

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075741.D
 Acq On : 13 Dec 2022 05:17
 Operator : JC\MD
 Sample : PB149517ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#04

Quant Time: Dec 13 06:01:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

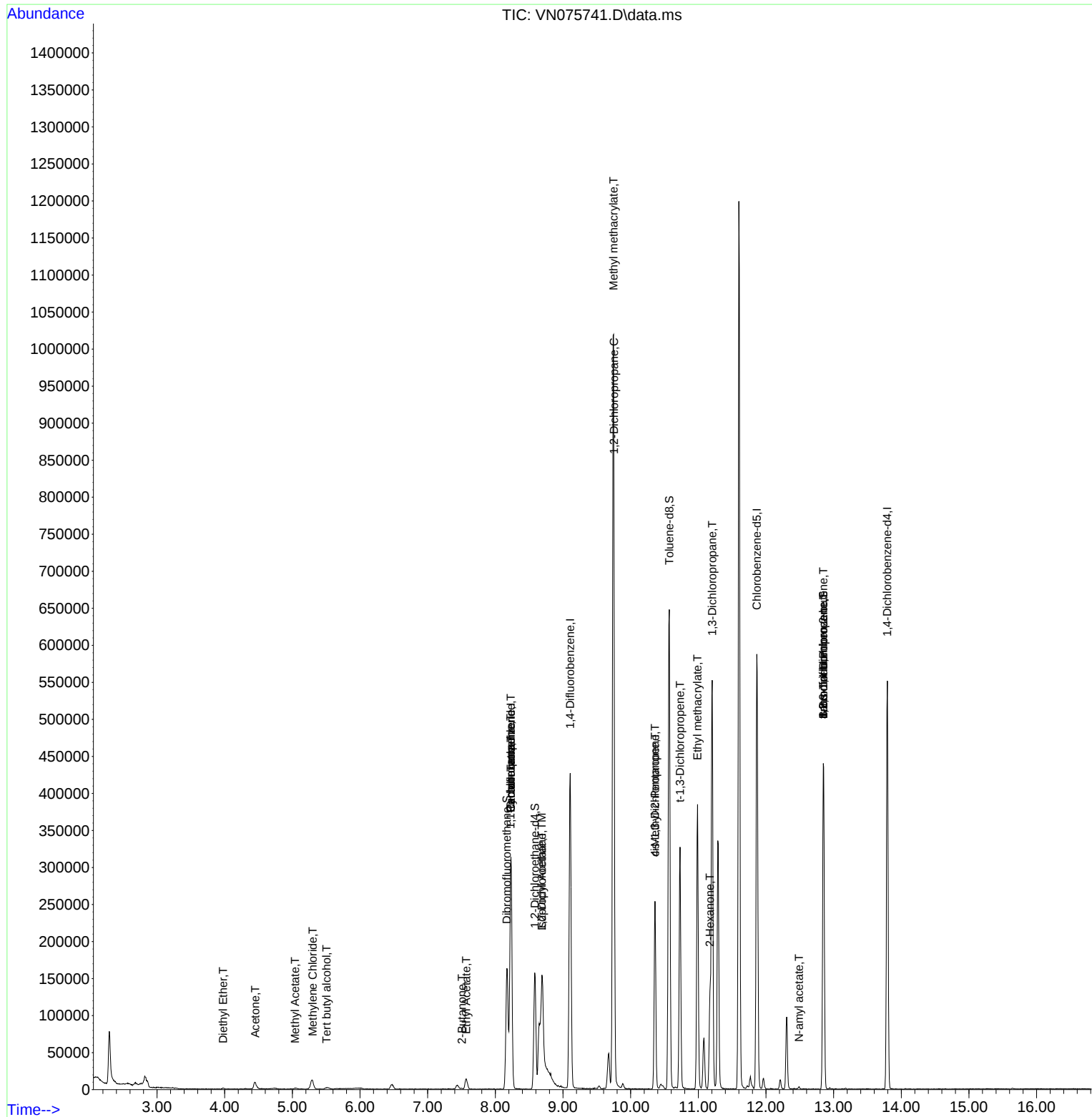
Internal Standards						
1) Pentafluorobenzene	8.230	168	249642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	128081	48.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.700%		
35) Dibromofluoromethane	8.171	113	119547	49.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.240%		
50) Toluene-d8	10.571	98	462743	51.147	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.300%		
62) 4-Bromofluorobenzene	12.847	95	151860	49.093	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.180%		
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	810	0.568	ug/l	97
11) Tert butyl alcohol	5.506	59	1025	2.616	ug/l #	72
16) Acetone	4.453	43	16916	18.858	ug/l	93
18) Methyl Acetate	5.042	43	2663	0.924	ug/l #	83
20) Methylene Chloride	5.300	84	10529	3.937	ug/l	94
25) 2-Butanone	7.506	43	1560	1.190	ug/l	94
31) Cyclohexane	8.230	56	4467	1.139	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	17616	5.507	ug/l #	47
37) Ethyl Acetate	7.571	43	21100	8.215	ug/l	98
38) Carbon Tetrachloride	8.230	117	24008	6.504	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1340	0.408	ug/l #	71
43) Isopropyl Acetate	8.688	43	274640	64.052	ug/l #	68
45) 1,2-Dichloropropane	9.753	63	1493	0.639	ug/l #	43
48) Methyl methacrylate	9.747	41	89786	45.466	ug/l #	33
51) 4-Methyl-2-Pentanone	10.359	43	86694	32.790	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1026	0.302	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	50333	13.327	ug/l #	63
56) Ethyl methacrylate	10.988	69	1126	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6063	1.470	ug/l #	41
59) 2-Hexanone	11.171	43	96723	50.354	ug/l #	20
71) Bromoform	12.847	173	768	0.374	ug/l #	1
74) N-amyl acetate	12.488	43	1531	0.471	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	76851	24.567	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76851	78.429	ug/l #	13

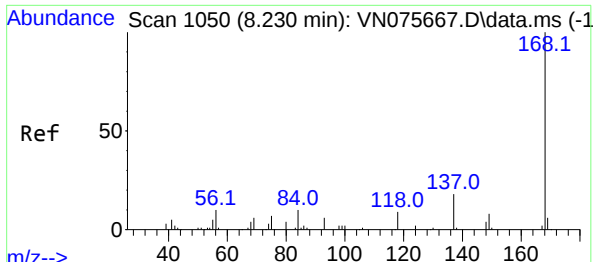
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
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Quant Time: Dec 13 06:01:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

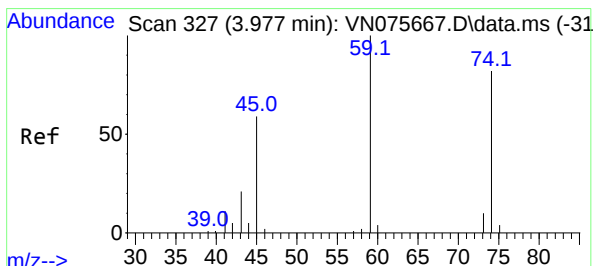
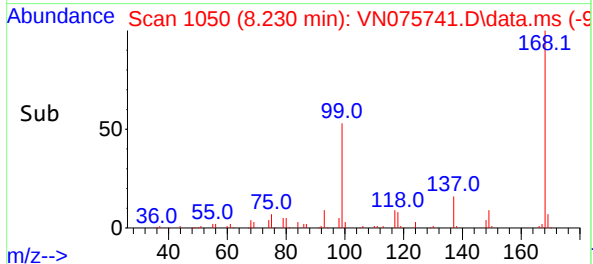
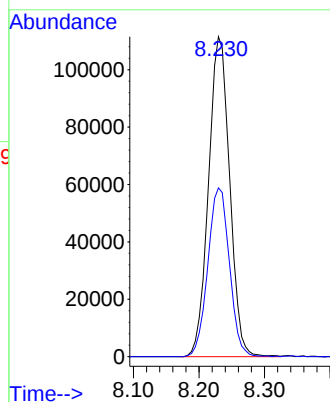
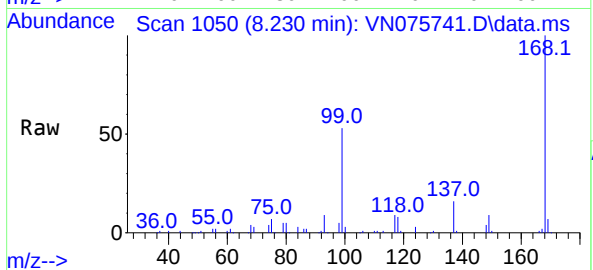
PB149517ZHE#04

Tgt Ion:168 Resp: 249642

Ion Ratio Lower Upper

168 100

99 52.7 41.2 61.8



#8

Diethyl Ether

Concen: 0.568 ug/l

RT: 3.977 min Scan# 327

Delta R.T. 0.000 min

Lab File: VN075741.D

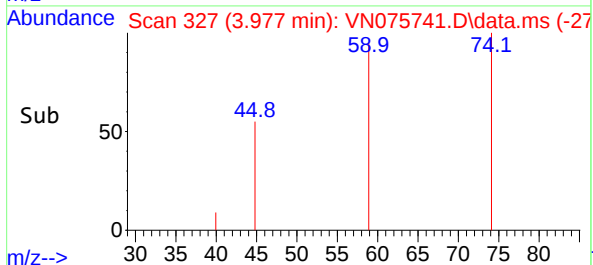
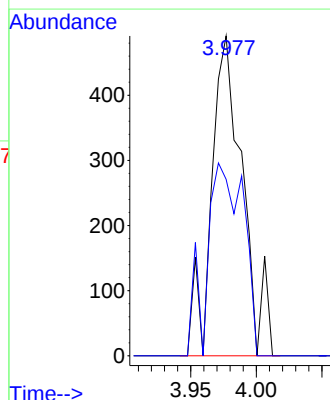
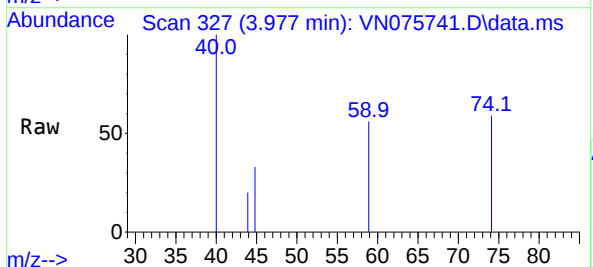
Acq: 13 Dec 2022 05:17

