

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075475.D
 Acq On : 29 Nov 2022 14:51
 Operator : JC\MD
 Sample : PB149314ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#01

Quant Time: Nov 30 02:27:58 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)

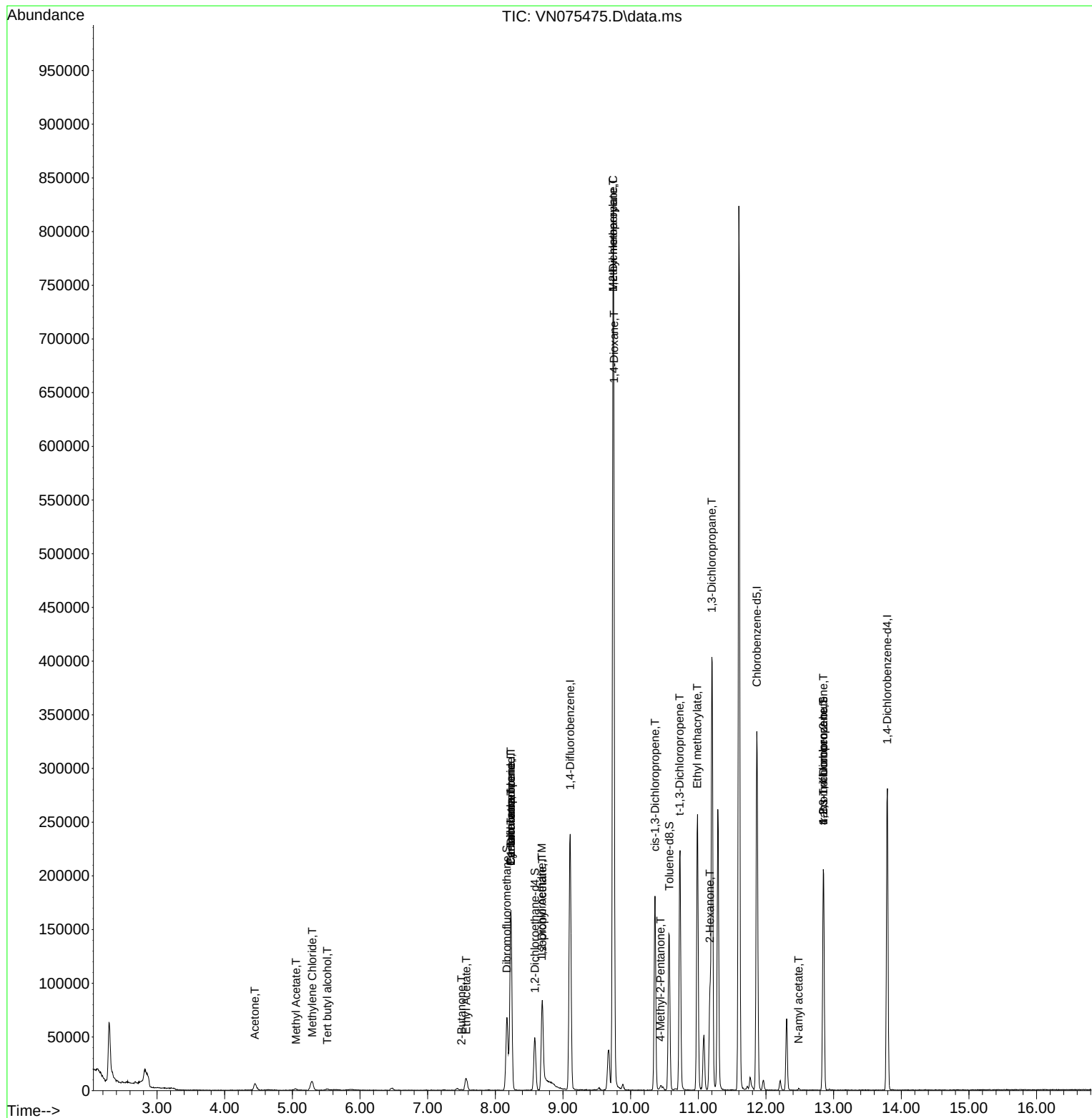
Internal Standards						
1) Pentafluorobenzene	8.230	168	127498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	224377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	39811	58.170	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.340%	
35) Dibromofluoromethane	8.171	113	48542	55.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.140%	
50) Toluene-d8	10.571	98	104156	52.466	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.940%	
62) 4-Bromofluorobenzene	12.847	95	70951	48.421	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	696	2.423	ug/l #	72
16) Acetone	4.448	43	12061	18.893	ug/l	91
18) Methyl Acetate	5.053	43	2733	0.414	ug/l #	71
20) Methylene Chloride	5.295	84	7723	4.810	ug/l #	71
25) 2-Butanone	7.500	43	952	1.068	ug/l #	43
31) Cyclohexane	8.230	56	2340	1.076	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	9002	4.683	ug/l #	53
37) Ethyl Acetate	7.571	43	17235	9.958	ug/l	98
38) Carbon Tetrachloride	8.230	117	13455	6.372	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	395	0.200	ug/l #	75
43) Isopropyl Acetate	8.694	43	104002	37.436	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	950	0.677	ug/l #	42
48) Methyl methacrylate	9.741	41	74110	57.691	ug/l #	33
49) 1,4-Dioxane	9.753	88	66	1.809	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3042	1.719	ug/l	96
53) t-1,3-Dichloropropene	10.724	75	504	0.244	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	34233	15.283	ug/l #	65
56) Ethyl methacrylate	10.982	69	982	0.471	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4609	1.830	ug/l #	42
59) 2-Hexanone	11.171	43	69877	52.591	ug/l #	21
74) N-amyl acetate	12.482	43	692	0.384	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	36412	23.978	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	36412	70.945	ug/l #	10

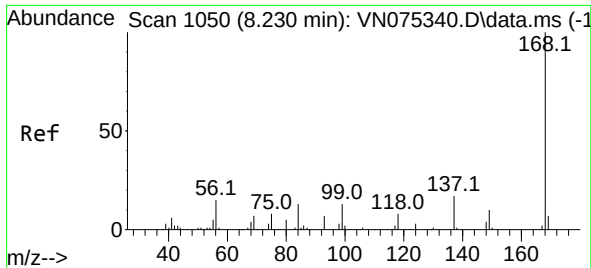
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

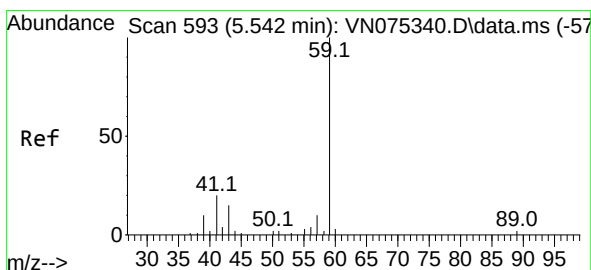
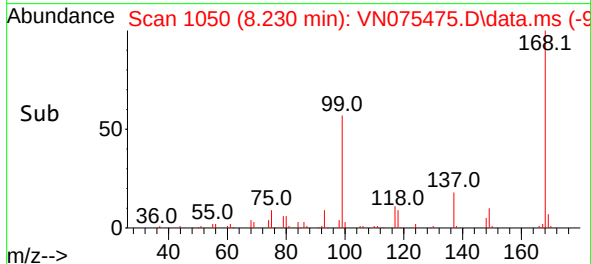
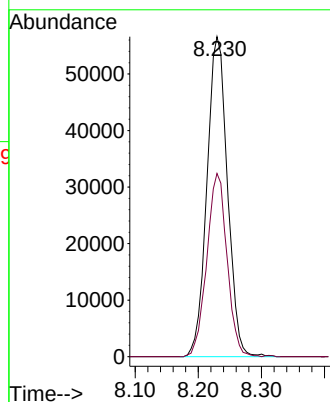
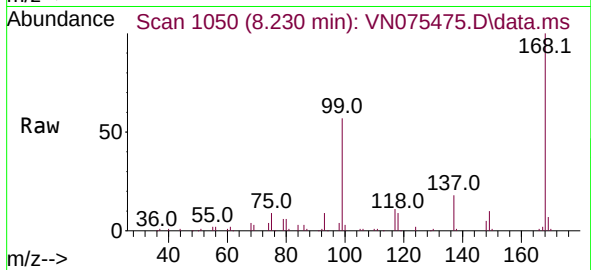




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

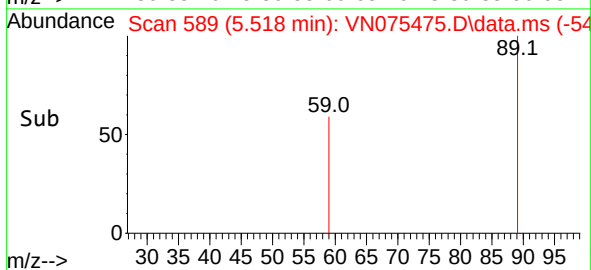
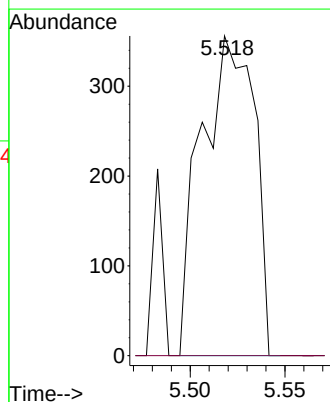
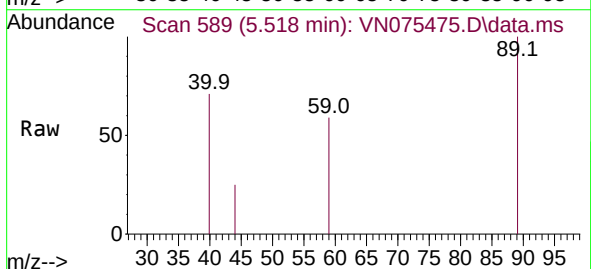
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

