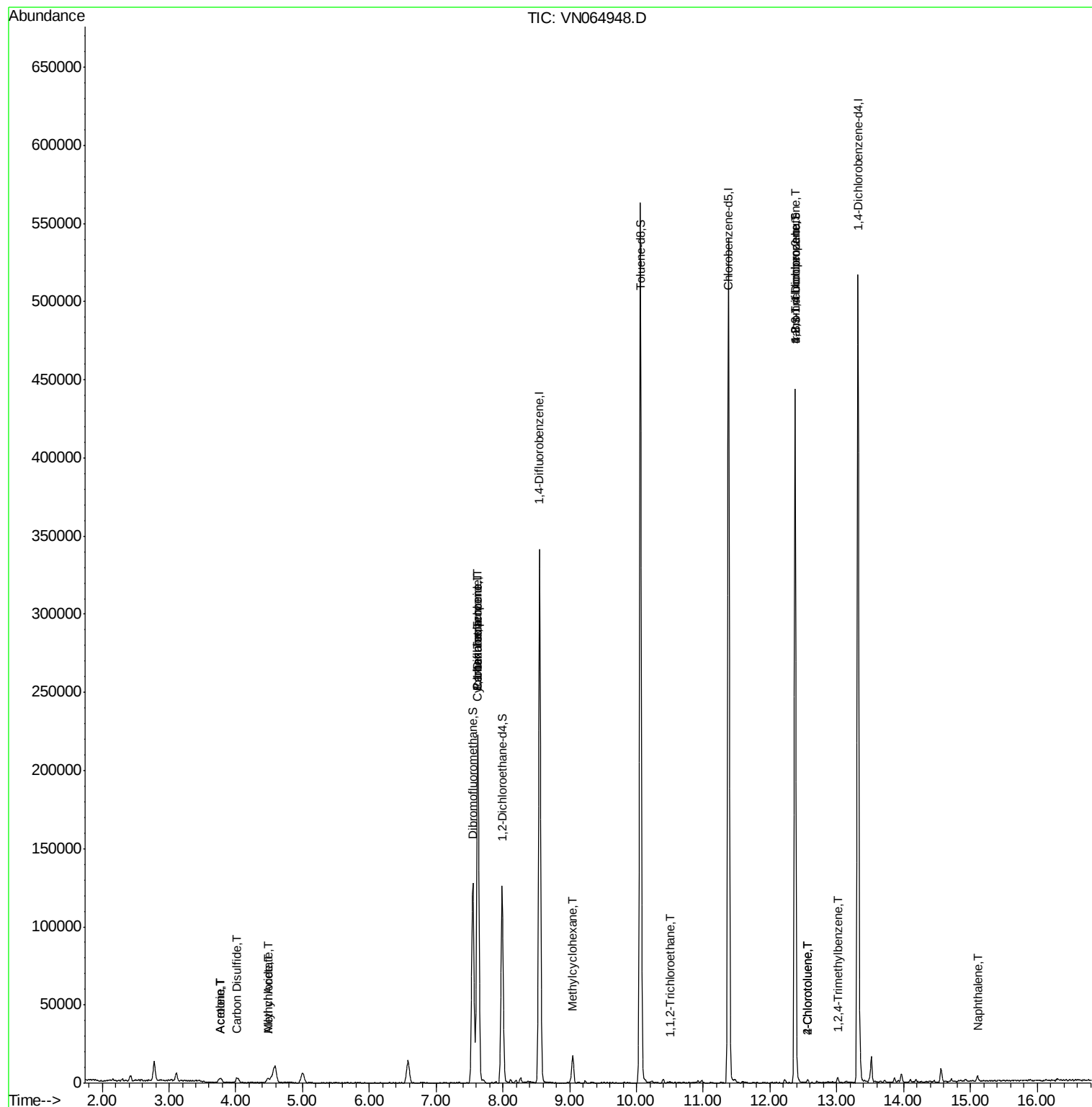
Target Compounds

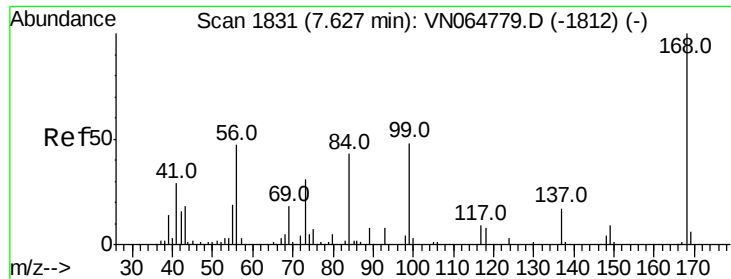
					Qvalue	
13) Acrolein	3.75	56	247	1.242	ug/l #	29
14) Allyl chloride	4.48	41	937	0.326	ug/l #	47
16) Acetone	3.77	43	759	1.106	ug/l #	43
17) Carbon Disulfide	4.01	76	4065	0.910	ug/l	98
18) Methyl Acetate	4.48	43	2143	1.039	ug/l #	50
31) Cyclohexane	7.61	56	10757	3.698	ug/l #	82
36) 1,1-Dichloropropene	7.63	75	12155	4.084	ug/l #	48
38) Carbon Tetrachloride	7.62	117	16458	5.315	ug/l #	16
39) Methylcyclohexane	9.05	83	7766	2.424	ug/l	96
55) 1,1,2-Trichloroethane	10.50	97	508	0.220	ug/l #	14
76) 1,2,3-Trichloropropane	12.38	75	76552	23.655	ug/l #	100
79) 2-Chlorotoluene	12.57	91	2055	0.279	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.38	75	76552	64.834	ug/l #	15
82) 4-Chlorotoluene	12.57	91	2055	0.266	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.01	105	2563	0.292	ug/l	88
95) Naphthalene	15.11	128	4561	0.501	ug/l #	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064948.D

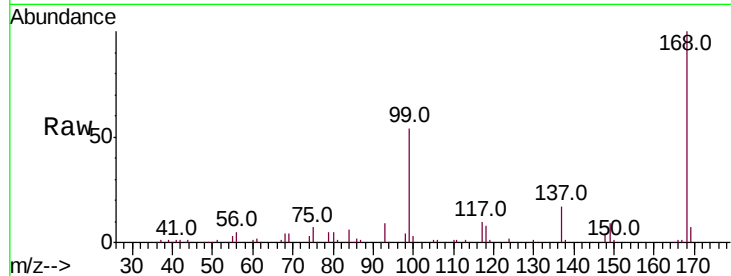
Acq: 7 Dec 2020 16:24

Tot Ion:168 Resp: 179514

Ion Ratio Lower Upper

168 100

99 54.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.63

80000

60000

40000

20000

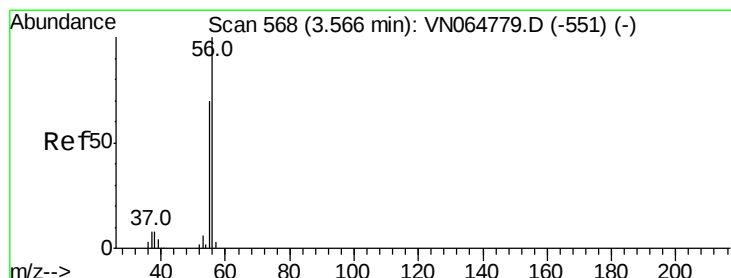
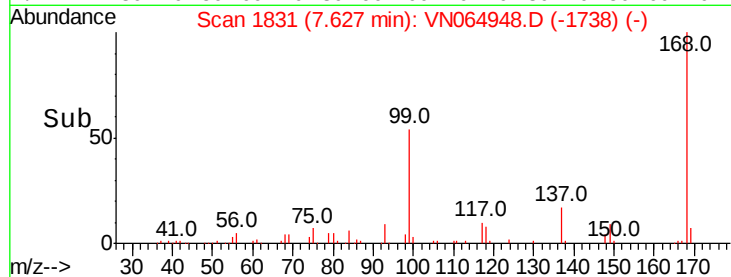
0

