

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033480.D
 Acq On : 19 Dec 2022 13:36
 Operator : JC/MD
 Sample : PB149705ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:00:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

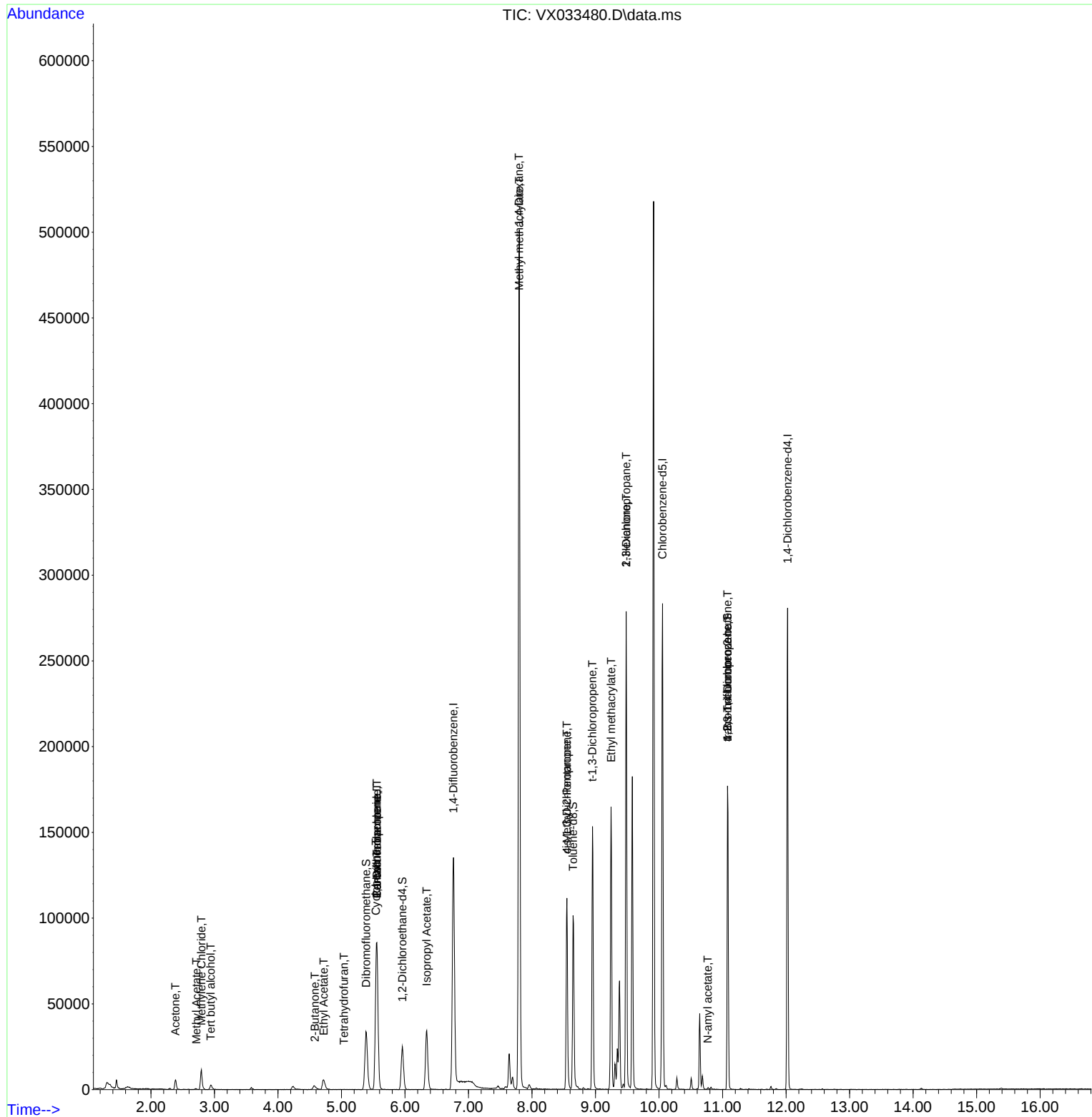
Internal Standards						
1) Pentafluorobenzene	5.556	168	89269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	142550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	23589	41.190	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.380%		
35) Dibromofluoromethane	5.385	113	29302	45.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.400%		
50) Toluene-d8	8.647	98	62343	46.480	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.960%		
62) 4-Bromofluorobenzene	11.079	95	44773	43.657	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.320%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	2340	13.365	ug/l #	72
16) Acetone	2.386	43	6591	15.553	ug/l	91
18) Methyl Acetate	2.715	43	847	0.690	ug/l	91
20) Methylene Chloride	2.794	84	5646	5.974	ug/l	87
25) 2-Butanone	4.580	43	3585	5.894	ug/l #	86
29) Tetrahydrofuran	5.038	42	82	0.208	ug/l #	31
31) Cyclohexane	5.544	56	1566	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6092	4.873	ug/l #	48
37) Ethyl Acetate	4.721	43	10625	8.992	ug/l	100
38) Carbon Tetrachloride	5.556	117	8477	6.053	ug/l #	17
43) Isopropyl Acetate	6.342	43	46172	24.285	ug/l	98
48) Methyl methacrylate	7.799	41	42011	42.813	ug/l #	44
49) 1,4-Dioxane	7.793	88	22	0.983	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	36524	30.377	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	305	2.700	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	18444	12.522	ug/l #	59
56) Ethyl methacrylate	9.244	69	440	0.315	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2583	1.623	ug/l #	42
59) 2-Hexanone	9.482	43	29663	33.478	ug/l #	54
74) N-amyl acetate	10.768	43	665	0.461	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	22548	18.982	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	22548	59.048	ug/l #	6

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

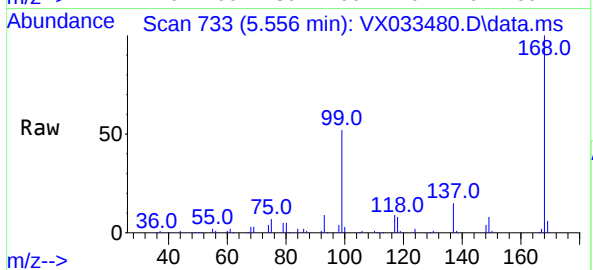
Quant Time: Dec 20 05:00:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



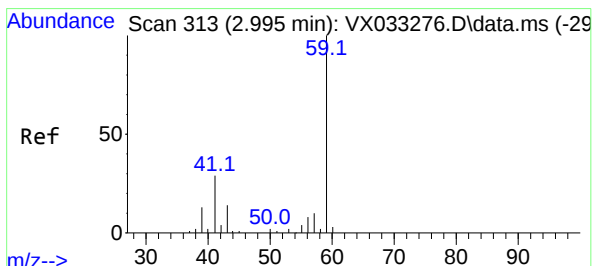
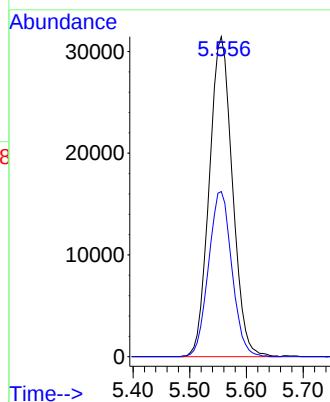
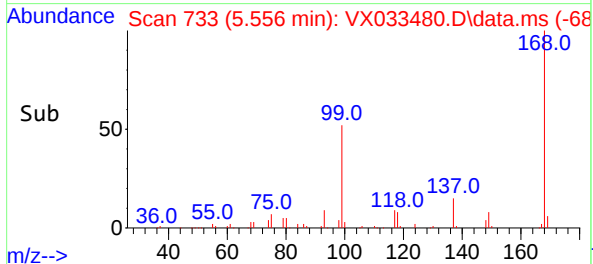


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :

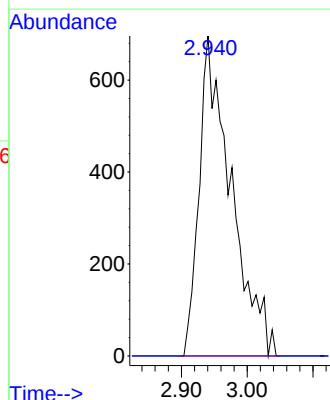
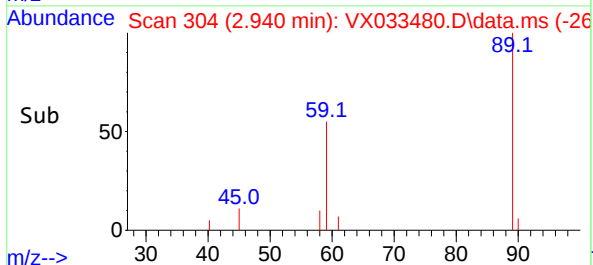
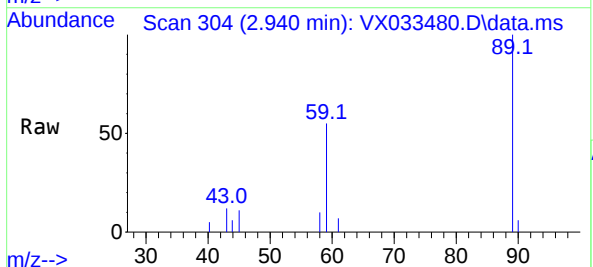


