

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075477.D
 Acq On : 29 Nov 2022 15:39
 Operator : JC\MD
 Sample : PB149314ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#03

Quant Time: Nov 30 02:28:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

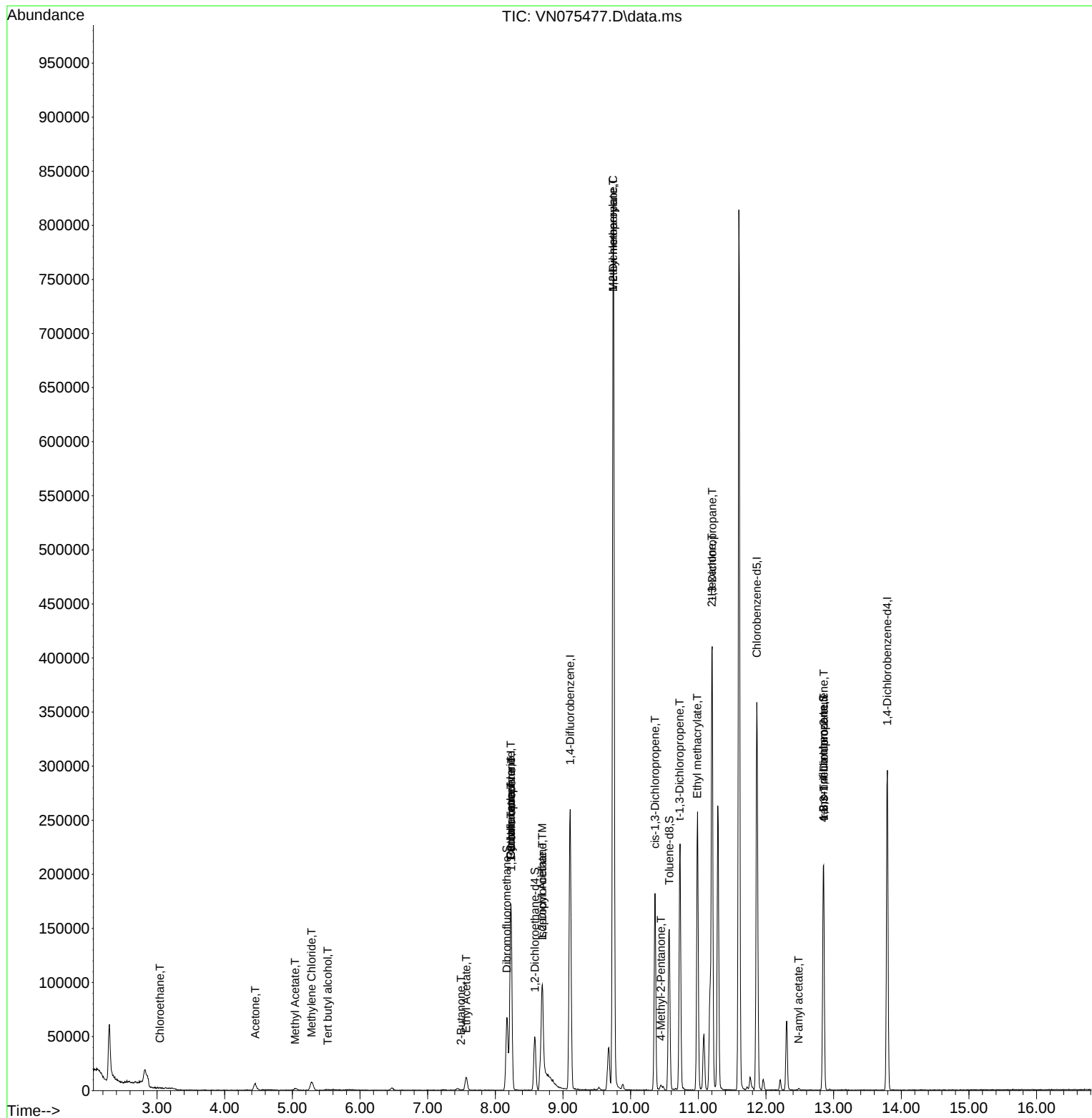
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	132544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	241057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	40709	57.218	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.440%	
35) Dibromofluoromethane	8.171	113	49506	52.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	10.571	98	108077	50.674	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.340%	
62) 4-Bromofluorobenzene	12.847	95	72621	46.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.260%	
Target Compounds						Qvalue
6) Chloroethane	3.042	64	265	0.220	ug/l #	45
11) Tert butyl alcohol	5.524	59	551	1.845	ug/l #	72
16) Acetone	4.453	43	12425	18.723	ug/l #	88
18) Methyl Acetate	5.041	43	3547	0.847	ug/l #	72
20) Methylene Chloride	5.283	84	7066	4.076	ug/l #	83
25) 2-Butanone	7.494	43	974	1.051	ug/l #	43
31) Cyclohexane	8.229	56	2527	1.118	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	9648	4.672	ug/l #	50
37) Ethyl Acetate	7.571	43	17459	9.389	ug/l	98
38) Carbon Tetrachloride	8.229	117	14020	6.180	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	492	0.232	ug/l #	75
43) Isopropyl Acetate	8.694	43	128361	43.007	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1259	0.836	ug/l #	42
48) Methyl methacrylate	9.741	41	75258	54.531	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	3361	1.768	ug/l	91
53) t-1,3-Dichloropropene	10.723	75	482	0.218	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	35378	14.702	ug/l #	64
56) Ethyl methacrylate	10.982	69	873	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5012	1.852	ug/l #	42
59) 2-Hexanone	11.200	43	51056	35.767	ug/l #	52
74) N-amyl acetate	12.482	43	808	0.423	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	36942	22.955	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36942	67.918	ug/l #	10

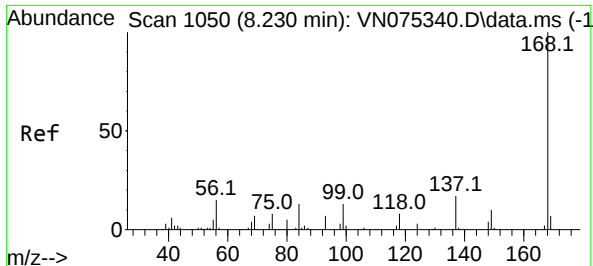
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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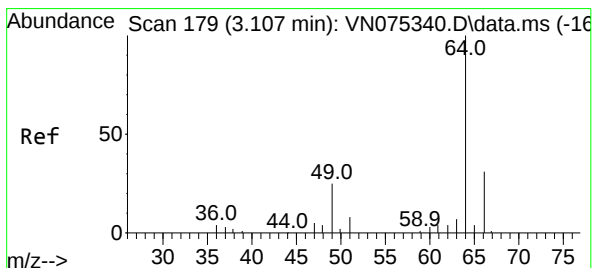
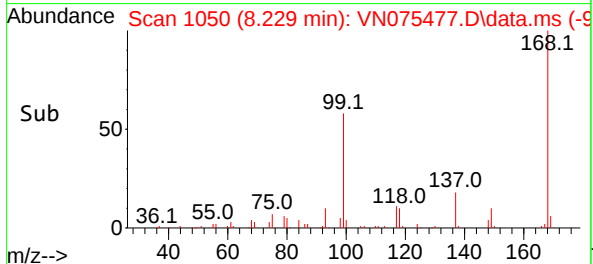
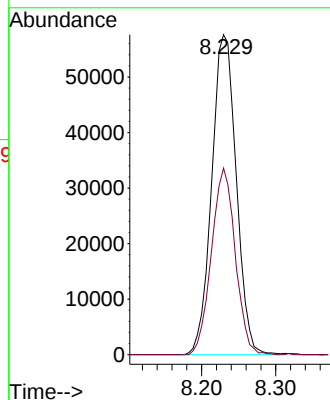
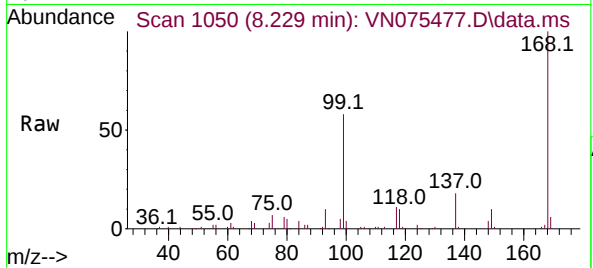




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

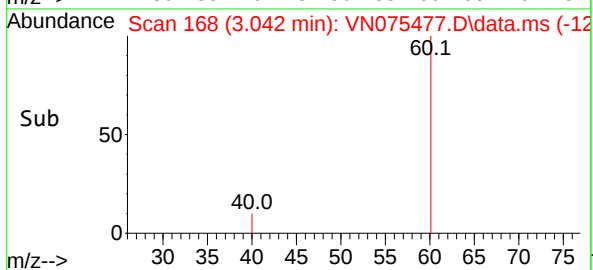
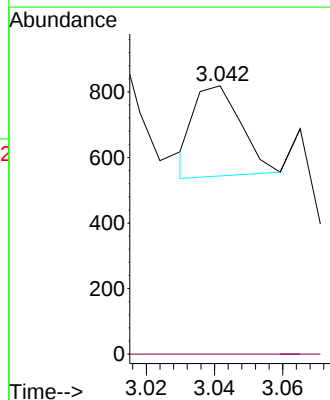
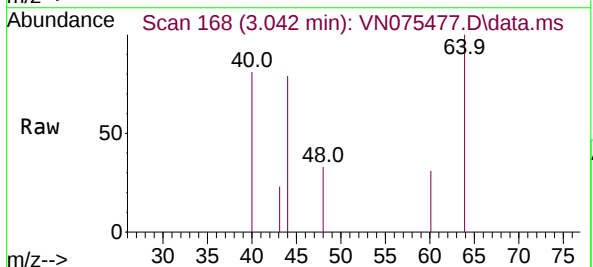
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