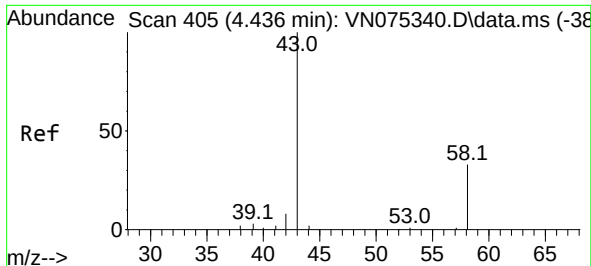
Tgt Ion:168 Resp: 127498
Ion Ratio Lower Upper
168 100
99 57.3 51.6 77.4



#11
Tert butyl alcohol
Concen: 2.423 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 59 Resp: 696
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

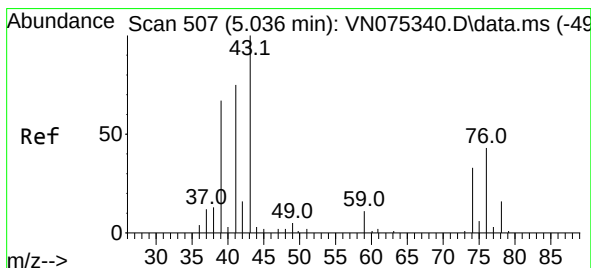
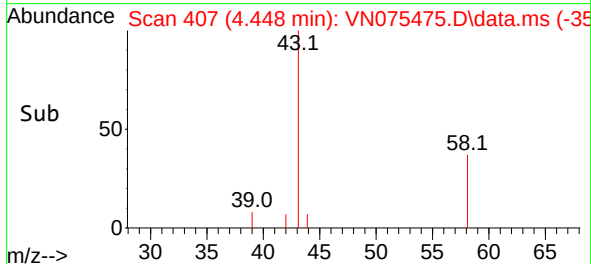
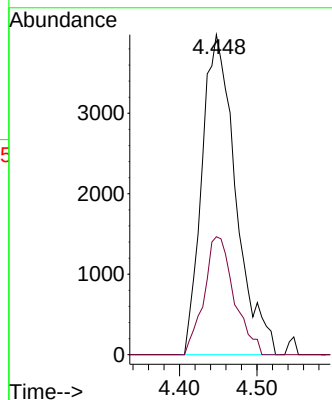
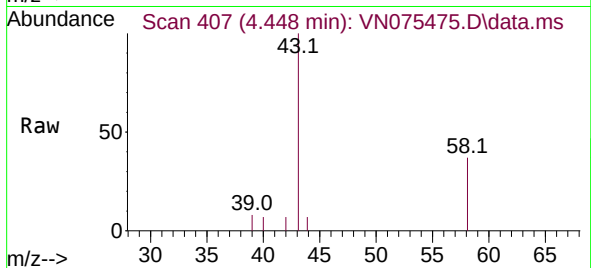




#16
Acetone
Concen: 18.893 ug/l
RT: 4.448 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

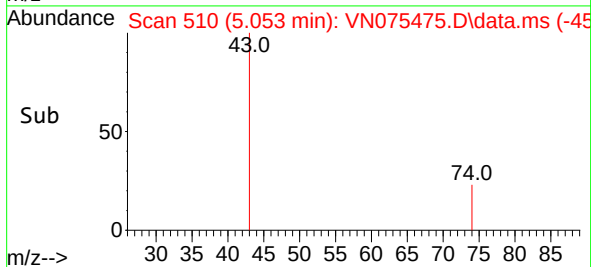
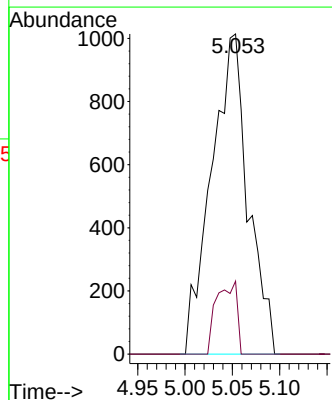
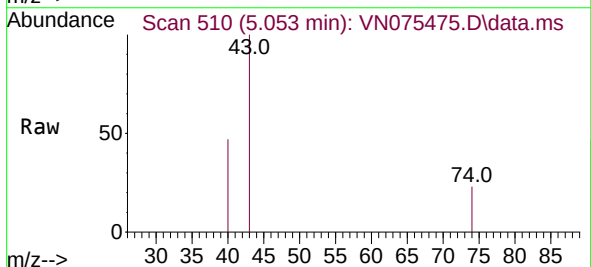
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

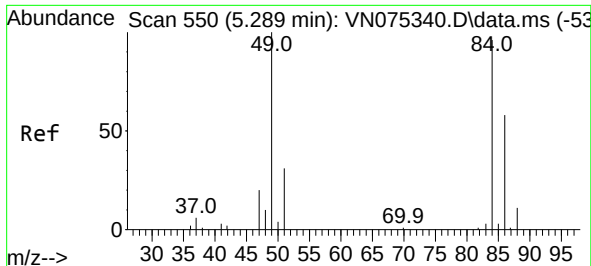
Tgt Ion: 43 Resp: 12061
Ion Ratio Lower Upper
43 100
58 36.9 25.5 38.3



#18
Methyl Acetate
Concen: 0.414 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 43 Resp: 2733
Ion Ratio Lower Upper
43 100
74 12.6 22.0 33.0#

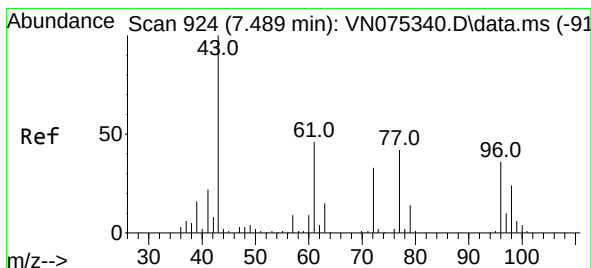
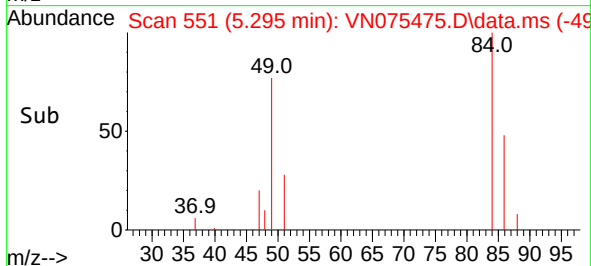
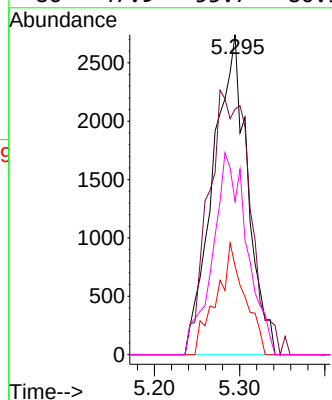
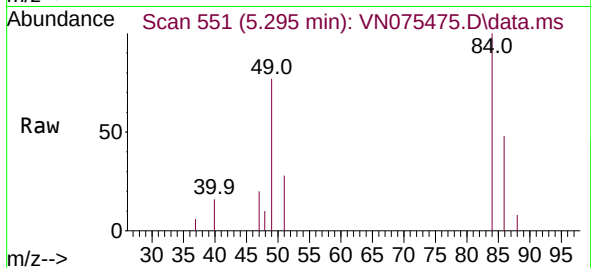




#20
Methylene Chloride
Concen: 4.810 ug/l
RT: 5.295 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

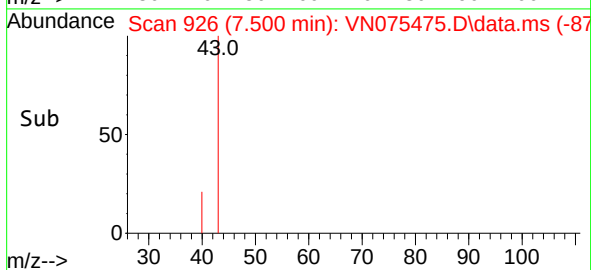
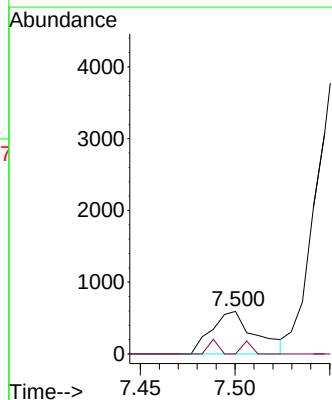
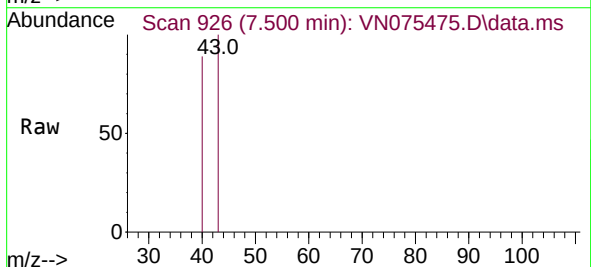
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

