

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
 Data File : VN075233.D
 Acq On : 10 Nov 2022 14:34
 Operator : JC\MD
 Sample : N5537-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 360

Quant Time: Nov 11 04:10:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	101625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75769	55.335	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.680%			
35) Dibromofluoromethane	8.171	113	62157	54.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.860%			
50) Toluene-d8	10.565	98	228919	51.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	80276	51.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.160%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.907	94	429	Below Cal	#	72
11) Tert butyl alcohol	5.495	59	1041	3.260	ug/l #	72
16) Acetone	4.448	43	13380	23.077	ug/l	96
18) Methyl Acetate	5.048	43	2482	1.311	ug/l #	83
20) Methylene Chloride	5.271	84	8620	6.668	ug/l	85
25) 2-Butanone	7.500	43	776	0.851	ug/l #	78
31) Cyclohexane	8.236	56	2046	1.005	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	8530	4.824	ug/l #	52
37) Ethyl Acetate	7.571	43	16452	8.485	ug/l	97
38) Carbon Tetrachloride	8.230	117	11208	5.763	ug/l #	12
43) Isopropyl Acetate	8.694	43	73589	24.467	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	926	0.719	ug/l #	42
48) Methyl methacrylate	9.665	41	2543	1.843	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	3344	1.723	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	29056	13.352	ug/l #	65
56) Ethyl methacrylate	10.988	69	570	0.260	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3732	1.562	ug/l #	42
59) 2-Hexanone	11.171	43	62548	42.461	ug/l #	21
71) Bromoform	12.847	173	623	0.582	ug/l #	1
74) N-amyl acetate	12.488	43	763	0.338	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	40854	25.313	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40854	64.979	ug/l #	10
95) Naphthalene	15.641	128	1482	0.342	ug/l #	69

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

Quant Time: Nov 11 04:10:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration

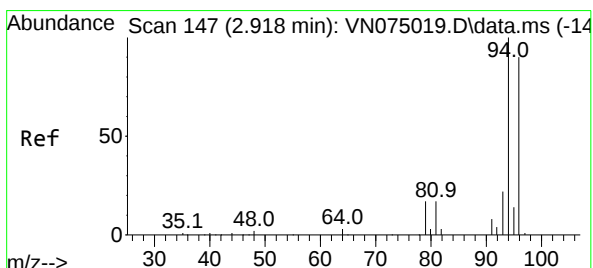
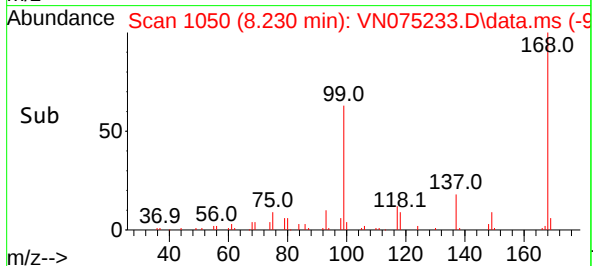
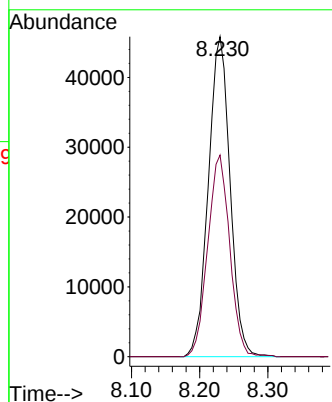
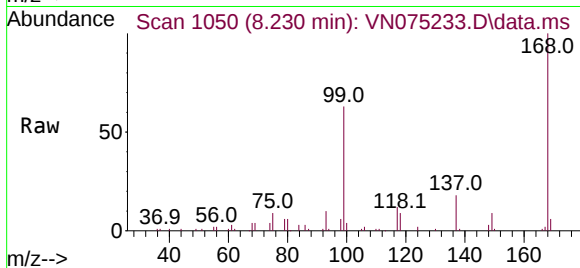




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

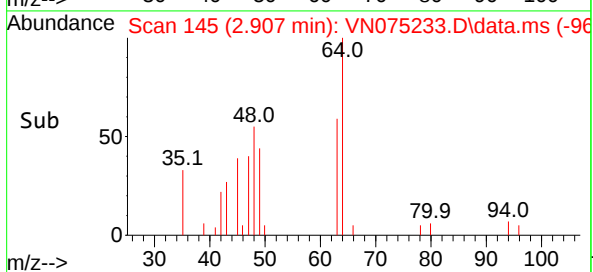
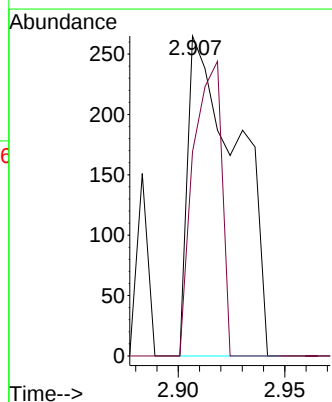
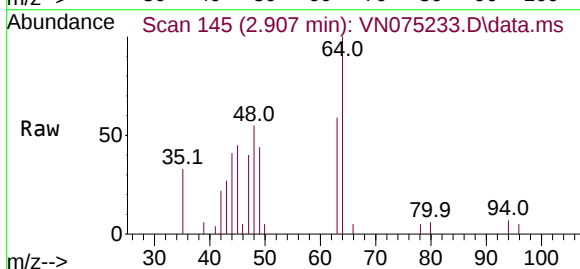
Instrument :
MSVOA_N
ClientSampleId :
360

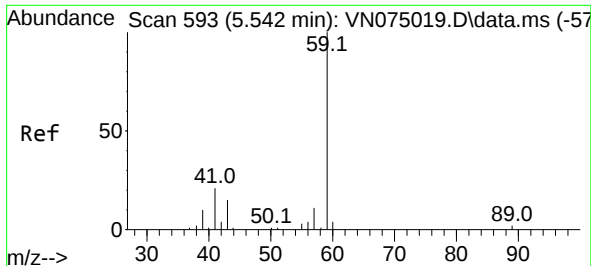
Tgt Ion:168 Resp: 101625
Ion Ratio Lower Upper
168 100
99 63.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.907 min Scan# 145
Delta R.T. -0.011 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 94 Resp: 429
Ion Ratio Lower Upper
94 100
96 63.8 71.8 107.6#

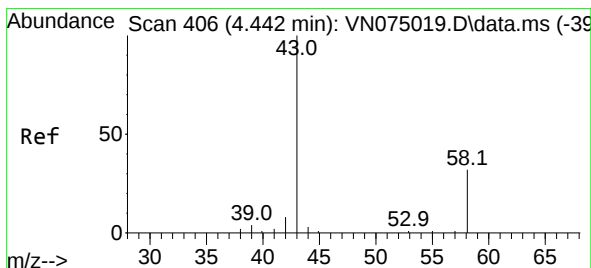
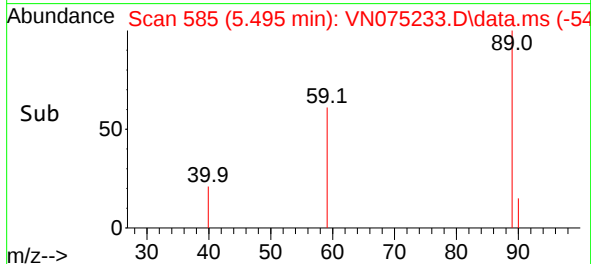
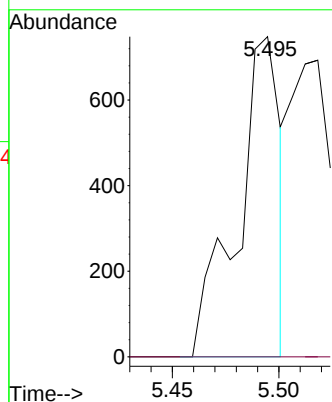
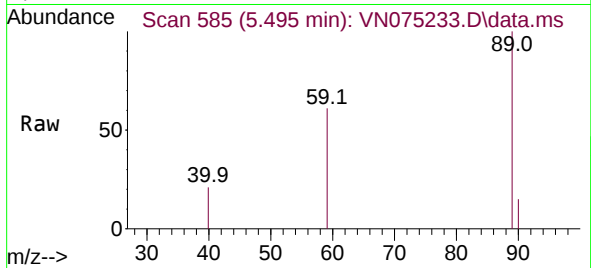




#11
Tert butyl alcohol
Concen: 3.260 ug/l
RT: 5.495 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