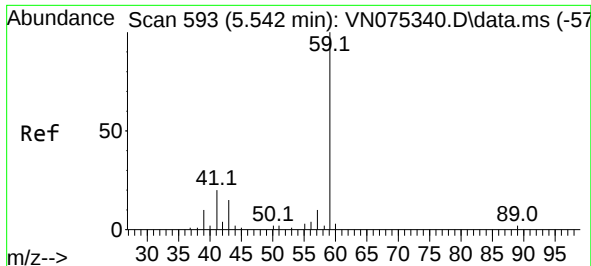
Tgt Ion:168 Resp: 132544
Ion Ratio Lower Upper
168 100
99 58.3 51.6 77.4



#6
Chloroethane
Concen: 0.220 ug/l
RT: 3.042 min Scan# 168
Delta R.T. -0.065 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 64 Resp: 265
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

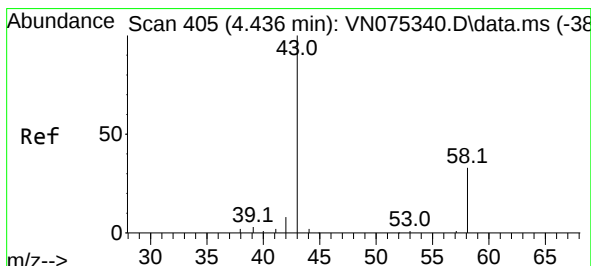
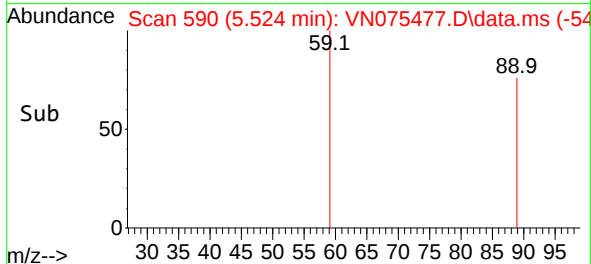
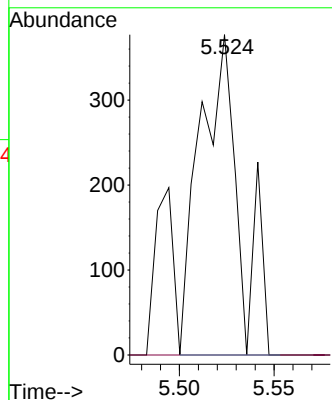
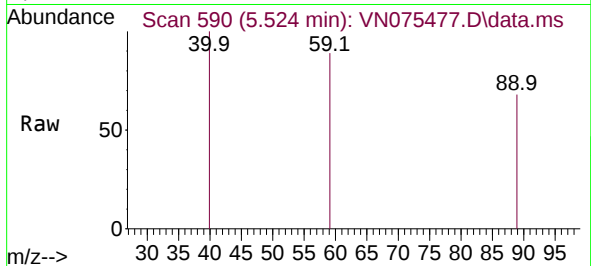




#11
Tert butyl alcohol
Concen: 1.845 ug/l
RT: 5.524 min Scan# 591
Delta R.T. -0.018 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

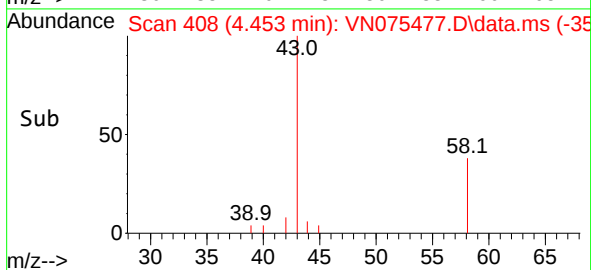
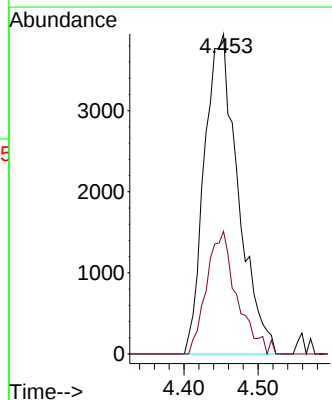
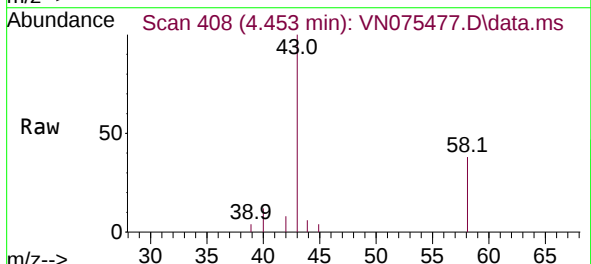
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 18.723 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 43 Resp: 12425
Ion Ratio Lower Upper
43 100
58 38.3 25.5 38.3#

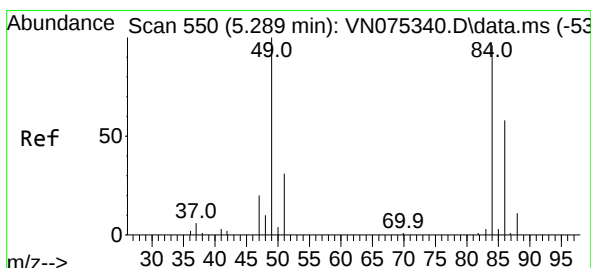
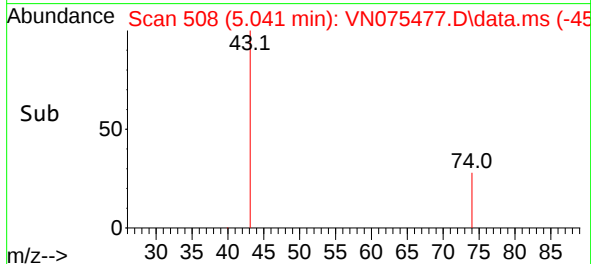
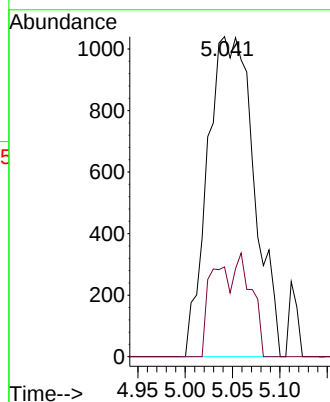
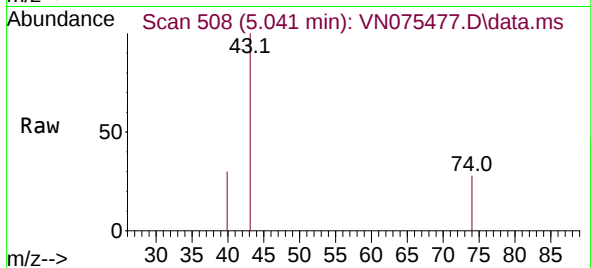




#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 5.041 min Scan# 507
Delta R.T. 0.005 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

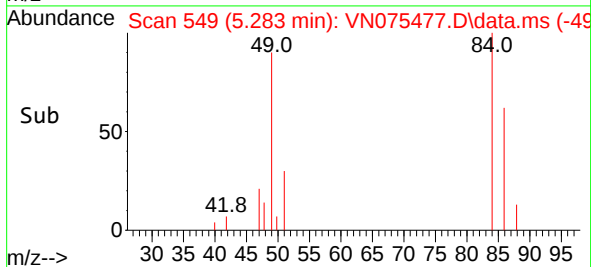
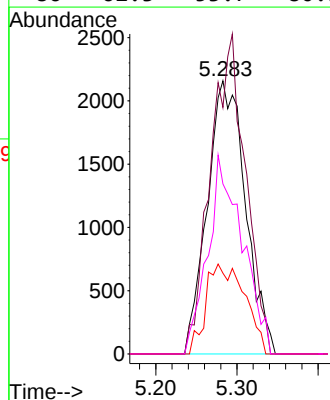
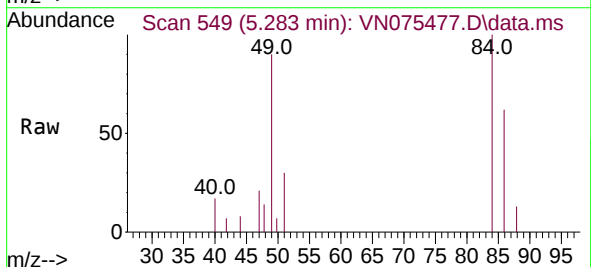
Instrument :
MSVOA_N
ClientSampleId :
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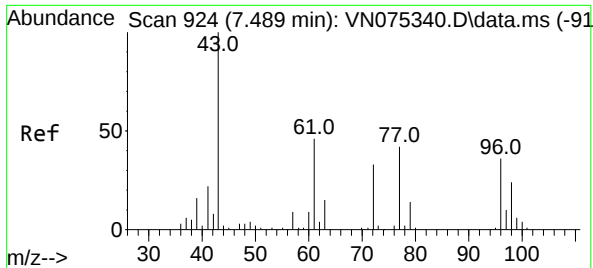
Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
74 13.1 22.0 33.0#