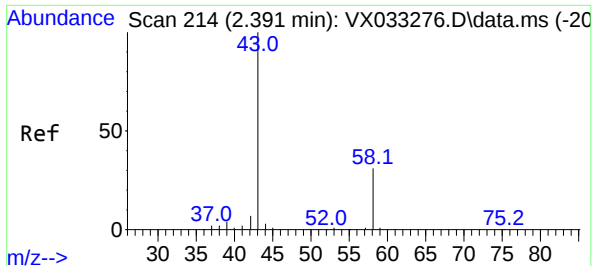
Tgt Ion:168 Resp: 89269
Ion Ratio Lower Upper
168 100
99 51.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 13.365 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Tgt Ion: 59 Resp: 2340
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

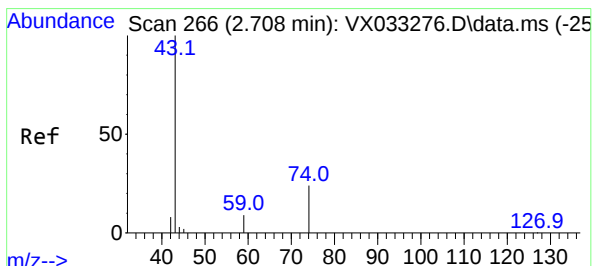
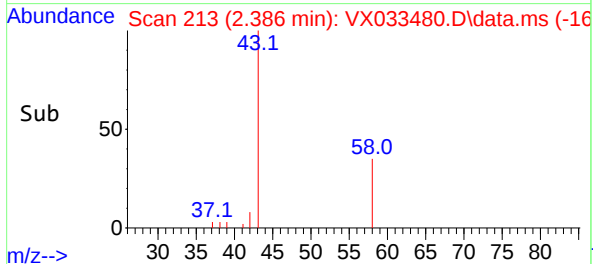
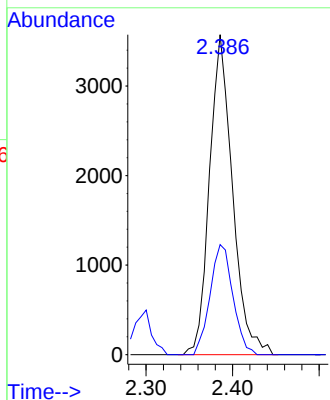
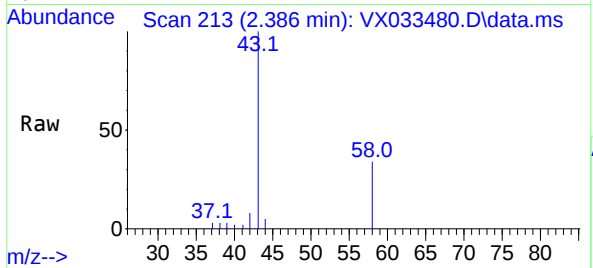




#16
Acetone
Concen: 15.553 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

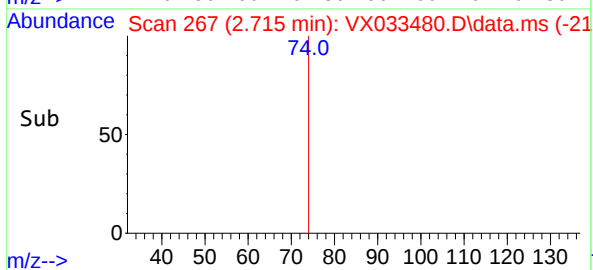
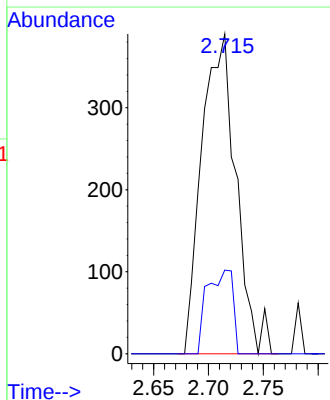
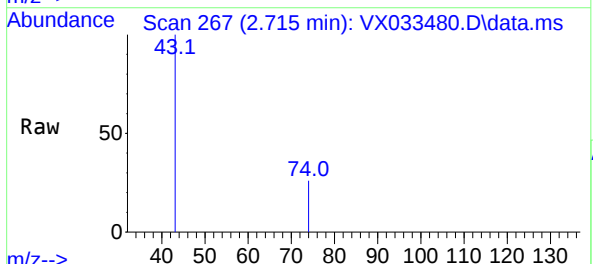
Instrument :
MSVOA_X
ClientSampleId :

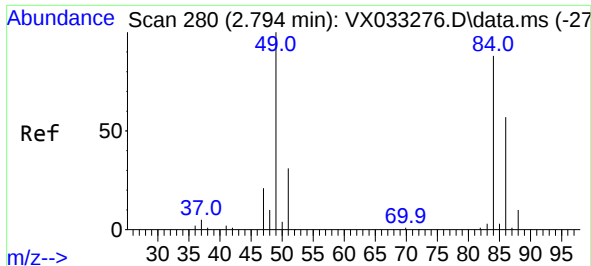
Tgt Ion: 43 Resp: 6591
Ion Ratio Lower Upper
43 100
58 34.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

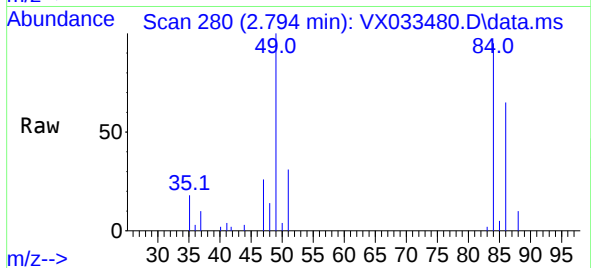
Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.0





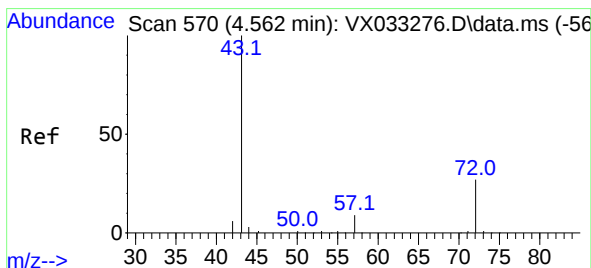
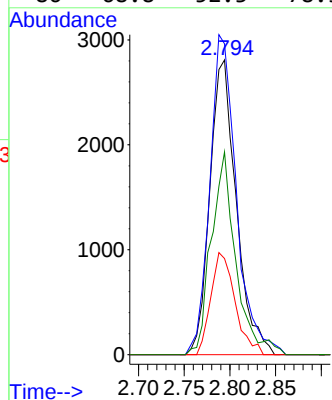
#20
Methylene Chloride
Concen: 5.974 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5646

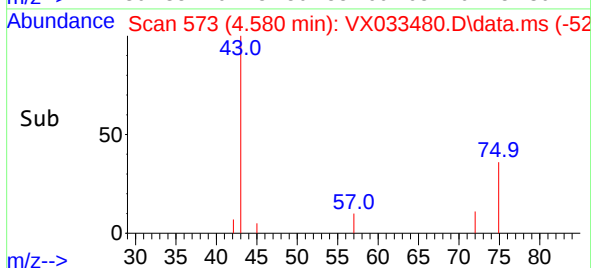
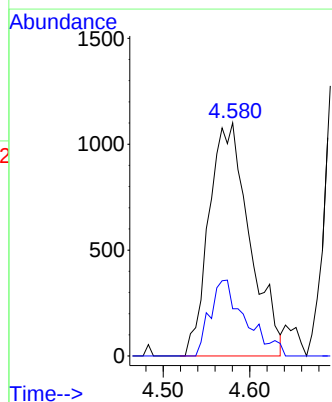
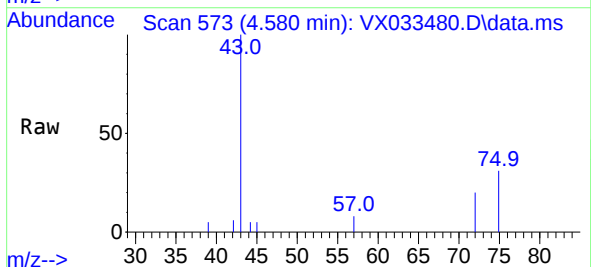
Ion	Ratio	Lower	Upper
84	100		
49	105.5	101.0	151.6
51	32.6	31.1	46.7
86	68.8	52.3	78.5