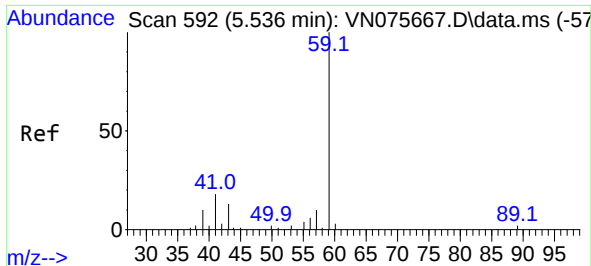
Tgt Ion: 74 Resp: 810

Ion Ratio Lower Upper

74 100

45 71.2 36.8 110.4

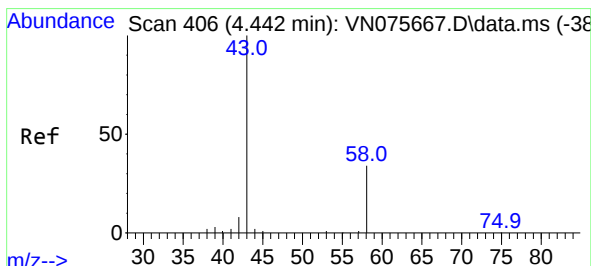
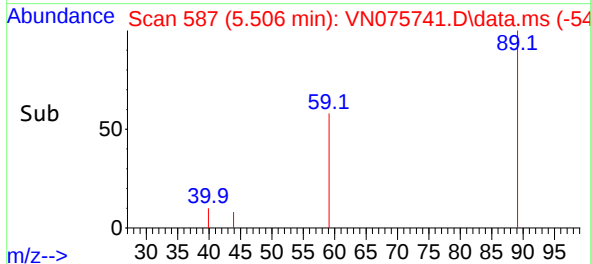
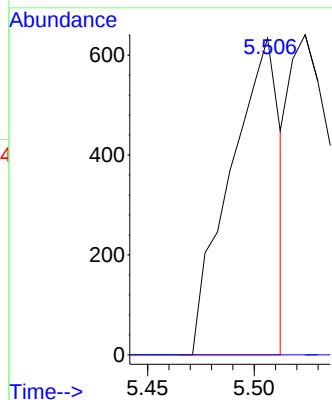
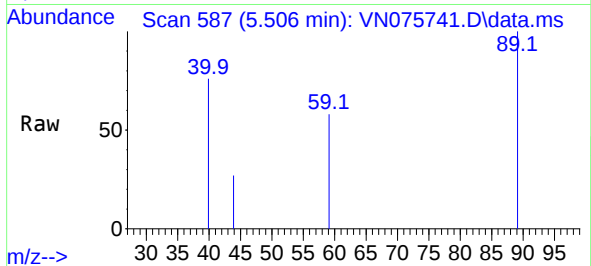




#11
Tert butyl alcohol
Concen: 2.616 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.029 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

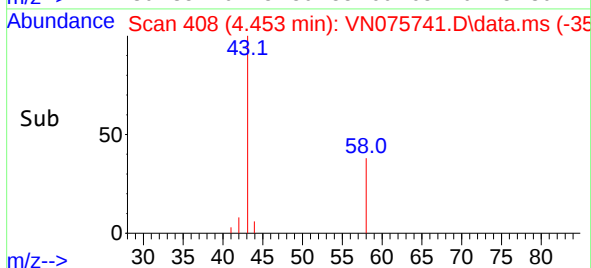
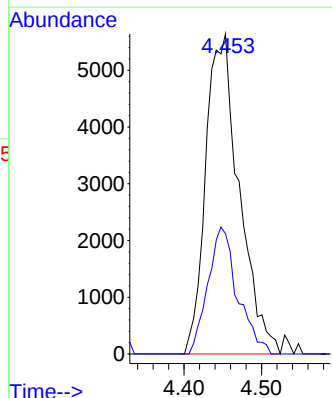
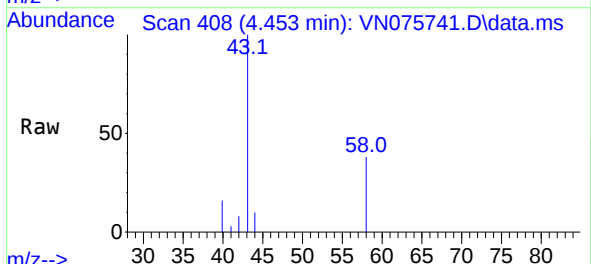
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

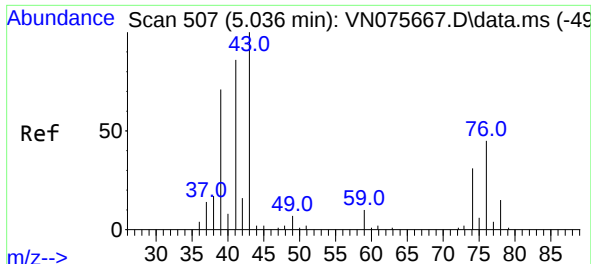
Tgt Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 18.858 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 16916
Ion Ratio Lower Upper
43 100
58 37.6 27.0 40.4

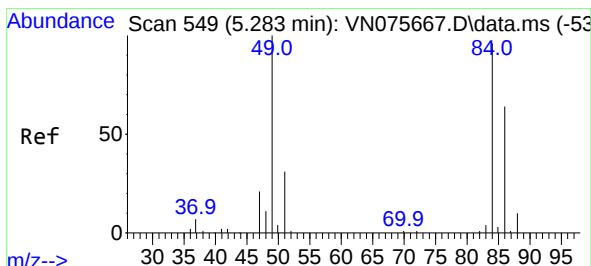
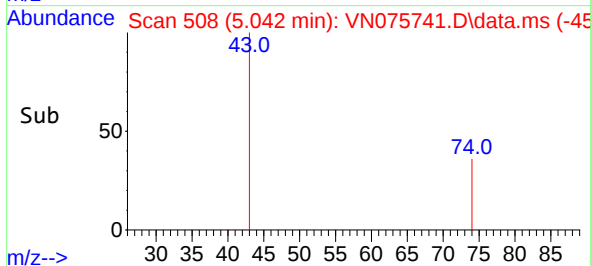
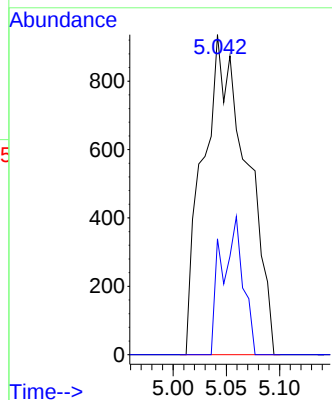
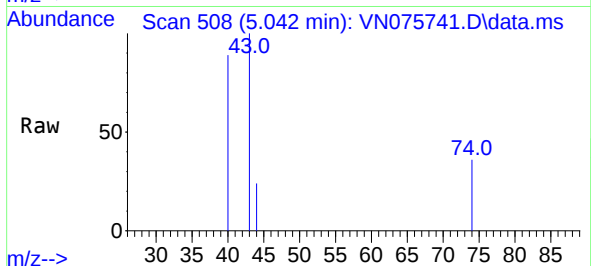




#18
Methyl Acetate
Concen: 0.924 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

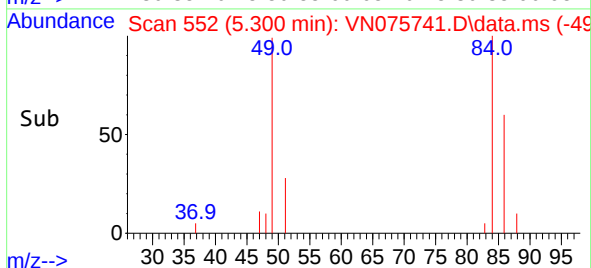
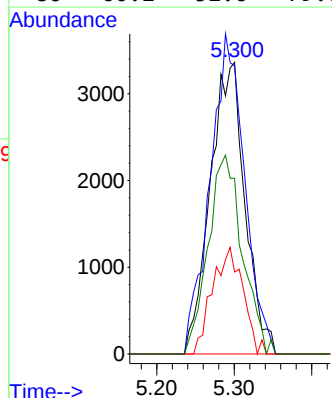
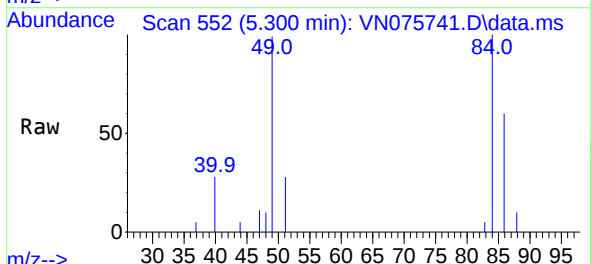
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