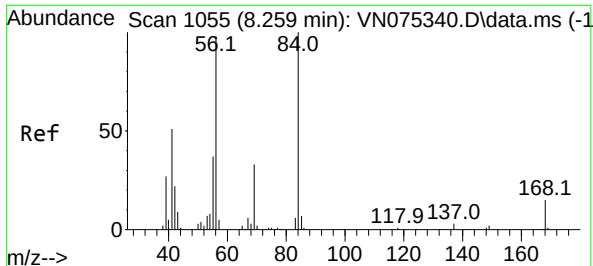
Tgt Ion:	84	Resp:	7723
Ion	Ratio	Lower	Upper
84	100		
49	76.8	94.9	142.3#
51	27.7	26.8	40.2
86	47.9	53.7	80.5#



#25
2-Butanone
Concen: 1.068 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion:	43	Resp:	952
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

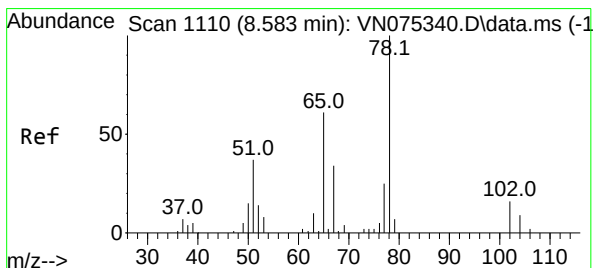
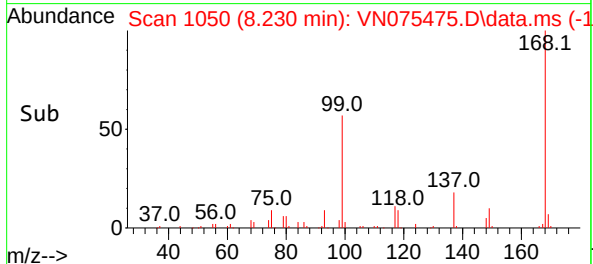
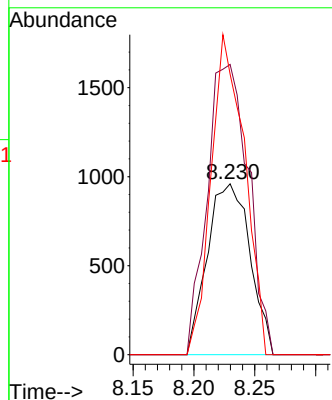
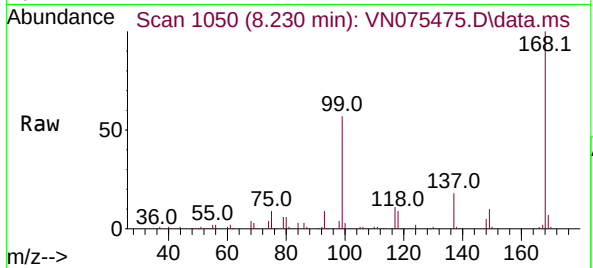




#31
Cyclohexane
Concen: 1.076 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

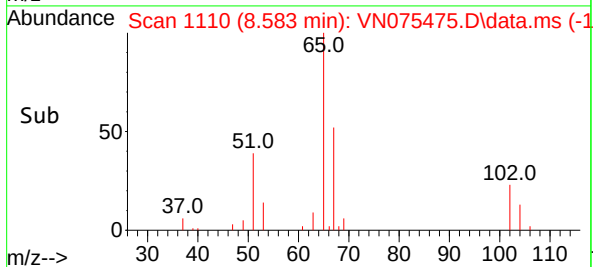
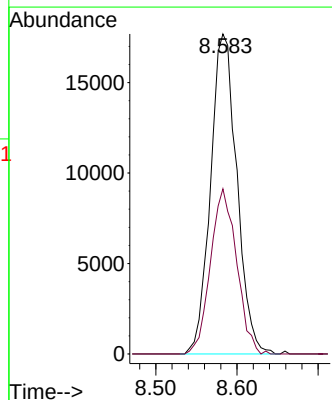
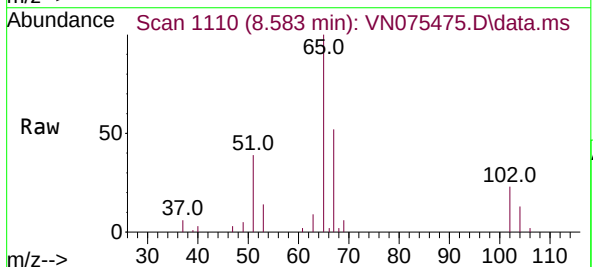
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

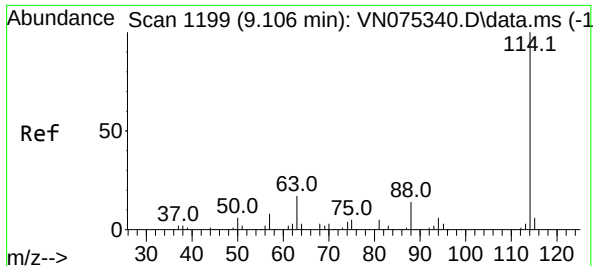
Tgt Ion: 56 Resp: 2340
Ion Ratio Lower Upper
56 100
69 169.9 25.2 37.8#
84 164.2 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 58.170 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 65 Resp: 39811
Ion Ratio Lower Upper
65 100
67 51.2 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: VN075475.D

Acq: 29 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#01

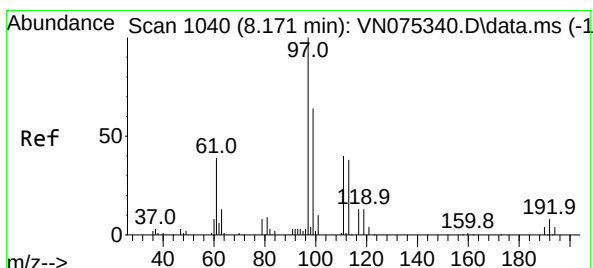
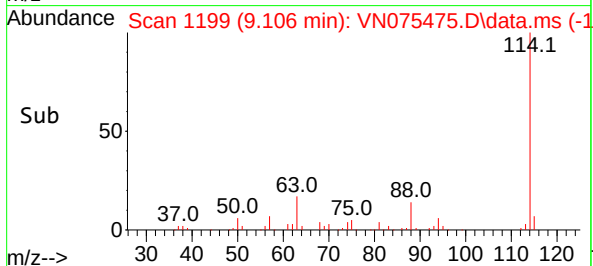
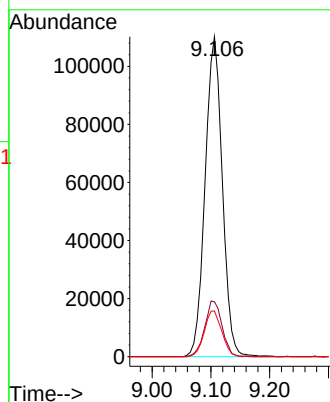
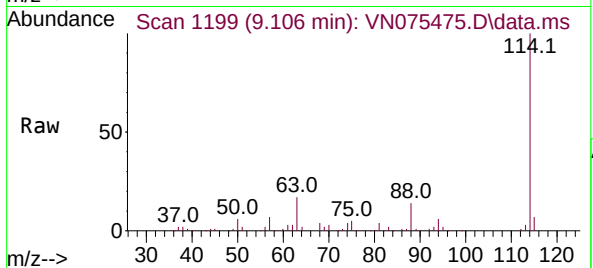
Tgt Ion:114 Resp: 224377

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 55.072 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

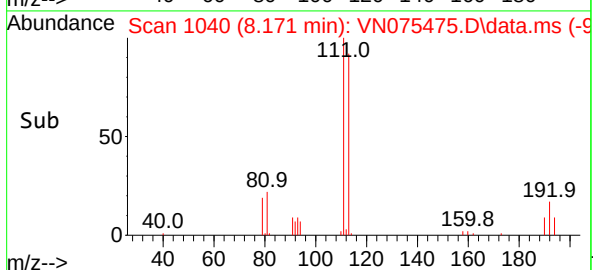
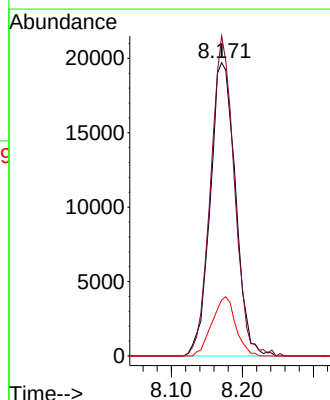
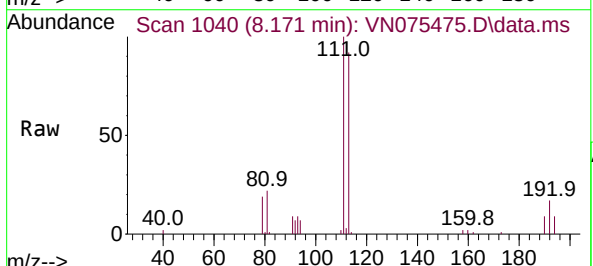
Tgt Ion:113 Resp: 48542