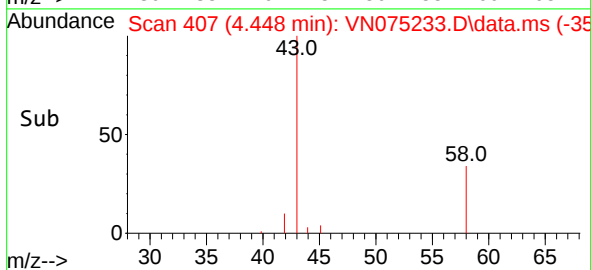
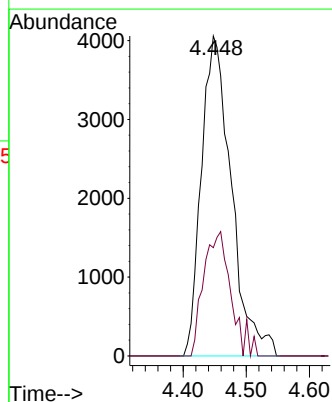
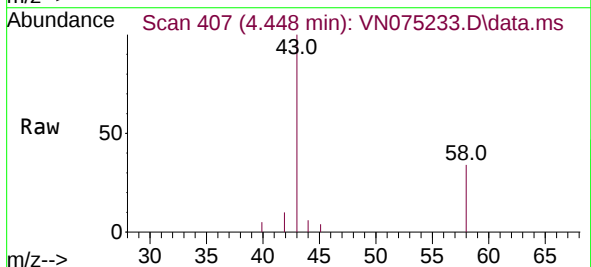
Instrument :
MSVOA_N
ClientSampleId :
360

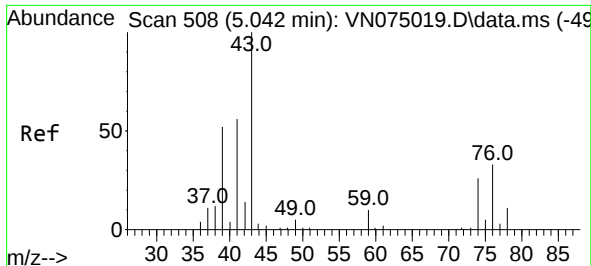
Tgt Ion: 59 Resp: 1041
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 23.077 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 43 Resp: 13380
Ion Ratio Lower Upper
43 100
58 33.9 25.5 38.3

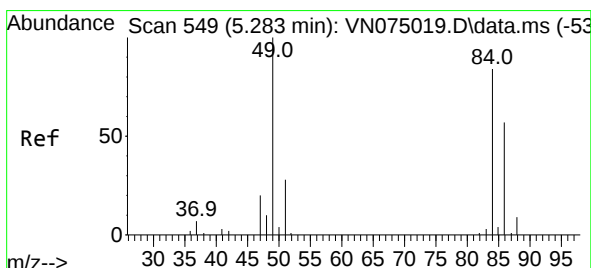
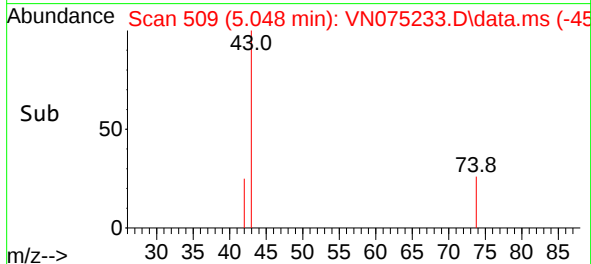
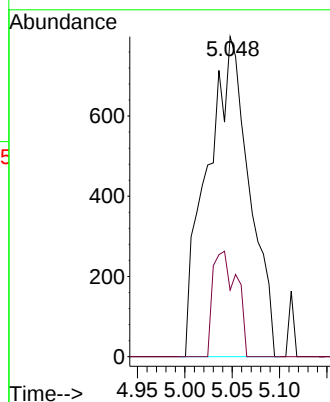
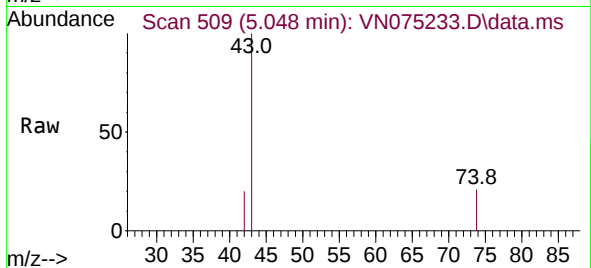




#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 5.048 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

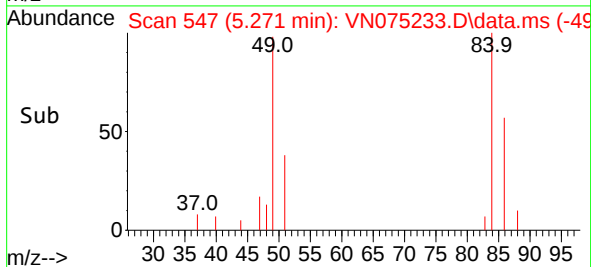
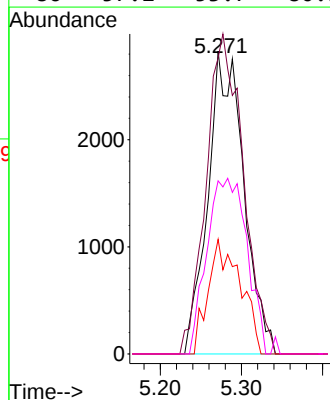
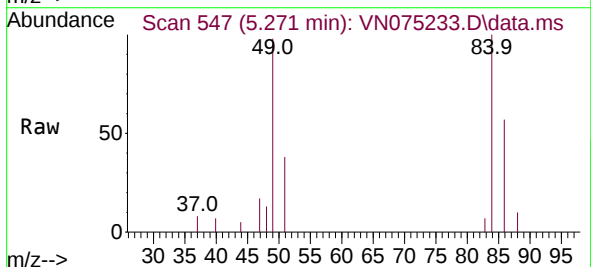
Instrument :
MSVOA_N
ClientSampleId :
360

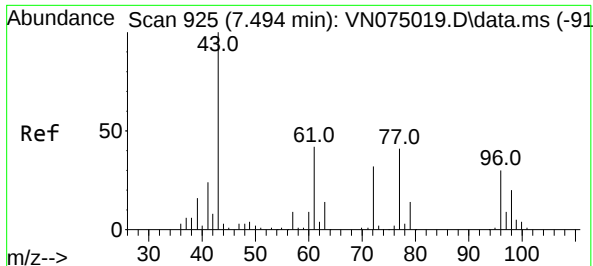
Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
74 18.4 22.0 33.0#



#20
Methylene Chloride
Concen: 6.668 ug/l
RT: 5.271 min Scan# 547
Delta R.T. -0.012 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 84 Resp: 8620
Ion Ratio Lower Upper
84 100
49 97.7 94.9 142.3
51 37.8 26.8 40.2
86 57.2 53.7 80.5





#25

2-Butanone

Concen: 0.851 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

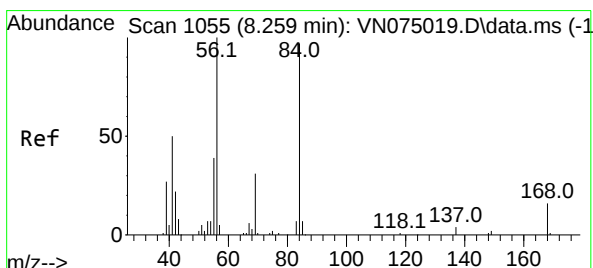
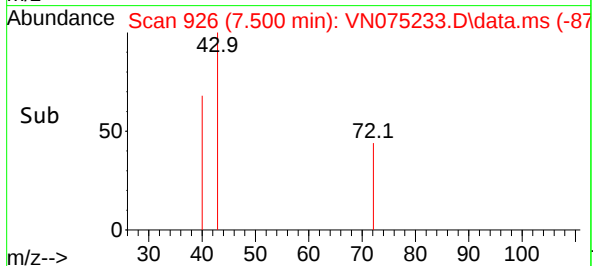
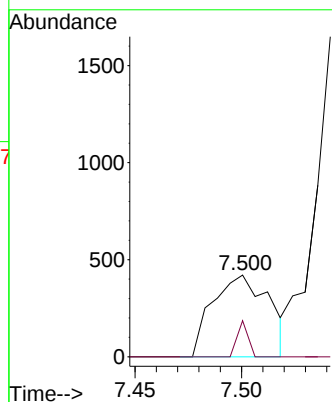
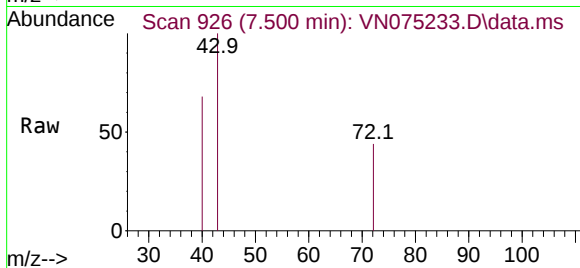
360