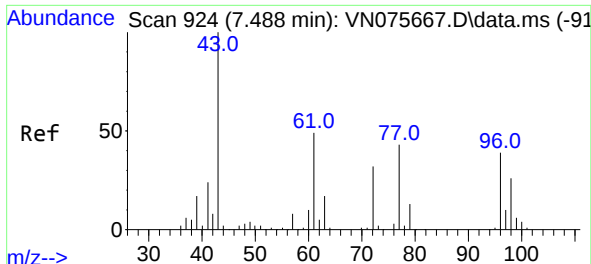
Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
74 21.2 24.5 36.7#



#20
Methylene Chloride
Concen: 3.937 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.018 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 84 Resp: 10529
Ion Ratio Lower Upper
84 100
49 98.7 83.0 124.4
51 28.1 26.0 39.0
86 60.2 52.6 79.0

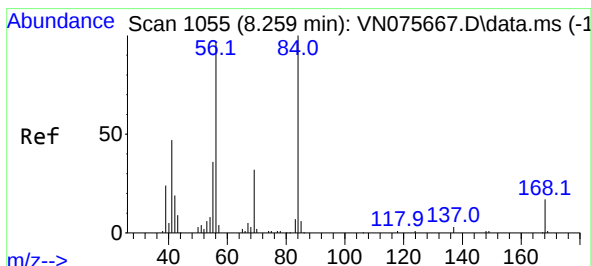
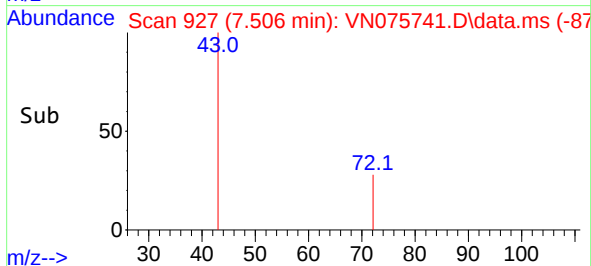
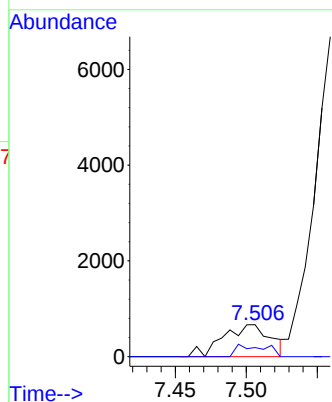
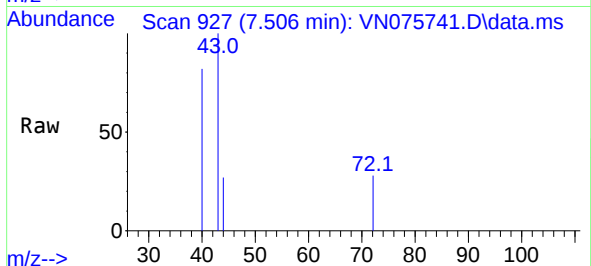




#25
2-Butanone
Concen: 1.190 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

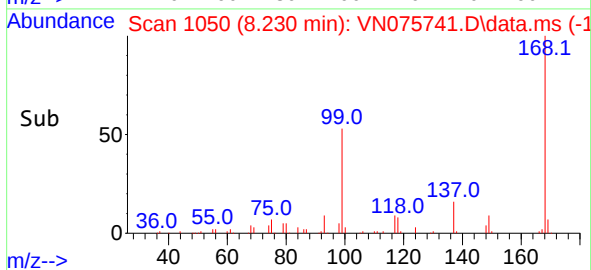
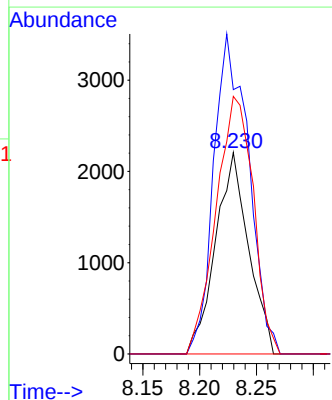
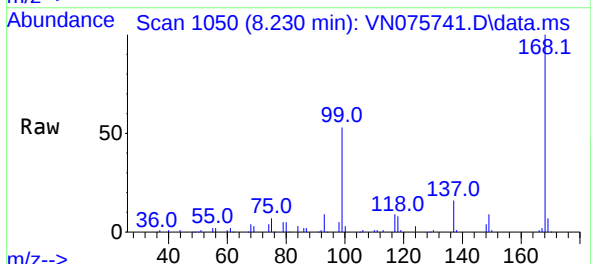
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

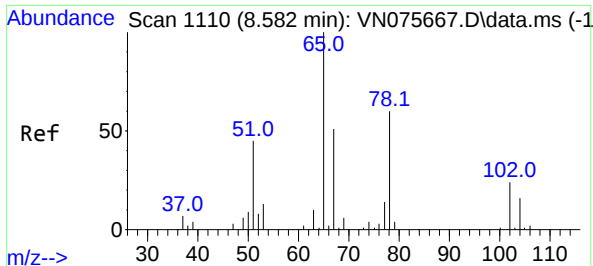
Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
72 28.3 25.3 37.9



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 56 Resp: 4467
Ion Ratio Lower Upper
56 100
69 131.2 26.2 39.2#
84 127.9 82.8 124.2#





#33

1,2-Dichloroethane-d4

Concen: 48.355 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

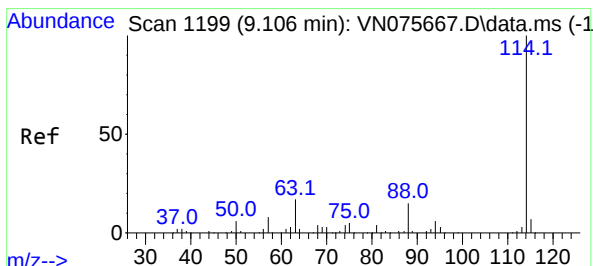
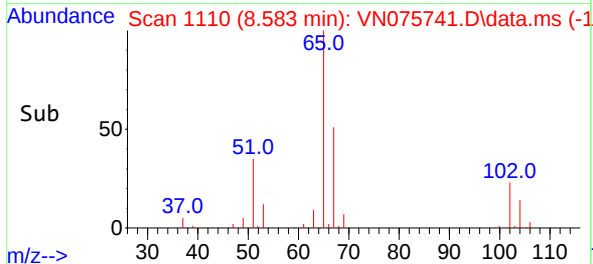
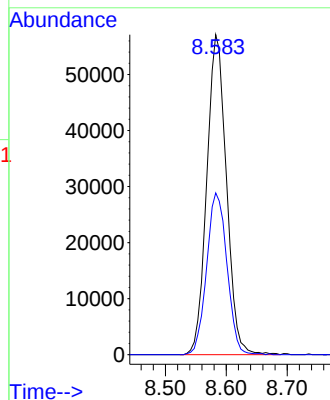
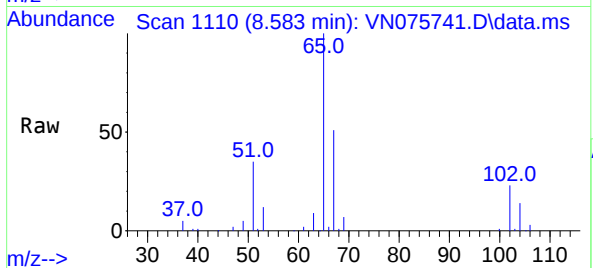
PB149517ZHE#04

Tgt Ion: 65 Resp: 128081

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

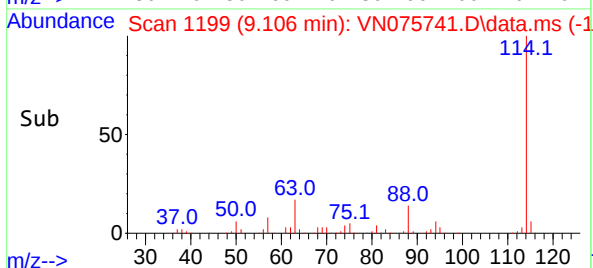
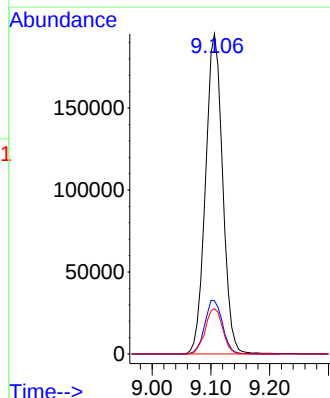
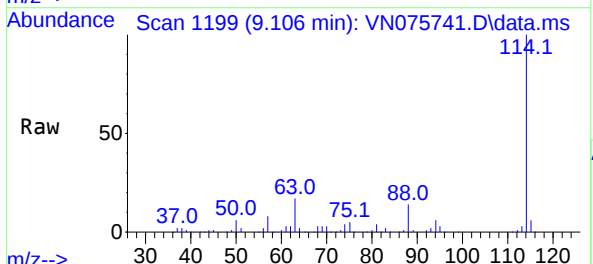
Tgt Ion: 114 Resp: 394860

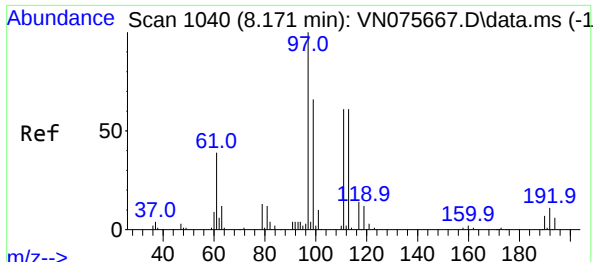
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.4