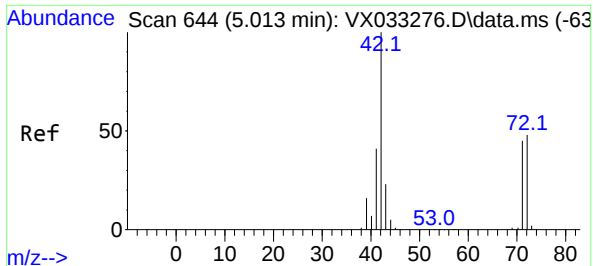


#25
2-Butanone
Concen: 5.894 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Tgt Ion: 43 Resp: 3585

Ion	Ratio	Lower	Upper
43	100		
72	20.3	22.2	33.2#





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

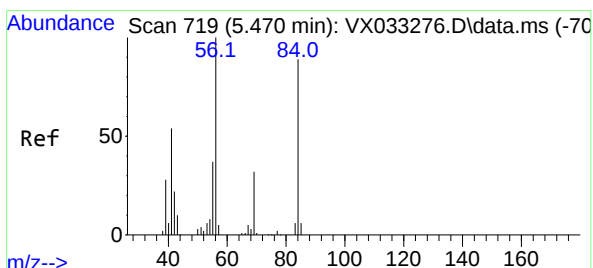
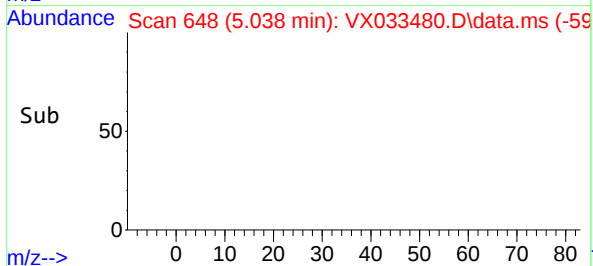
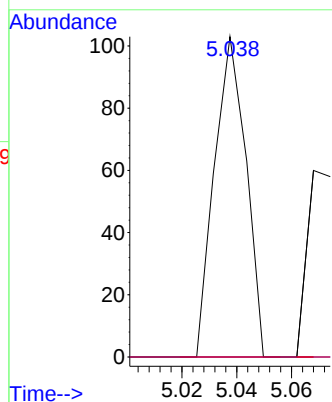
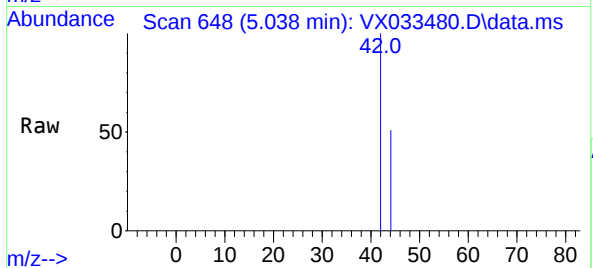
Tgt Ion: 42 Resp: 82

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

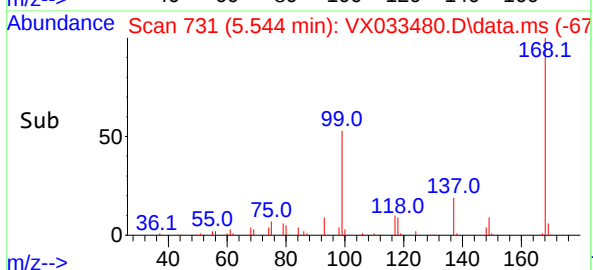
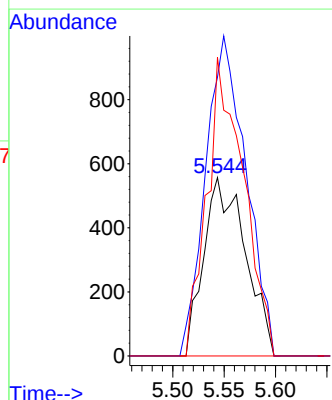
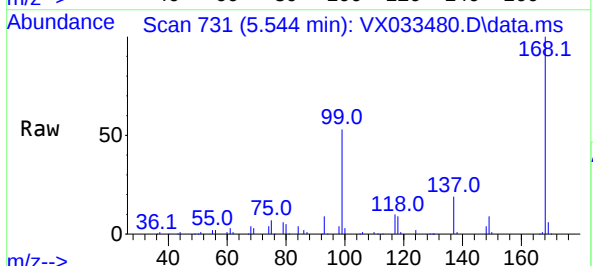
Tgt Ion: 56 Resp: 1566

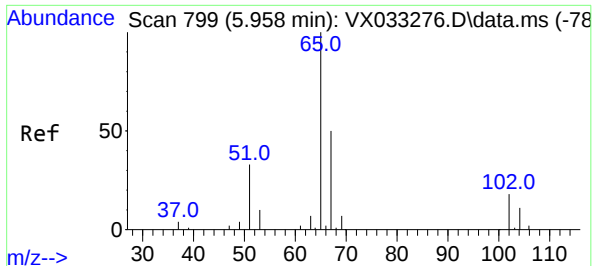
Ion Ratio Lower Upper

56 100

69 156.2 24.1 36.1#

84 167.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 41.190 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

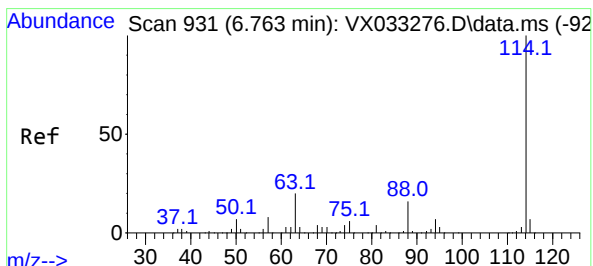
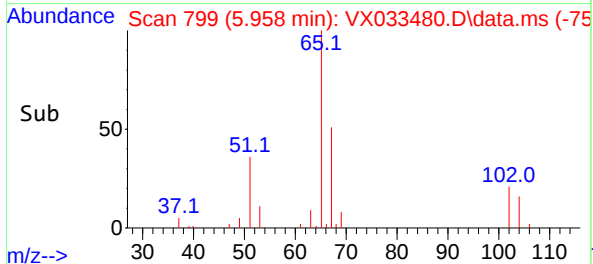
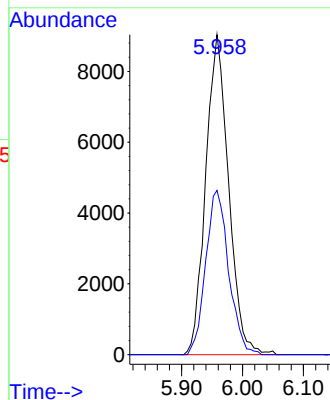
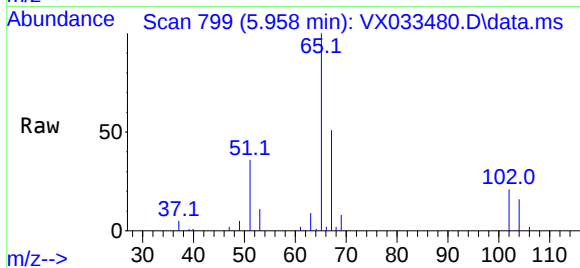
ClientSampleId :

Tgt Ion: 65 Resp: 23589

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

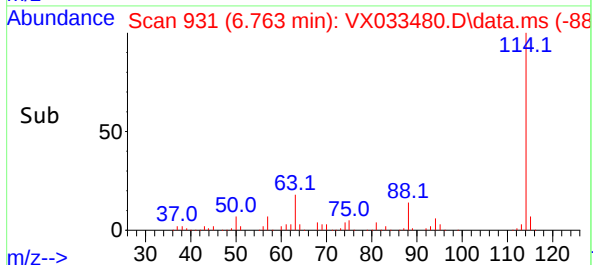
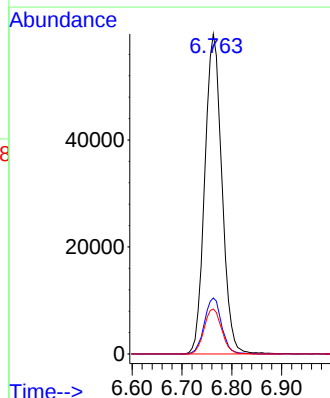
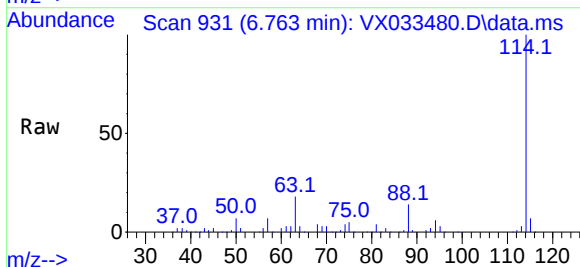
Tgt Ion: 114 Resp: 142550

