

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033477.D
 Acq On : 19 Dec 2022 12:27
 Operator : JC/MD
 Sample : PB149705ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:00:07 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)

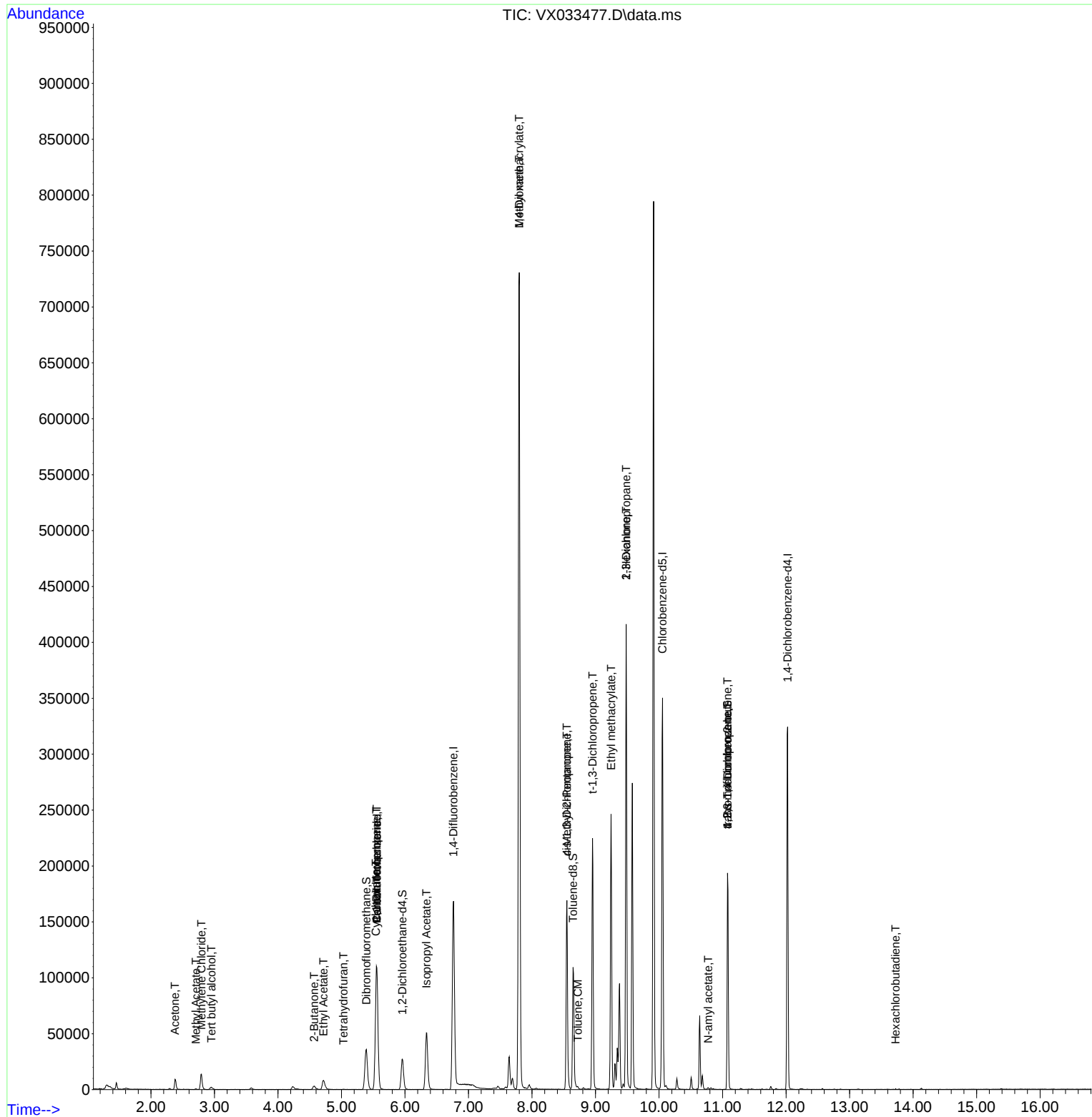
Internal Standards						
1) Pentafluorobenzene	5.556	168	107539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	28285	40.999	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.000%		
35) Dibromofluoromethane	5.391	113	32007	41.550	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.100%		
50) Toluene-d8	8.647	98	67382	41.814	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	83.620%#		
62) 4-Bromofluorobenzene	11.079	95	50854	41.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.540%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	2214	10.497	ug/l #	78
16) Acetone	2.380	43	10363	20.299	ug/l	99
18) Methyl Acetate	2.709	43	824	0.558	ug/l #	89
20) Methylene Chloride	2.794	84	7146	6.277	ug/l	86
25) 2-Butanone	4.568	43	5591	7.630	ug/l	96
29) Tetrahydrofuran	5.032	42	262	0.552	ug/l #	31
31) Cyclohexane	5.544	56	2032	1.239	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	8003	5.329	ug/l #	50
37) Ethyl Acetate	4.715	43	15985	11.259	ug/l	99
38) Carbon Tetrachloride	5.556	117	11005	6.540	ug/l #	14
43) Isopropyl Acetate	6.336	43	68244	29.875	ug/l	99
48) Methyl methacrylate	7.799	41	64688	54.870	ug/l #	42
49) 1,4-Dioxane	7.799	88	52	1.934	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56421	39.058	ug/l #	49
52) Toluene	8.720	92	734	0.259	ug/l	99
53) t-1,3-Dichloropropene	8.952	75	447	2.743	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26610	15.037	ug/l #	59
56) Ethyl methacrylate	9.244	69	621	0.371	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3646	1.907	ug/l #	42
59) 2-Hexanone	9.482	43	46651	43.823	ug/l #	53
74) N-amyl acetate	10.774	43	910	0.509	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	26555	18.038	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	26555	56.110	ug/l #	6
94) Hexachlorobutadiene	13.725	225	136	0.234	ug/l #	55