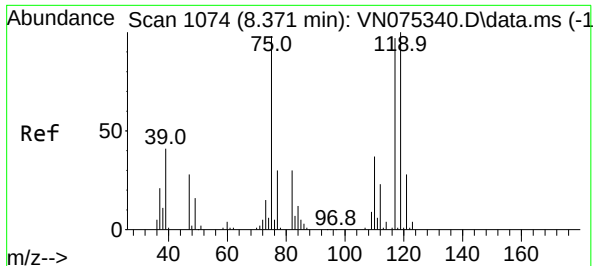
Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 18.9 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#01

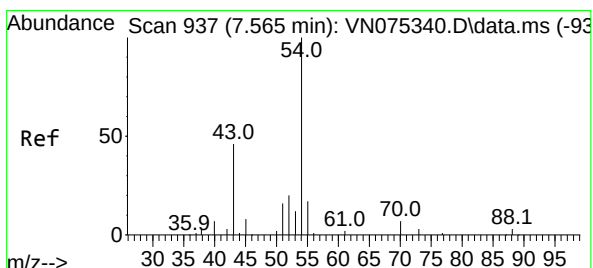
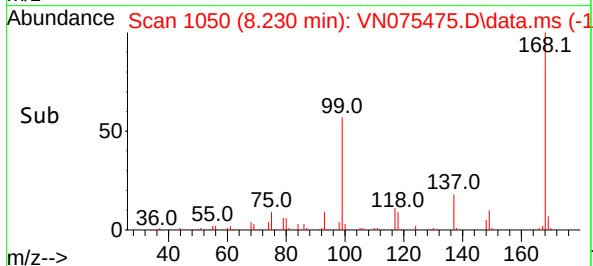
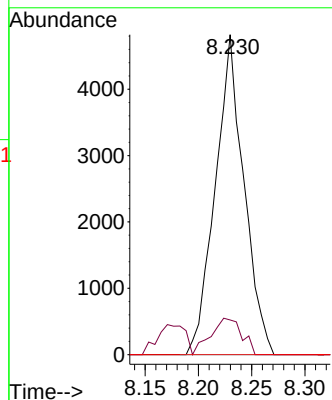
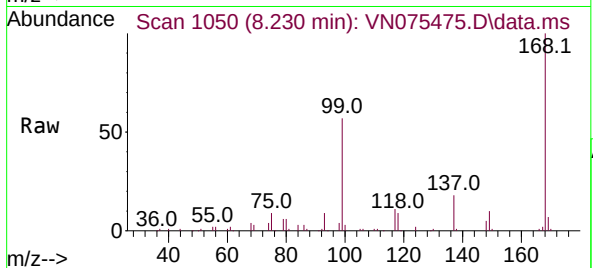
Tgt Ion: 75 Resp: 9002

Ion Ratio Lower Upper

75 100

110 12.4 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.958 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

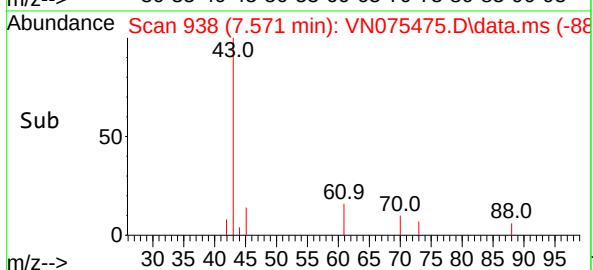
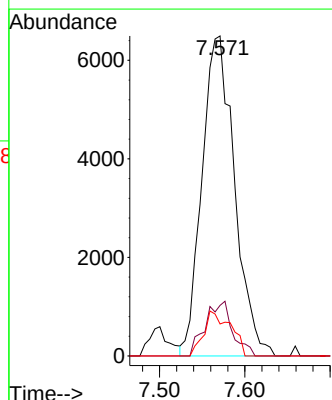
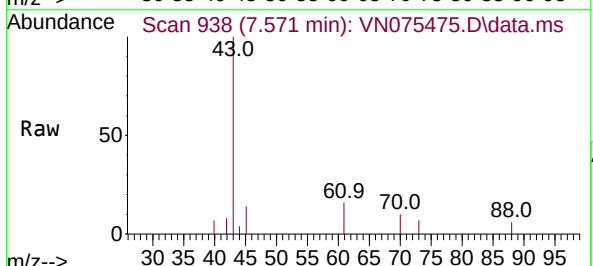
Tgt Ion: 43 Resp: 17235

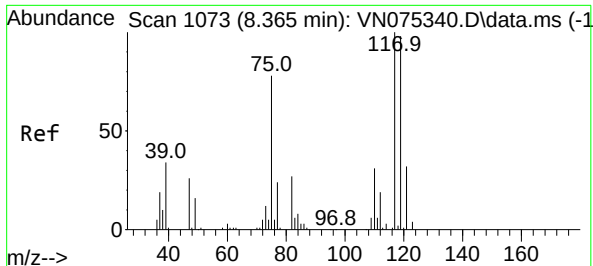
Ion Ratio Lower Upper

43 100

61 14.3 12.2 18.4

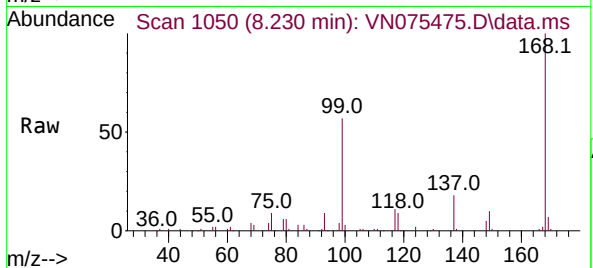
70 11.5 9.4 14.2



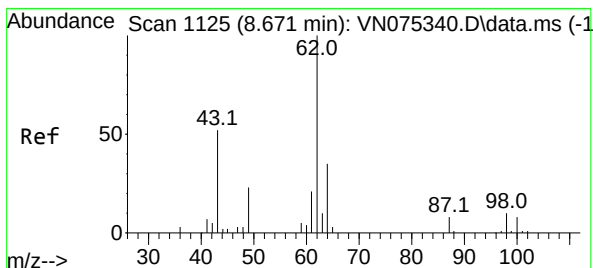
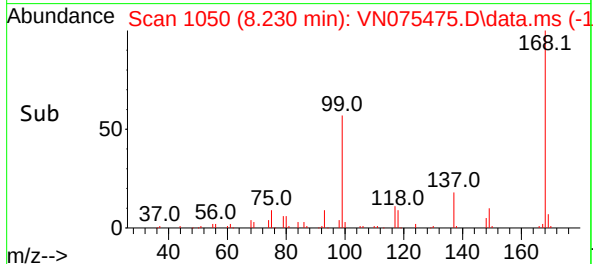
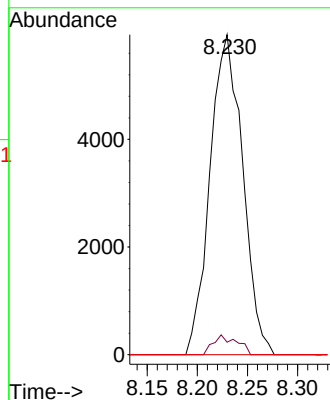


#38
Carbon Tetrachloride
Concen: 6.372 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

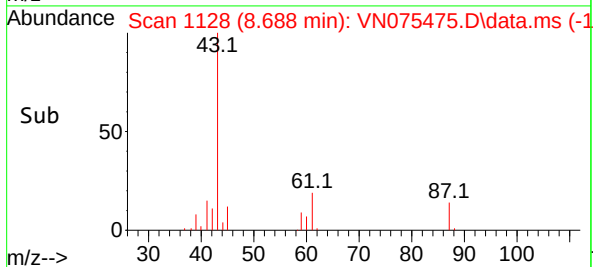
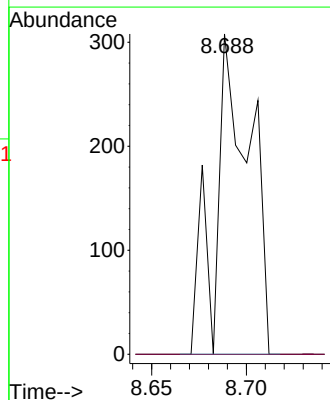
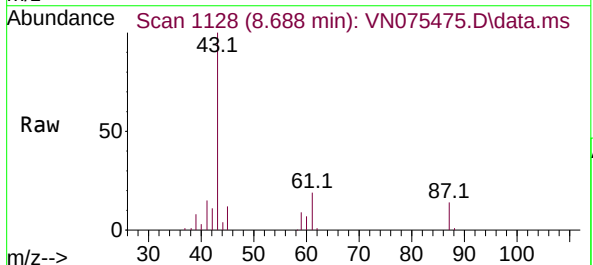