#20
Methylene Chloride
Concen: 4.076 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 84 Resp: 7066
Ion Ratio Lower Upper
84 100
49 90.2 94.9 142.3#
51 29.6 26.8 40.2
86 62.3 53.7 80.5

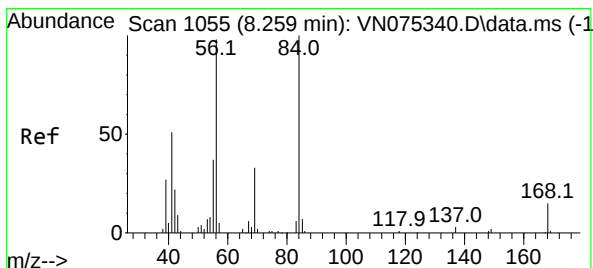
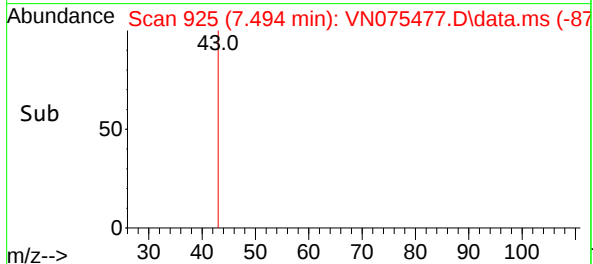
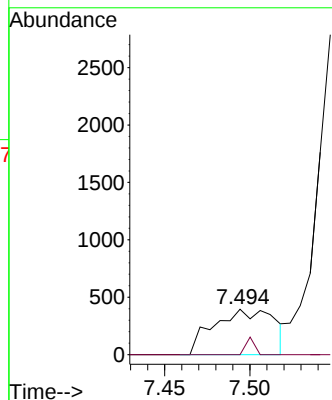
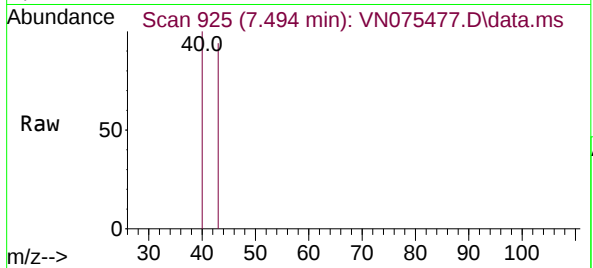




#25
2-Butanone
Concen: 1.051 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

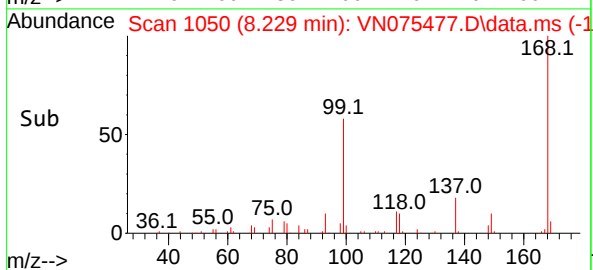
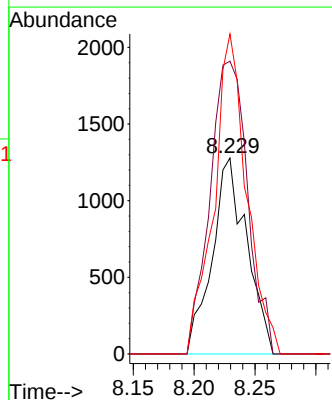
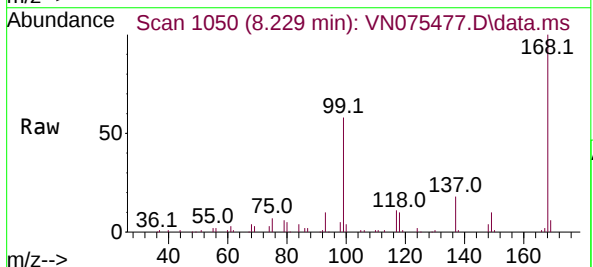
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

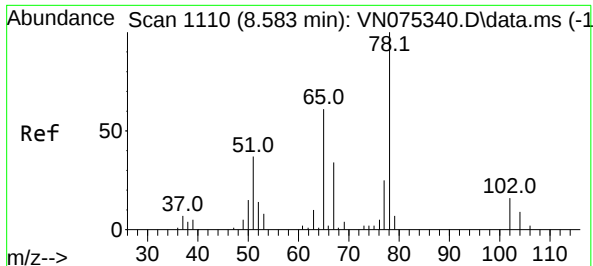
Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 56 Resp: 2527
Ion Ratio Lower Upper
56 100
69 149.4 25.2 37.8#
84 163.3 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 57.218 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

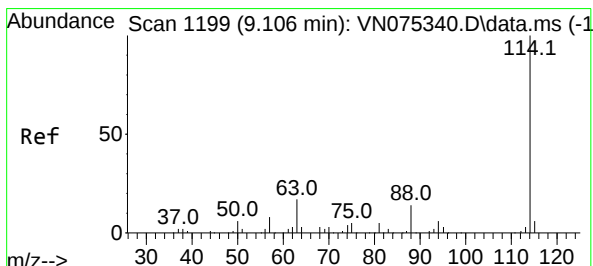
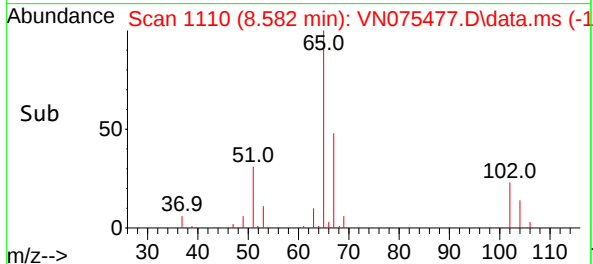
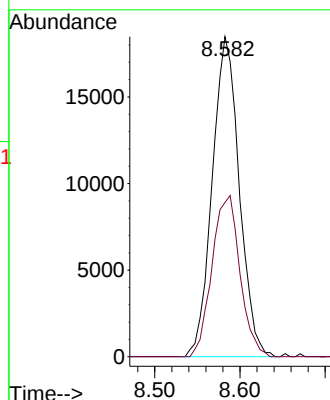
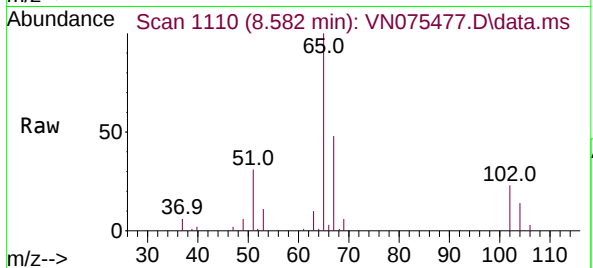
PB149314ZHE#03

Tgt Ion: 65 Resp: 40709

Ion Ratio Lower Upper

65 100

67 52.1 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: VN075477.D

Acq: 29 Nov 2022 15:39

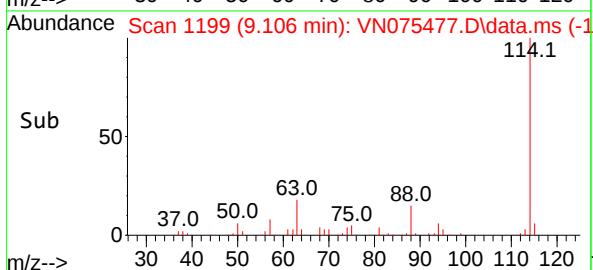
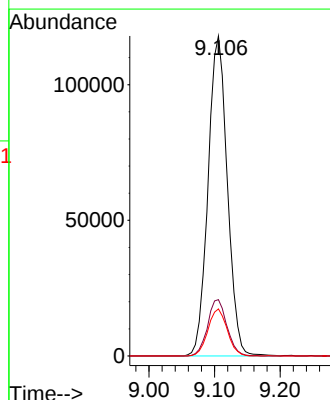
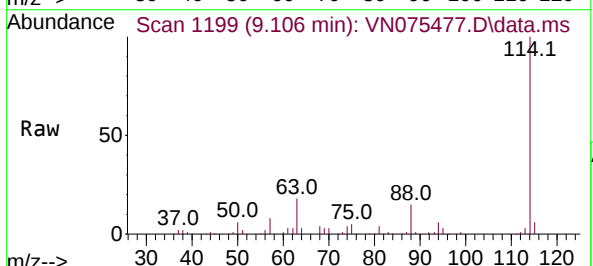
Tgt Ion: 114 Resp: 241057