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
Data File : VX033477.D
Acq On : 19 Dec 2022 12:27
Operator : JC/MD
Sample : PB149705ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

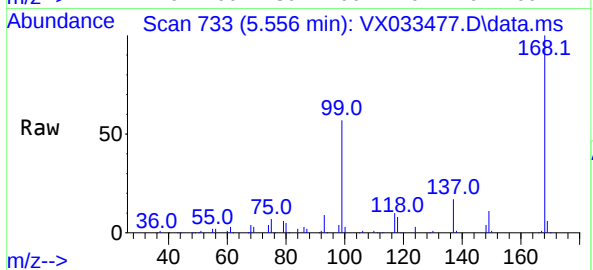
Quant Time: Dec 20 05:00:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



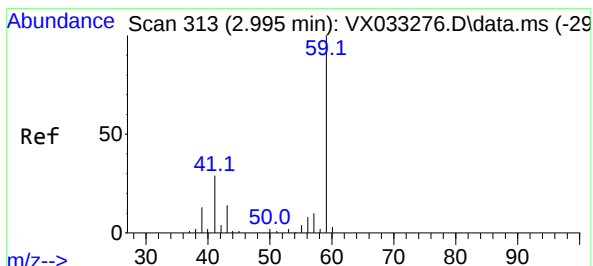
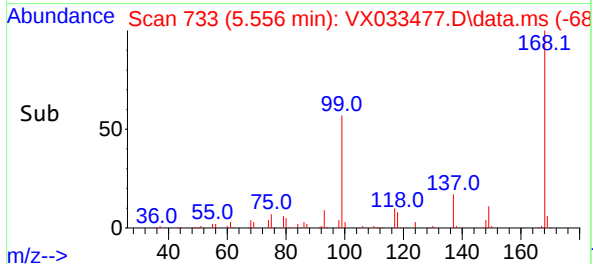
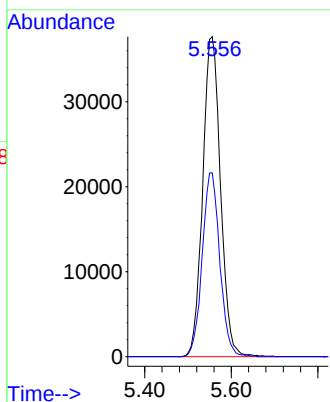