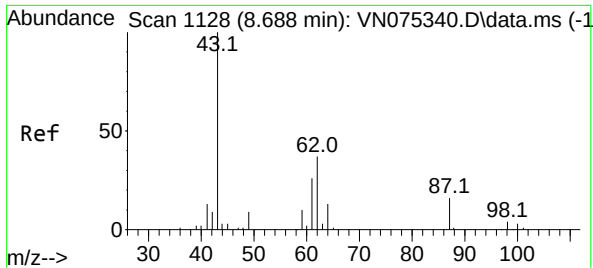
Tgt Ion:117 Resp: 13455
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.200 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 62 Resp: 395
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

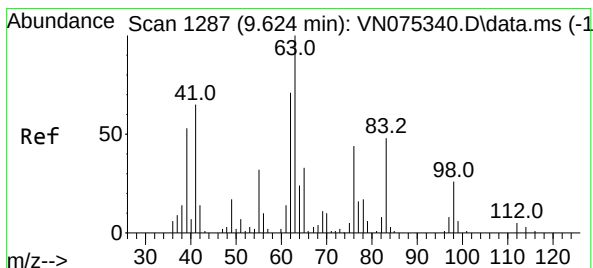
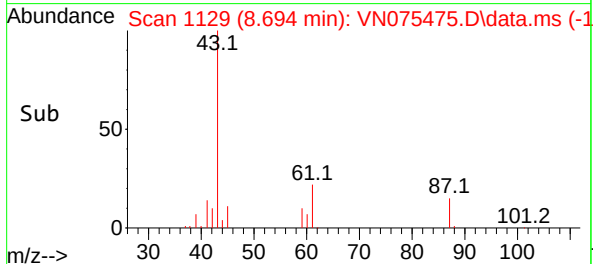
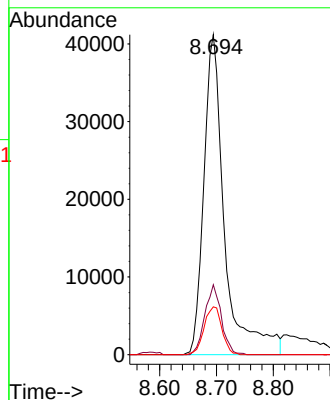
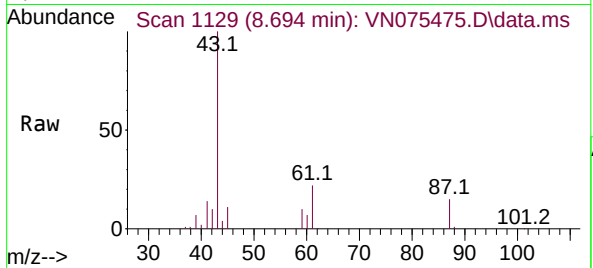




#43
Isopropyl Acetate
Concen: 37.436 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

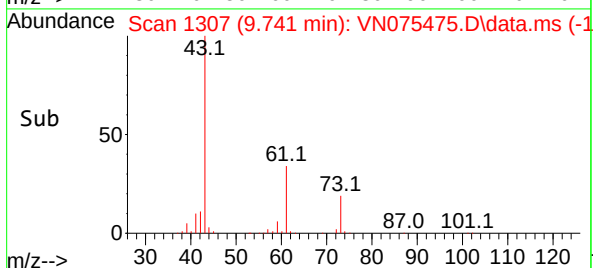
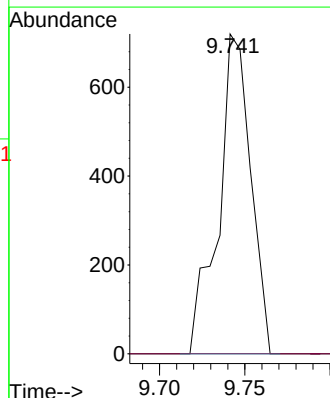
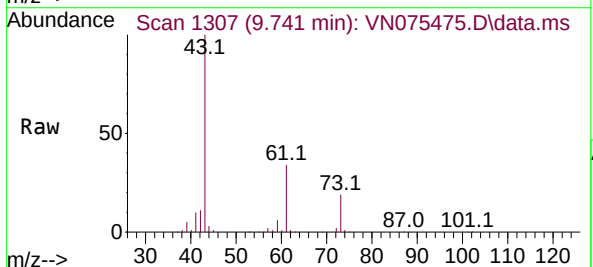
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

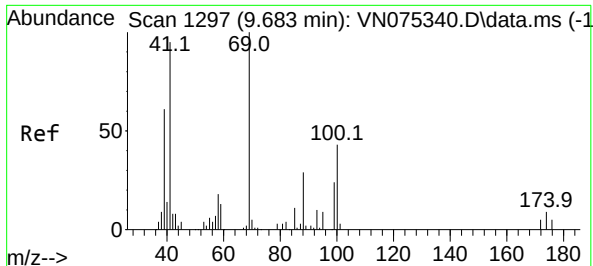
Tgt Ion: 43 Resp: 104002
Ion Ratio Lower Upper
43 100
61 17.4 22.4 33.6#
87 12.9 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.677 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 63 Resp: 950
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 57.691 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.058 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#01

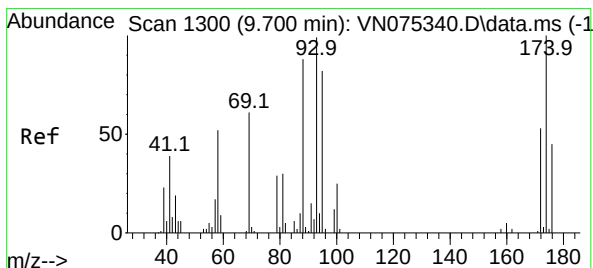
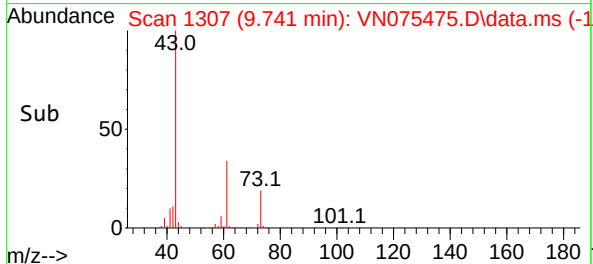
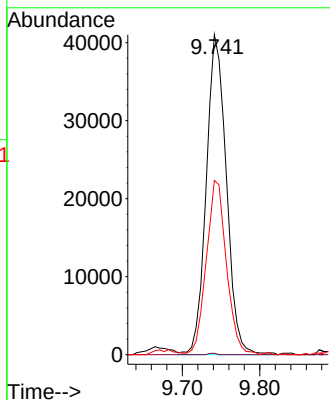
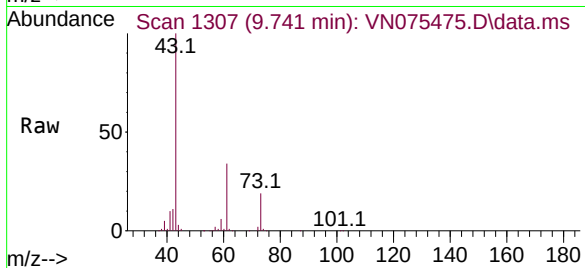
Tgt Ion: 41 Resp: 74110

Ion Ratio Lower Upper

41 100

69 0.2 80.2 120.2#

39 54.5 56.2 84.2#



#49

1,4-Dioxane

Concen: 1.809 ug/l

RT: 9.753 min Scan# 1309

Delta R.T. 0.053 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

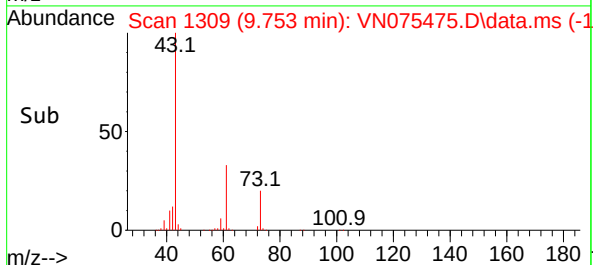
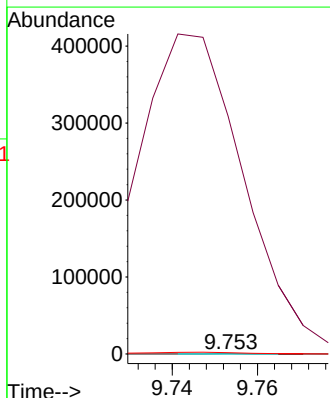
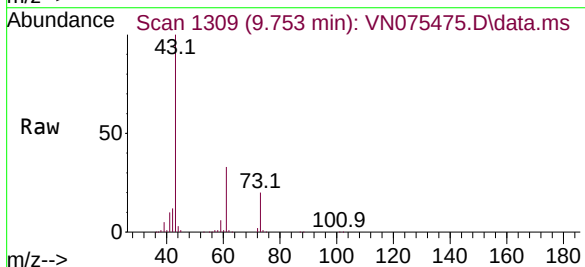
Tgt Ion: 88 Resp: 66