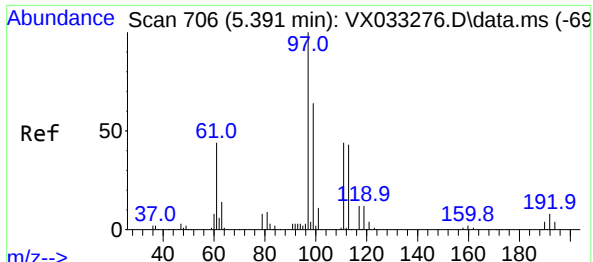
Ion Ratio Lower Upper

114 100

63 17.5 0.0 41.6

88 14.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.701 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

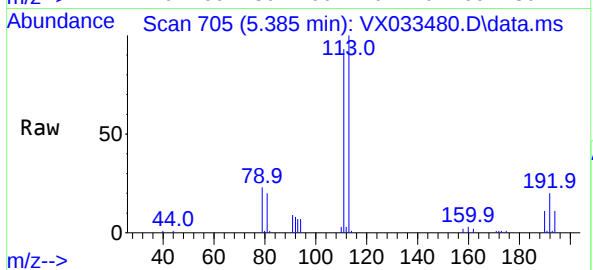
Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :



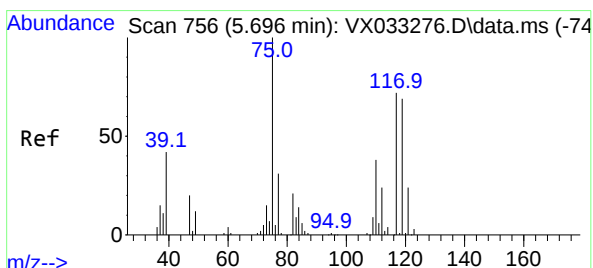
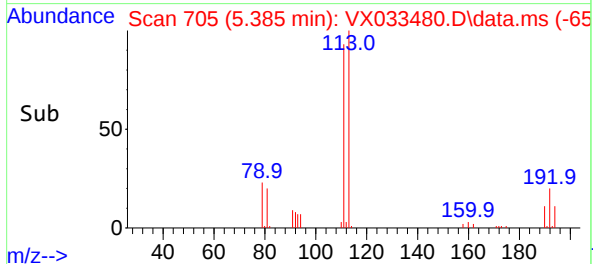
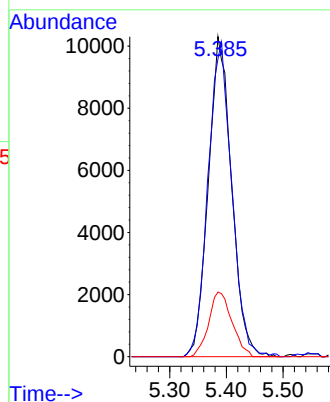
Tgt Ion:113 Resp: 29302

Ion Ratio Lower Upper

113 100

111 100.5 82.4 123.6

192 20.3 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.873 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

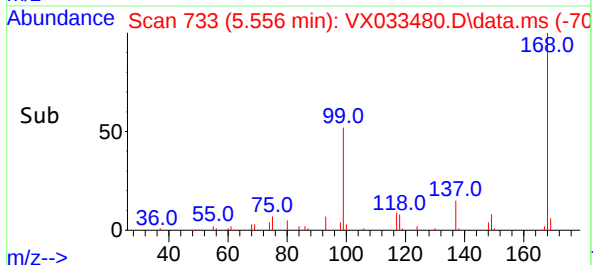
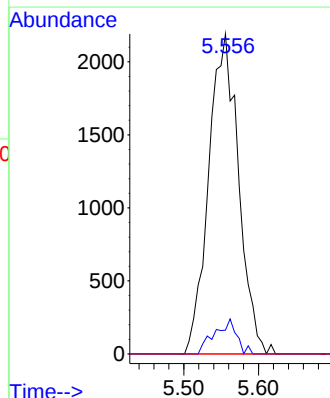
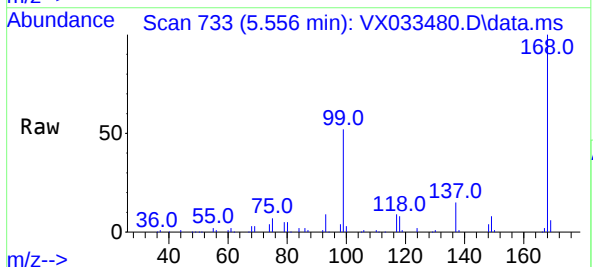
Tgt Ion: 75 Resp: 6092

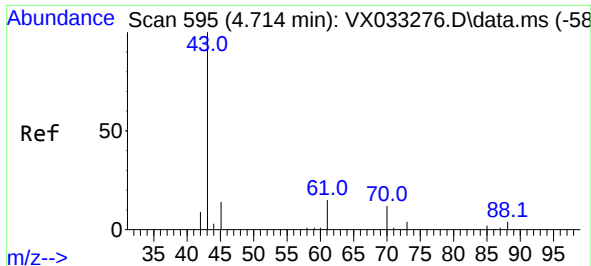
Ion Ratio Lower Upper

75 100

110 8.0 18.4 55.2#

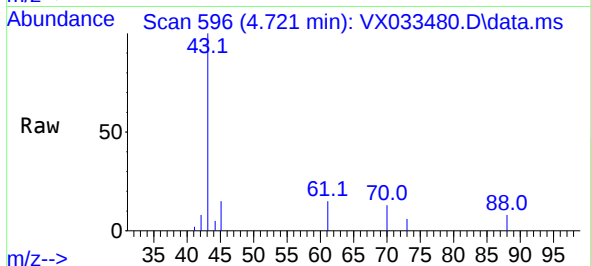
77 0.0 24.5 36.7#



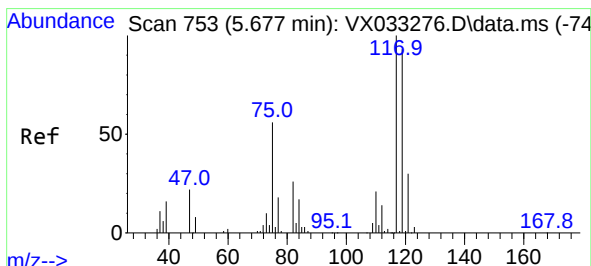
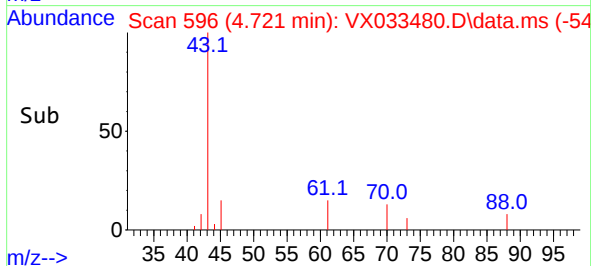
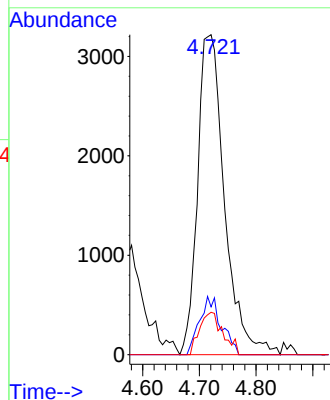


#37
Ethyl Acetate
Concen: 8.992 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :

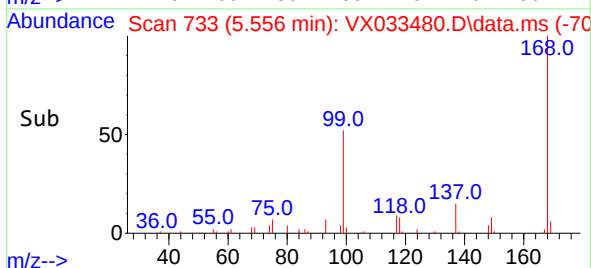
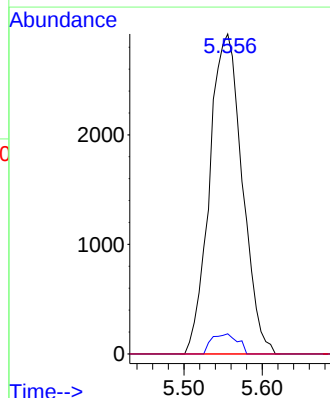
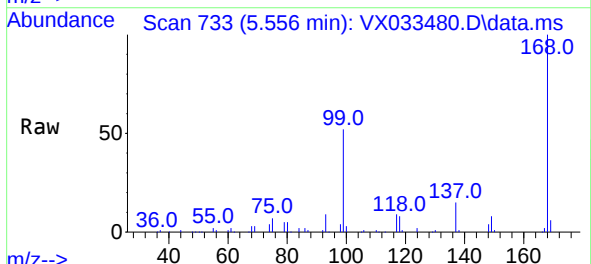