Time-->

7.50

7.60

7.70



#13

Acrolein

Concen: 1.242 ug/l

RT: 3.75 min Scan# 626

Delta R.T. 0.19 min

Lab File: VN064948.D

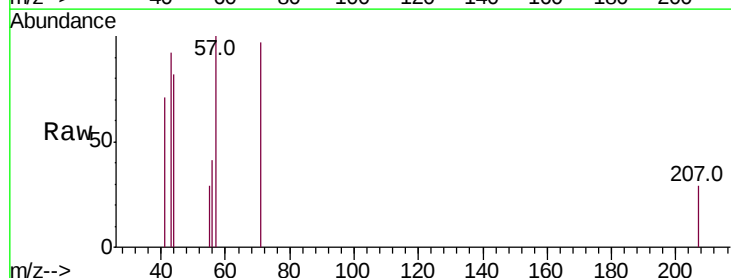
Acq: 7 Dec 2020 16:24

Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 12.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064779.D (-551) (-)

3.75

250

200

150

100

50

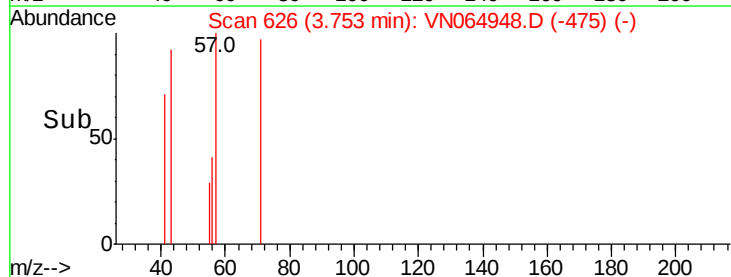
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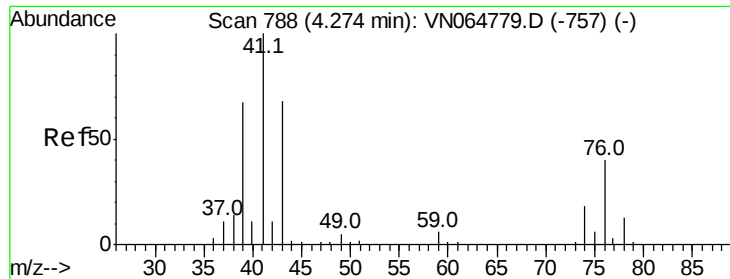
Time-->

3.74

3.76

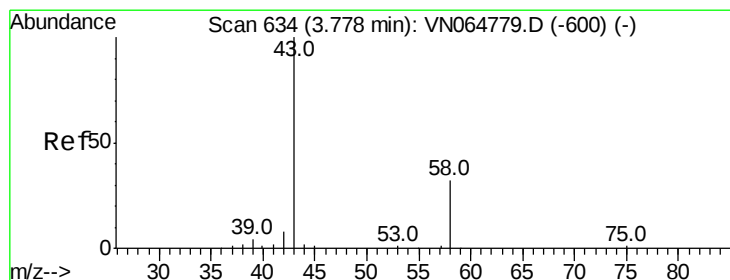
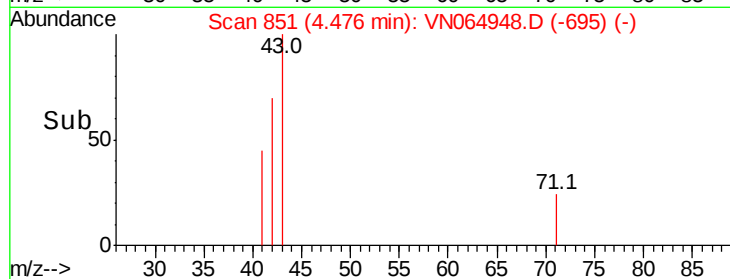
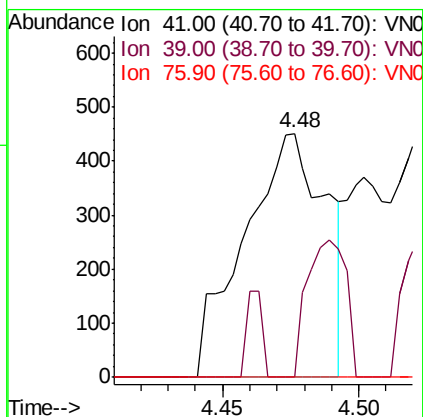
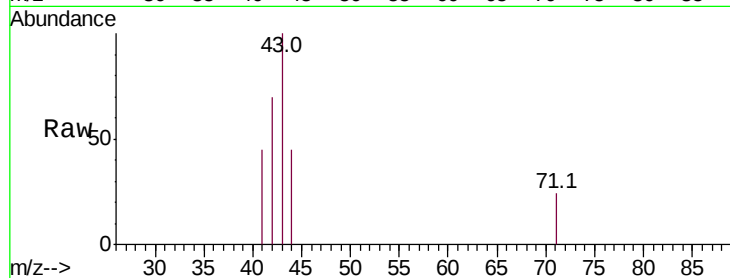
3.78





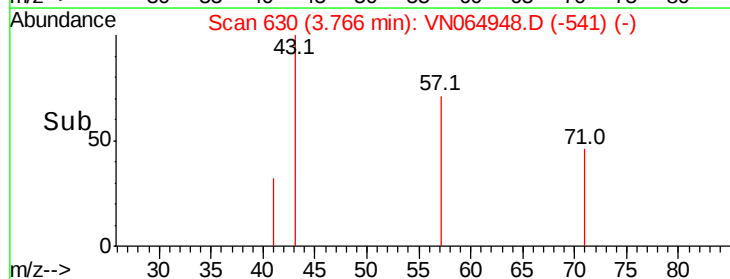
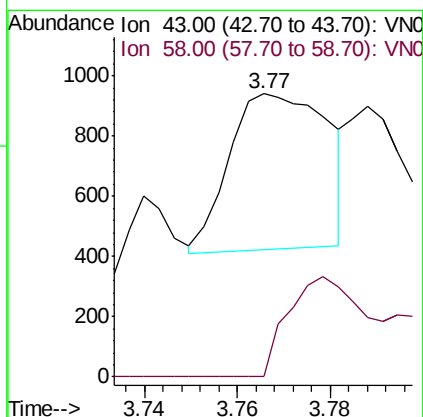
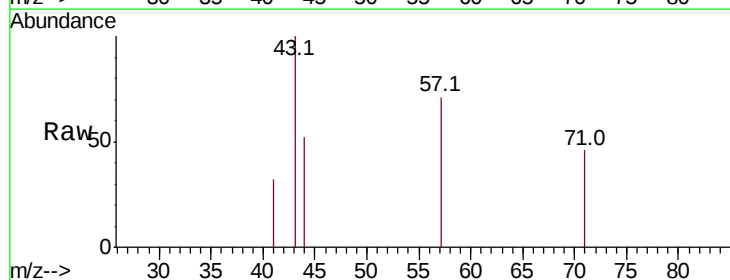
#14
Allvl chloride
Concen: 0.326 ug/l
RT: 4.48 min Scan# 851
Delta R.T. 0.20 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

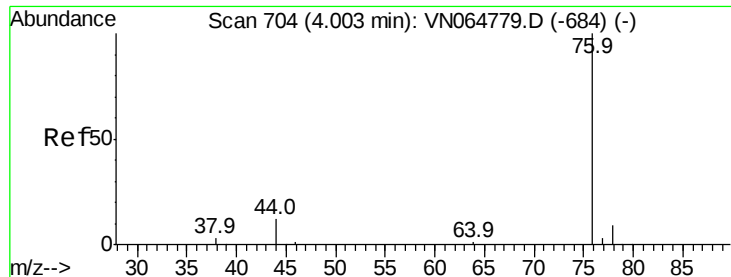
Tot Ion: 41 Resp: 937
Ion Ratio Lower Upper
41 100
39 26.4 50.9 76.3#
76 0.0 29.0 43.4#



#16
Acetone
Concen: 1.106 ug/l
RT: 3.77 min Scan# 630
Delta R.T. -0.01 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#





#17

Carbon Disulfide

Concen: 0.910 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN064948.D

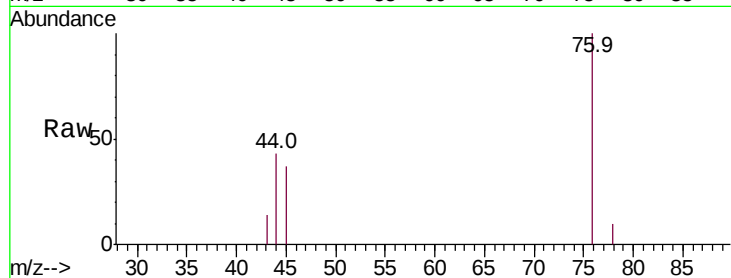
Acq: 7 Dec 2020 16:24

Tot Ion: 76 Resp: 4065

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-684) (-)