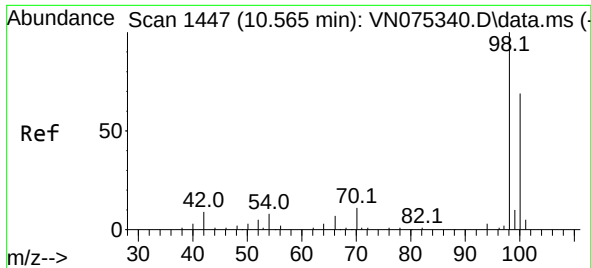
Ion Ratio Lower Upper

88 100

43 1144501.5 17.5 26.3#

58 5975.8 49.8 74.8#

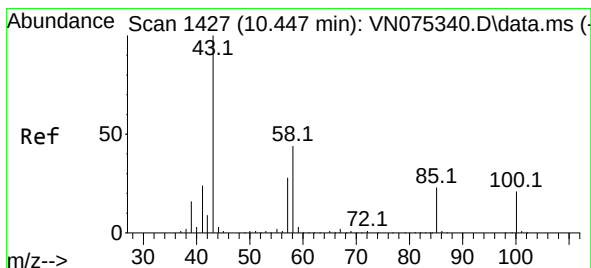
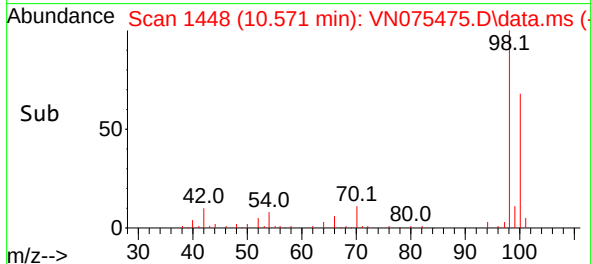
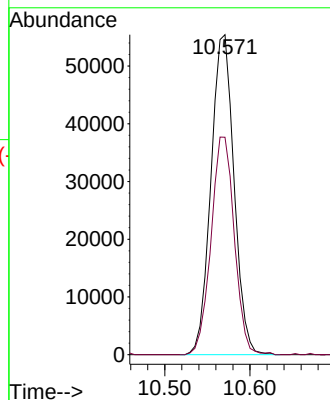
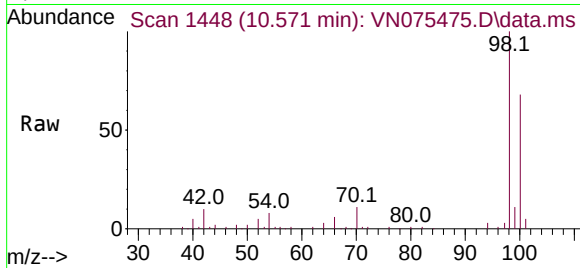




#50
Toluene-d8
Concen: 52.466 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

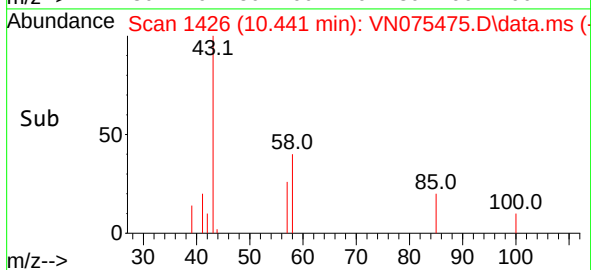
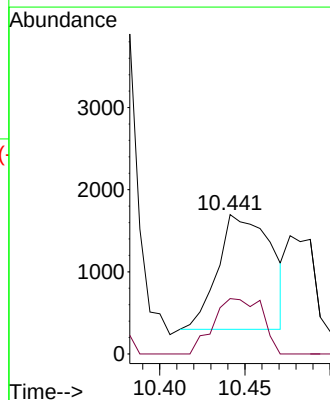
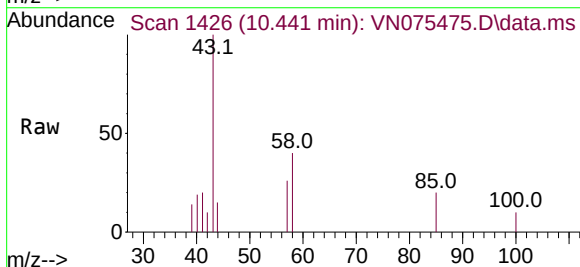
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

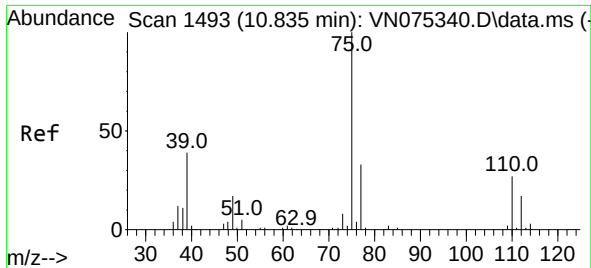
Tgt Ion: 98 Resp: 104156
Ion Ratio Lower Upper
98 100
100 68.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.719 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
58 44.2 33.6 50.4

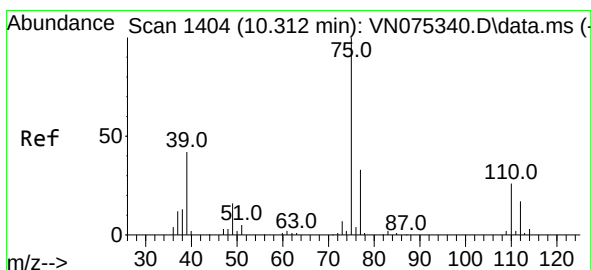
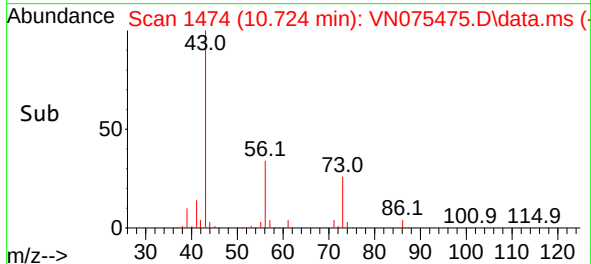
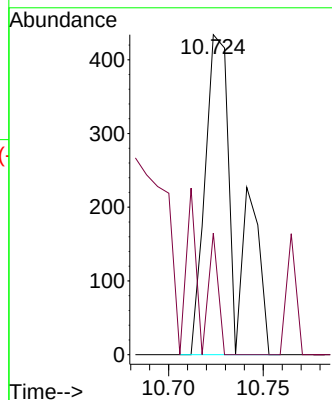
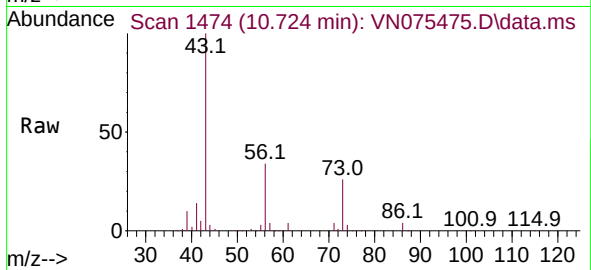




#53
 t-1,3-Dichloropropene
 Concen: 0.244 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.111 min
 Lab File: VN075475.D
 Acq: 29 Nov 2022 14:51

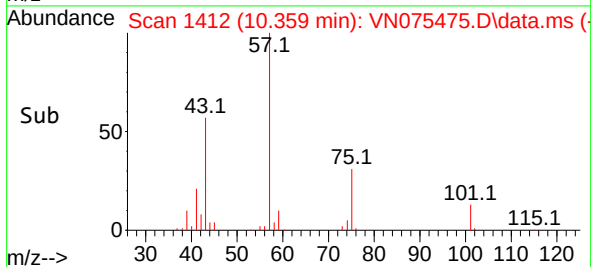
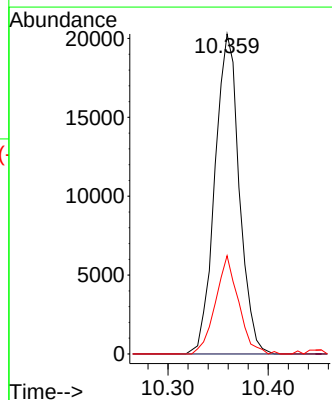
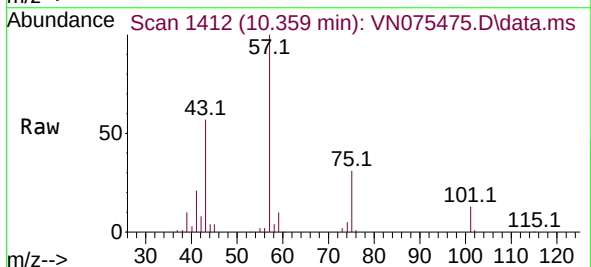
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#01

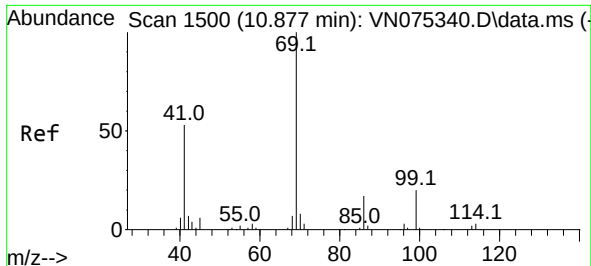
Tgt Ion: 75 Resp: 504
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 15.283 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075475.D
 Acq: 29 Nov 2022 14:51