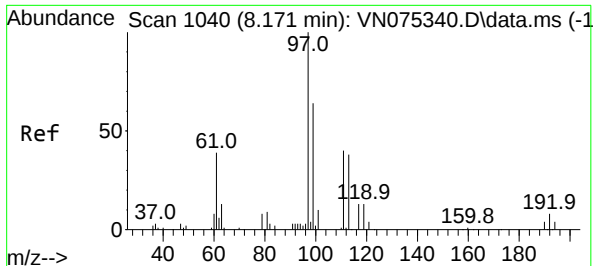
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.279 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#03

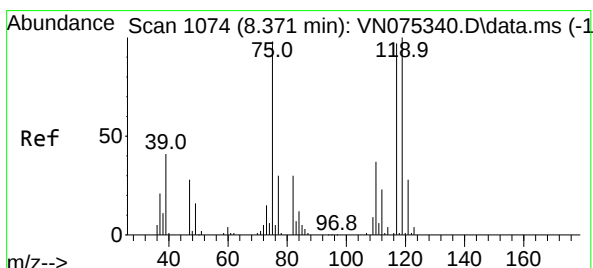
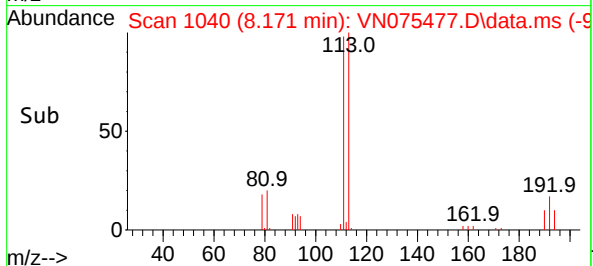
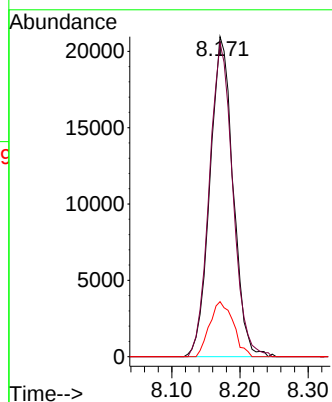
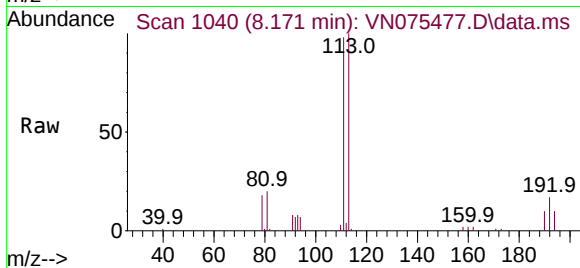
Tgt Ion:113 Resp: 49506

Ion Ratio Lower Upper

113 100

111 99.5 80.5 120.7

192 17.6 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.136 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

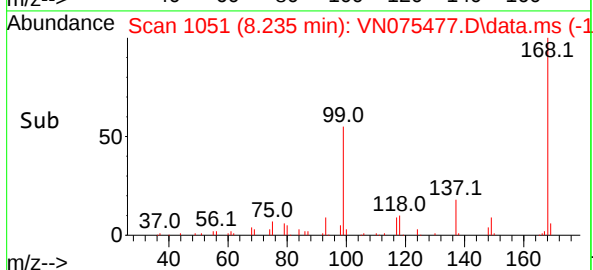
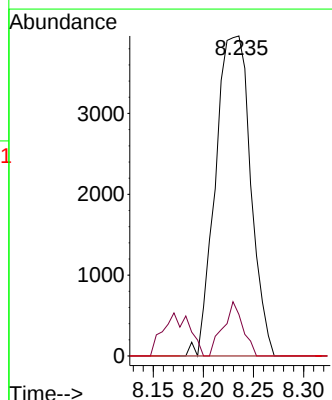
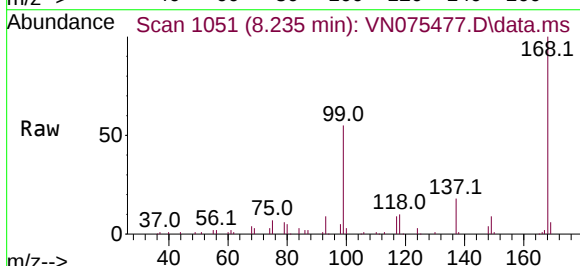
Tgt Ion: 75 Resp: 9648

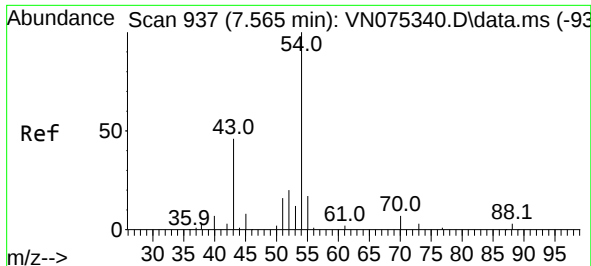
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

77 0.0 24.6 37.0#

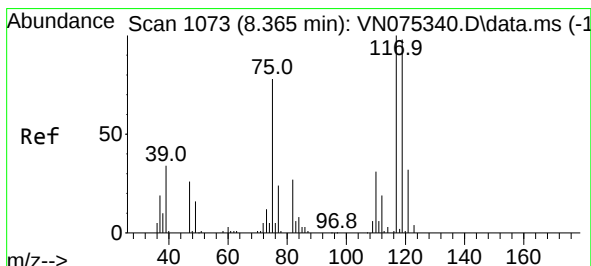
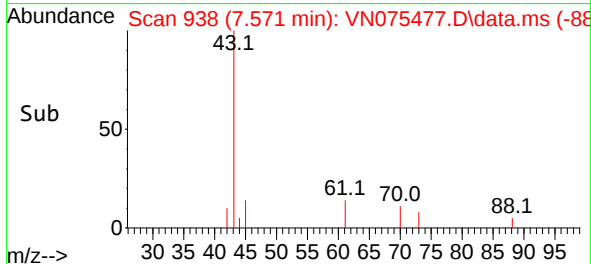
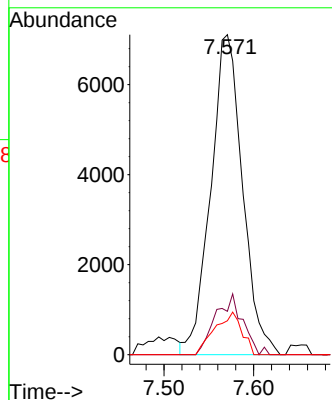
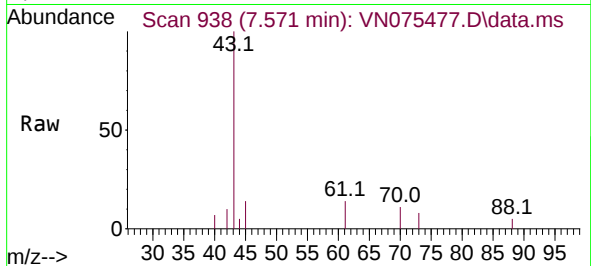




#37
Ethyl Acetate
Concen: 9.389 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

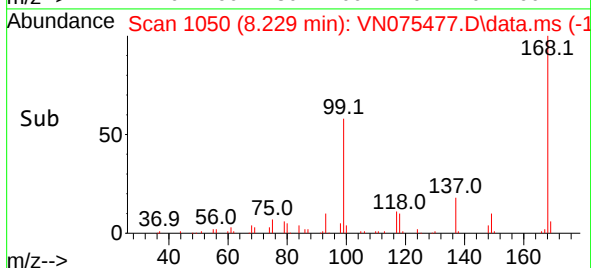
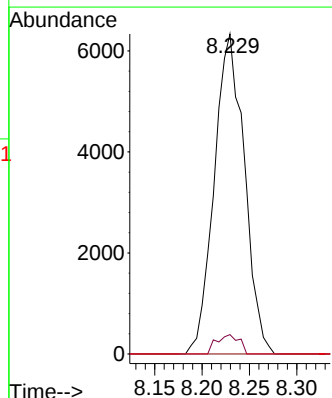
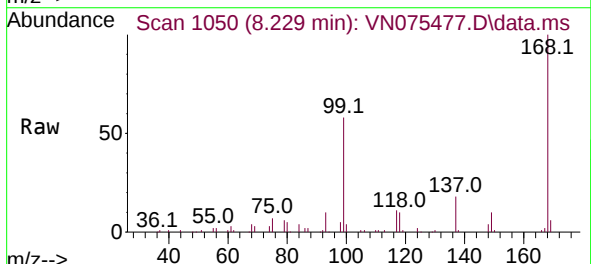
Instrument :
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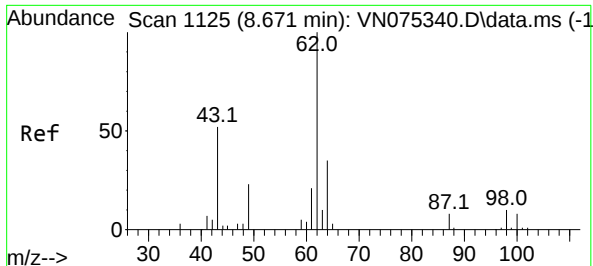
Tgt Ion:	43	Resp:	17459
Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.2	18.4
70	11.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.180 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion:	117	Resp:	14020
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.023 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