4.01

1500

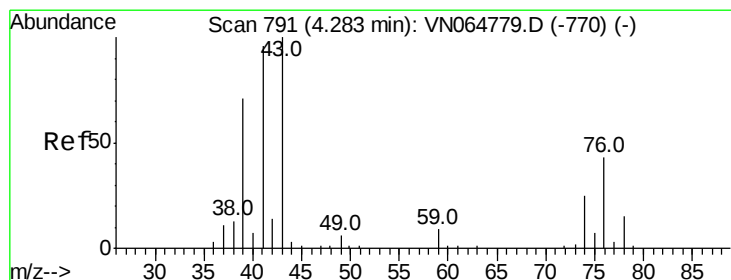
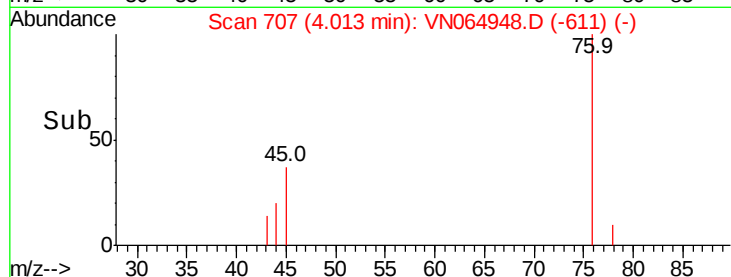
1000

500

0

Time-->

3.95 4.00 4.05



#18

Methyl Acetate

Concen: 1.039 ug/l

RT: 4.48 min Scan# 852

Delta R.T. 0.20 min

Lab File: VN064948.D

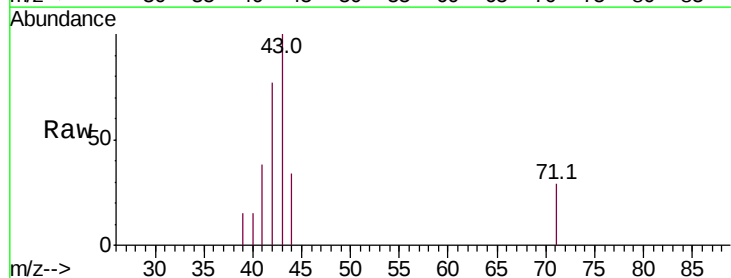
Acq: 7 Dec 2020 16:24

Tgt Ion: 43 Resp: 2143

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN064779.D (-770) (-)

1200

1000

800

600

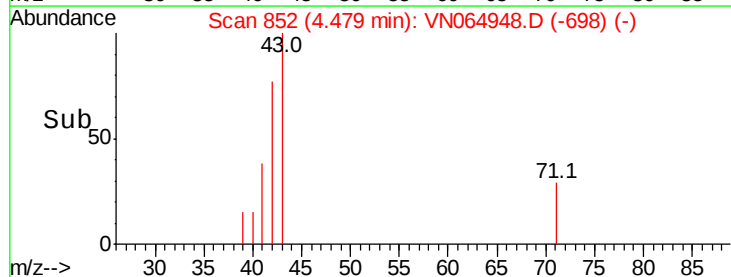
400

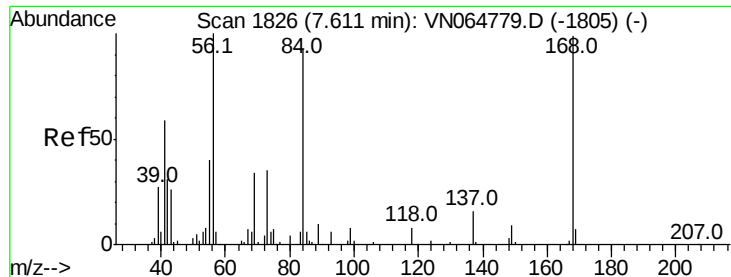
200

0

Time-->

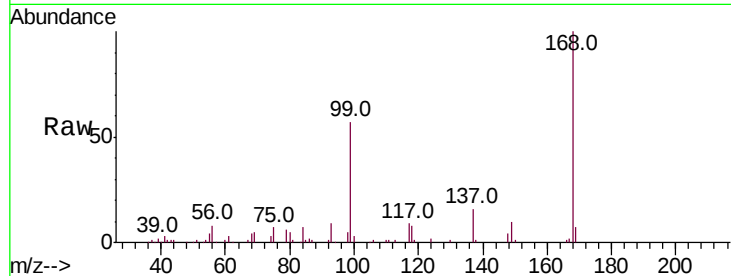
4.45 4.50



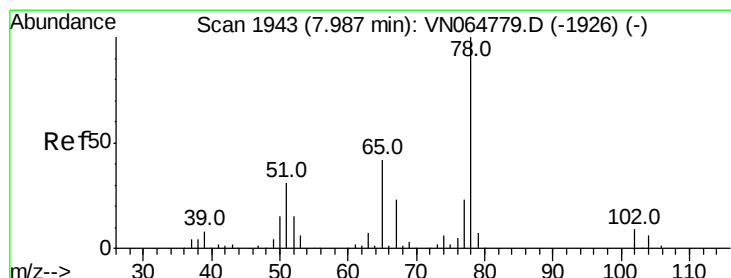
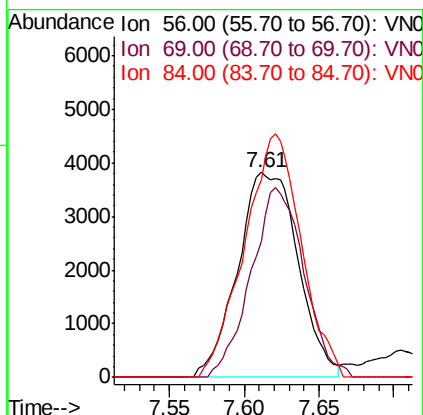
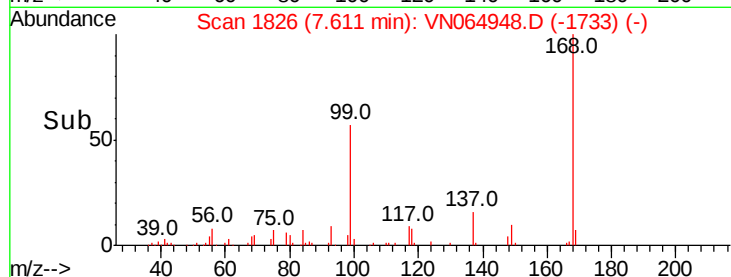


#31
Cyclohexane
Concen: 3.698 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tot Ion: 56 Resp: 10757
Ion Ratio Lower Upper
56 100
69 66.6 27.5 41.3#
84 96.7 73.9 110.9

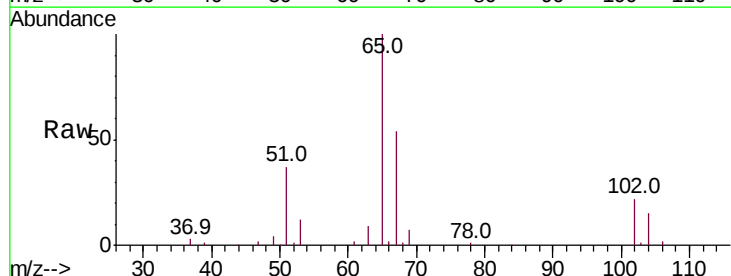


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

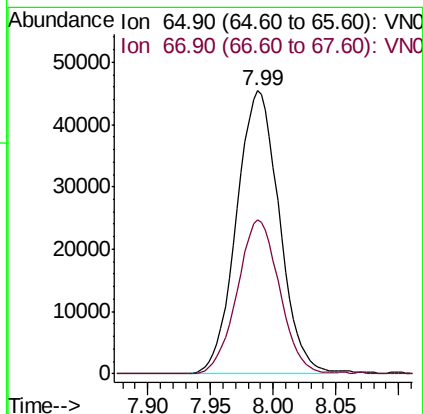
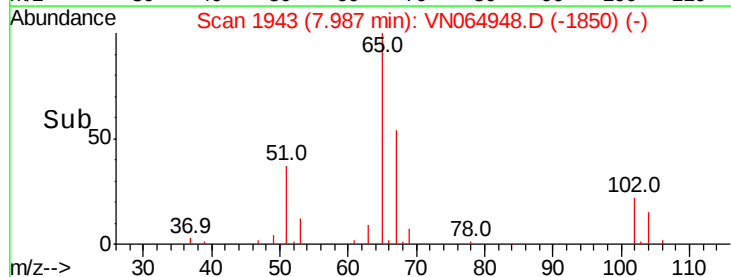