Tgt Ion: 75 Resp: 34233
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 30.7 35.8 53.6#

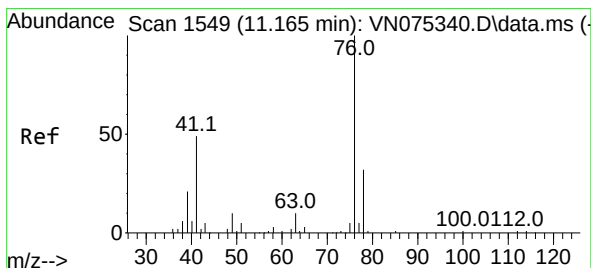
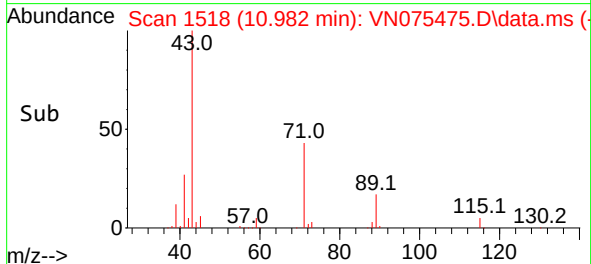
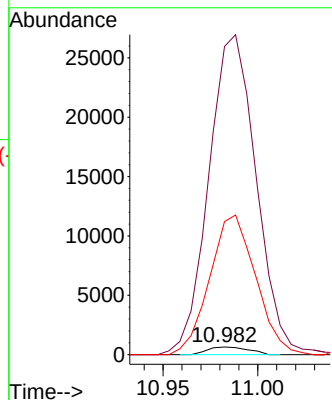
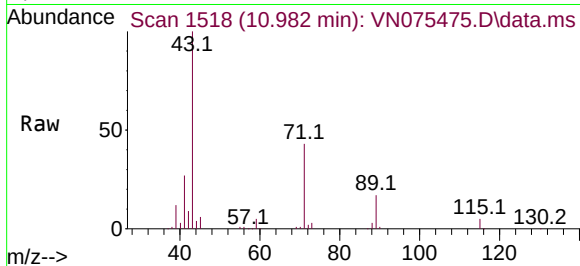




#56
Ethyl methacrylate
Concen: 0.471 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

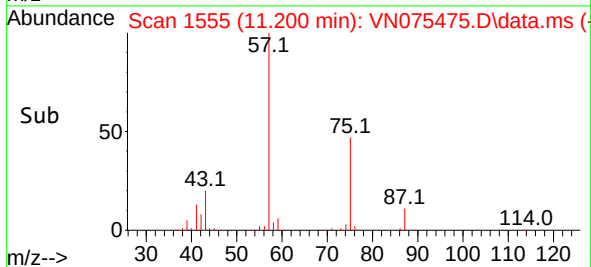
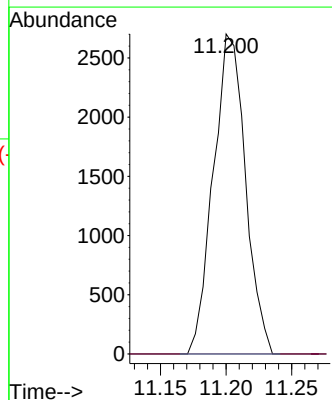
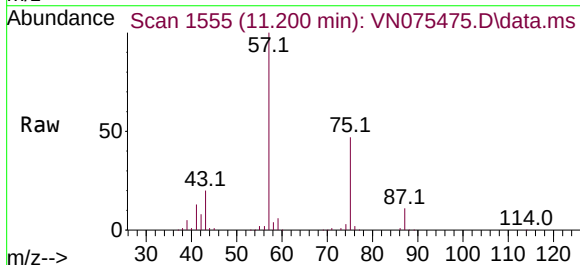
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

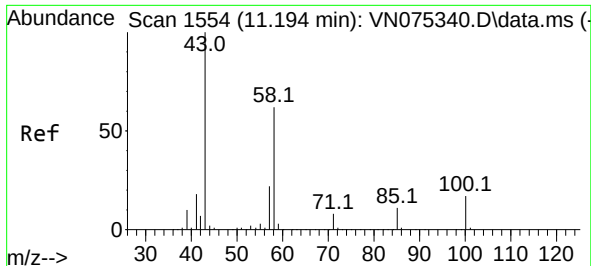
Tgt Ion: 69 Resp: 982
Ion Ratio Lower Upper
69 100
41 4801.0 45.6 68.4#
39 2028.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.830 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 76 Resp: 4609
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

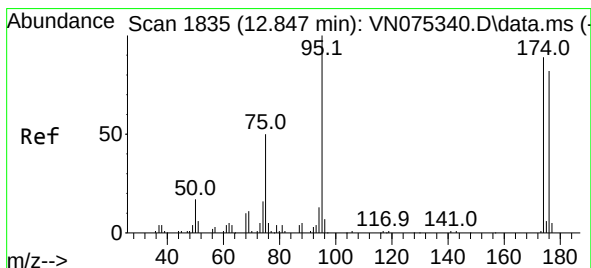
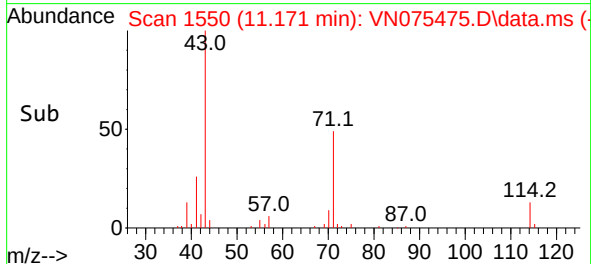
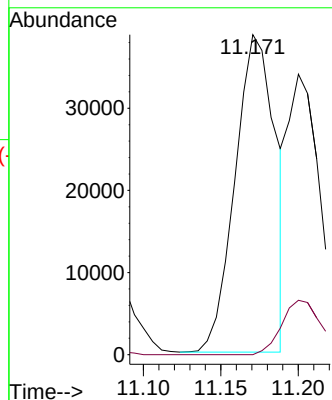
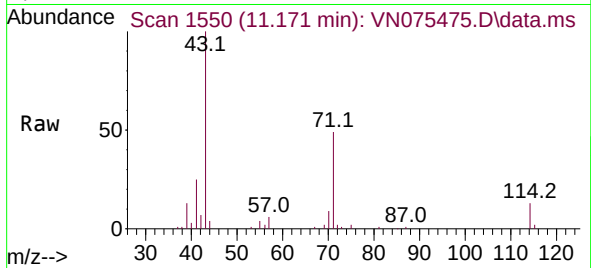




#59
2-Hexanone
Concen: 52.591 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.023 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

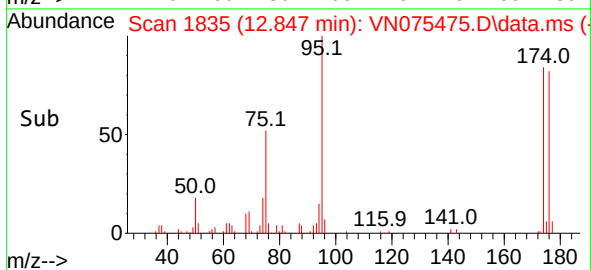
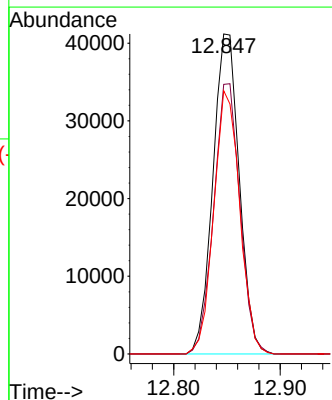
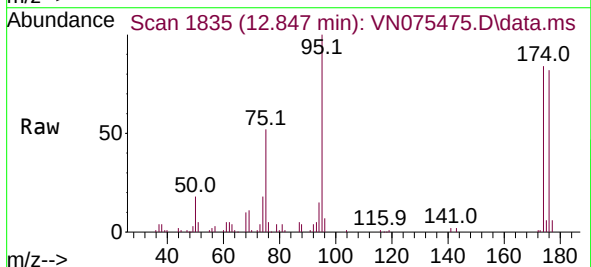
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

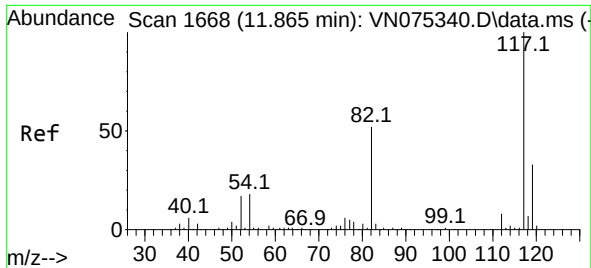
Tgt Ion: 43 Resp: 69877
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.421 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion: 95 Resp: 70951
Ion Ratio Lower Upper
95 100
174 83.7 0.0 147.4
176 80.8 0.0 142.2