88 14.2 0.0 29.2

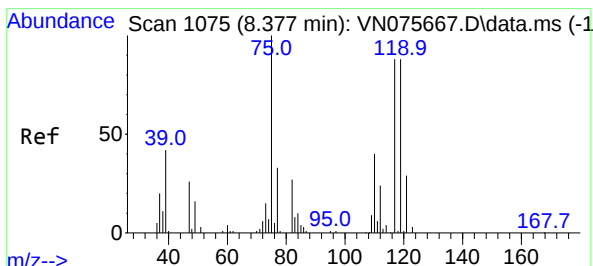
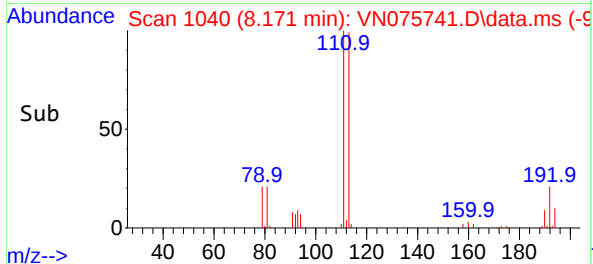
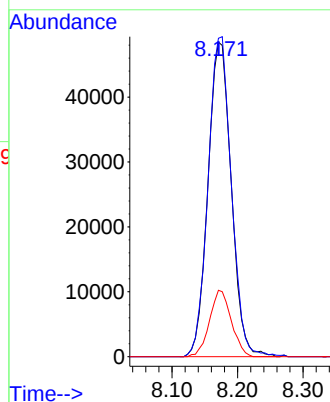
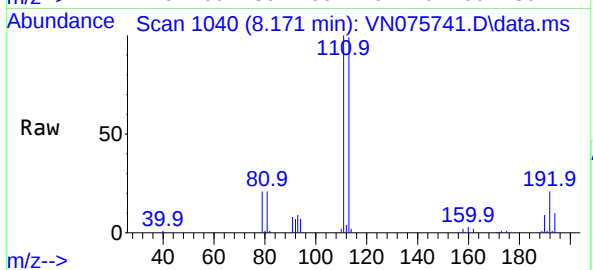




#35
Dibromofluoromethane
Concen: 49.623 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

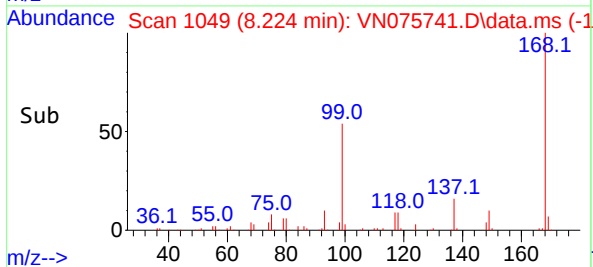
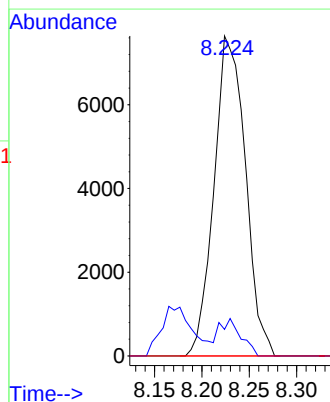
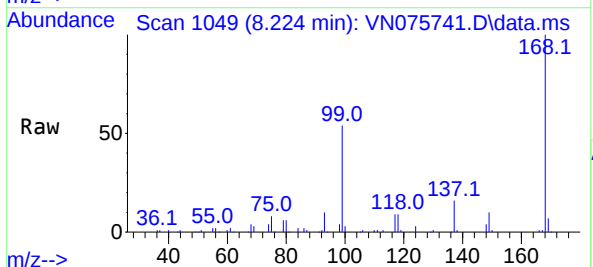
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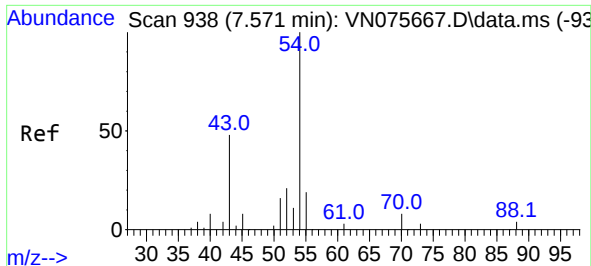
Tgt Ion:113 Resp: 119547
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.6
192 19.7 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.507 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 75 Resp: 17616
Ion Ratio Lower Upper
75 100
110 8.0 18.9 56.9#
77 0.0 25.4 38.2#

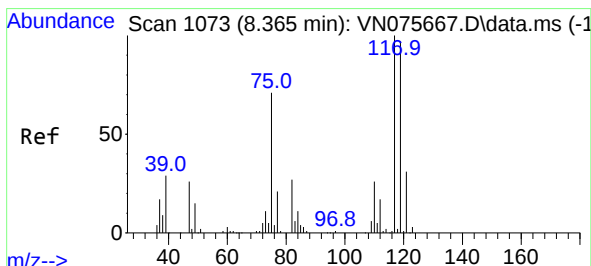
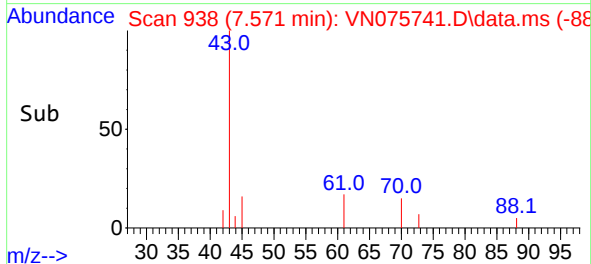
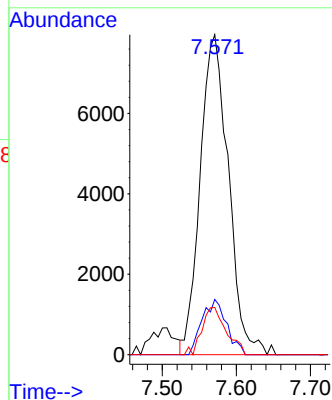
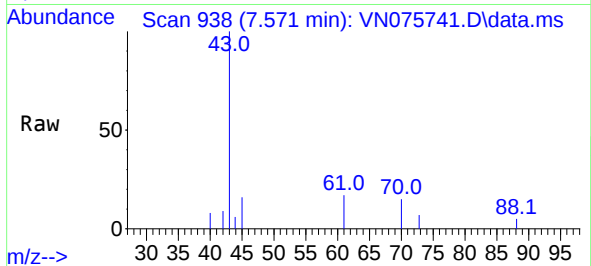




#37
Ethyl Acetate
Concen: 8.215 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

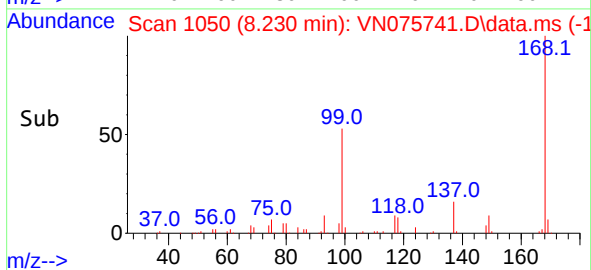
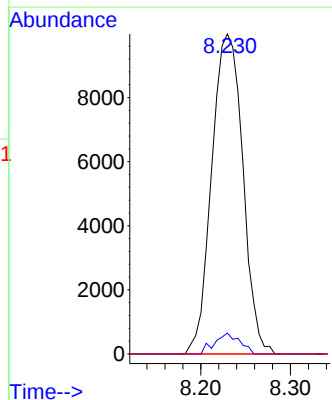
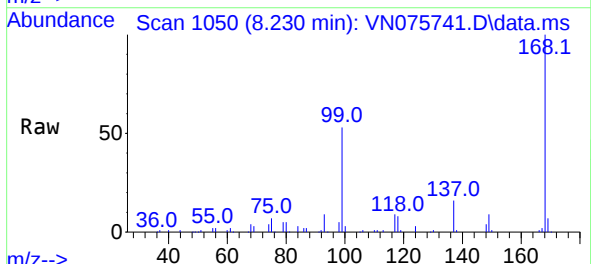
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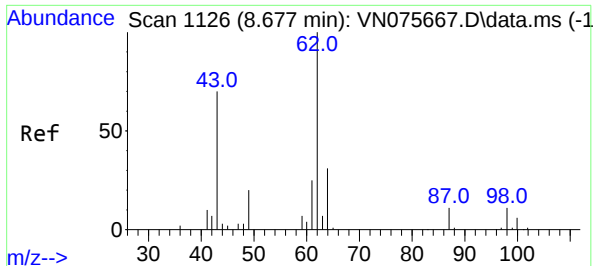
Tgt Ion:	43	Resp:	21100
Ion	Ratio	Lower	Upper
43	100		
61	15.0	13.3	19.9
70	12.7	9.9	14.9



#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion:	117	Resp:	24008
Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.2	115.8#
121	0.0	24.6	37.0#