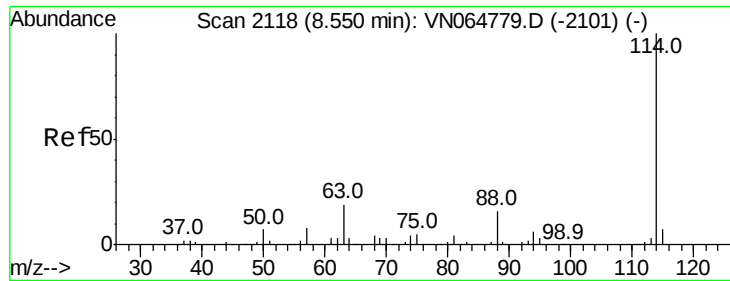
#33
1,2-Dichloroethane-d4
Concen: 51.727 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tgt Ion: 65 Resp: 107953
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.2



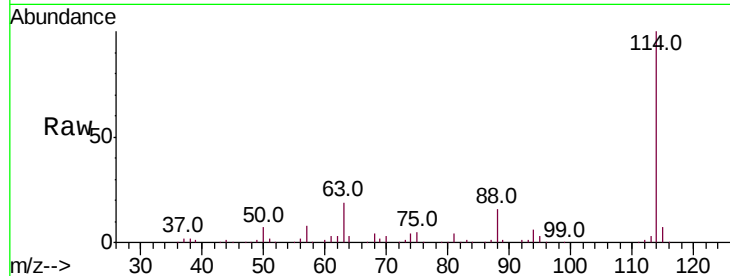
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



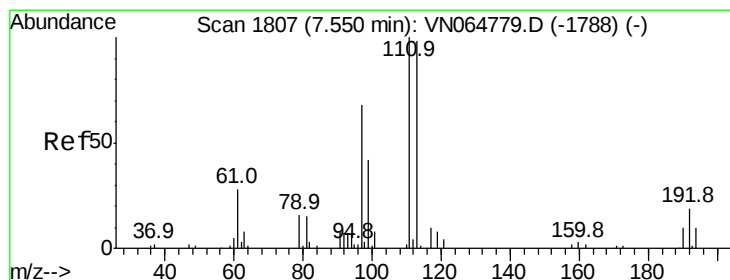
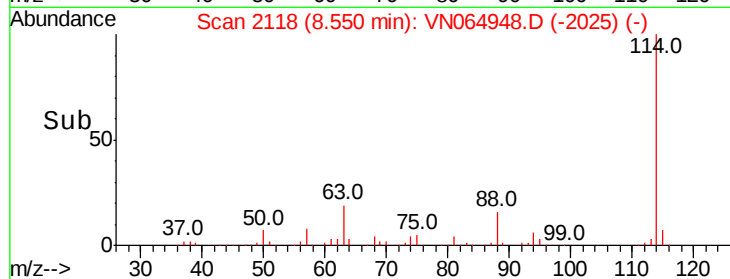
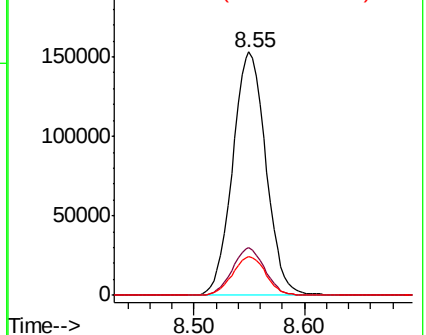


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.6
88	16.1	0.0	32.6

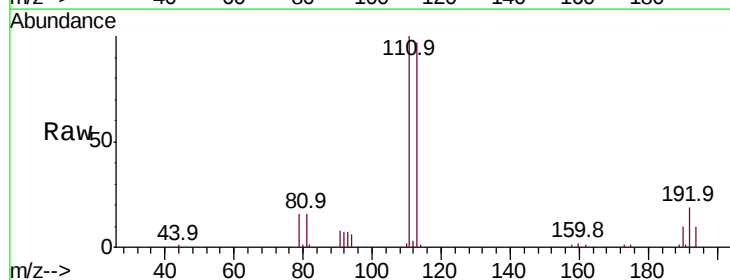


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

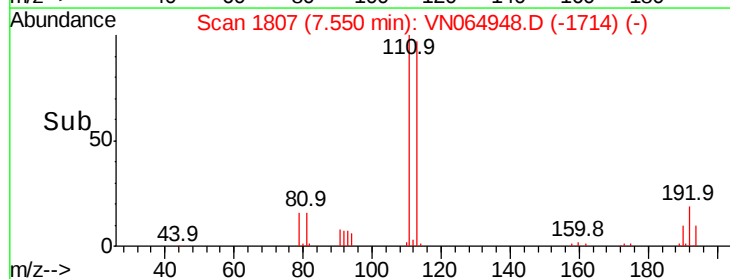
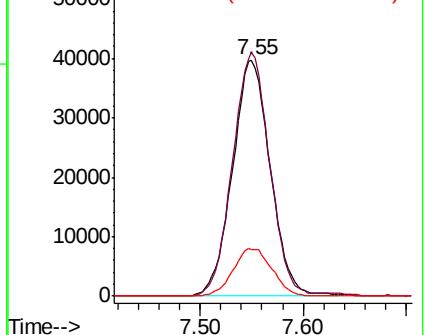


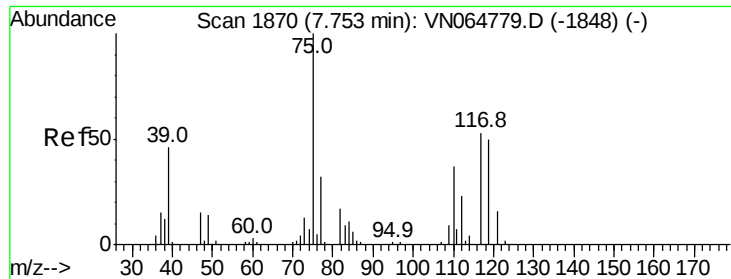
#35
 Dibromofluoromethane
 Concen: 52.783 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.6	122.4
192	20.6	16.2	24.2



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





#36

1,1-Dichloropropene

Concen: 4.084 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064948.D

Acq: 7 Dec 2020 16:24

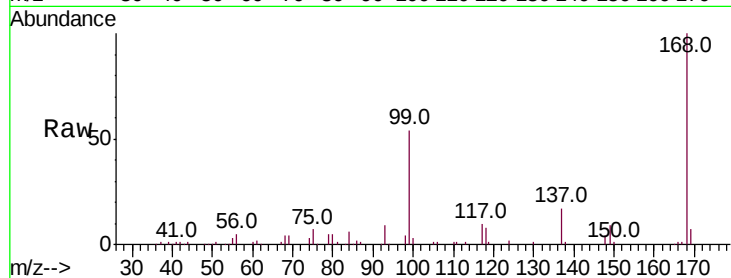
Tot Ion: 75 Resp: 12155

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.3#

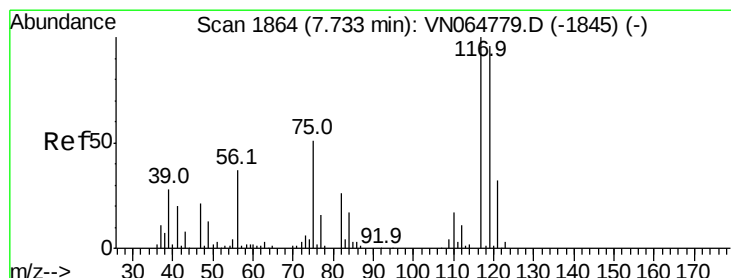
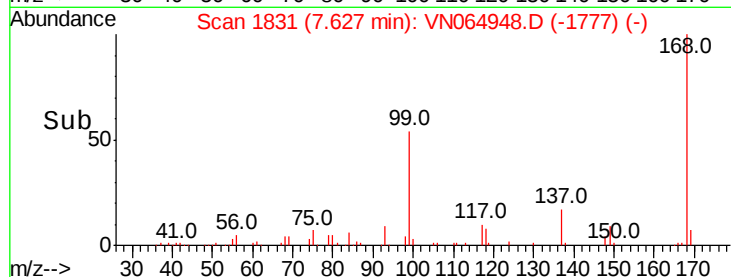
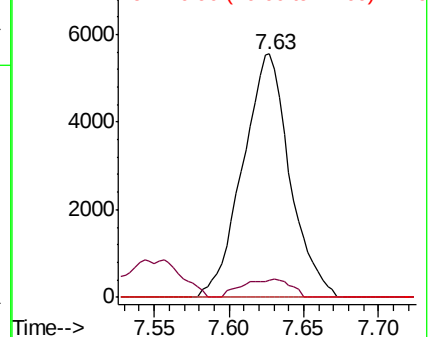
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064948.D