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

72 44.2 25.5 38.3#



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.023 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

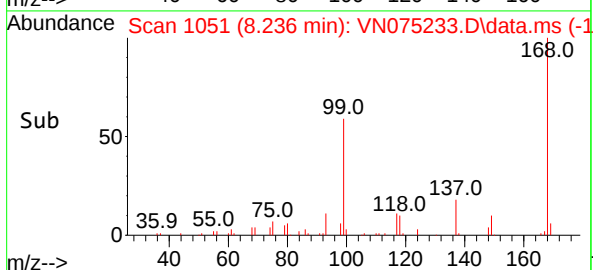
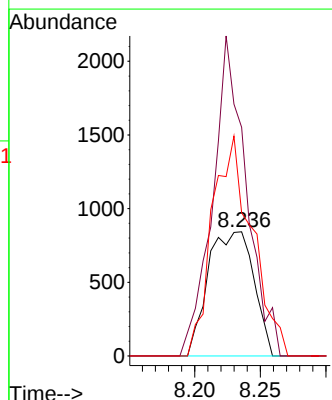
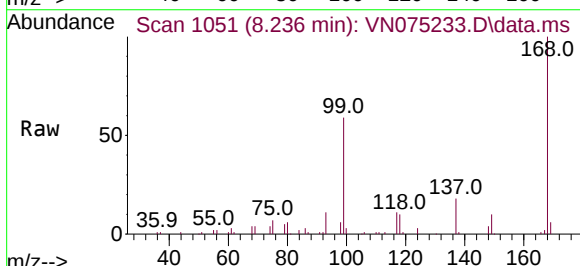
Tgt Ion: 56 Resp: 2046

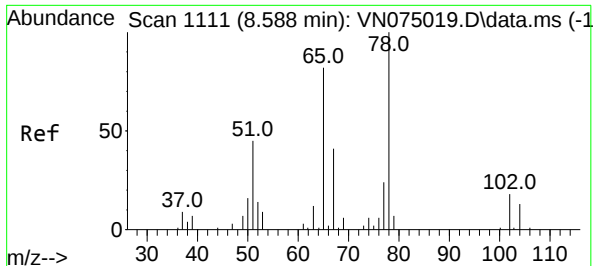
Ion Ratio Lower Upper

56 100

69 184.1 25.2 37.8#

84 115.3 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 55.335 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

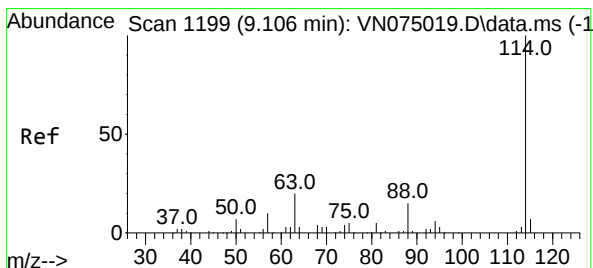
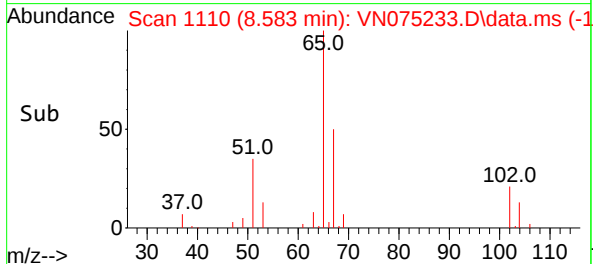
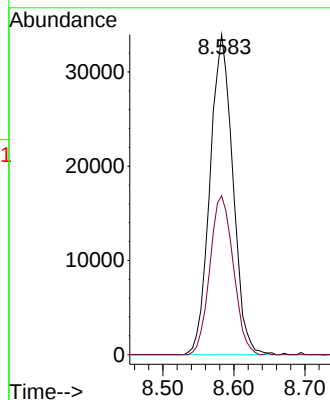
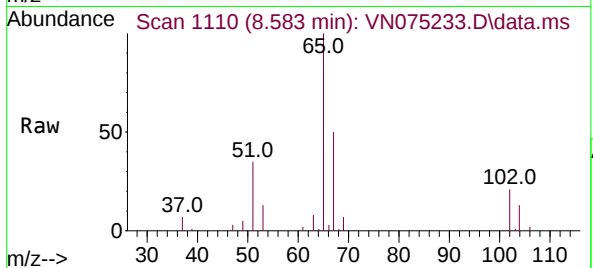
360

Tgt Ion: 65 Resp: 75769

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

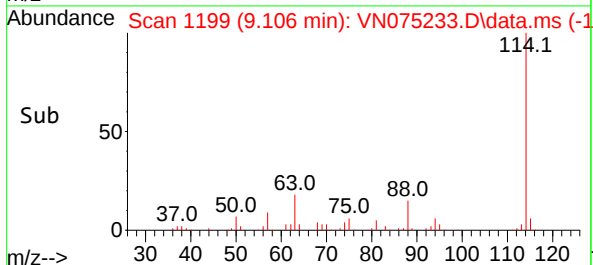
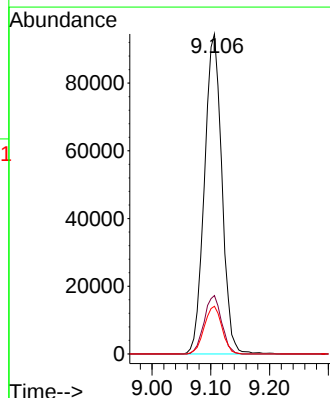
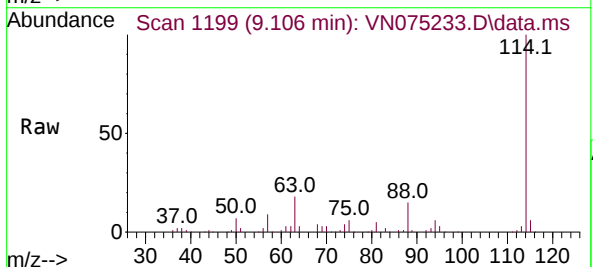
Tgt Ion: 114 Resp: 194542

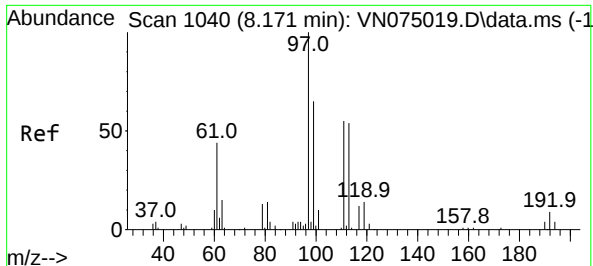
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 54.425 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

360

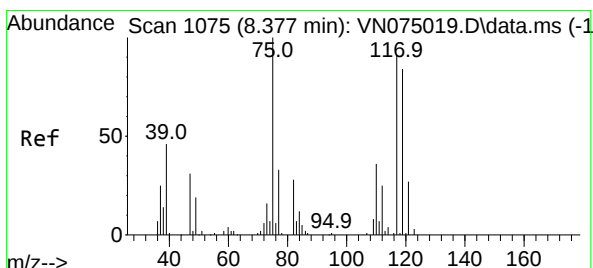
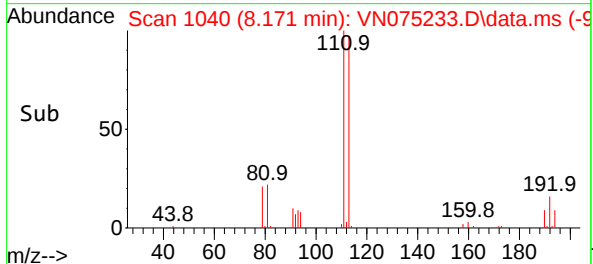
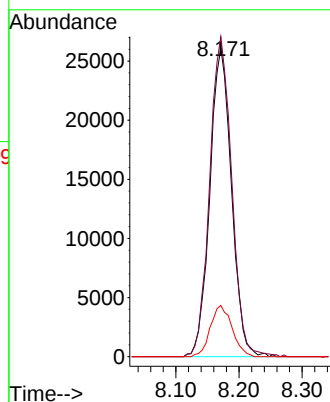
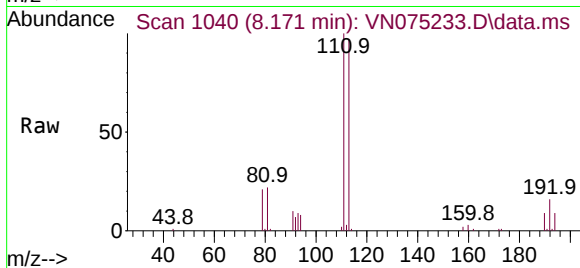
Tgt Ion:113 Resp: 62157