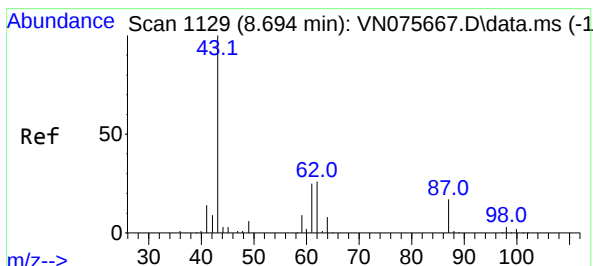
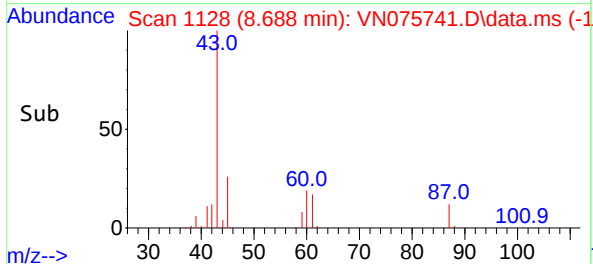
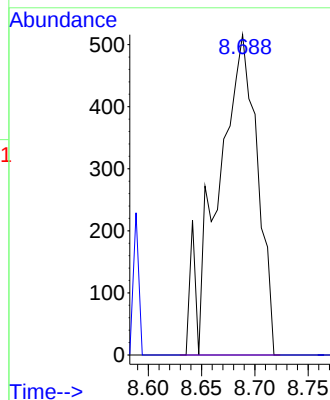
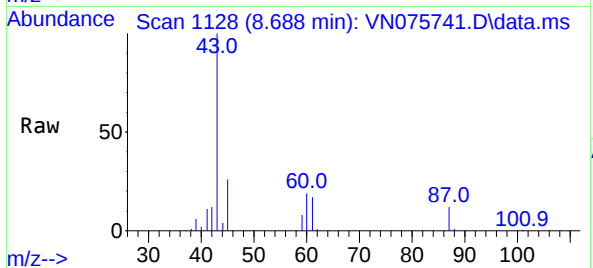




#42
1,2-Dichloroethane
Concen: 0.408 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

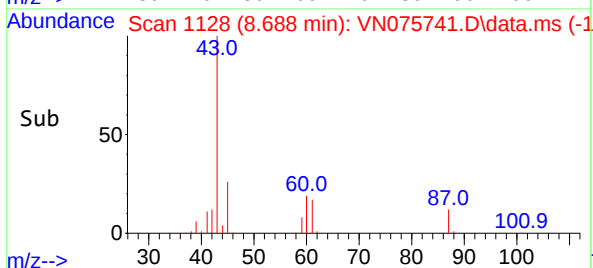
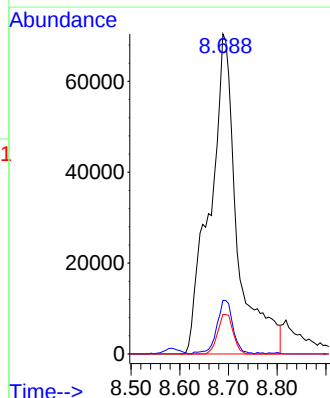
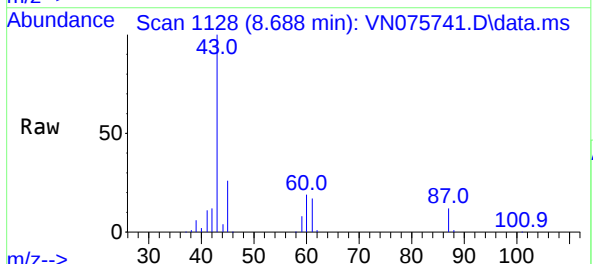
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

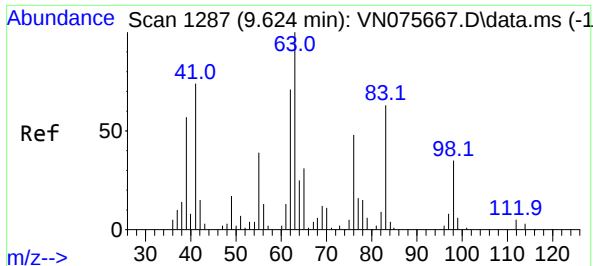
Tgt Ion: 62 Resp: 1340
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#43
Isopropyl Acetate
Concen: 64.052 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 274640
Ion Ratio Lower Upper
43 100
61 9.9 23.8 35.8#
87 6.9 13.7 20.5#





#45

1,2-Dichloropropane

Concen: 0.639 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

Instrument :

MSVOA_N

ClientSampleId :

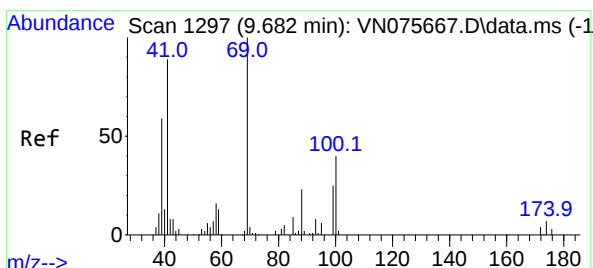
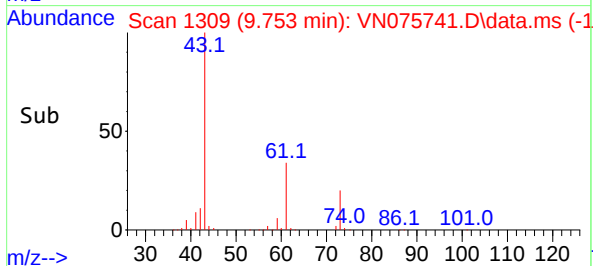
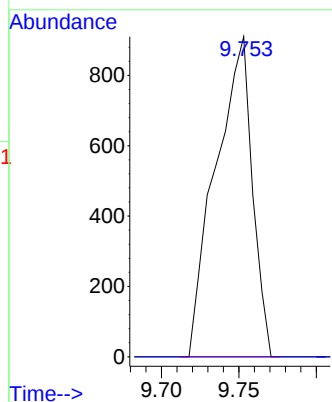
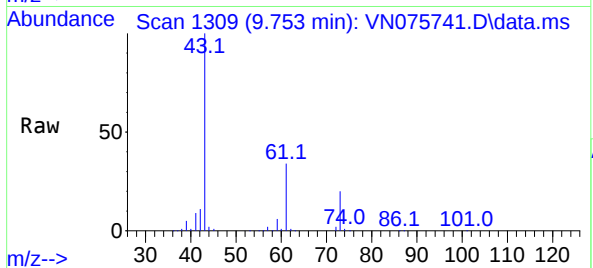
PB149517ZHE#04

Tgt Ion: 63 Resp: 1493

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 45.466 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN075741.D

Acq: 13 Dec 2022 05:17

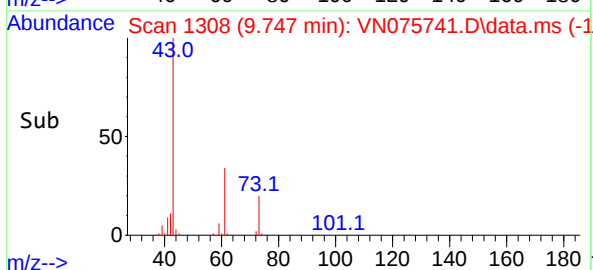
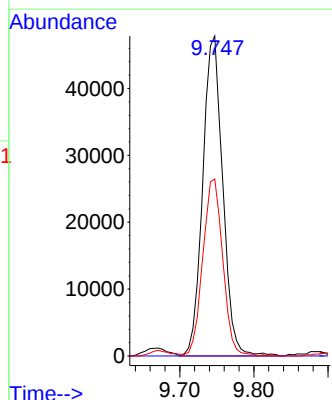
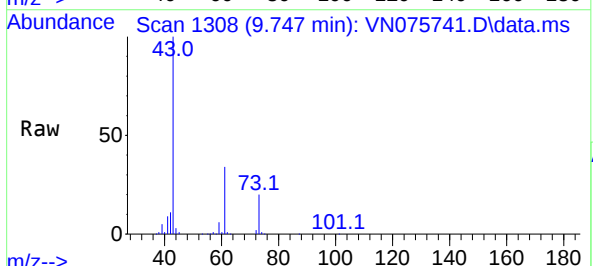
Tgt Ion: 41 Resp: 89786

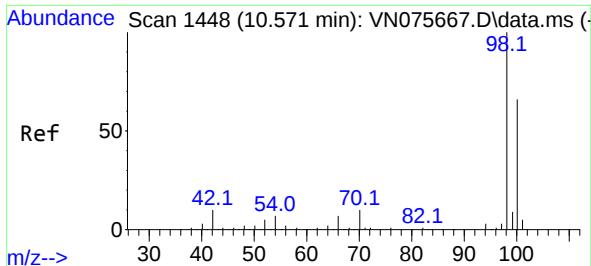
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 55.0 53.2 79.8