Acq: 7 Dec 2020 16:24

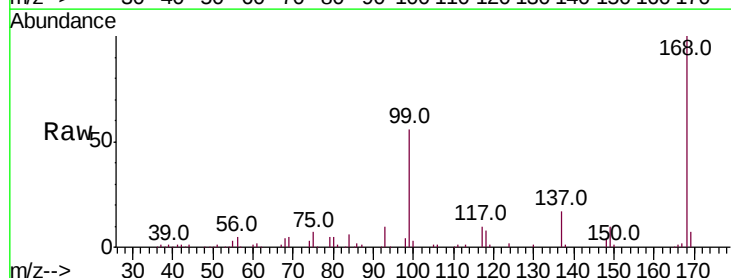
Tgt Ion: 117 Resp: 16458

Ion Ratio Lower Upper

117 100

119 5.8 76.7 115.1#

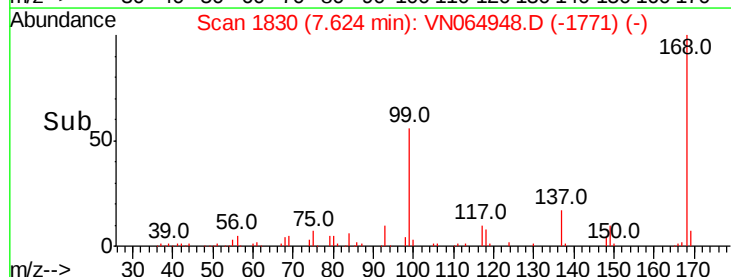
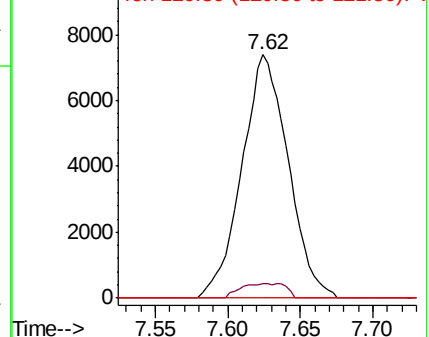
121 0.0 25.4 38.2#

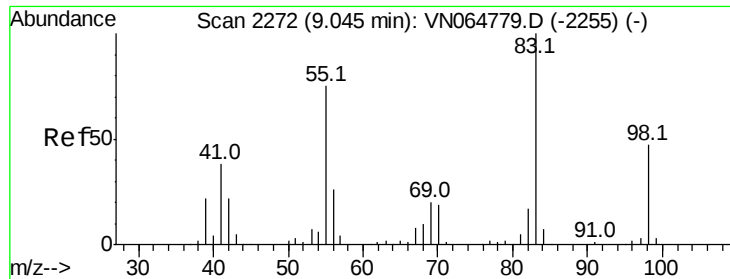


Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)

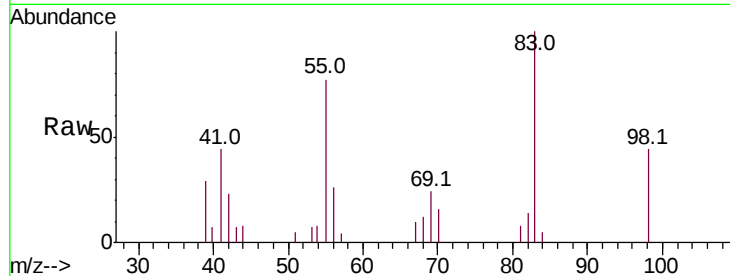
Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)



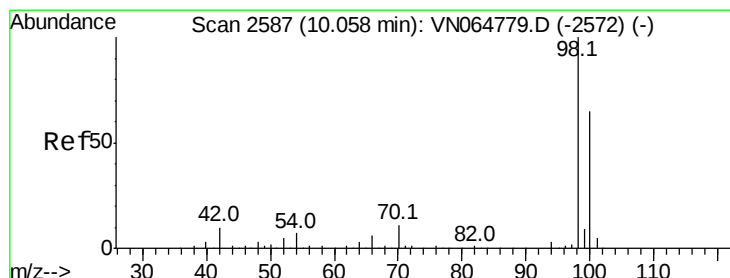
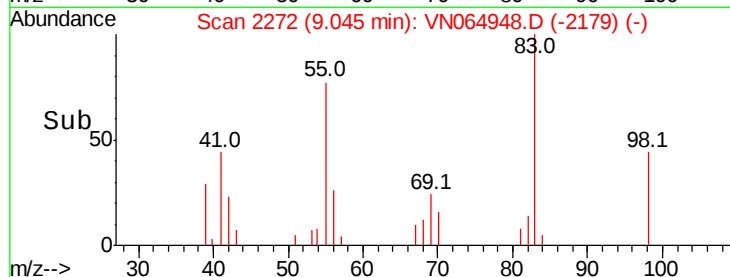
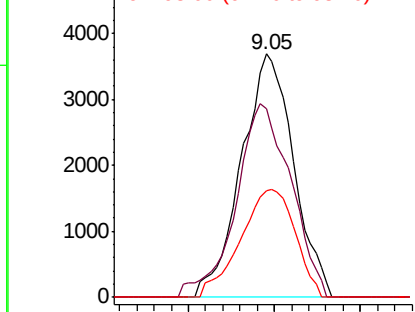


#39
Methvlcvclohexane
Concen: 2.424 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tot Ion: 83 Resp: 7766
Ion Ratio Lower Upper
83 100
55 77.5 60.2 90.2
98 43.6 37.4 56.2

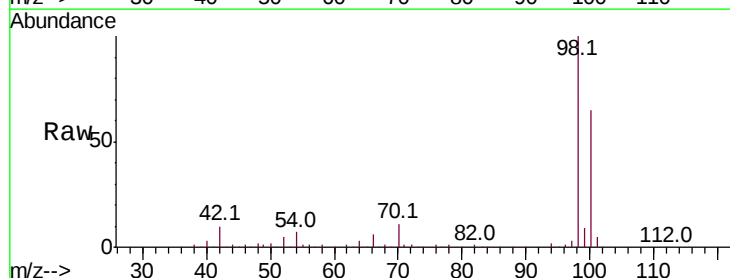


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

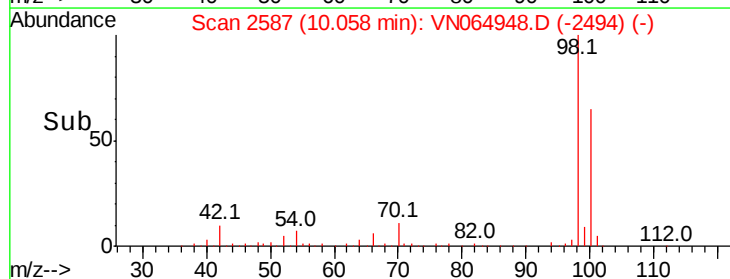
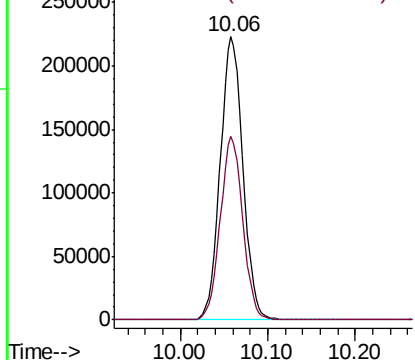


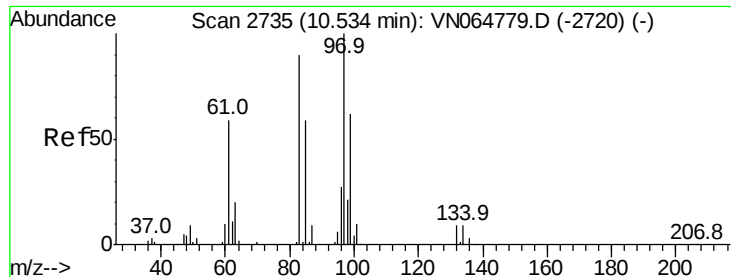
#50
Toluene-d8
Concen: 51.188 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tgt Ion: 98 Resp: 401811
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