Ion Ratio Lower Upper

113 100

111 105.6 80.5 120.7

192 16.7 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075233.D

Acq: 10 Nov 2022 14:34

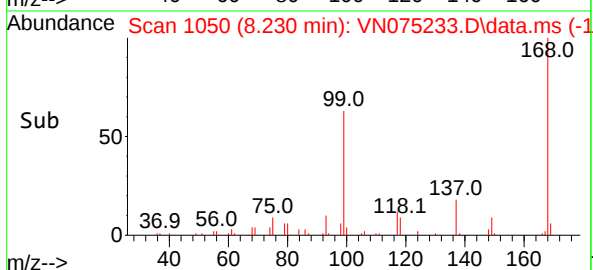
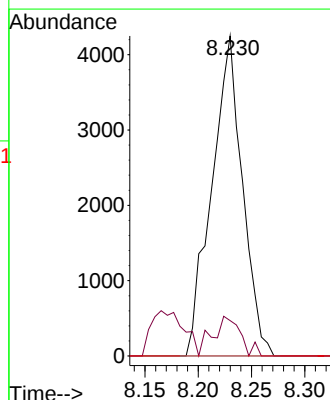
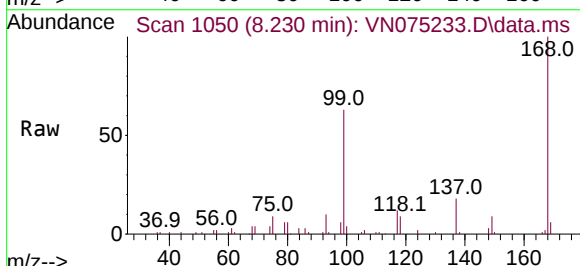
Tgt Ion: 75 Resp: 8530

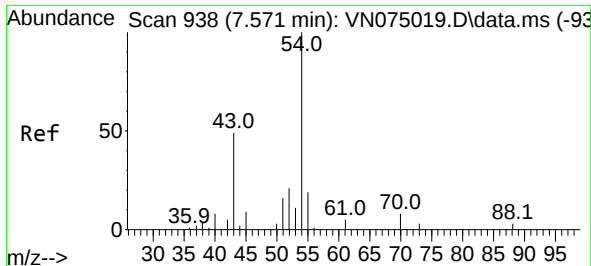
Ion Ratio Lower Upper

75 100

110 11.1 17.8 53.3#

77 0.0 24.6 37.0#

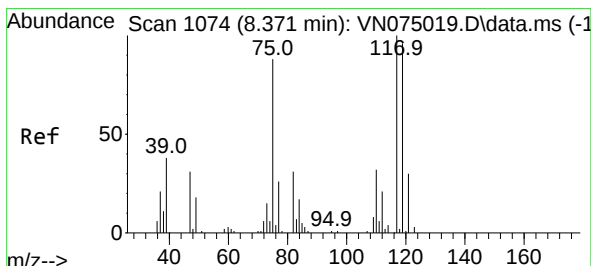
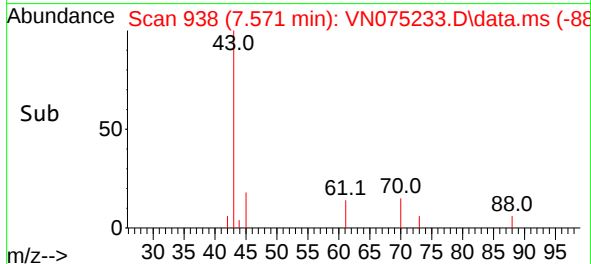
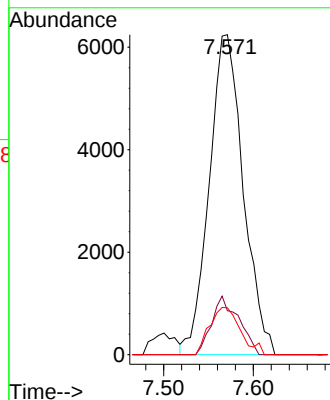
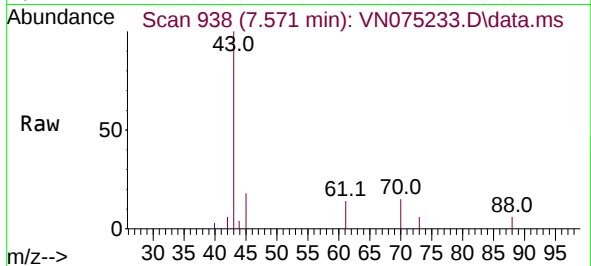




#37
Ethyl Acetate
Concen: 8.485 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

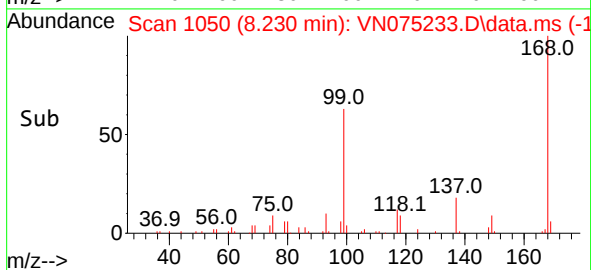
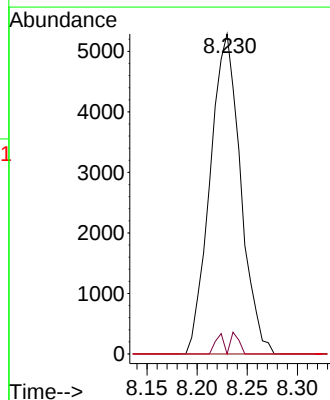
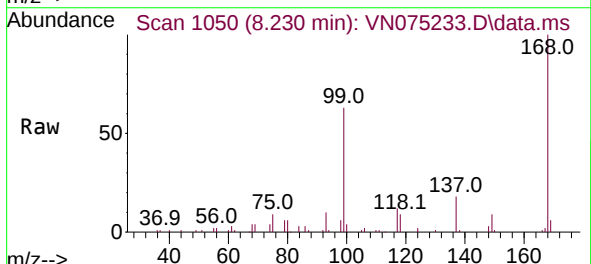
Instrument :
MSVOA_N
ClientSampleId :
360

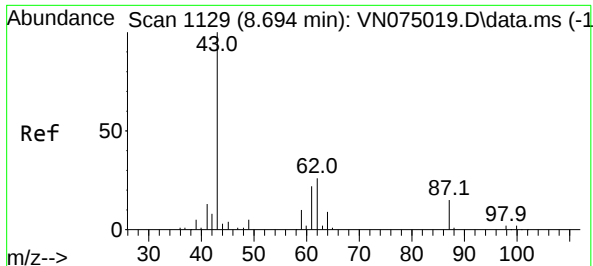
Tgt Ion:	43	Resp:	16452
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.4
70	13.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion:	117	Resp:	11208
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#
121	0.0	23.9	35.9#

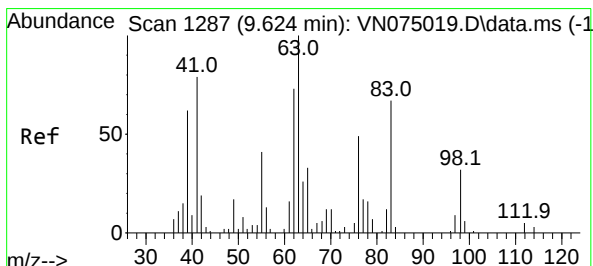
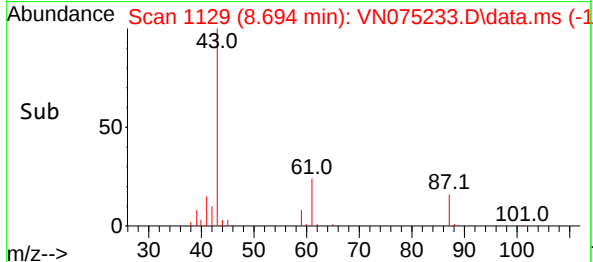
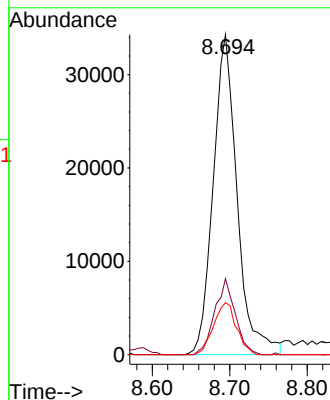
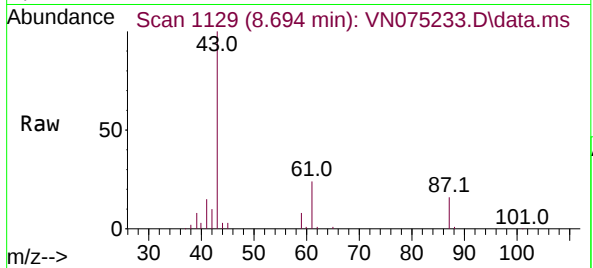