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :

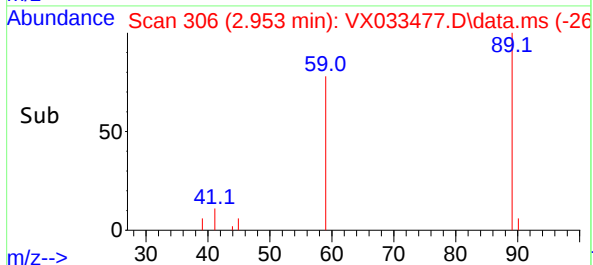
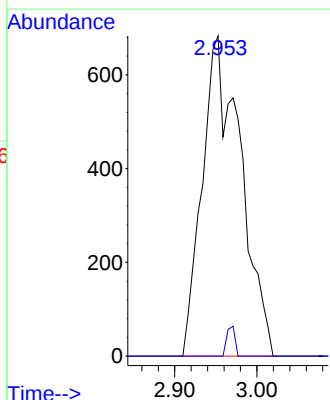
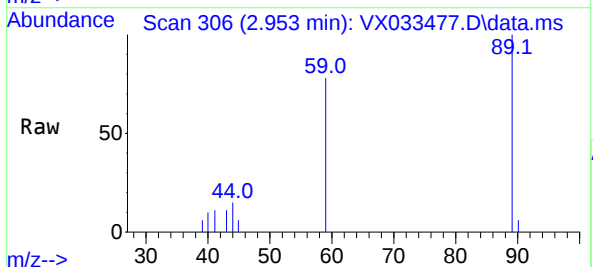


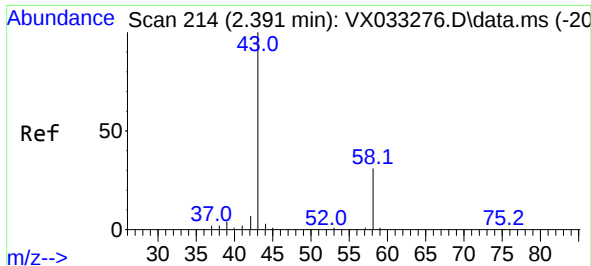
Tgt Ion:168 Resp: 107539
Ion Ratio Lower Upper
168 100
99 57.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 10.497 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.042 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Tgt Ion: 59 Resp: 2214
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.4#