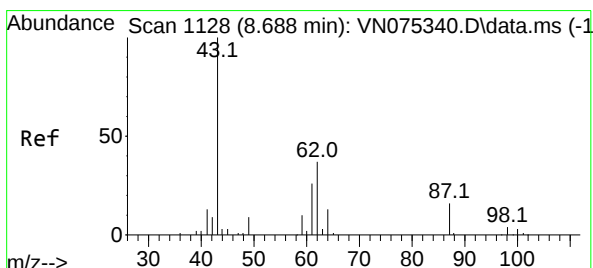
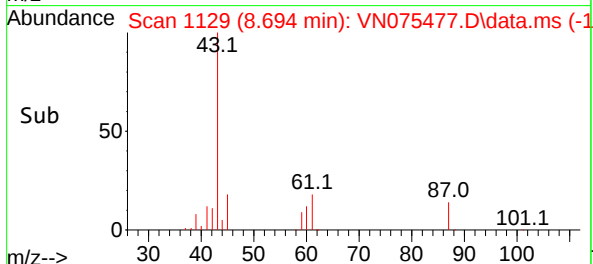
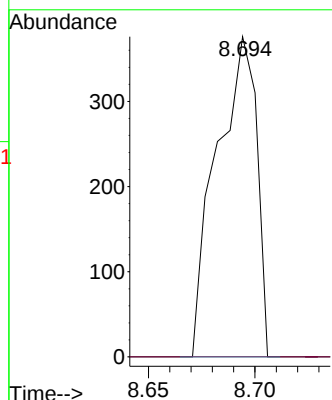
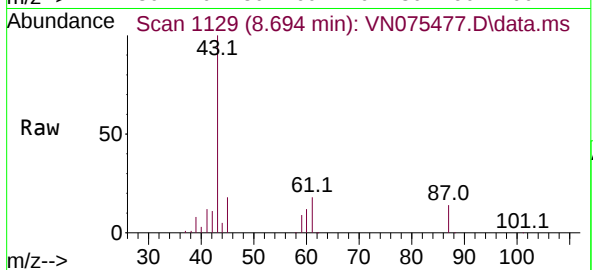
PB149314ZHE#03

Tgt Ion: 62 Resp: 492

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 43.007 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

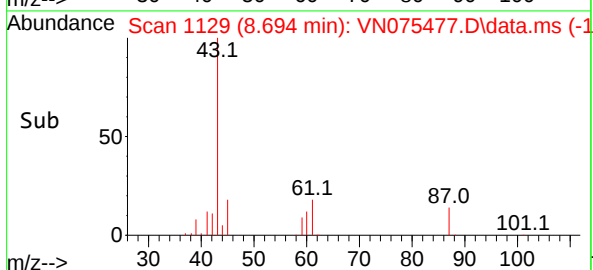
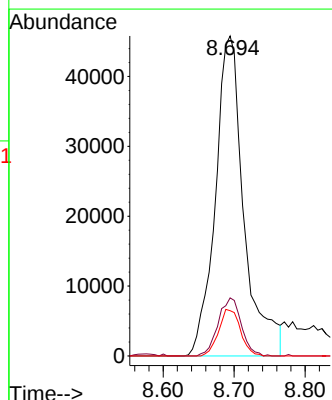
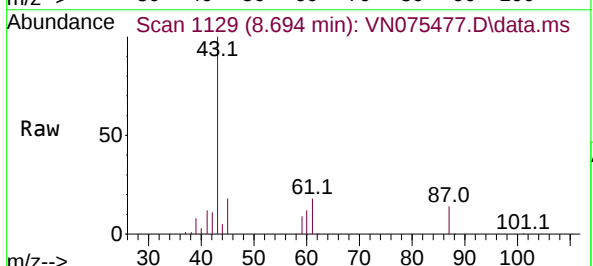
Tgt Ion: 43 Resp: 128361

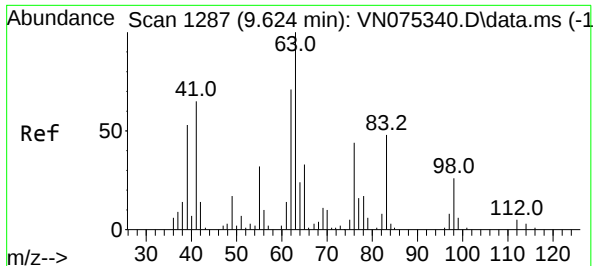
Ion Ratio Lower Upper

43 100

61 14.7 22.4 33.6#

87 11.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.836 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

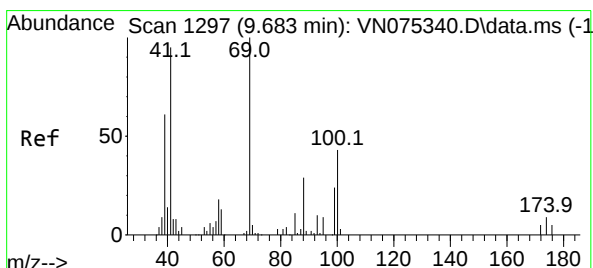
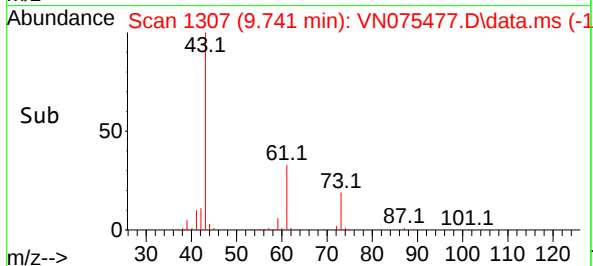
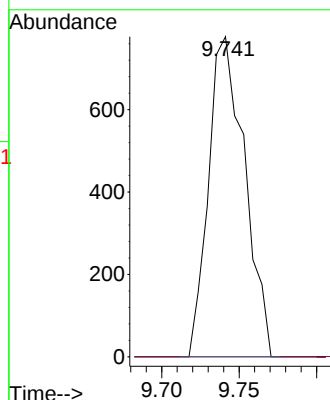
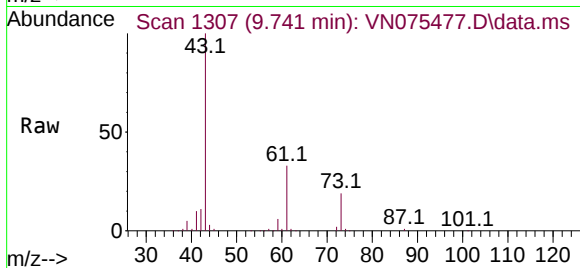
PB149314ZHE#03

Tgt Ion: 63 Resp: 1259

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 54.531 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.058 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

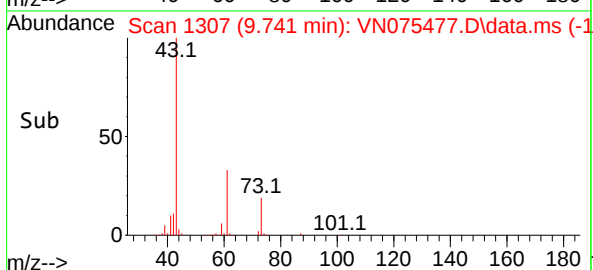
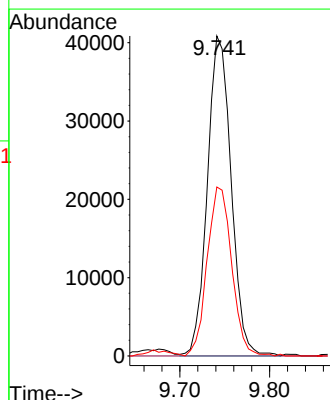
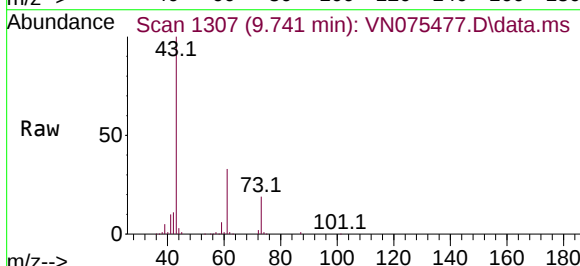
Tgt Ion: 41 Resp: 75258

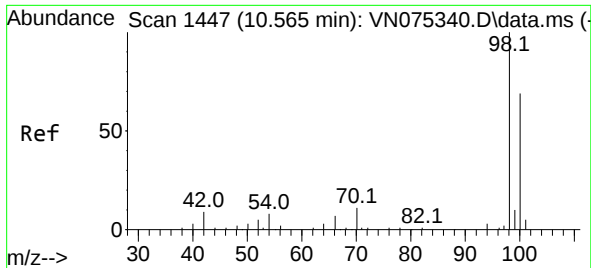
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 54.6 56.2 84.2#