#43
Isopropyl Acetate
Concen: 24.467 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

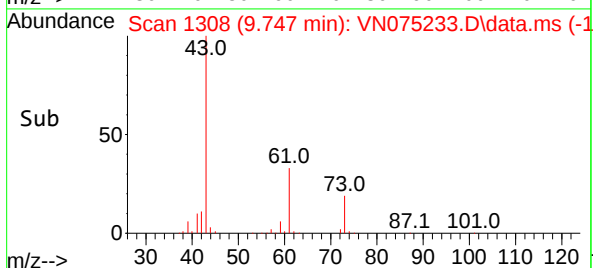
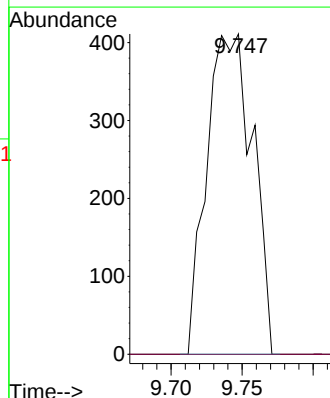
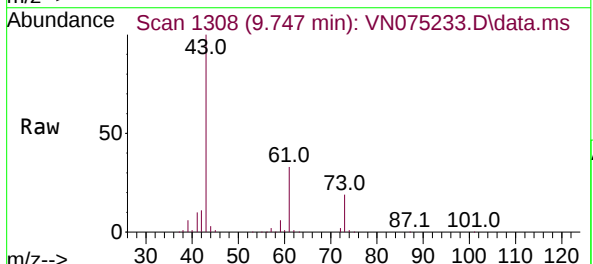
Instrument :
MSVOA_N
ClientSampleId :
360

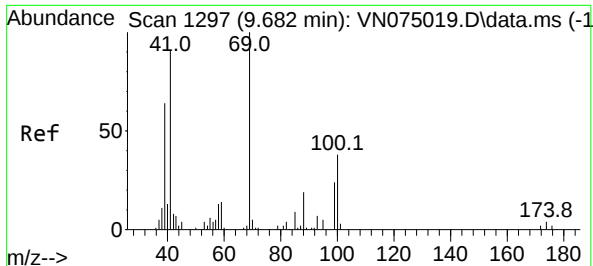
Tgt Ion: 43 Resp: 73589
Ion Ratio Lower Upper
43 100
61 20.4 22.4 33.6#
87 15.5 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.719 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 63 Resp: 926
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

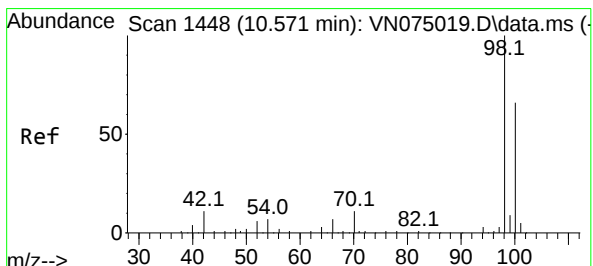
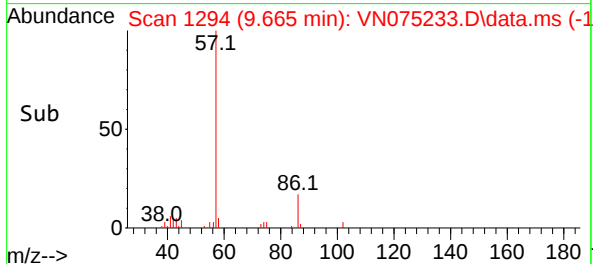
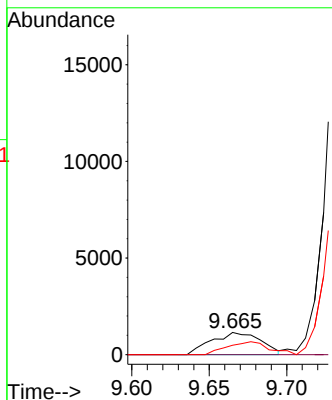
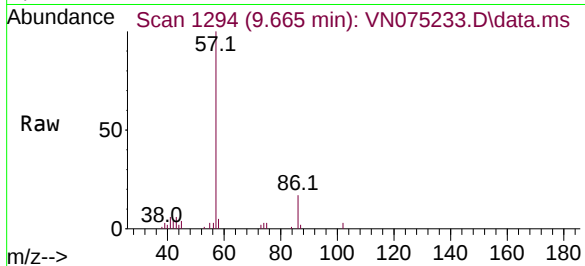




#48
Methyl methacrylate
Concen: 1.843 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.017 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

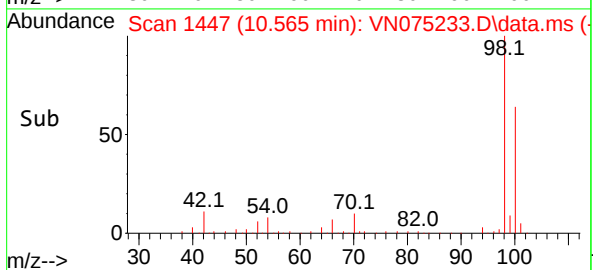
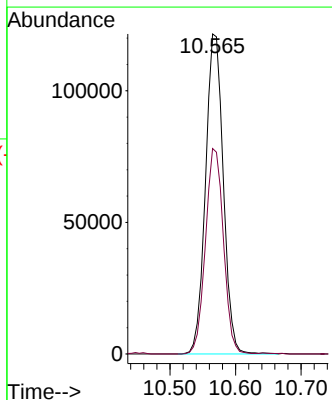
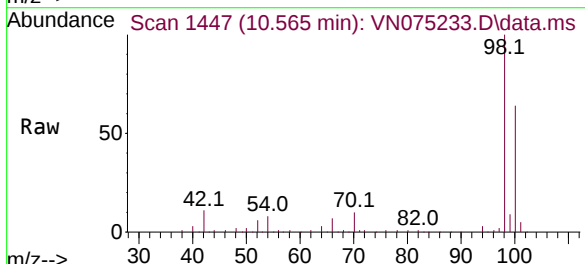
Instrument :
MSVOA_N
ClientSampleId :
360

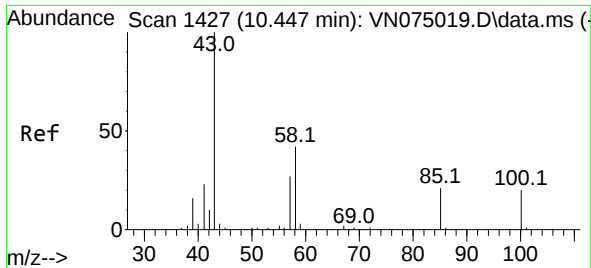
Tgt Ion: 41 Resp: 2543
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 49.4 56.2 84.2#



#50
Toluene-d8
Concen: 51.664 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 98 Resp: 228919
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.6

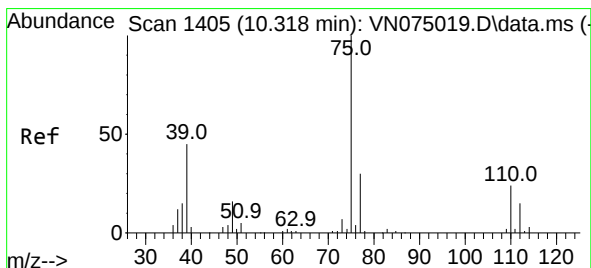
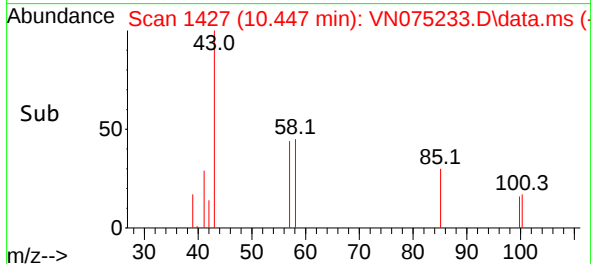
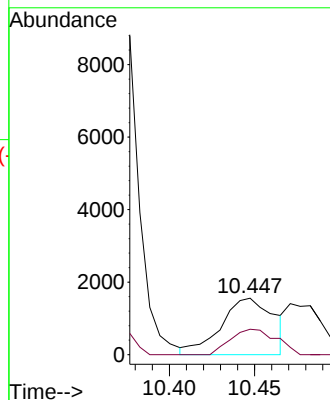
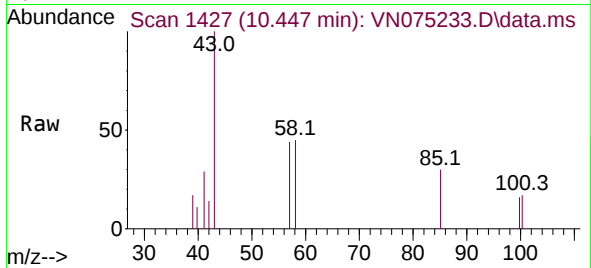