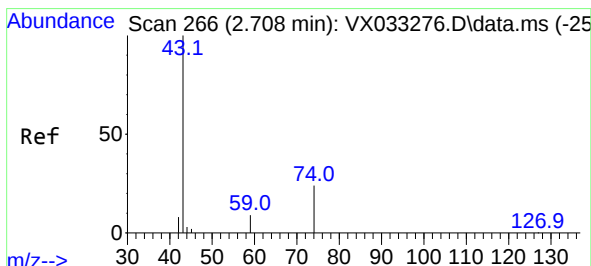
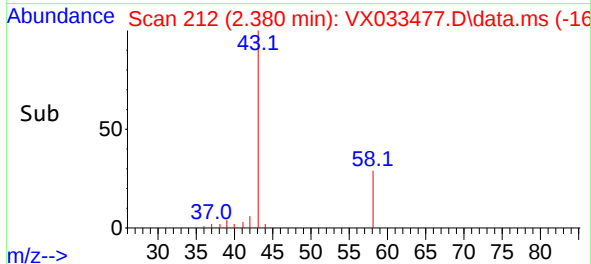
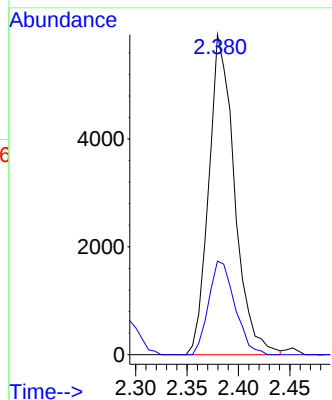
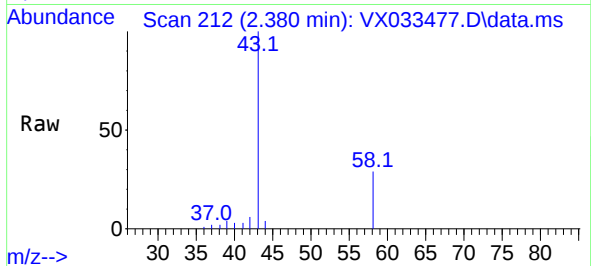




#16
Acetone
Concen: 20.299 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

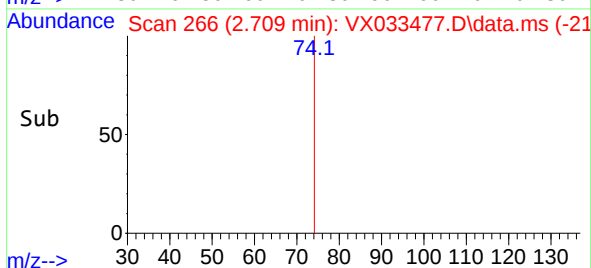
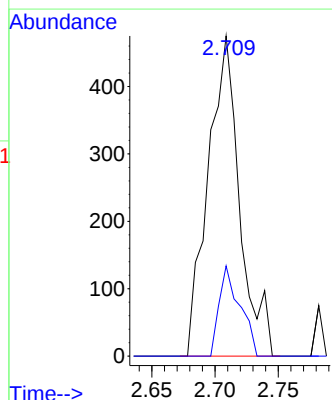
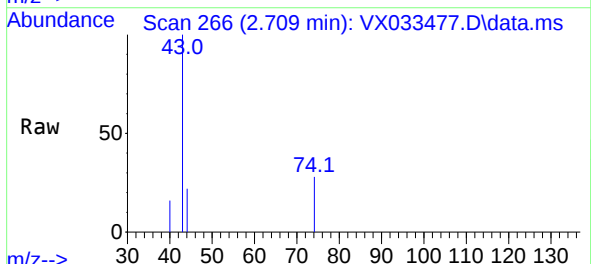
Instrument :
MSVOA_X
ClientSampleId :

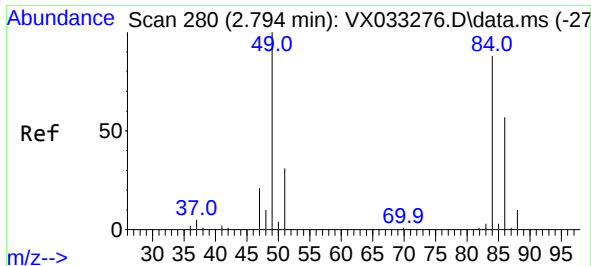
Tgt Ion: 43 Resp: 10363
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8



#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
74 18.6 19.4 29.0#





#20

Methylene Chloride

Concen: 6.277 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

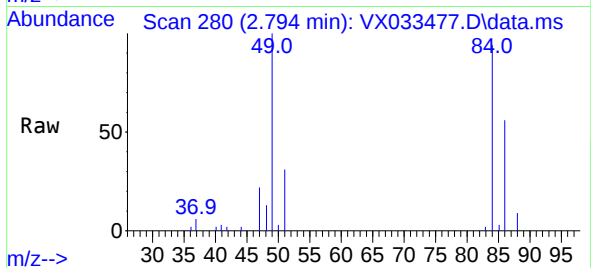
Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7146