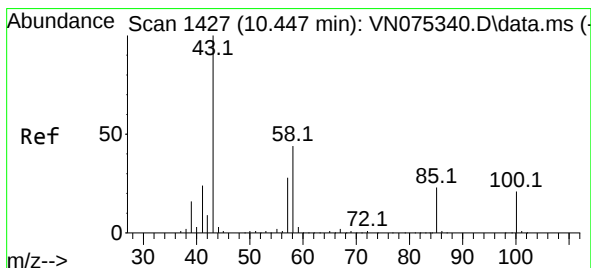
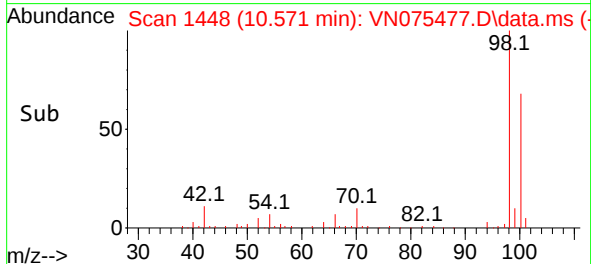
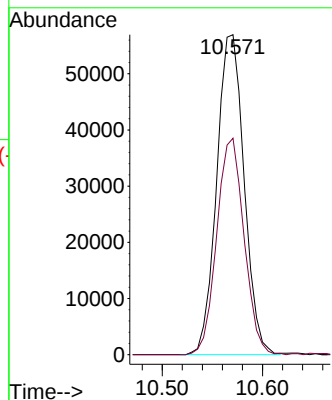
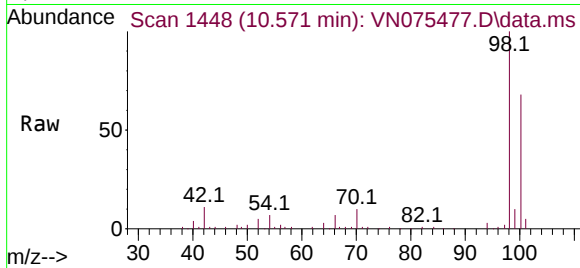




#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

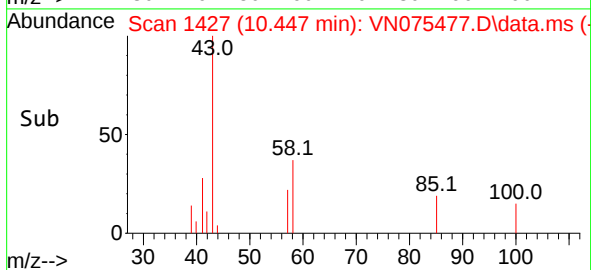
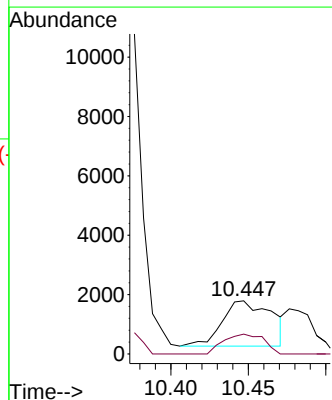
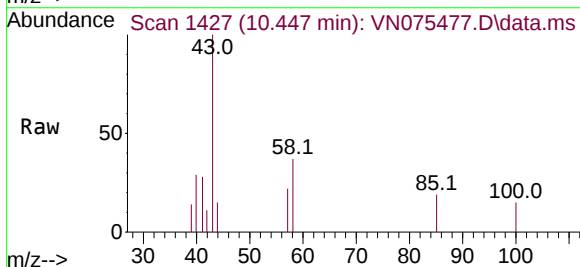
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

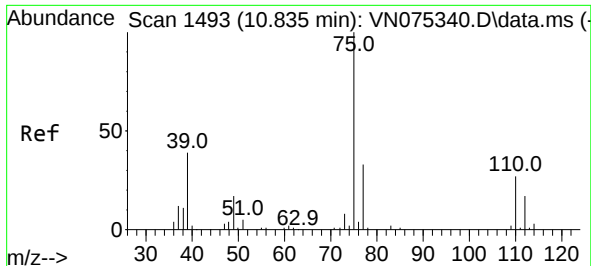
Tgt Ion: 98 Resp: 108077
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.768 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
58 36.1 33.6 50.4

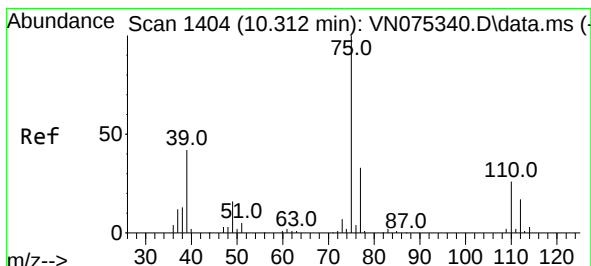
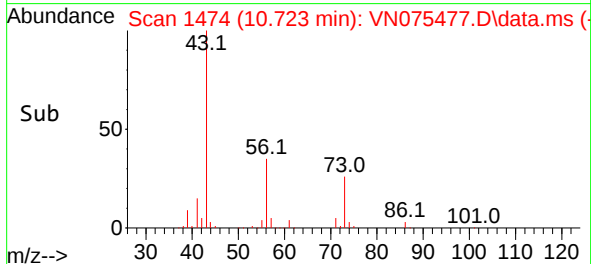
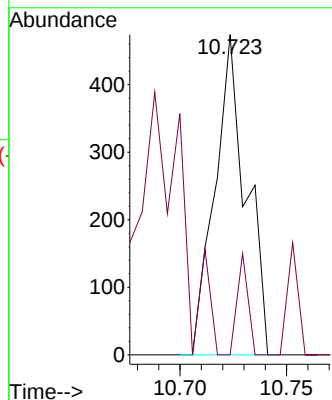
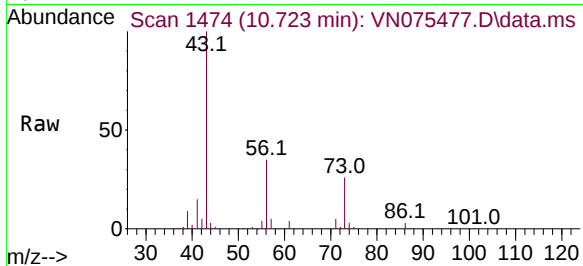




#53
t-1,3-Dichloropropene
Concen: 0.218 ug/l
RT: 10.723 min Scan# 1410
Delta R.T. -0.112 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

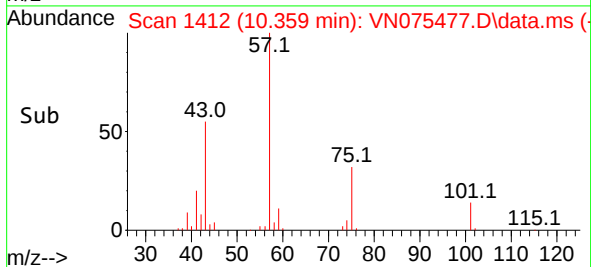
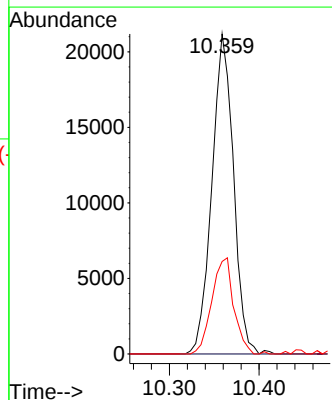
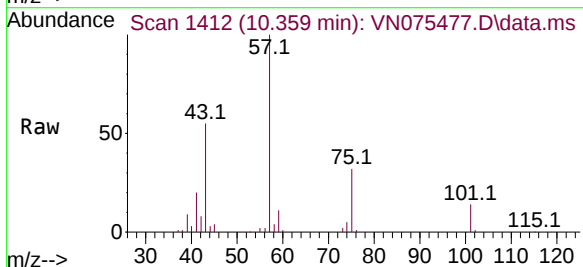
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

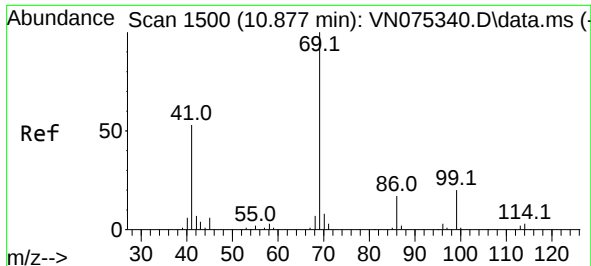
Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 14.702 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 75 Resp: 35378
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 28.9 35.8 53.6#