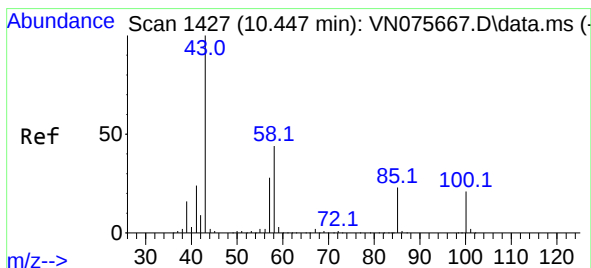
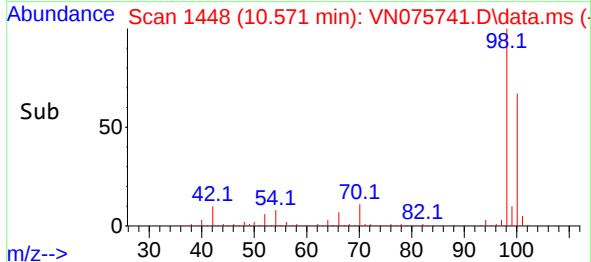
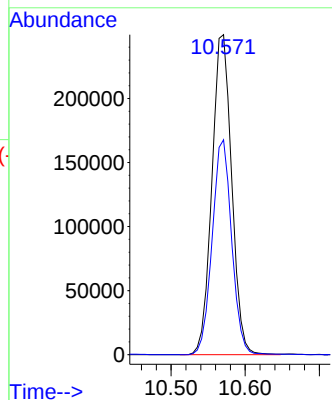
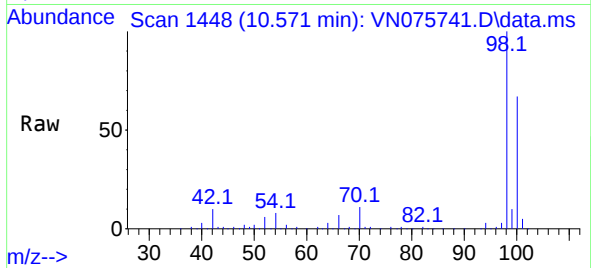




#50
Toluene-d8
Concen: 51.147 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

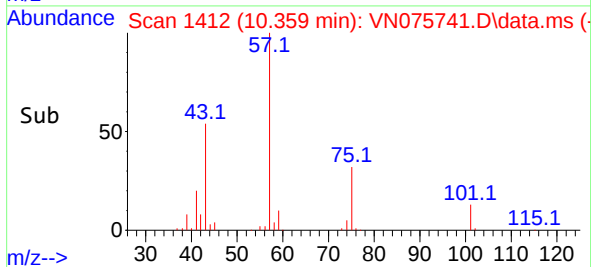
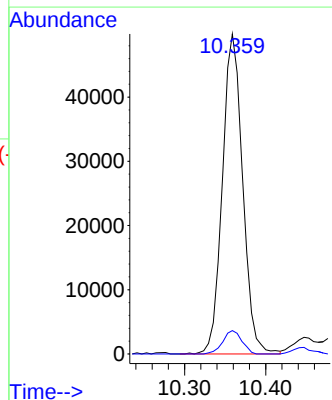
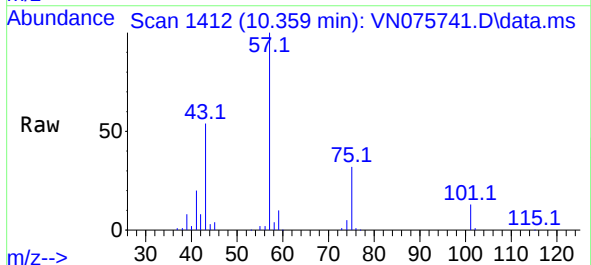
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

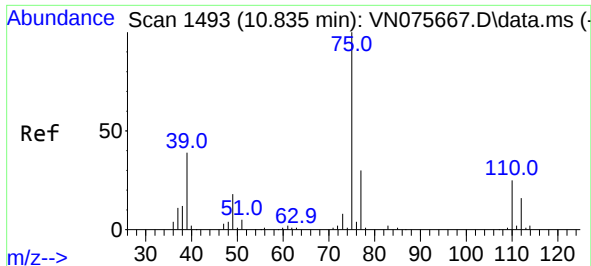
Tgt Ion: 98 Resp: 462743
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 32.790 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 86694
Ion Ratio Lower Upper
43 100
58 6.9 35.0 52.6#

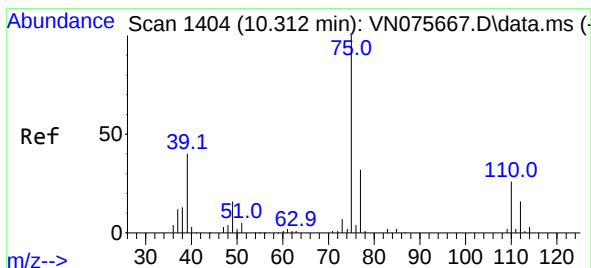
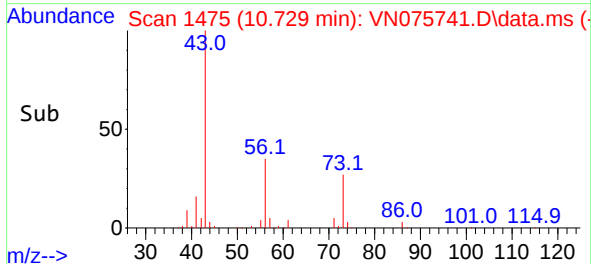
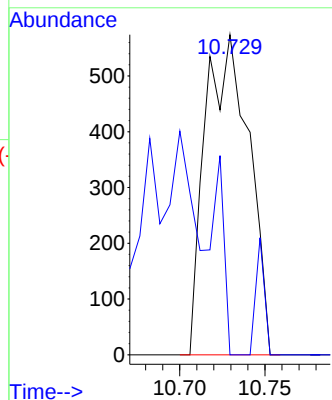
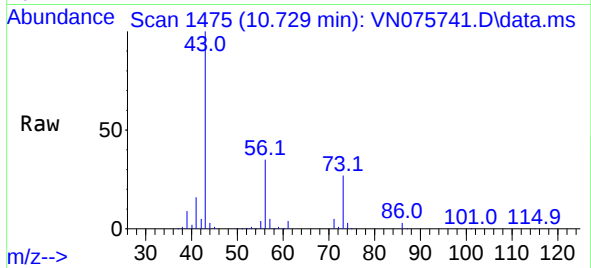




#53
 t-1,3-Dichloropropene
 Concen: 0.302 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075741.D
 Acq: 13 Dec 2022 05:17

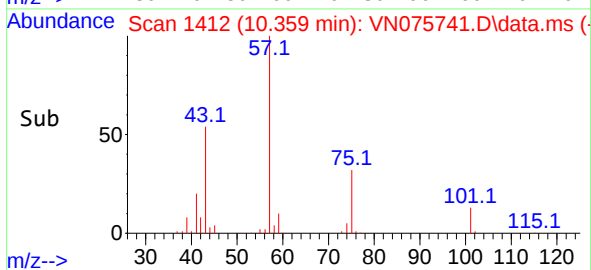
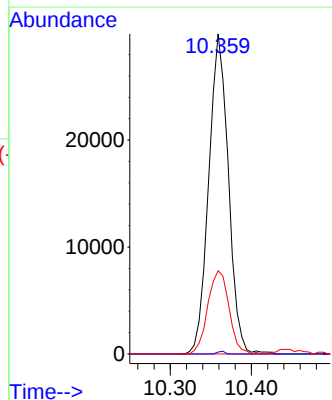
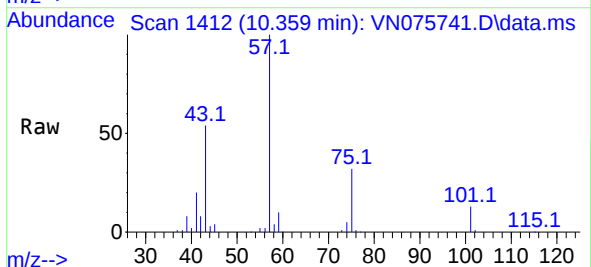
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#04

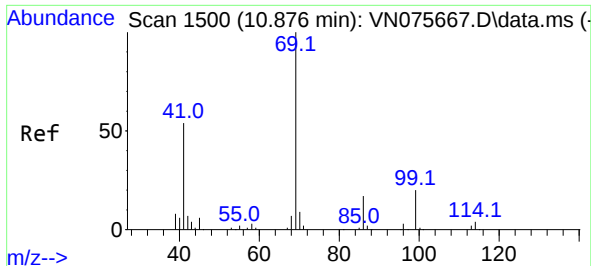
Tgt Ion: 75 Resp: 1026
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.327 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075741.D
 Acq: 13 Dec 2022 05:17

Tgt Ion: 75 Resp: 50333
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 26.0 32.0 48.0#

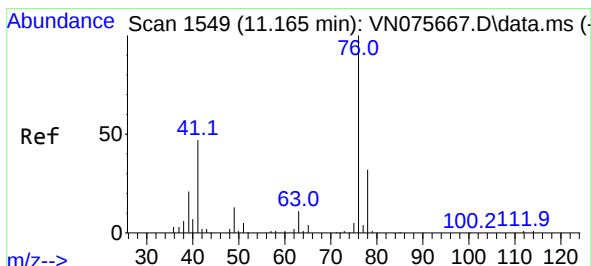
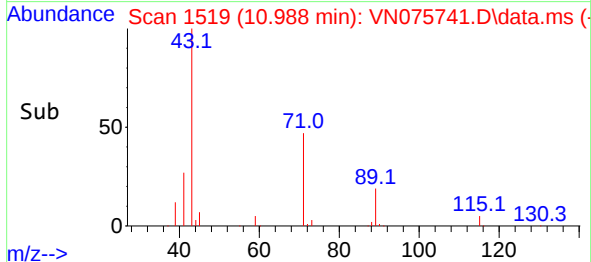
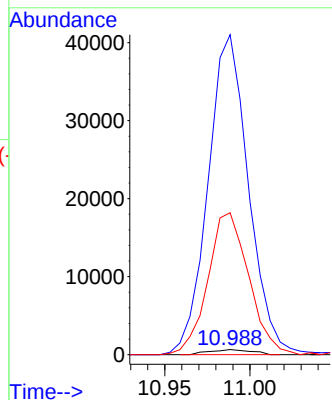
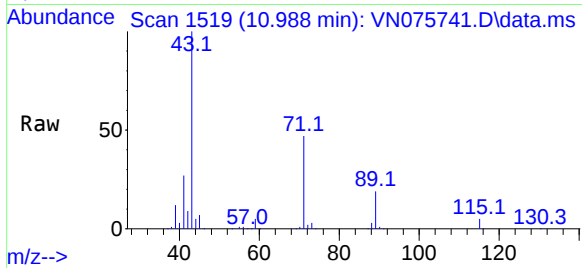