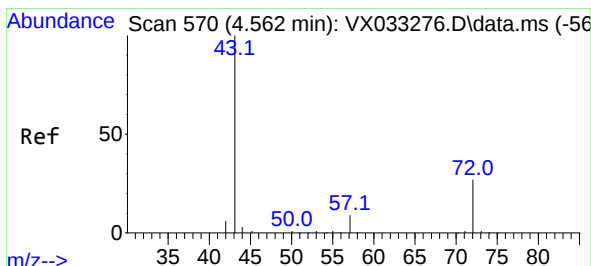
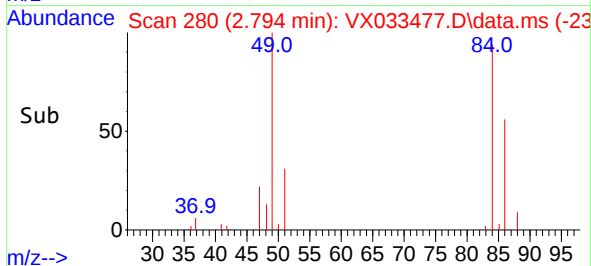
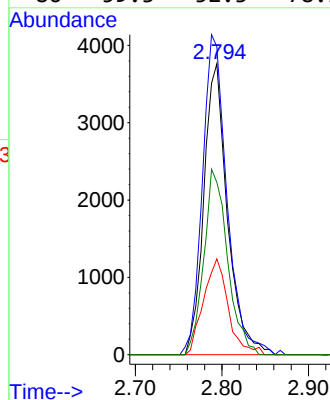
Ion Ratio Lower Upper

84 100

49 105.9 101.0 151.6

51 32.9 31.1 46.7

86 59.3 52.3 78.5



#25

2-Butanone

Concen: 7.630 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX033477.D

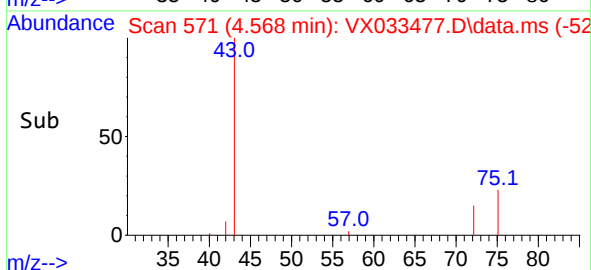
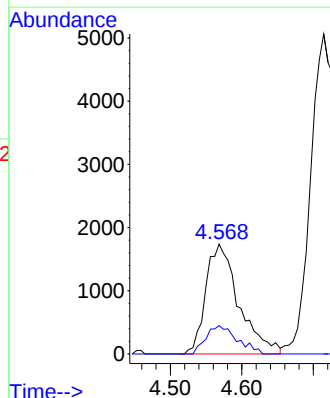
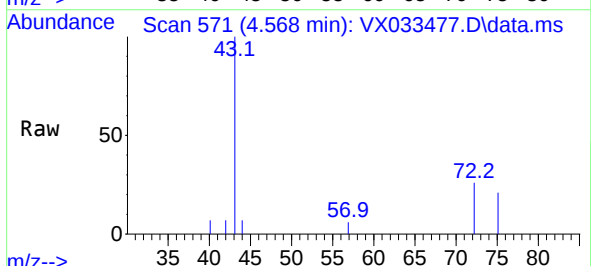
Acq: 19 Dec 2022 12:27