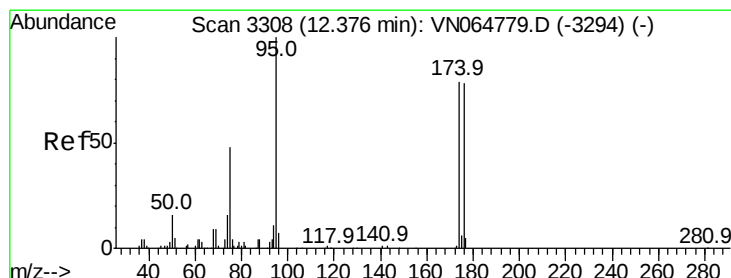
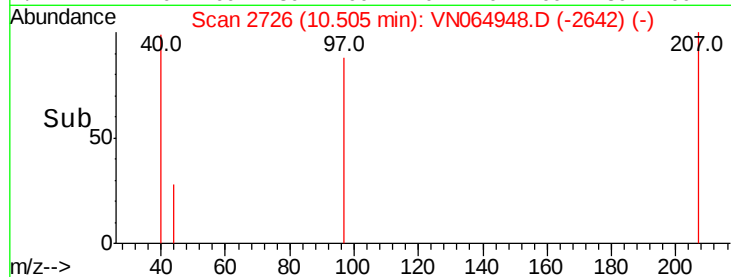
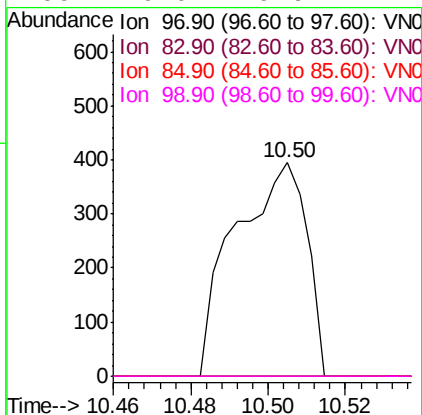
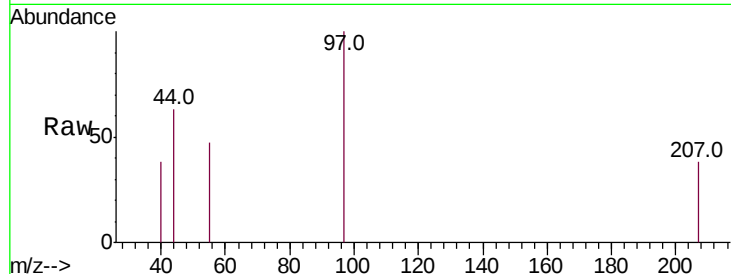
Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





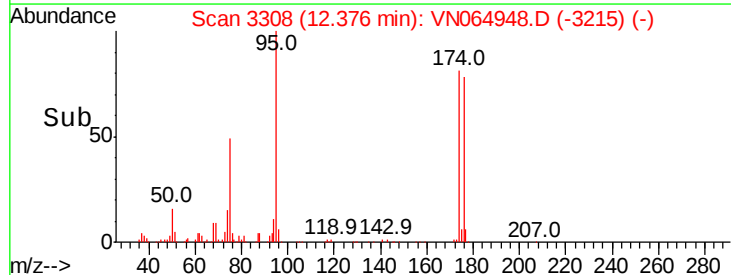
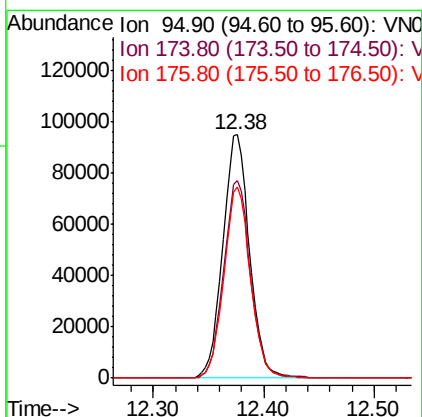
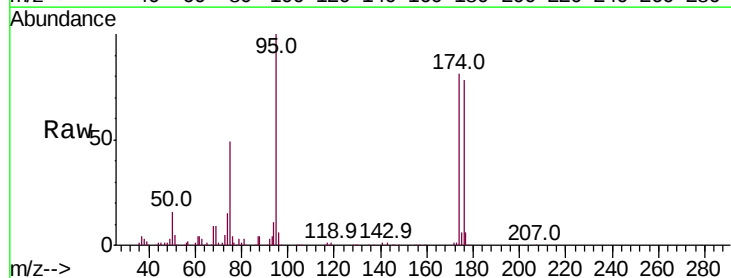
#55
 1,1,2-Trichloroethane
 Concen: 0.220 ug/l
 RT: 10.50 min Scan# 2726
 Delta R.T. -0.03 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

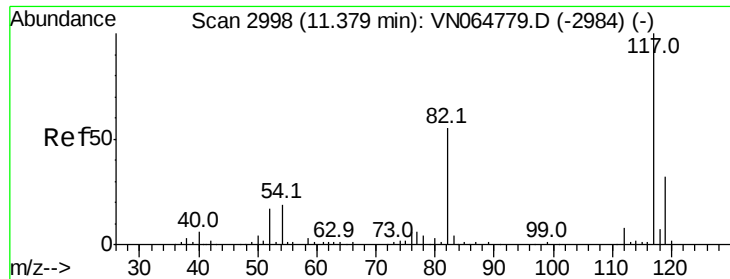
Tot Ion: 97 Resp: 508
 Ion Ratio Lower Upper
 97 100
 83 0.0 72.1 108.1#
 85 0.0 46.8 70.2#
 99 0.0 49.6 74.4#



#62
 4-Bromofluorobenzene
 Concen: 56.917 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

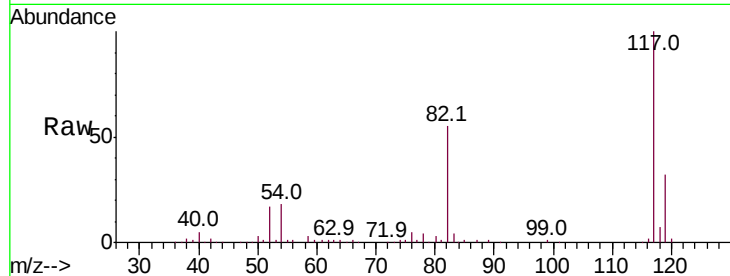
Tgt Ion: 95 Resp: 159893
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 160.4
 176 77.4 0.0 158.4



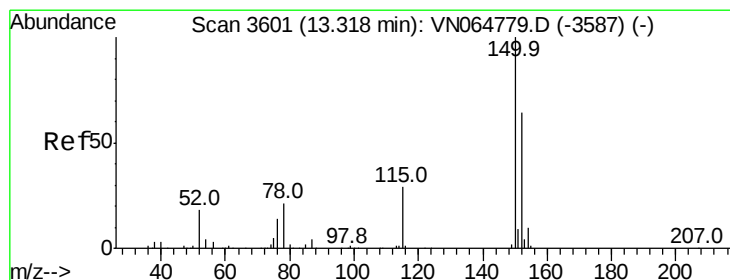
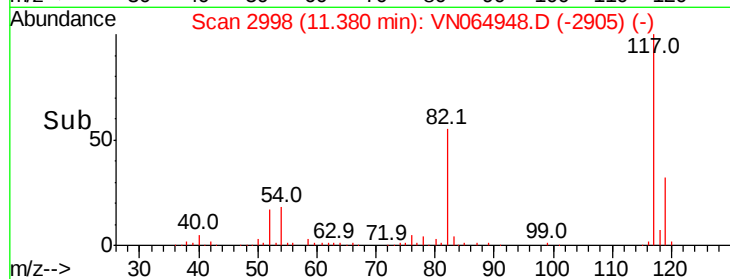
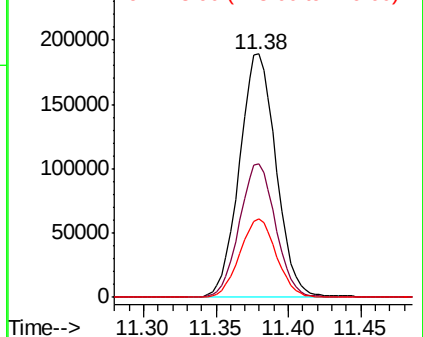