#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

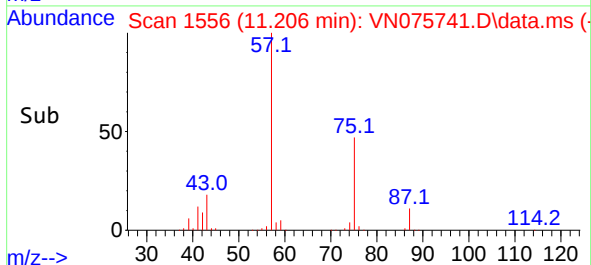
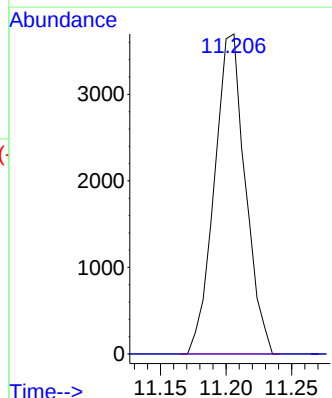
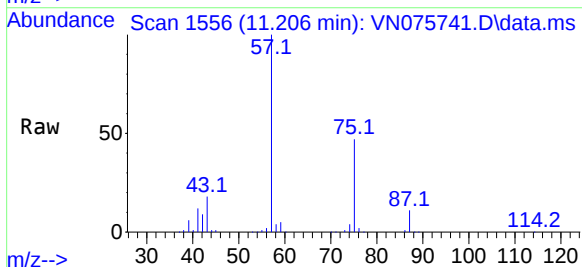
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

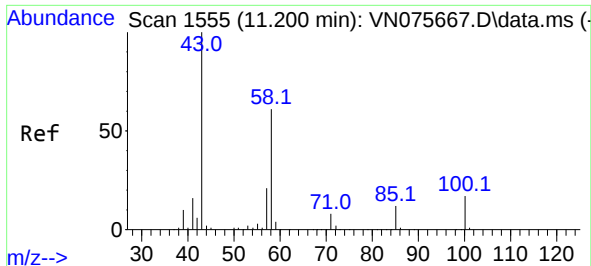
Tgt Ion: 69 Resp: 1126
Ion Ratio Lower Upper
69 100
41 6040.7 44.1 66.1#
39 2705.2 27.7 41.5#



#57
1,3-Dichloropropane
Concen: 1.470 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 76 Resp: 6063
Ion Ratio Lower Upper
76 100
78 0.0 26.8 40.2#

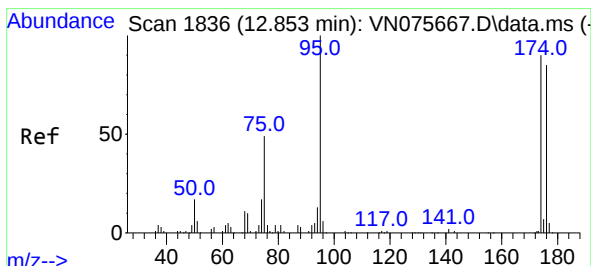
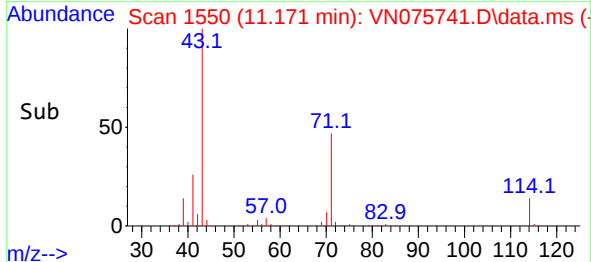
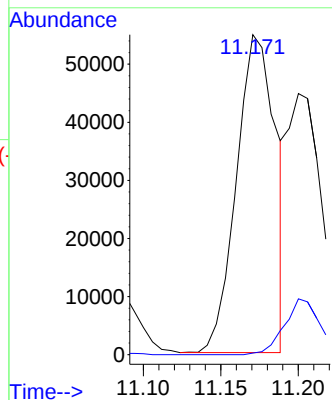
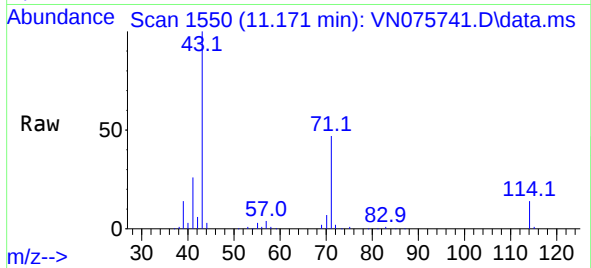




#59
2-Hexanone
Concen: 50.354 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

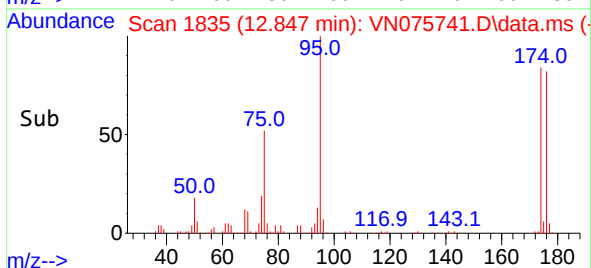
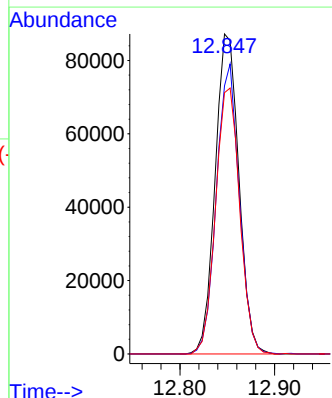
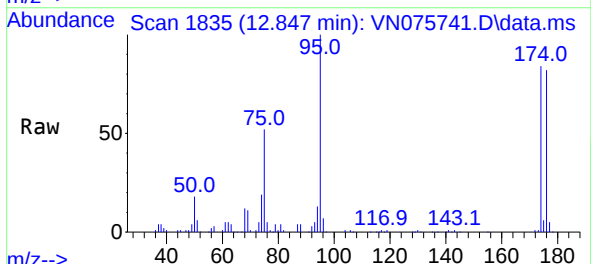
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

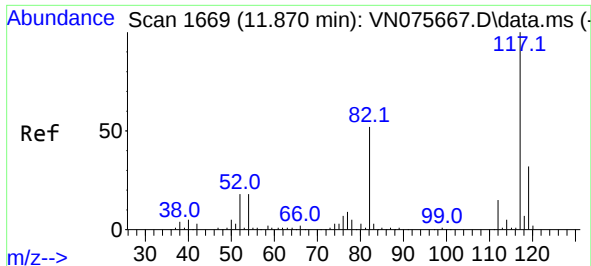
Tgt Ion: 43 Resp: 96723
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 49.093 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 95 Resp: 151860
Ion Ratio Lower Upper
95 100
174 87.1 0.0 178.6
176 84.3 0.0 170.8

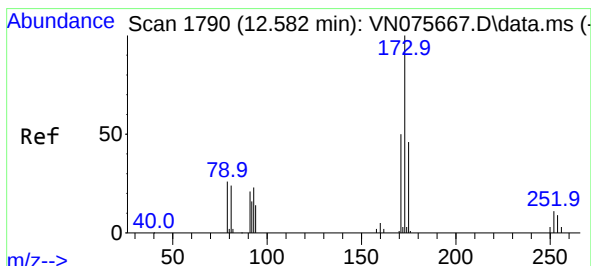
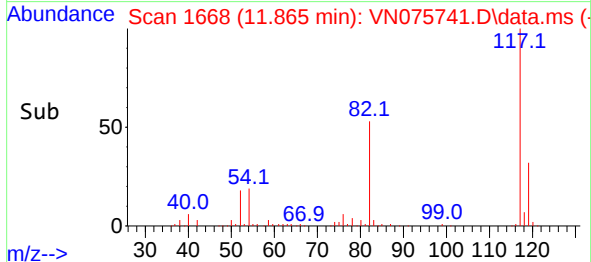
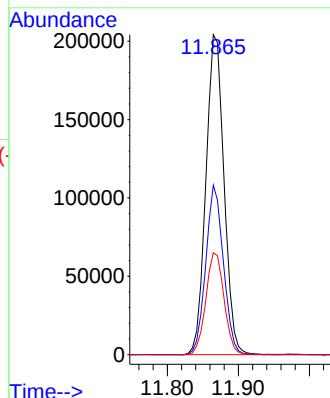
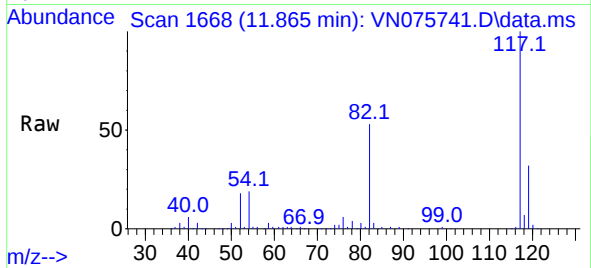