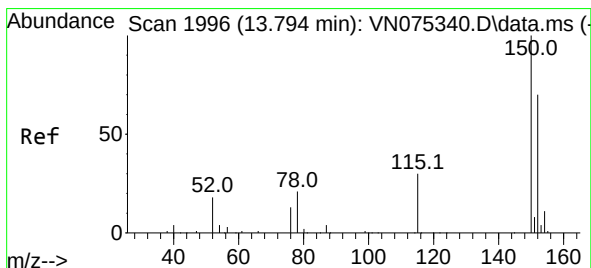
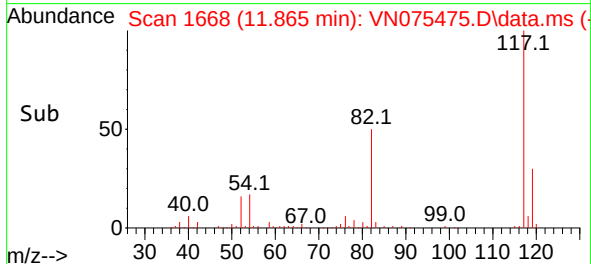
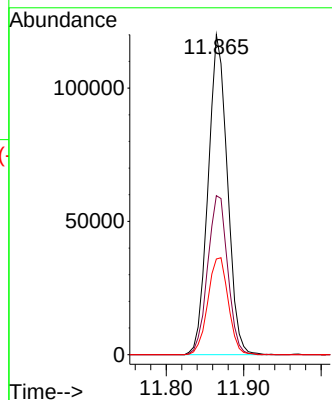
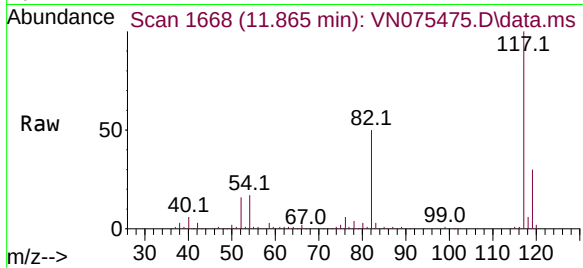




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

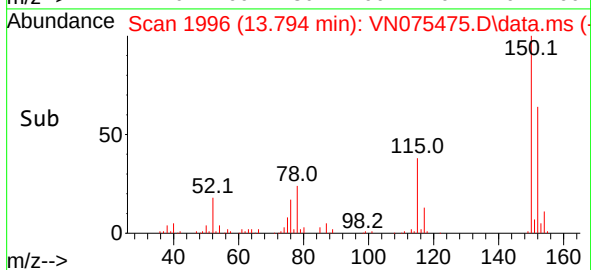
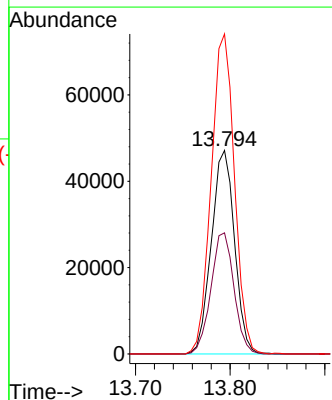
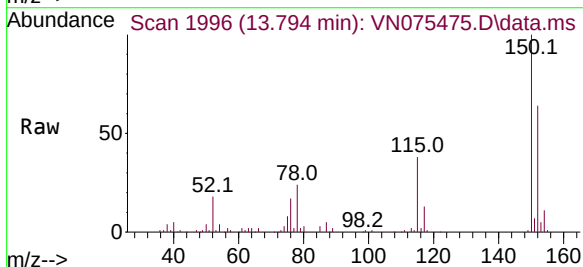
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#01

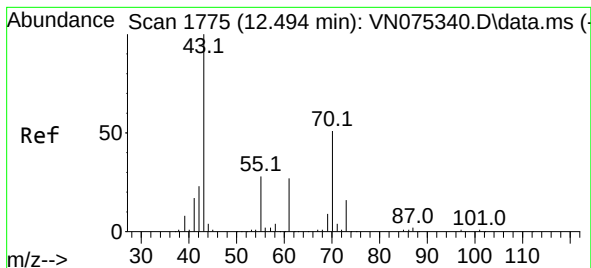
Tgt Ion:117 Resp: 206810
Ion Ratio Lower Upper
117 100
82 49.7 43.1 64.7
119 29.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075475.D
Acq: 29 Nov 2022 14:51

Tgt Ion:152 Resp: 80316
Ion Ratio Lower Upper
152 100
115 59.1 30.2 90.6
150 157.3 0.0 348.4





#74

N-amy1 acetate

Concen: 0.384 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN075475.D

Acq: 29 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#01

Tgt Ion: 43 Resp: 692

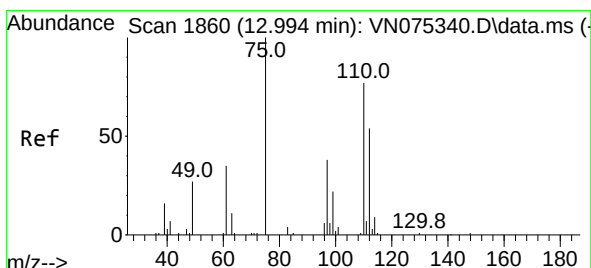
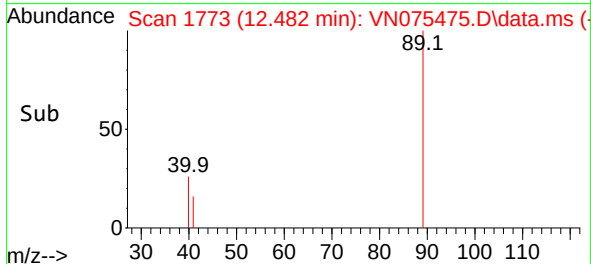
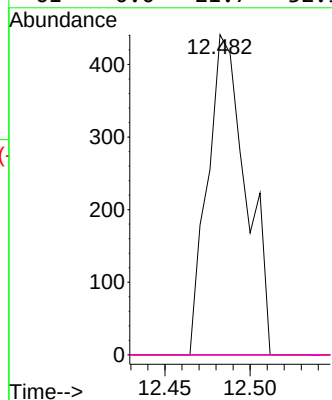
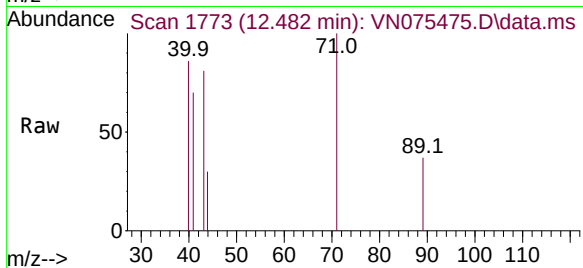
Ion Ratio Lower Upper

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: 23.978 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075475.D

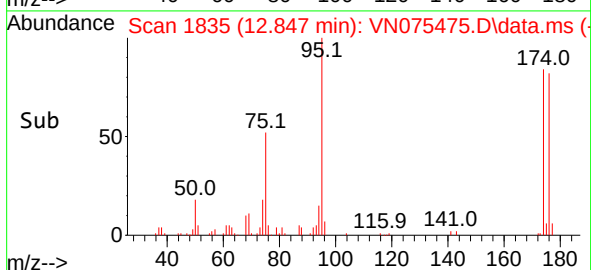
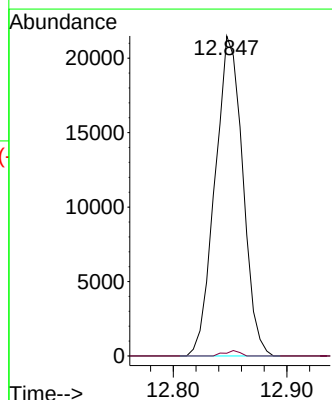
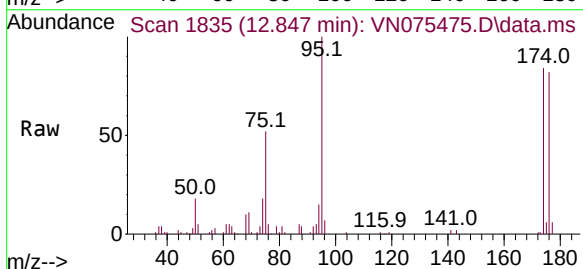
Acq: 29 Nov 2022 14:51

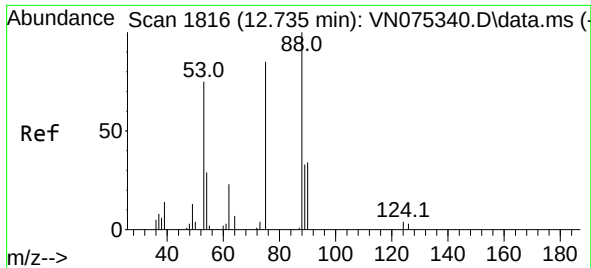
Tgt Ion: 75 Resp: 36412

Ion Ratio Lower Upper

75 100

77 0.9 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.945 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075475.D
 Acq: 29 Nov 2022 14:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#01

Tgt Ion: 75 Resp: 36412
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