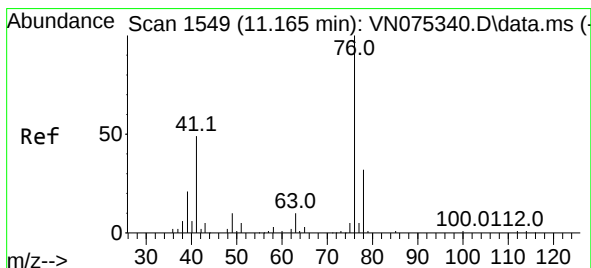
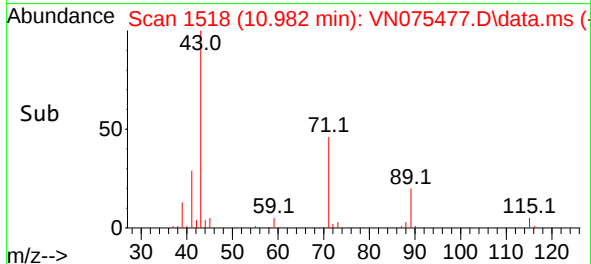
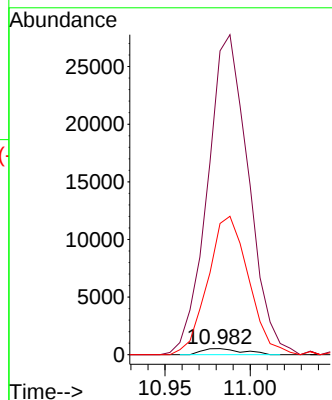
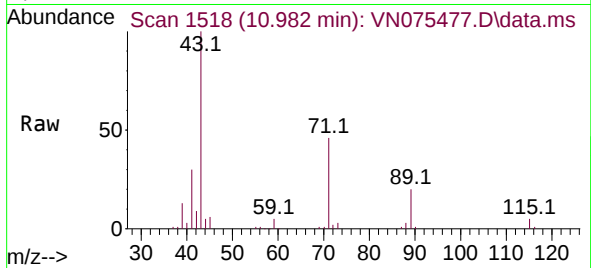




#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

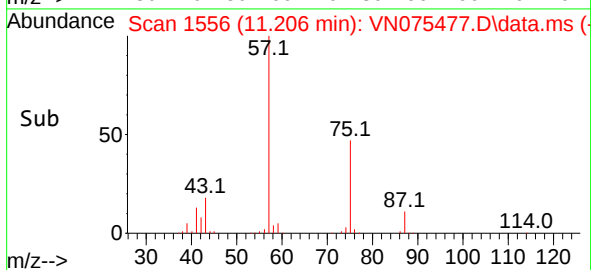
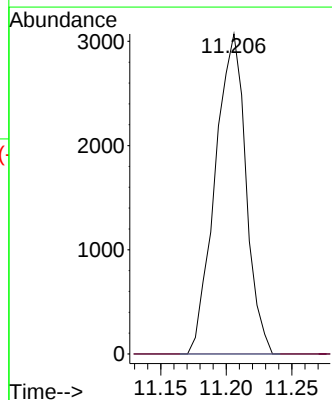
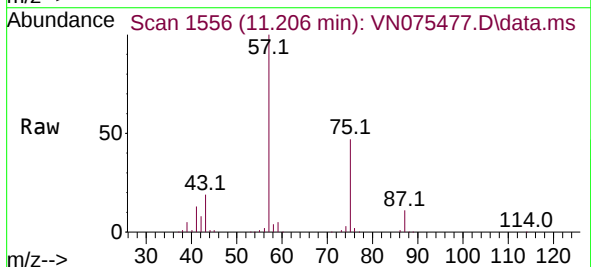
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

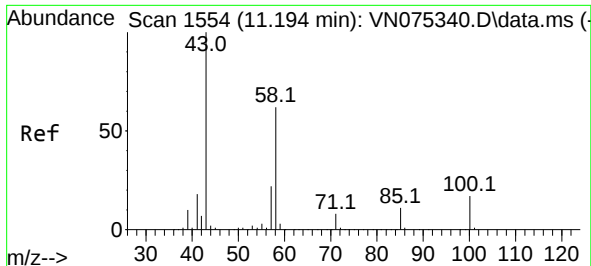
Tgt Ion: 69 Resp: 873
Ion Ratio Lower Upper
69 100
41 5338.1 45.6 68.4#
39 2287.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.852 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 76 Resp: 5012
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

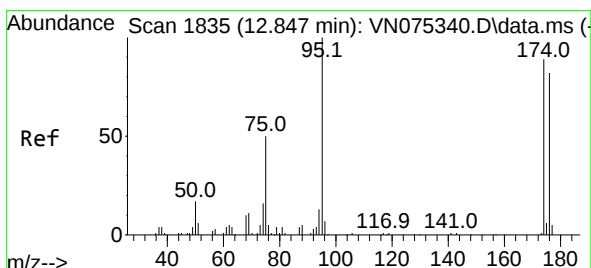
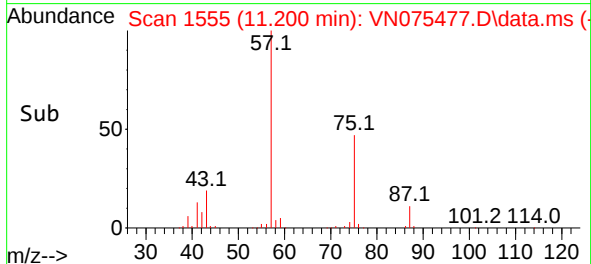
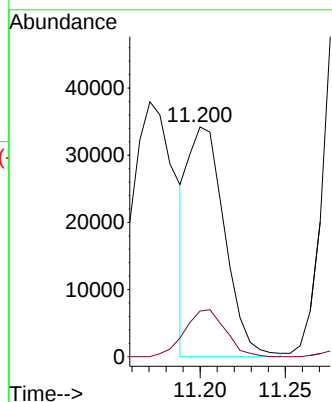
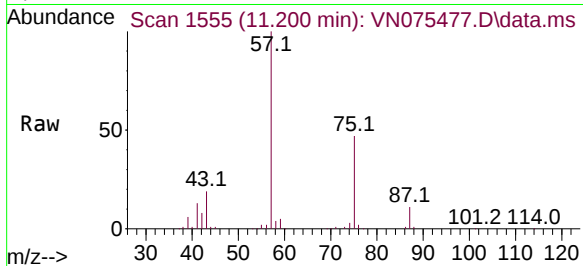




#59
2-Hexanone
Concen: 35.767 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

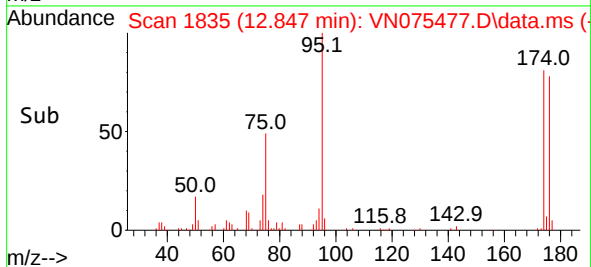
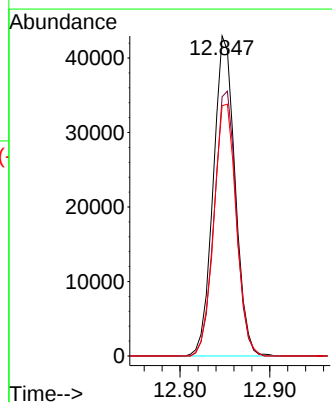
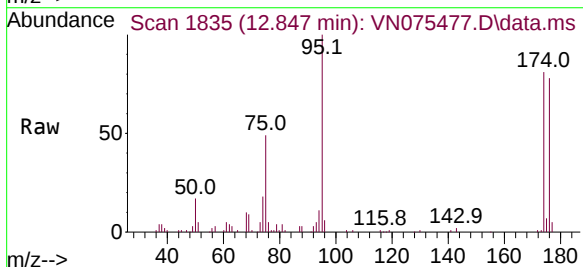
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

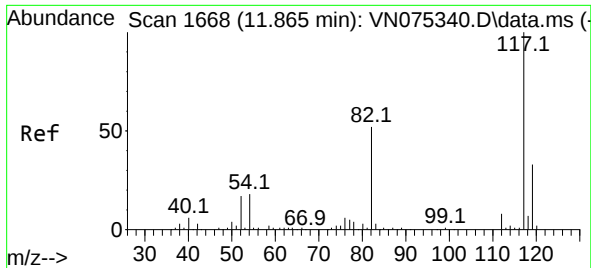
Tgt Ion: 43 Resp: 51056
Ion Ratio Lower Upper
43 100
58 22.8 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 46.131 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion: 95 Resp: 72621
Ion Ratio Lower Upper
95 100
174 82.7 0.0 147.4
176 80.7 0.0 142.2