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tot Ion:117 Resp: 332942
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.1 25.8 38.6

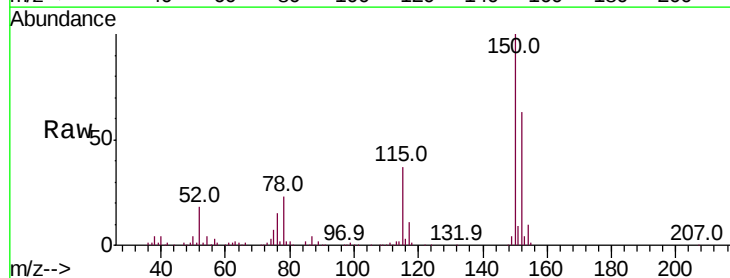


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

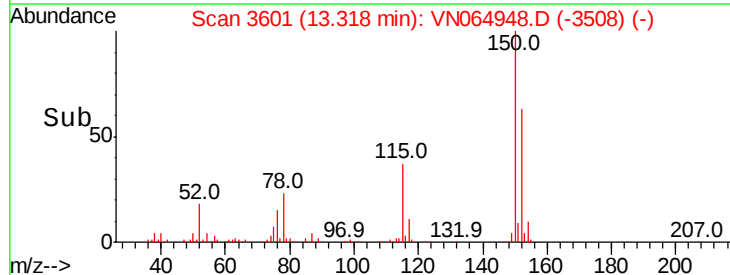
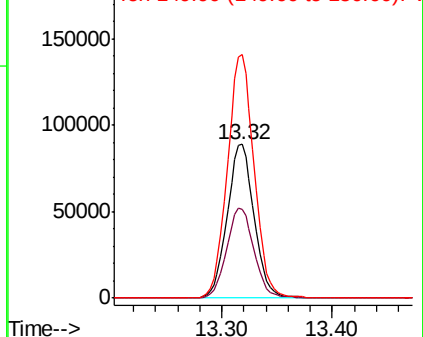


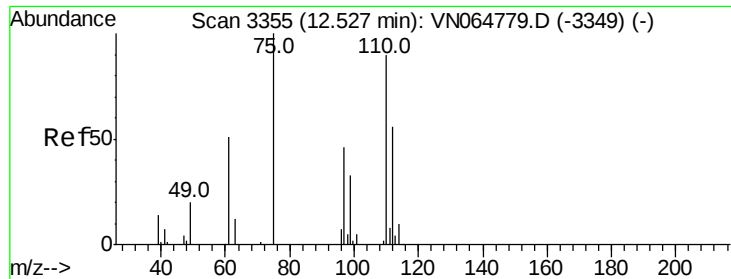
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064948.D
Acq: 7 Dec 2020 16:24

Tgt Ion:152 Resp: 150268
Ion Ratio Lower Upper
152 100
115 59.4 29.7 89.1
150 157.6 0.0 350.6



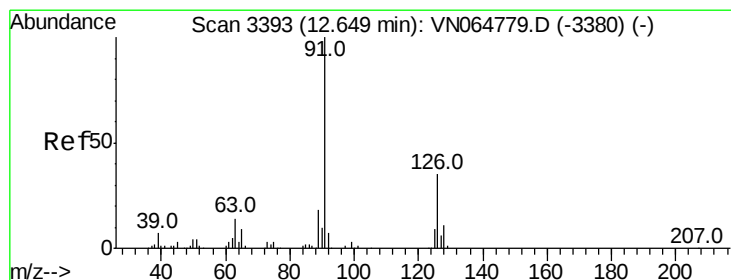
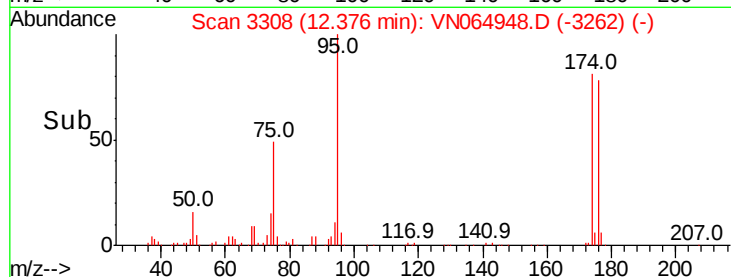
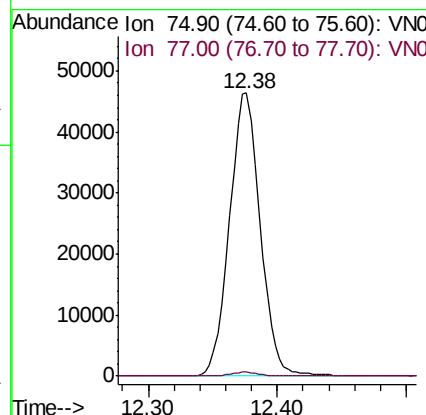
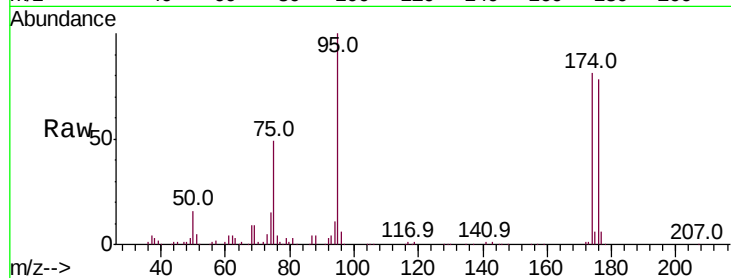
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





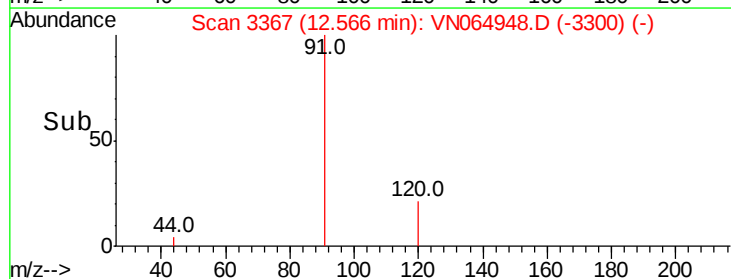
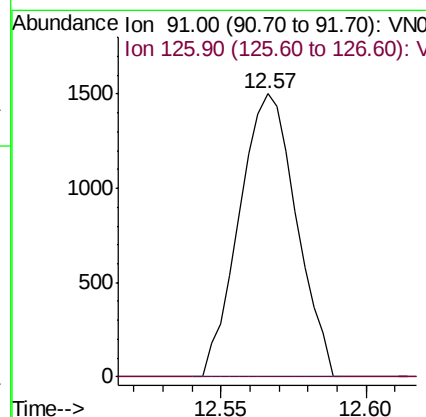
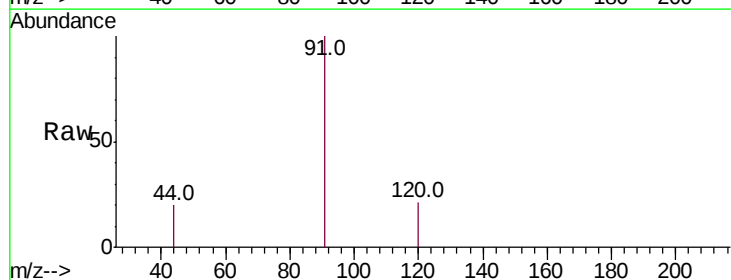
#76
 1,2,3-Trichloropropane
 Concen: 23.655 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

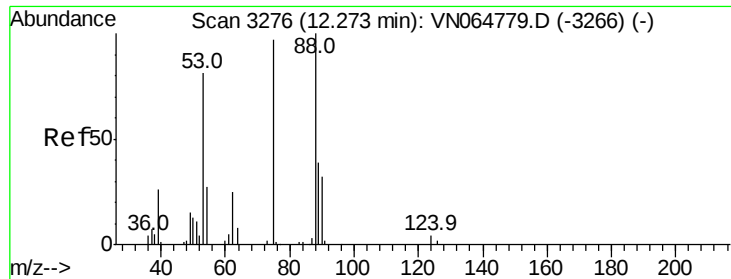
Tot Ion: 75 Resp: 76552
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: 0.279 ug/l
 RT: 12.57 min Scan# 3367
 Delta R.T. -0.08 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

Tgt Ion: 91 Resp: 2055
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.834 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064948.D