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

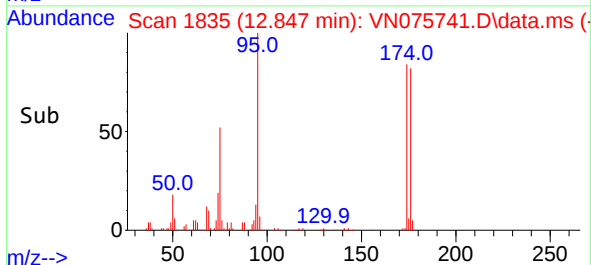
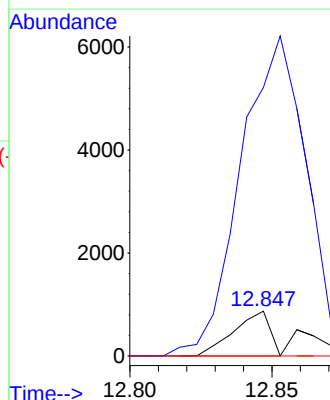
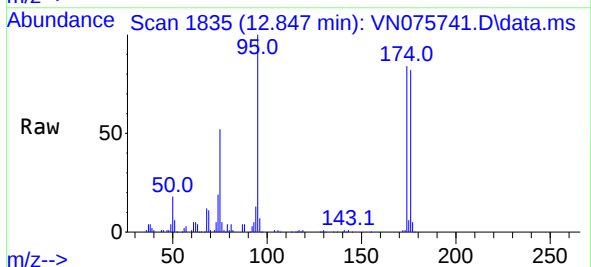
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

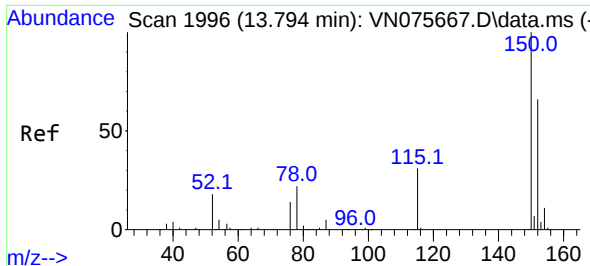
Tgt Ion:117 Resp: 362240
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 31.9 25.8 38.6



#71
Bromoform
Concen: 0.374 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion:173 Resp: 768
Ion Ratio Lower Upper
173 100
175 1123.6 23.8 71.2#
254 0.0 0.0 0.0

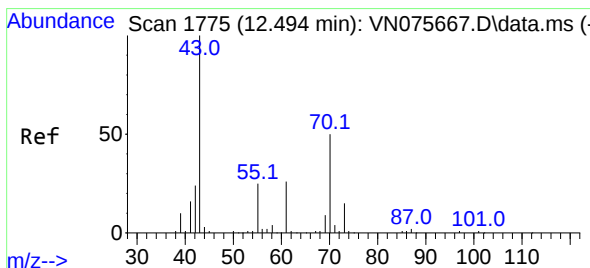
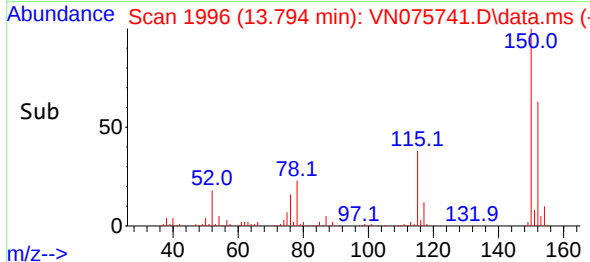
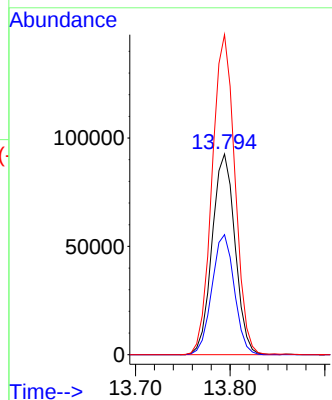
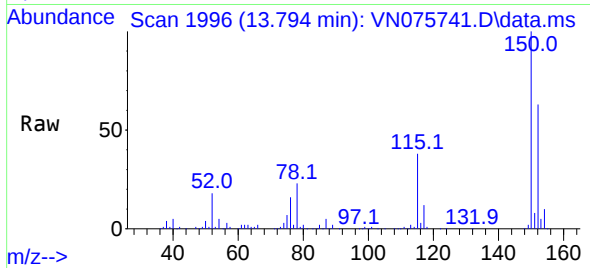




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

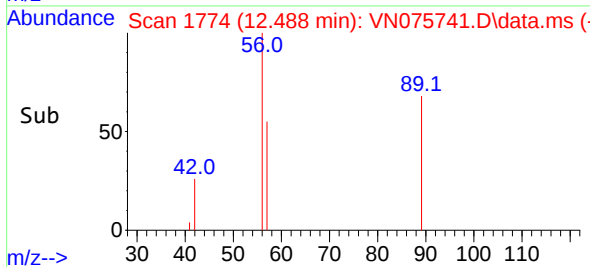
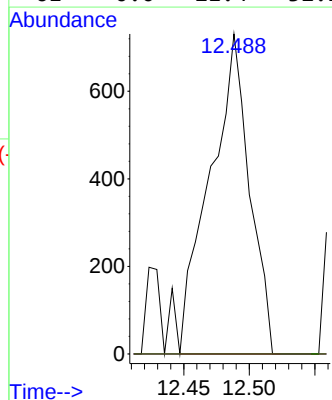
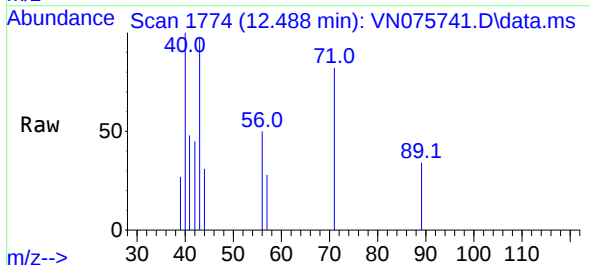
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

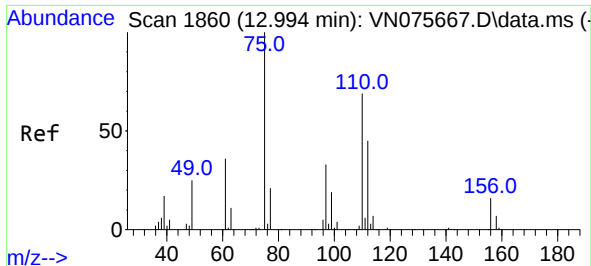
Tgt Ion:152 Resp: 155767
Ion Ratio Lower Upper
152 100
115 58.5 28.4 85.2
150 159.0 0.0 347.6



#74
N-ethyl acetate
Concen: 0.471 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 0.0 20.7 31.1#
61 0.0 21.4 32.2#

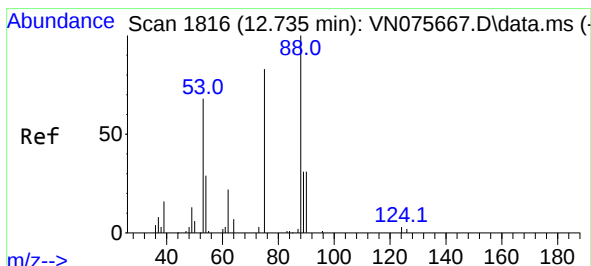
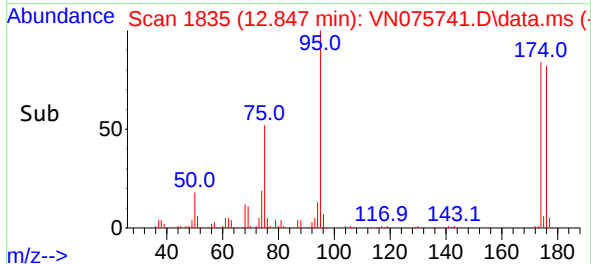
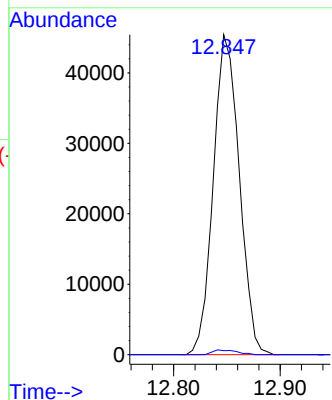
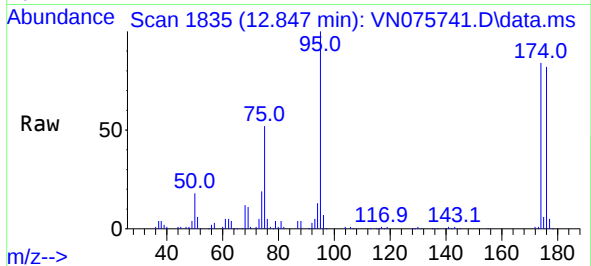




#76
1,2,3-Trichloropropane
Concen: 24.567 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#04

Tgt Ion: 75 Resp: 76851
Ion Ratio Lower Upper
75 100
77 1.4 81.8 245.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.429 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075741.D
Acq: 13 Dec 2022 05:17

Tgt Ion: 75 Resp: 76851
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#