#51
4-Methyl-2-Pentanone
Concen: 1.723 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

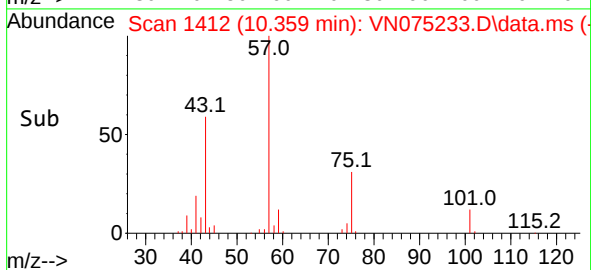
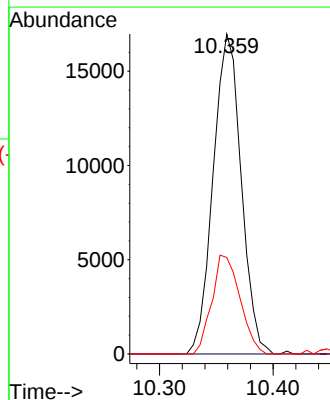
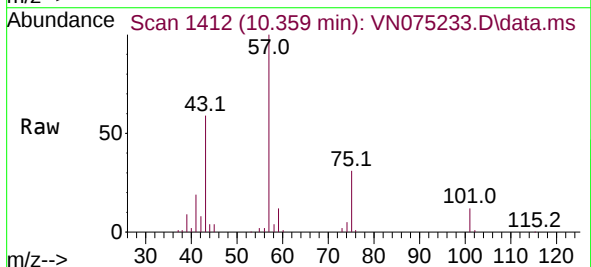
Instrument :
MSVOA_N
ClientSampleId :
360

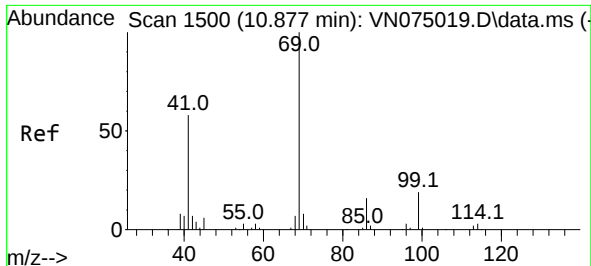
Tgt Ion: 43 Resp: 3344
Ion Ratio Lower Upper
43 100
58 39.3 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 13.352 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 75 Resp: 29056
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.1 35.8 53.6#

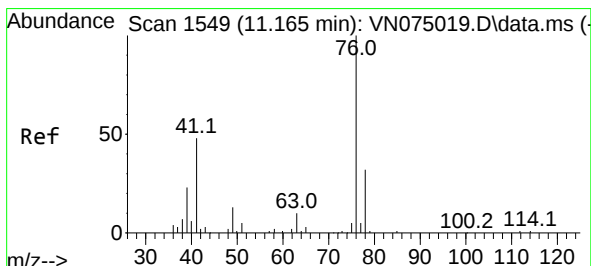
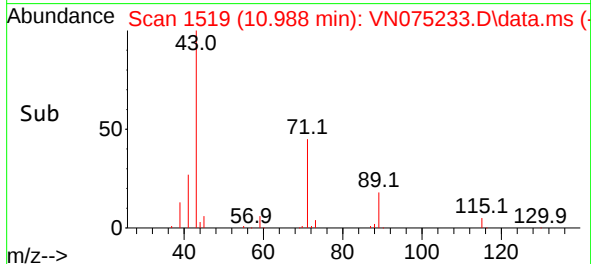
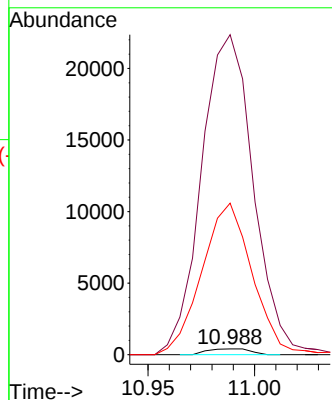
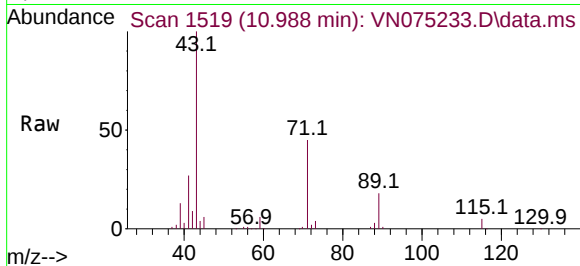




#56
Ethyl methacrylate
Concen: 0.260 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

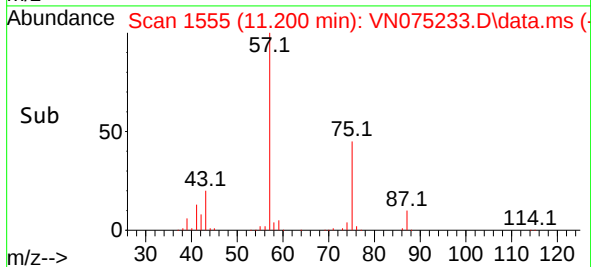
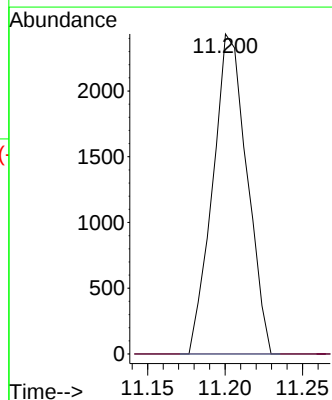
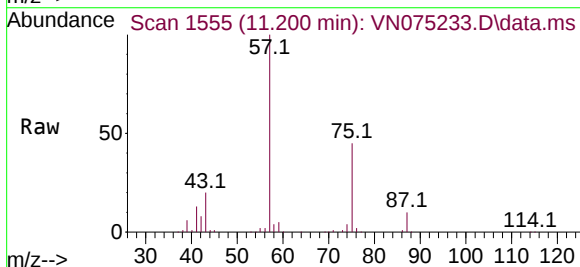
Instrument :
MSVOA_N
ClientSampleId :
360

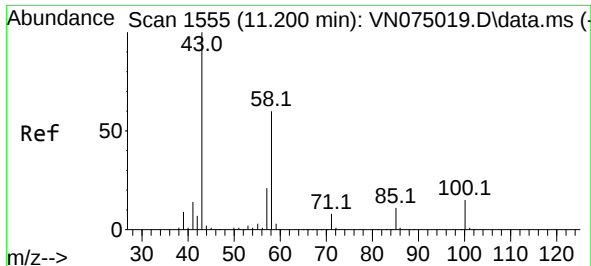
Tgt Ion: 69 Resp: 570
Ion Ratio Lower Upper
69 100
41 6679.6 45.6 68.4#
39 3072.8 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.562 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 76 Resp: 3732
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

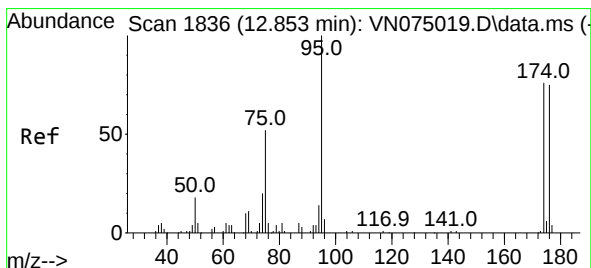
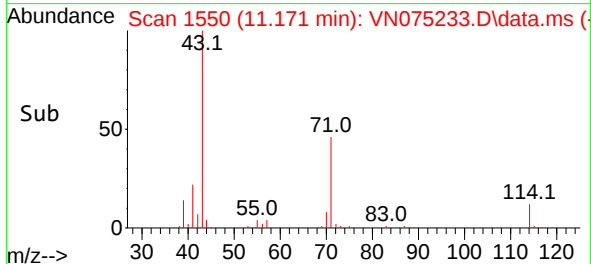
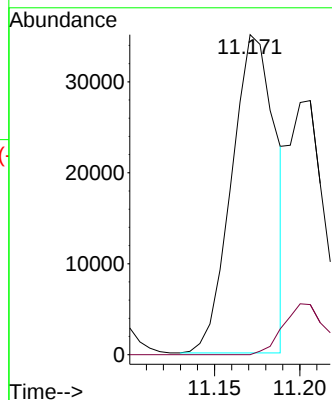
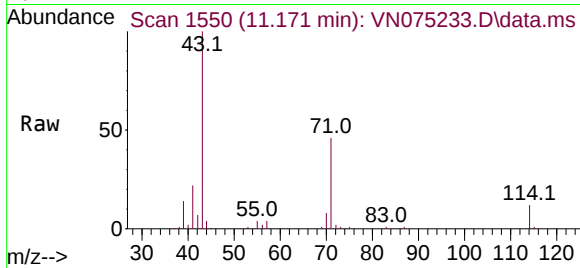