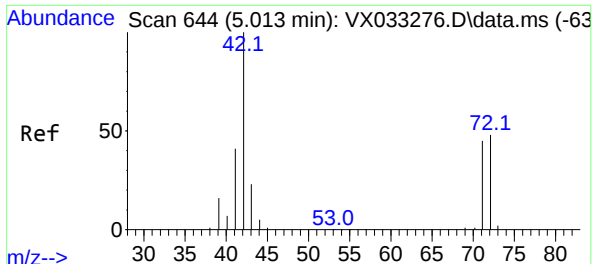
Tgt Ion: 43 Resp: 5591

Ion Ratio Lower Upper

43 100

72 25.7 22.2 33.2





#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX033477.D

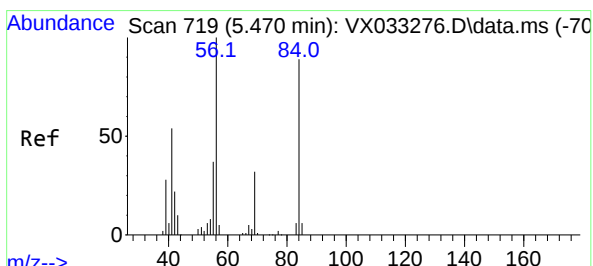
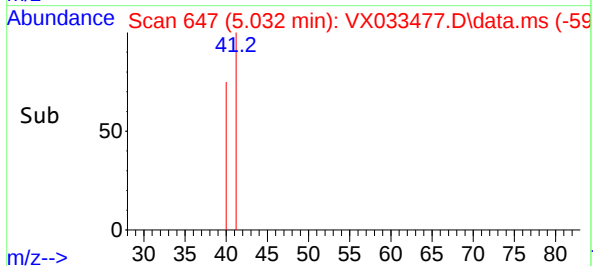
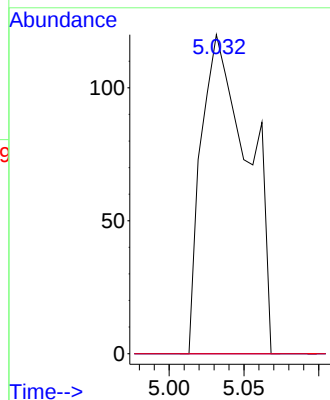
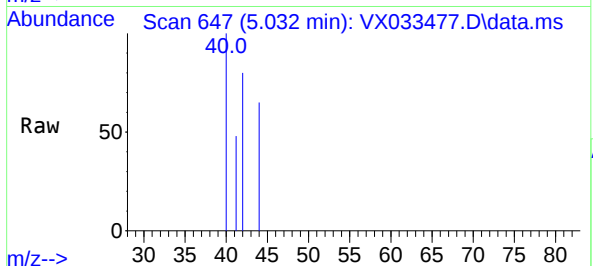
Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	262
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.239 ug/l

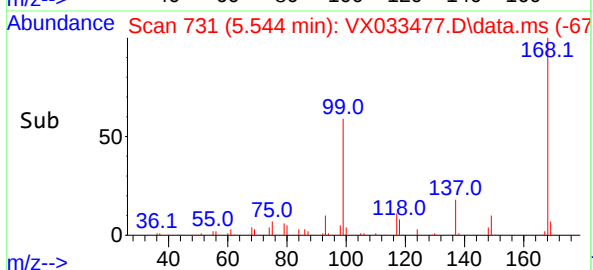
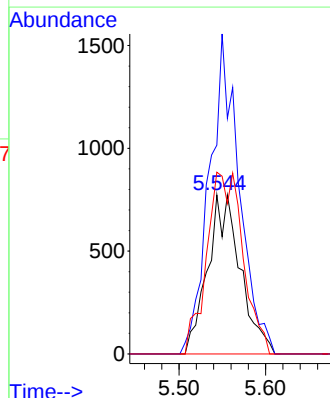
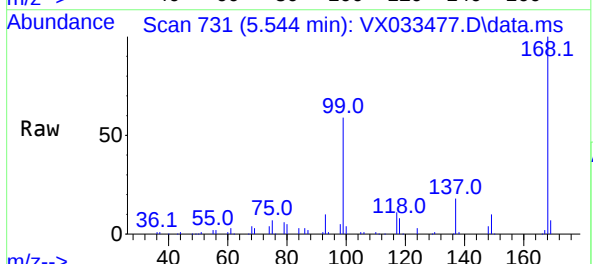
RT: 5.544 min Scan# 731