Acq: 7 Dec 2020 16:24

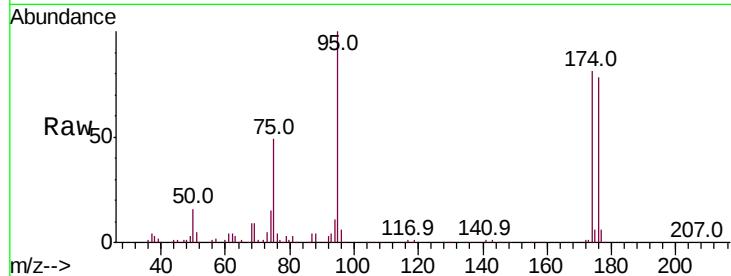
Tot Ion: 75 Resp: 76552

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

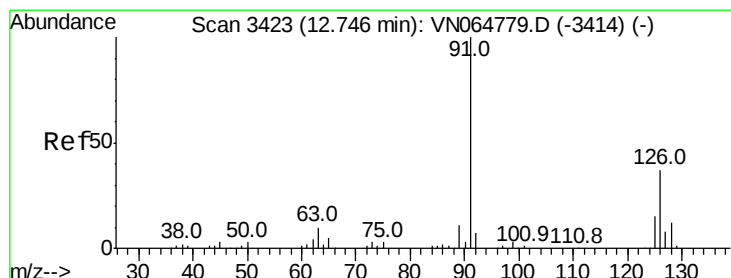
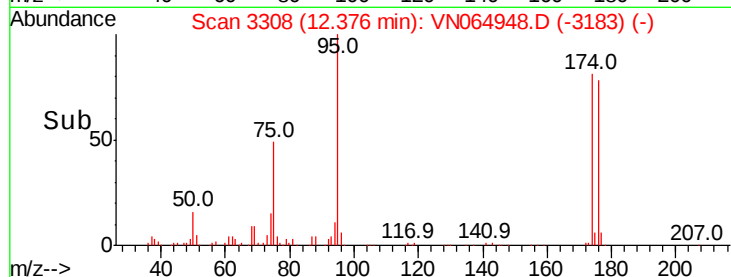
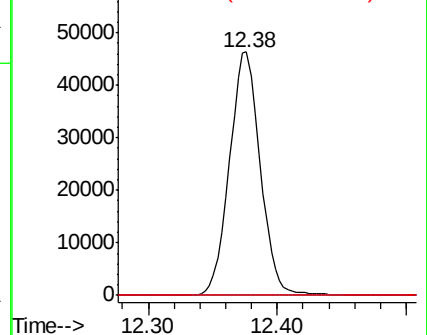
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.266 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.18 min

Lab File: VN064948.D

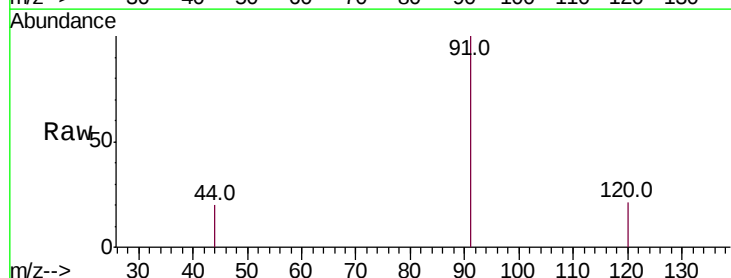
Acq: 7 Dec 2020 16:24

Tgt Ion: 91 Resp: 2055

Ion Ratio Lower Upper

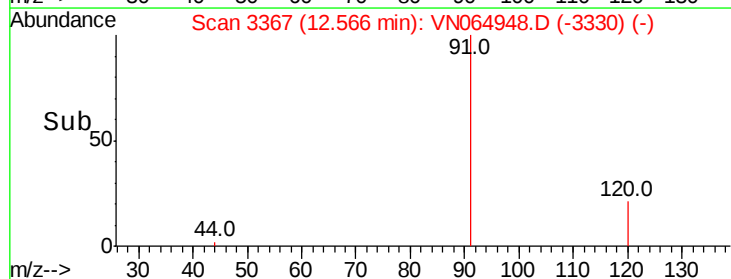
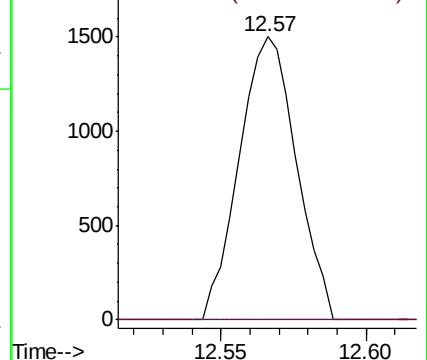
91 100

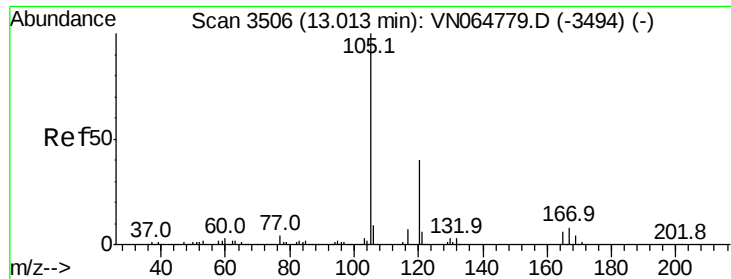
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

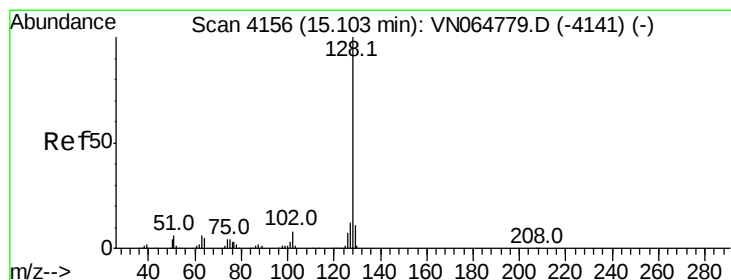
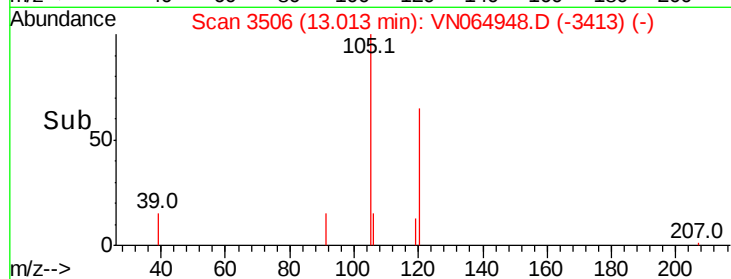
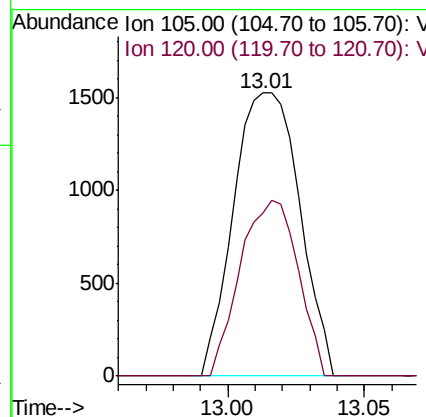
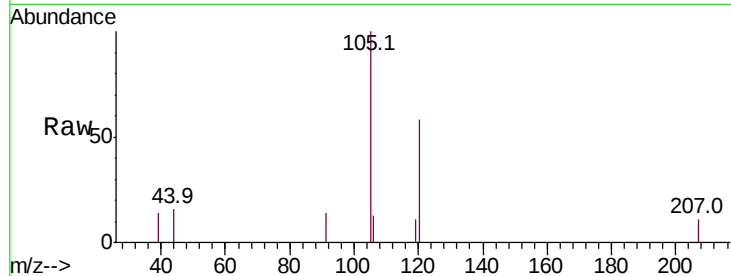
Ion 125.90 (125.60 to 126.60): V





#84
 1,2,4-Trimethylbenzene
 Concen: 0.292 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

Tot Ion:105 Resp: 2563
 Ion Ratio Lower Upper
 105 100
 120 54.3 23.1 69.2



#95
 Naphthalene
 Concen: 0.501 ug/l
 RT: 15.11 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN064948.D
 Acq: 7 Dec 2020 16:24

Tgt Ion:128 Resp: 4561
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.3 15.5#
 129 10.0 8.7 13.1