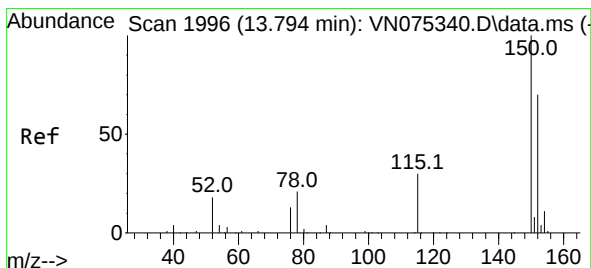
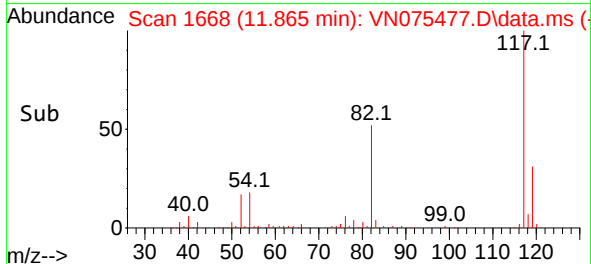
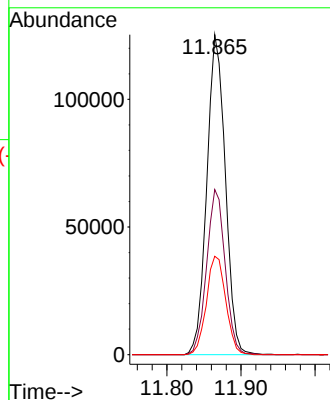
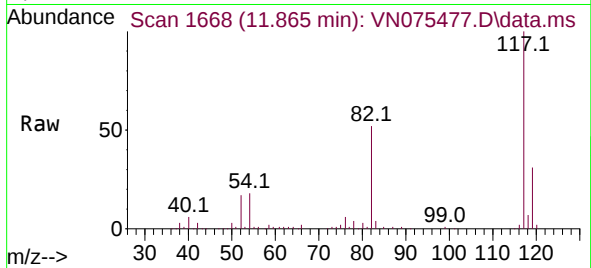




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

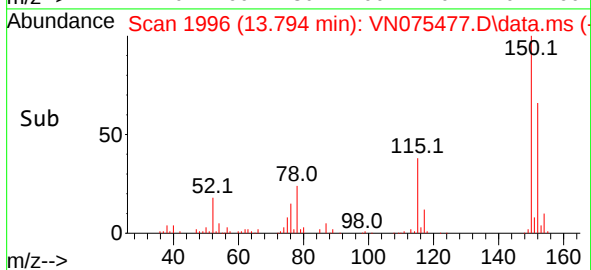
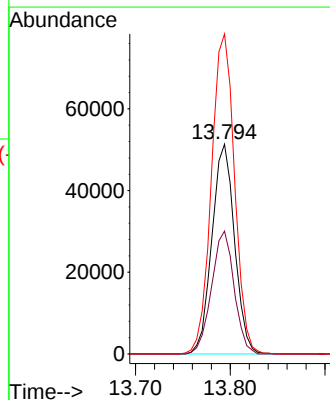
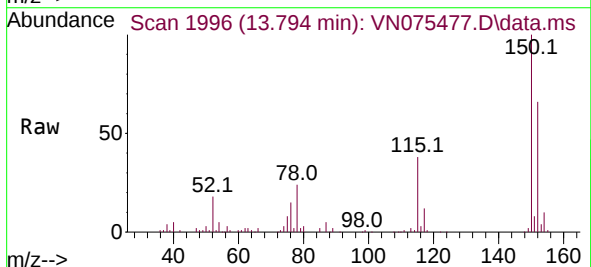
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#03

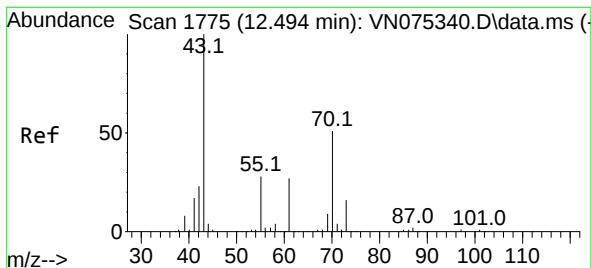
Tgt Ion:117 Resp: 217350
Ion Ratio Lower Upper
117 100
82 51.6 43.1 64.7
119 30.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075477.D
Acq: 29 Nov 2022 15:39

Tgt Ion:152 Resp: 85117
Ion Ratio Lower Upper
152 100
115 58.5 30.2 90.6
150 155.9 0.0 348.4





#74

N-amy1 acetate

Concen: 0.423 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN075477.D

Acq: 29 Nov 2022 15:39

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#03

Tgt Ion: 43 Resp: 808

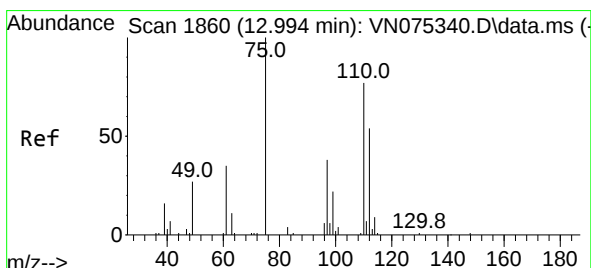
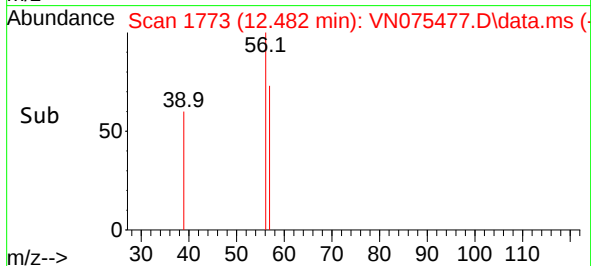
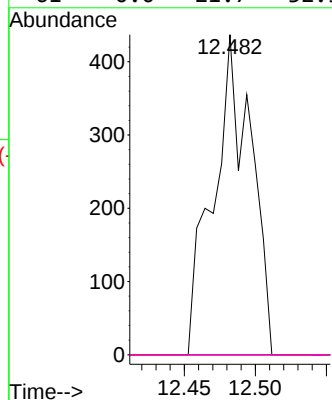
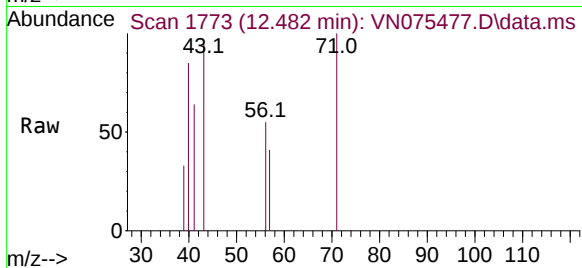
Ion Ratio Lower Upper

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: 22.955 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075477.D

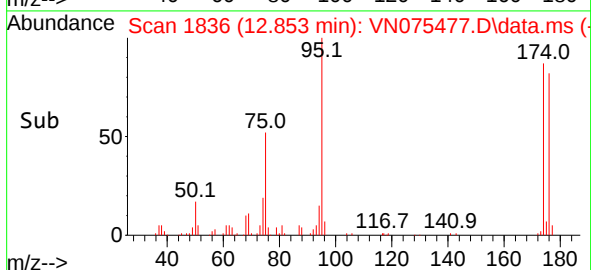
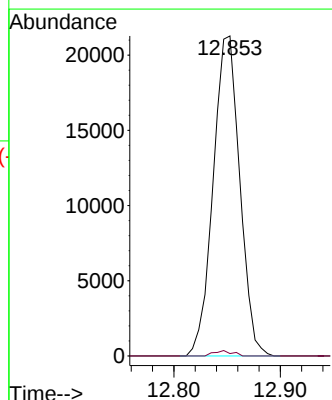
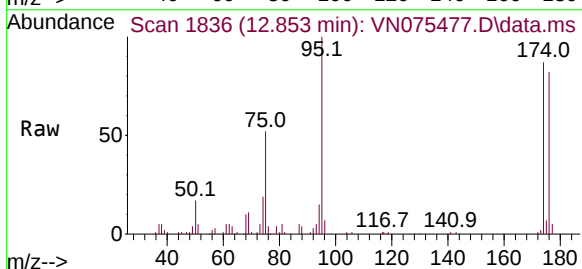
Acq: 29 Nov 2022 15:39

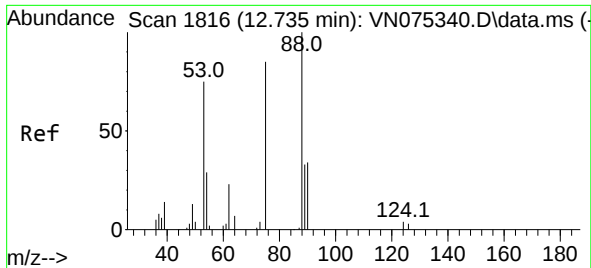
Tgt Ion: 75 Resp: 36942

Ion Ratio Lower Upper

75 100

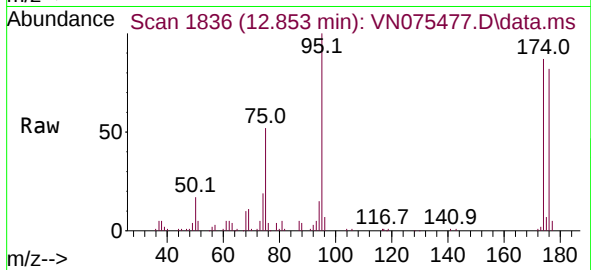
77 1.2 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.918 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075477.D
 Acq: 29 Nov 2022 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#03



Tgt Ion: 75 Resp: 36942
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