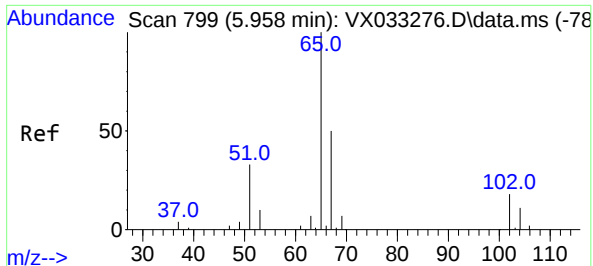
Delta R.T. 0.073 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Tgt Ion:	56	Resp:	2032
Ion	Ratio	Lower	Upper
56	100		
69	131.3	24.1	36.1#
84	114.4	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 40.999 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

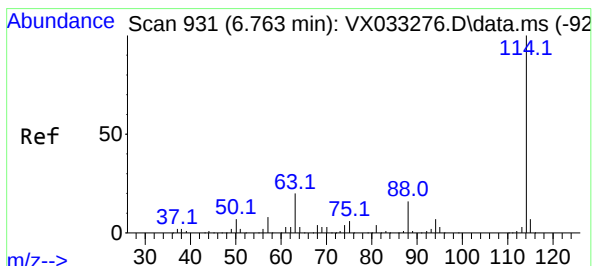
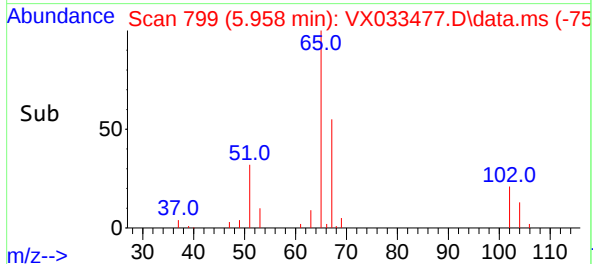
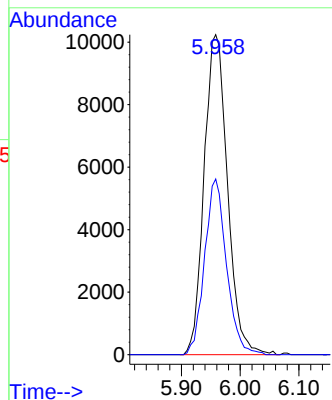
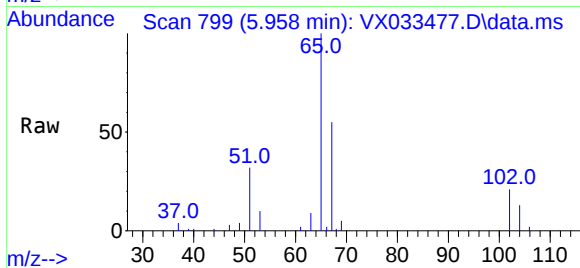
ClientSampleId :