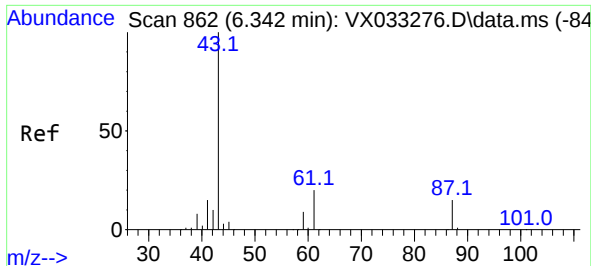
Tgt Ion: 43 Resp: 10625
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.4 9.1 13.7



#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

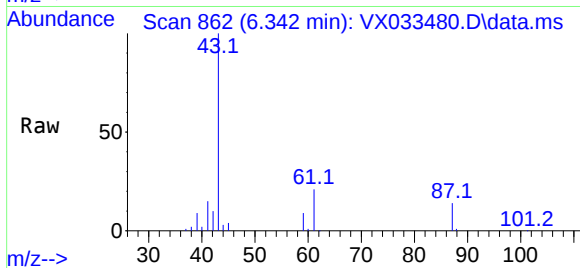
Tgt Ion: 117 Resp: 8477
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 25.8 38.6#



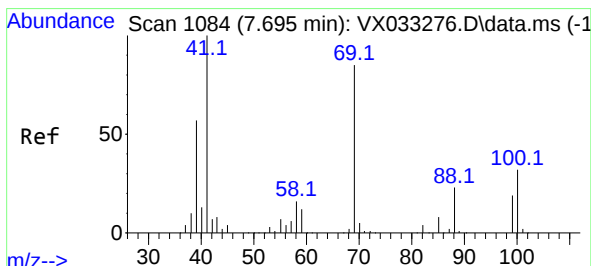
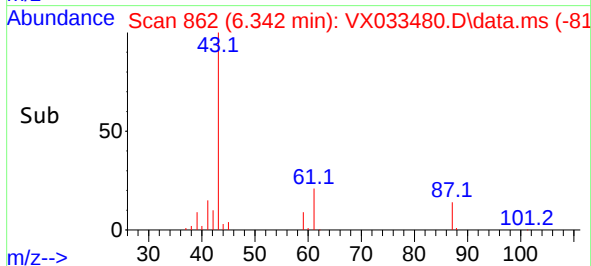
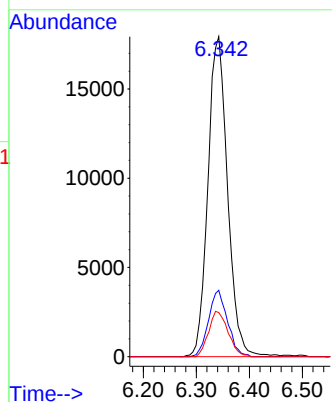


#43
Isopropyl Acetate
Concen: 24.285 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :

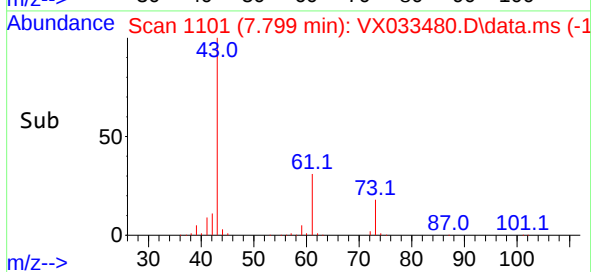
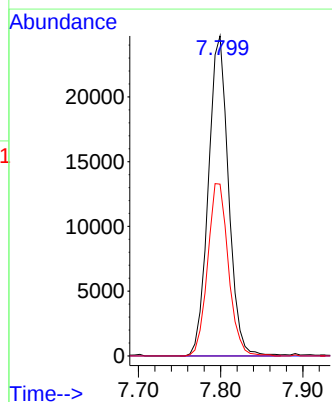
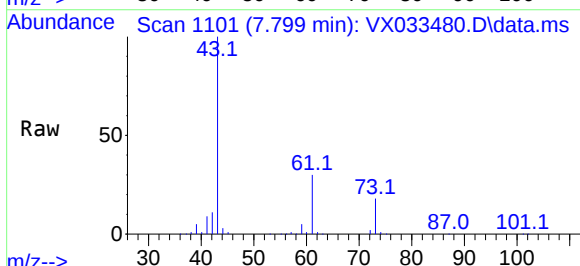


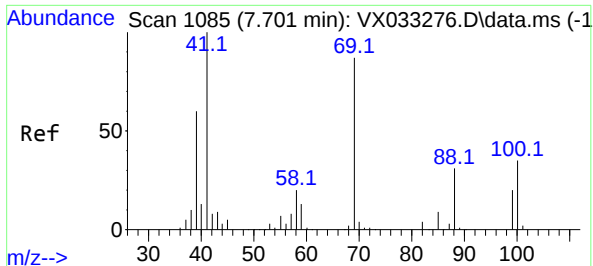
Tgt Ion: 43 Resp: 46172
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 14.0 10.8 16.2



#48
Methyl methacrylate
Concen: 42.813 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Tgt Ion: 41 Resp: 42011
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 55.6 51.9 77.9

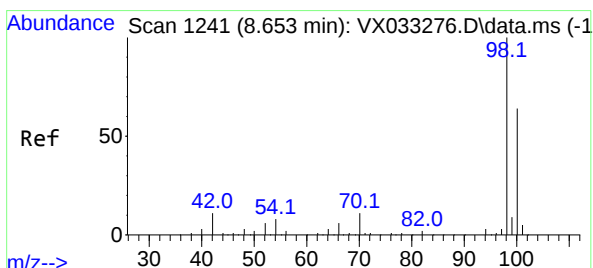
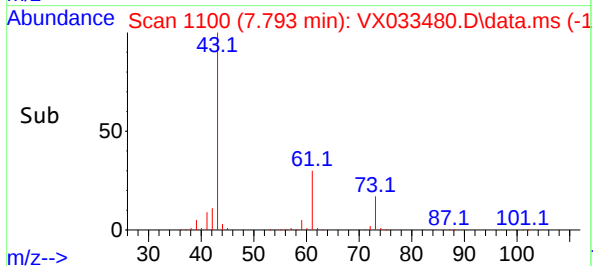
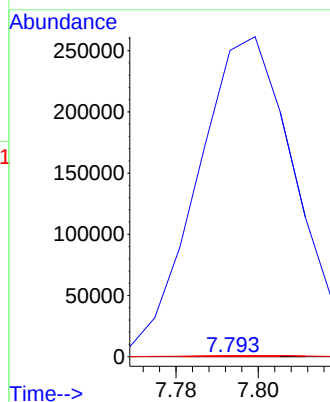
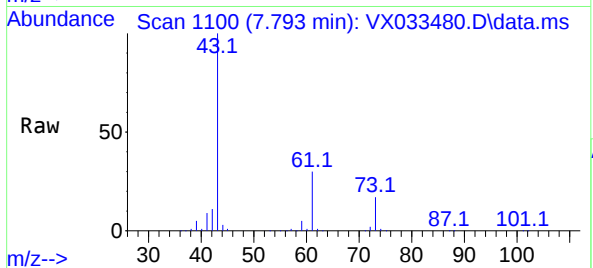




#49
1,4-Dioxane
Concen: 0.983 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.092 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

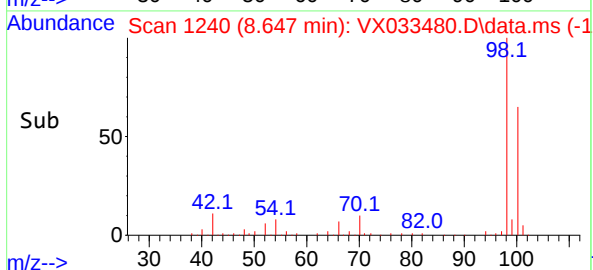
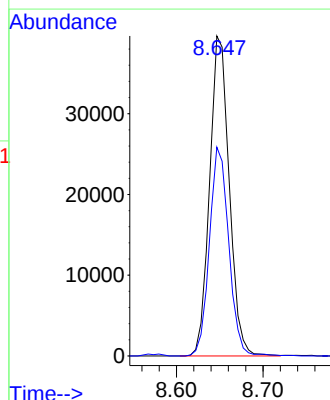
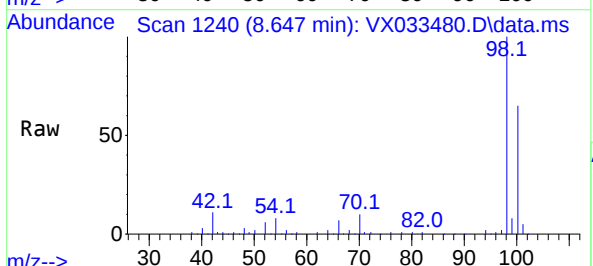
Instrument :
MSVOA_X
ClientSampleId :