#59
2-Hexanone
Concen: 42.461 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

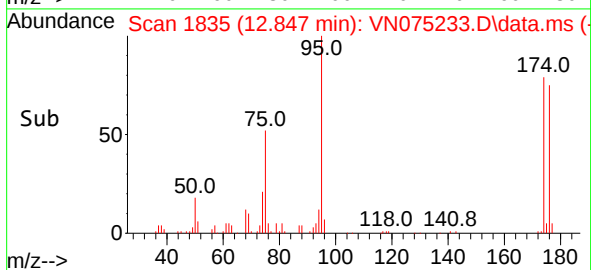
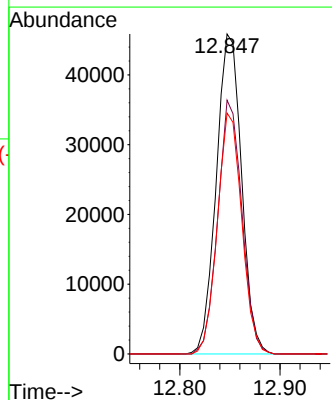
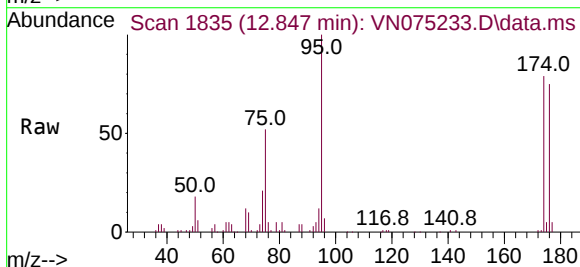
Instrument :
MSVOA_N
ClientSampleId :
360

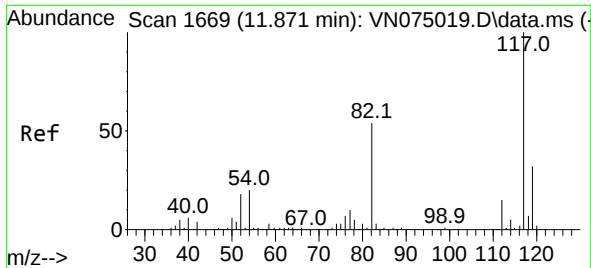
Tgt Ion: 43 Resp: 62548
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.575 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 95 Resp: 80276
Ion Ratio Lower Upper
95 100
174 75.9 0.0 147.4
176 72.7 0.0 142.2

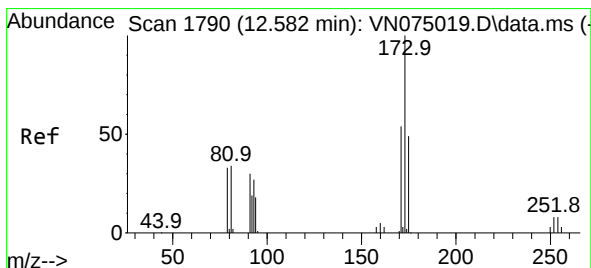
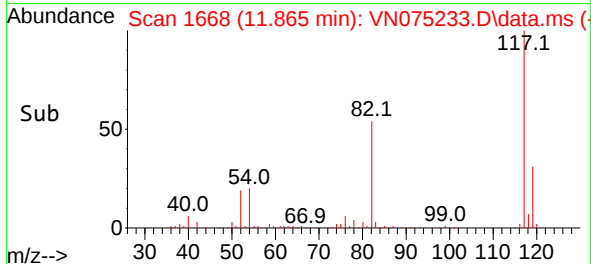
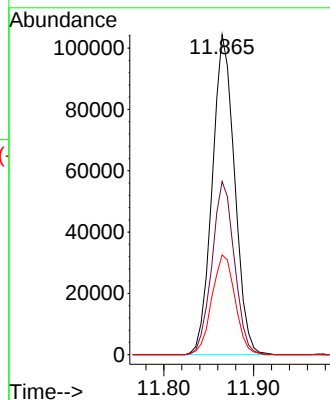
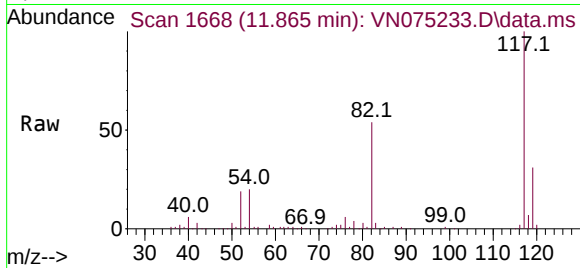




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

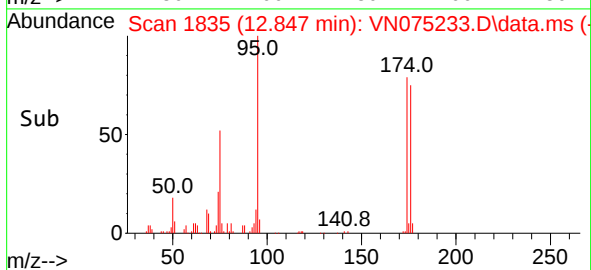
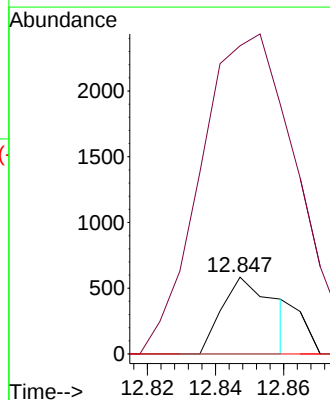
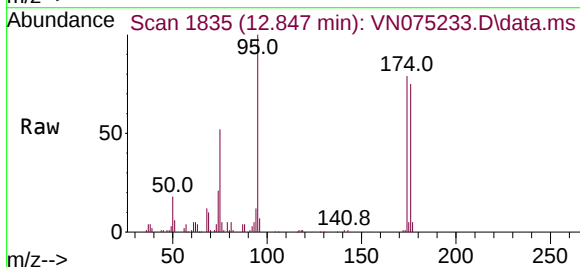
Instrument :
MSVOA_N
ClientSampleId :
360

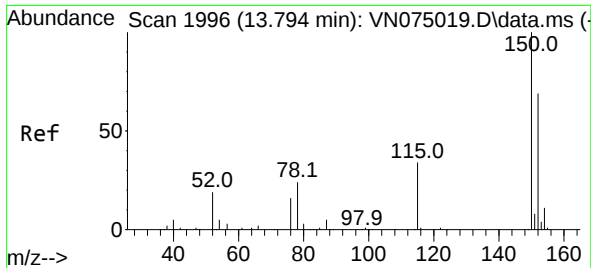
Tgt Ion:117 Resp: 180626
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 31.2 25.5 38.3



#71
Bromoform
Concen: 0.582 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion:173 Resp: 623
Ion Ratio Lower Upper
173 100
175 631.5 24.6 74.0#
254 0.0 0.0 0.0