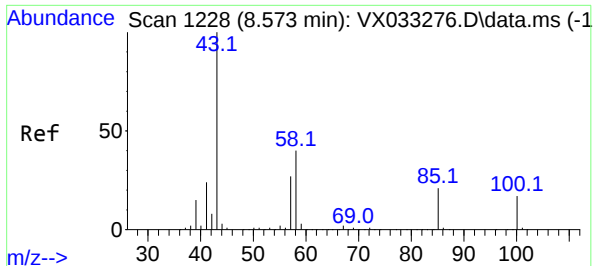
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 2021777.3 26.6 39.8#
58 8886.4 51.7 77.5#



#50
Toluene-d8
Concen: 46.480 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Tgt Ion: 98 Resp: 62343
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 30.377 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

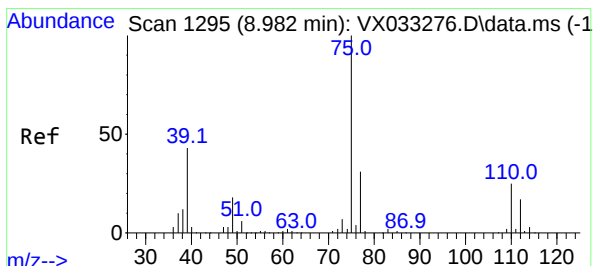
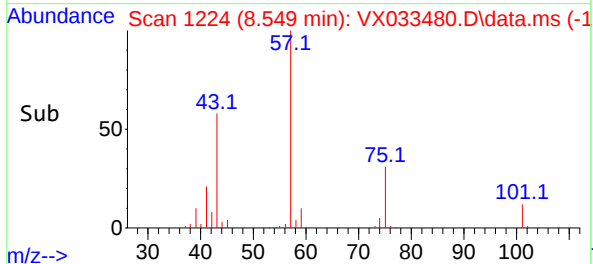
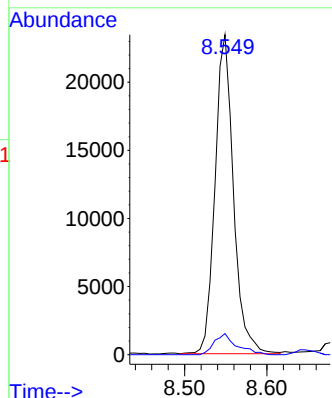
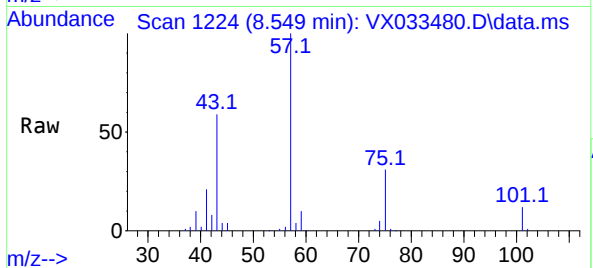
ClientSampleId :

Tgt Ion: 43 Resp: 36524

Ion Ratio Lower Upper

43 100

58 8.0 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 2.700 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX033480.D

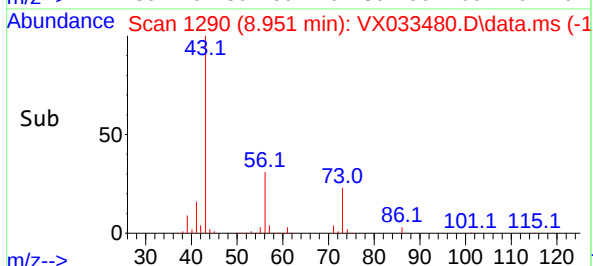
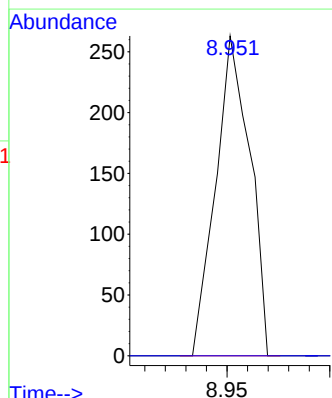
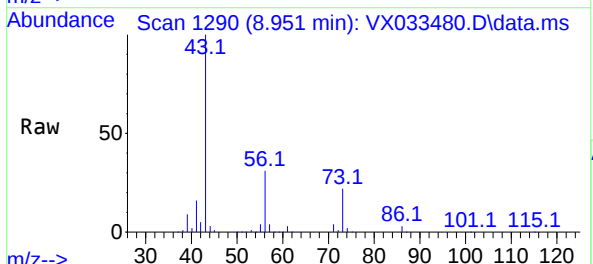
Acq: 19 Dec 2022 13:36

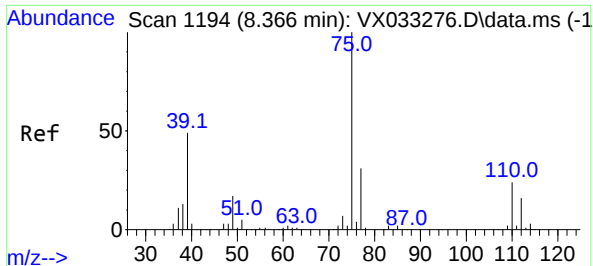
Tgt Ion: 75 Resp: 305

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 12.522 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

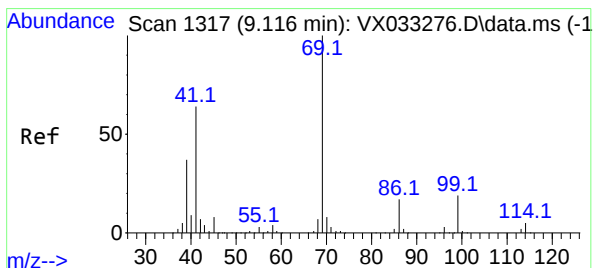
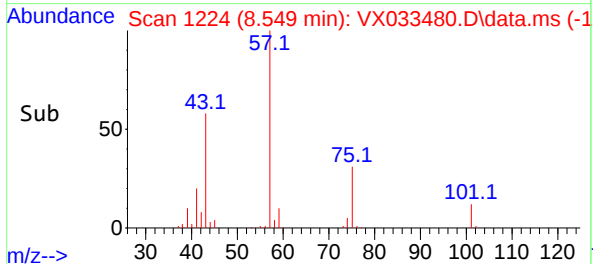
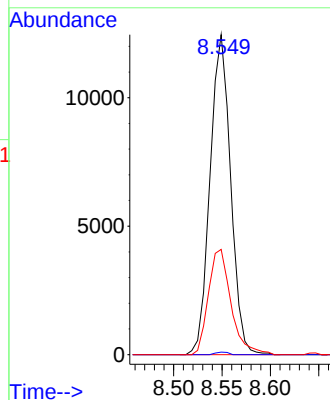
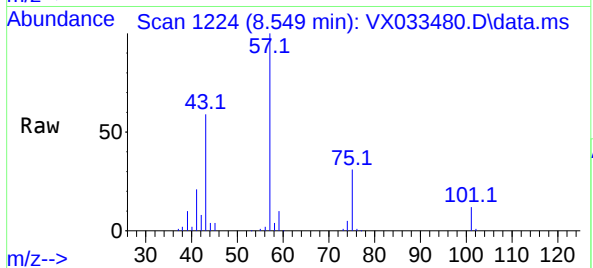
Tgt Ion: 75 Resp: 18444

Ion Ratio Lower Upper

75 100

77 0.8 25.1 37.7#

39 32.9 45.5 68.3#



#56

Ethyl methacrylate

Concen: 0.315 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

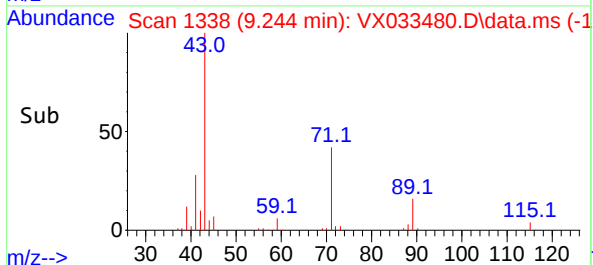
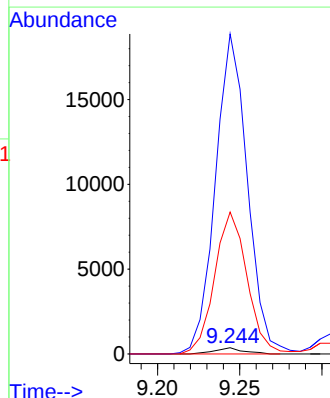
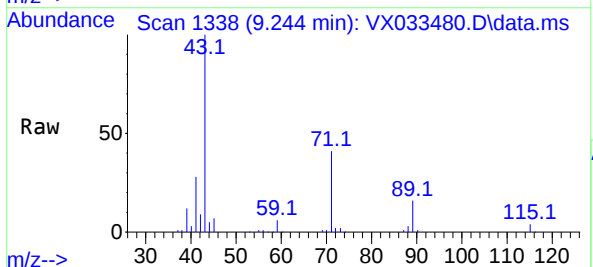
Tgt Ion: 69 Resp: 440

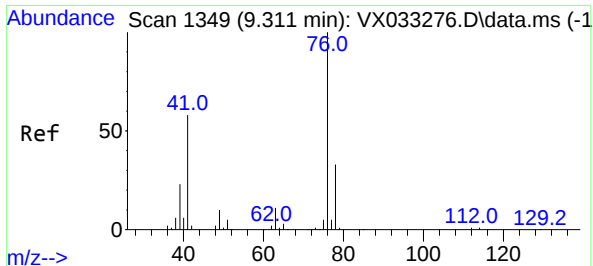
Ion Ratio Lower Upper

69 100

41 5819.3 54.3 81.5#

39 2617.3 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.623 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033480.D

Acq: 19 Dec 2022 13:36

Instrument :

MSVOA_X

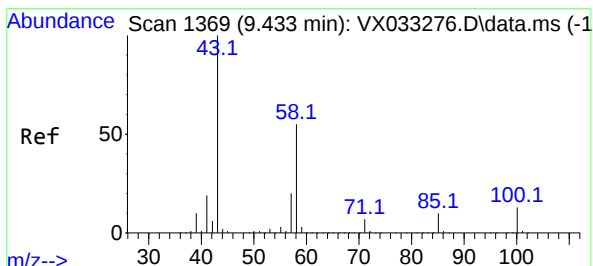
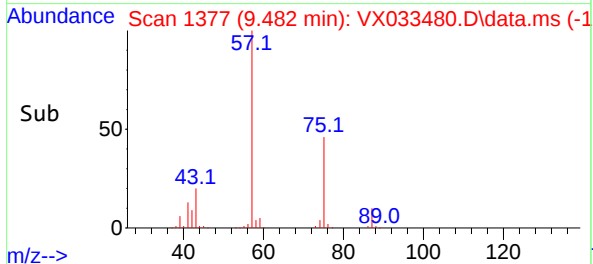
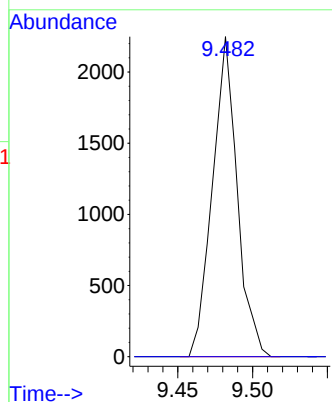
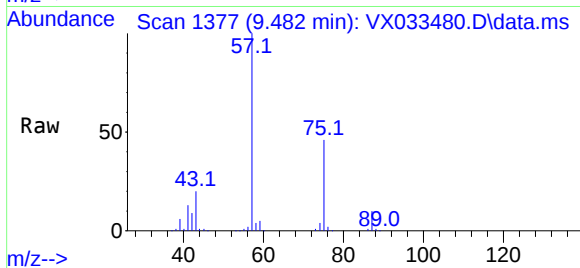
ClientSampleId :

Tgt Ion: 76 Resp: 2583

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 33.478 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033480.D

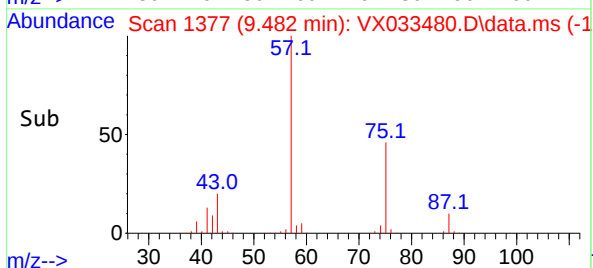
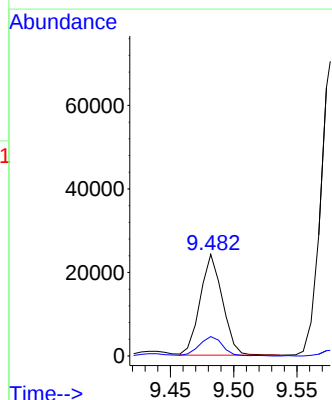
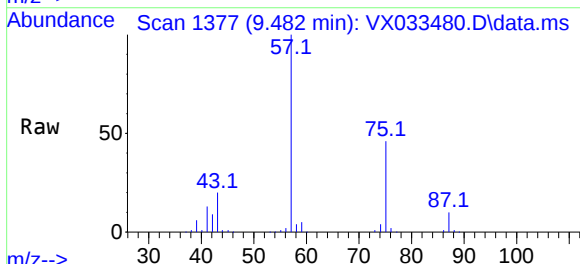
Acq: 19 Dec 2022 13:36

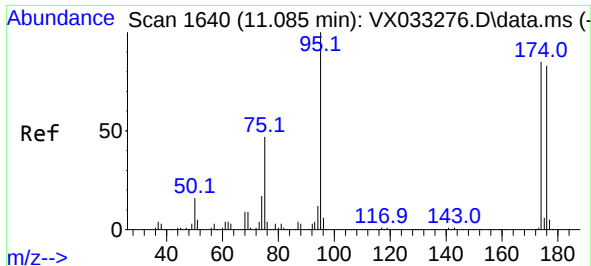
Tgt Ion: 43 Resp: 29663

Ion Ratio Lower Upper

43 100

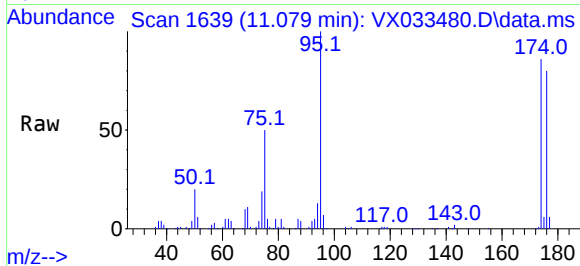
58 20.3 26.5 79.5#



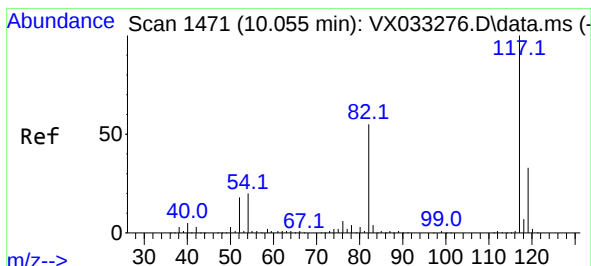
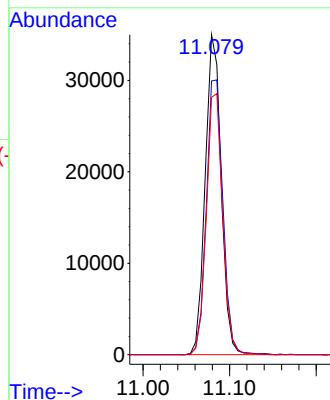
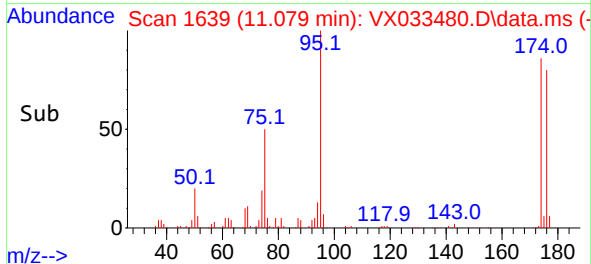


#62
4-Bromofluorobenzene
Concen: 43.657 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

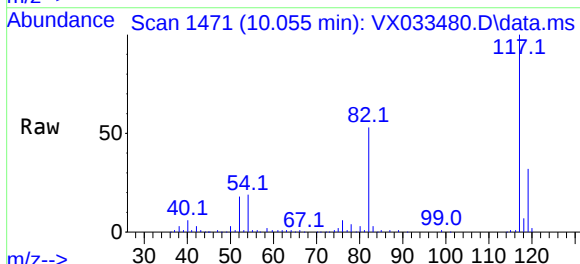
Instrument :
MSVOA_X
ClientSampleId :