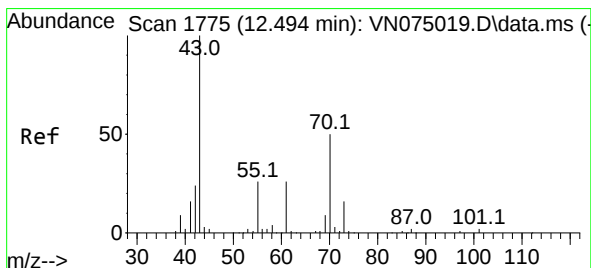
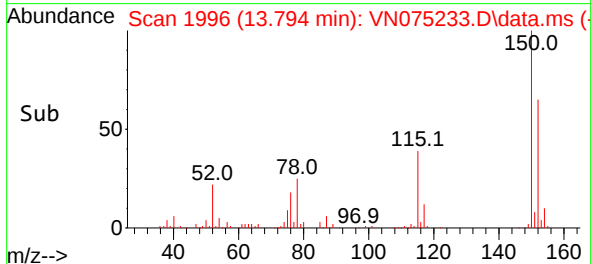
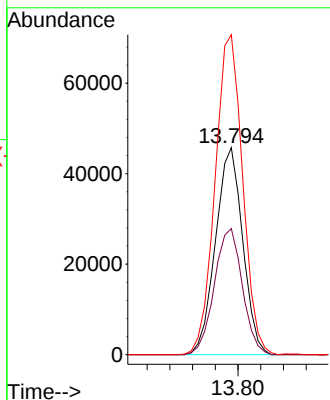
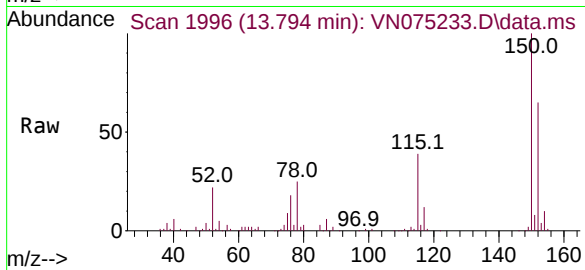




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

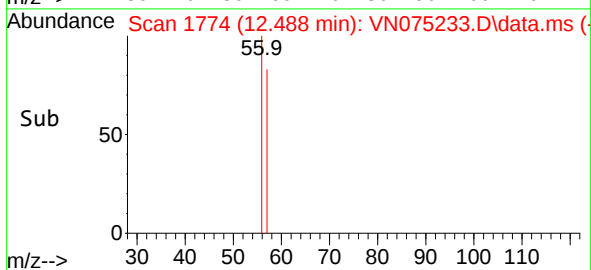
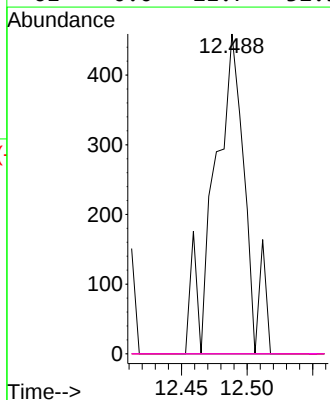
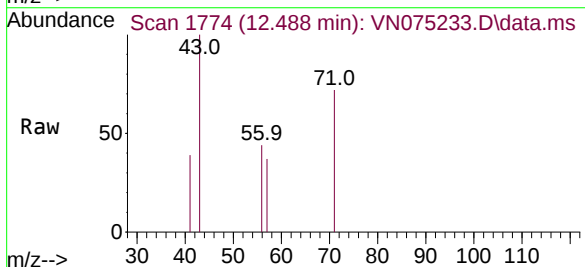
Instrument :
MSVOA_N
ClientSampleId :
360

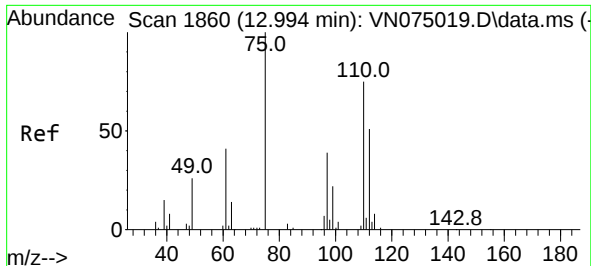
Tgt Ion:152 Resp: 76012
Ion Ratio Lower Upper
152 100
115 62.7 30.2 90.6
150 156.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.338 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

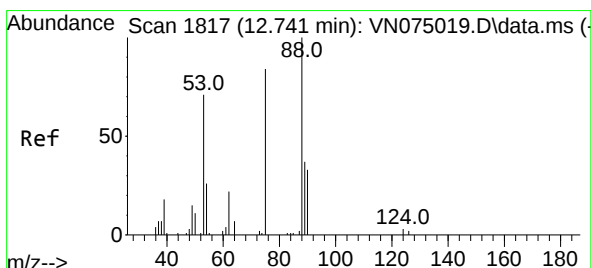
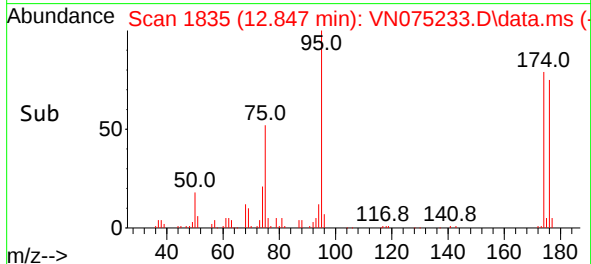
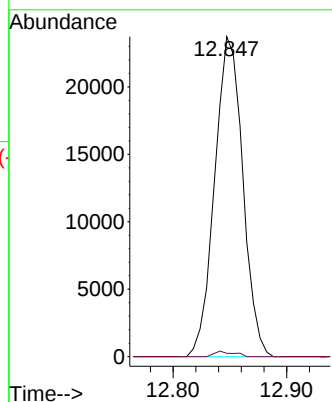
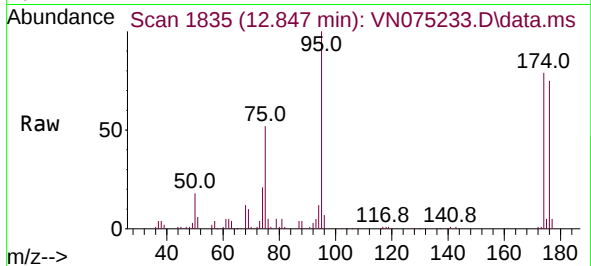




#76
1,2,3-Trichloropropane
Concen: 25.313 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

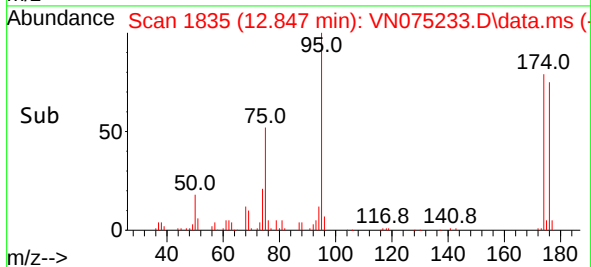
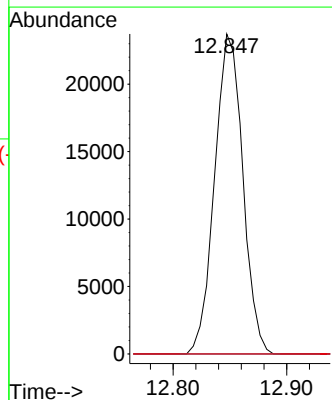
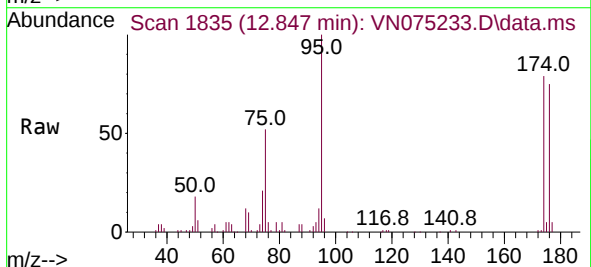
Instrument :
MSVOA_N
ClientSampleId :
360

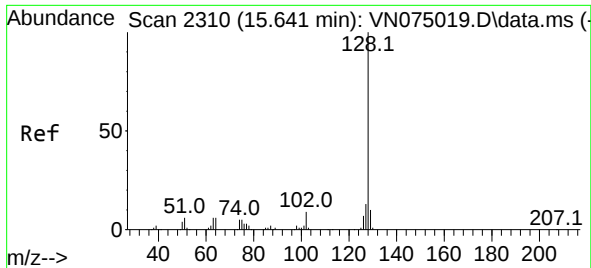
Tgt Ion: 75 Resp: 40854
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.979 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

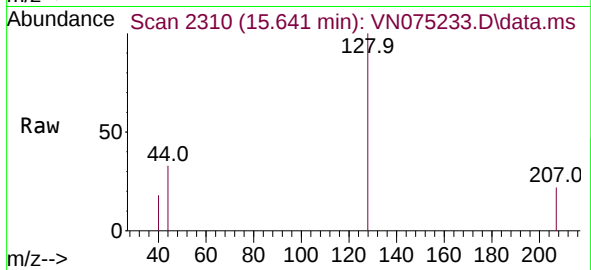
Tgt Ion: 75 Resp: 40854
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.342 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075233.D
Acq: 10 Nov 2022 14:34

Instrument :
MSVOA_N
ClientSampleId :
360



Tgt Ion:	128	Resp:	1482
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	12.8#