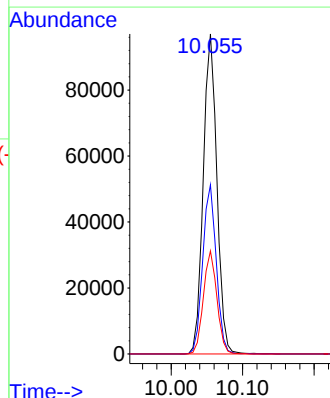
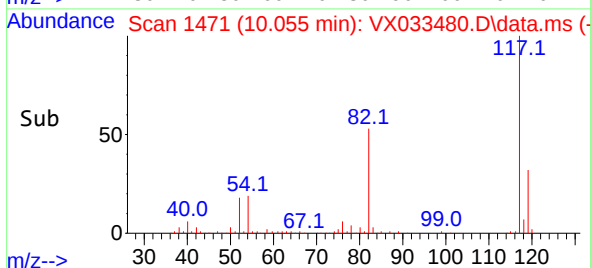
Tgt Ion: 95 Resp: 44773
Ion Ratio Lower Upper
95 100
174 89.4 0.0 164.0
176 83.5 0.0 154.4

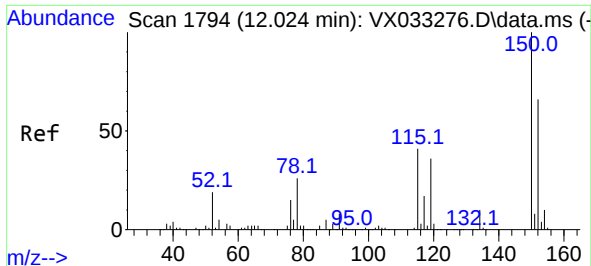


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36



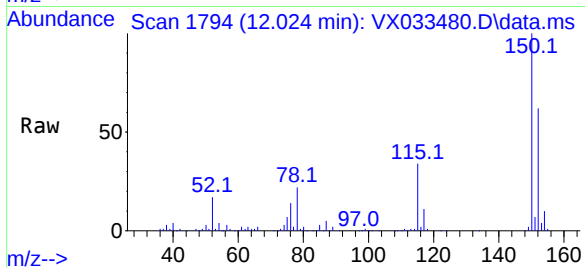
Tgt Ion: 117 Resp: 128549
Ion Ratio Lower Upper
117 100
82 52.9 44.3 66.5
119 32.2 25.7 38.5



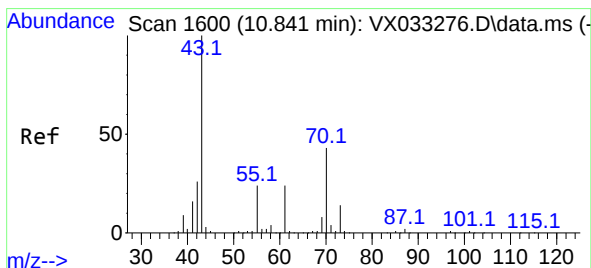
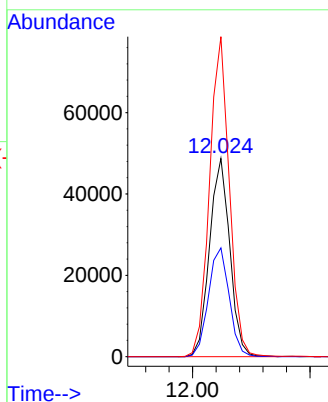
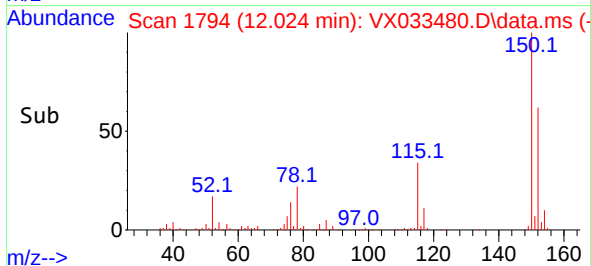


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

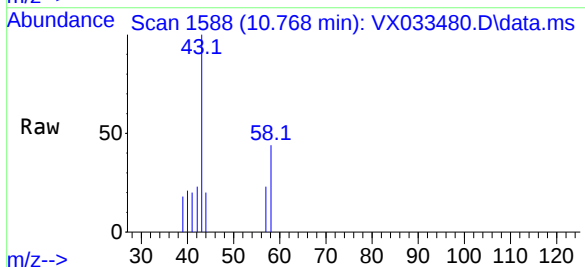
Instrument :
MSVOA_X
ClientSampleId :



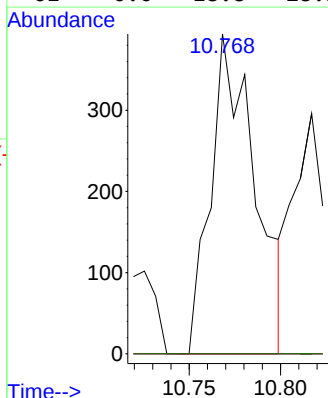
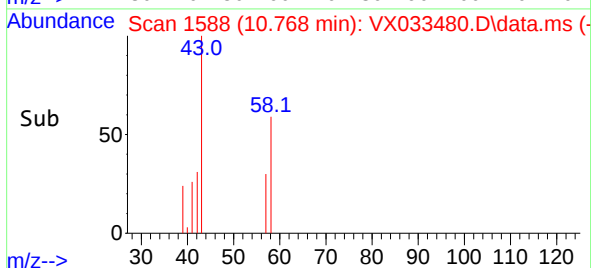
Tgt Ion:152 Resp: 58385
Ion Ratio Lower Upper
152 100
115 56.3 44.0 132.0
150 157.1 0.0 351.8

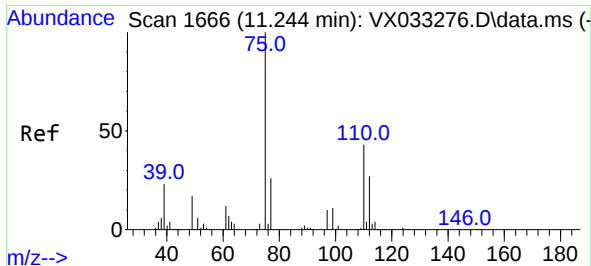


#74
N-ethyl acetate
Concen: 0.461 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36



Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

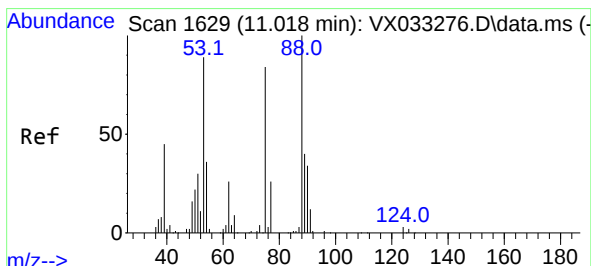
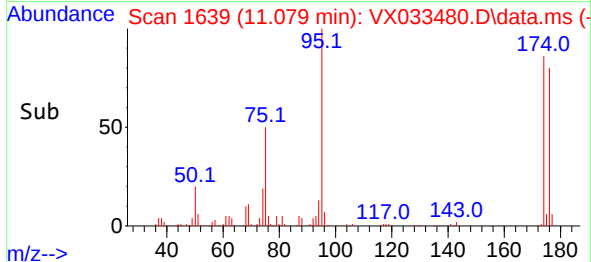
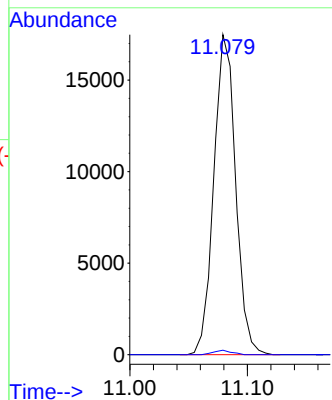
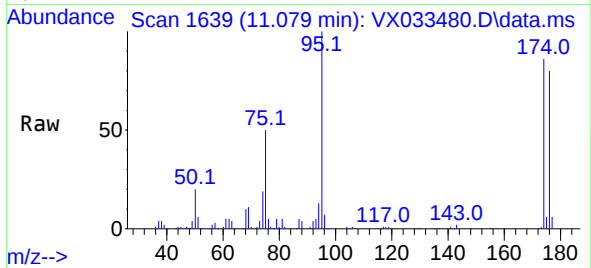




#76
1,2,3-Trichloropropane
Concen: 18.982 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 22548
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.048 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033480.D
Acq: 19 Dec 2022 13:36

Tgt Ion: 75 Resp: 22548
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