Tgt Ion: 65 Resp: 28285

Ion Ratio Lower Upper

65 100

67 51.4 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: VX033477.D

Acq: 19 Dec 2022 12:27

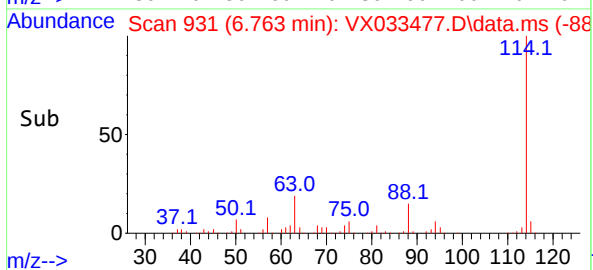
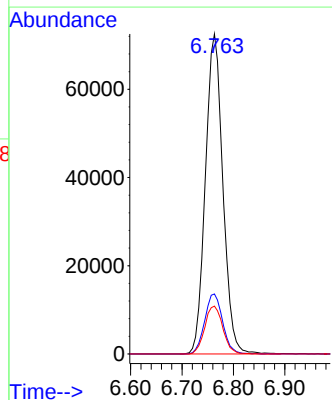
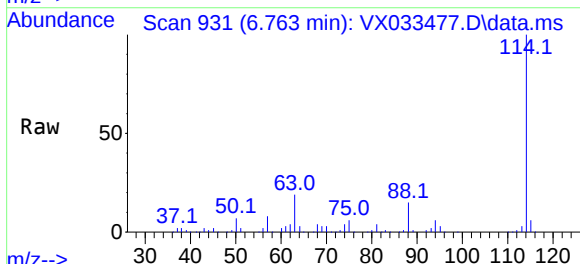
Tgt Ion: 114 Resp: 171266

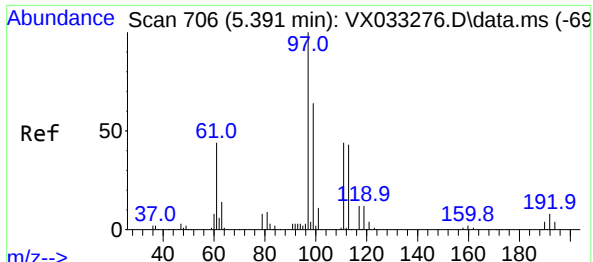
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

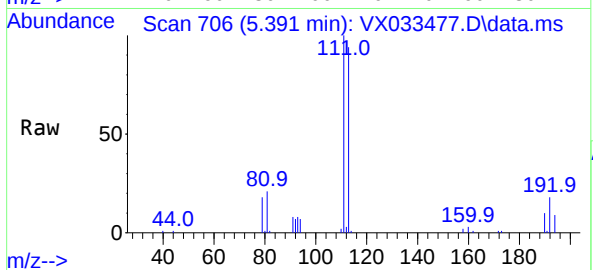
88 14.9 0.0 33.4



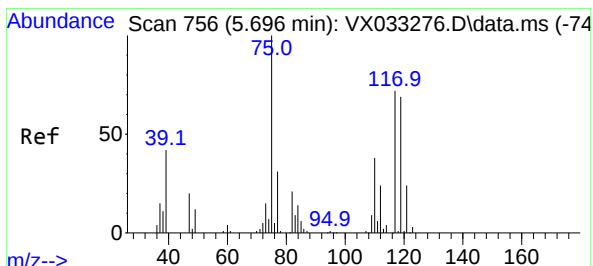
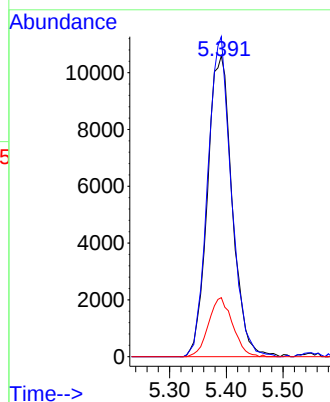
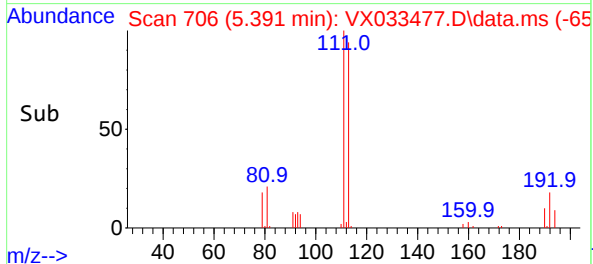


#35
Dibromofluoromethane
Concen: 41.550 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

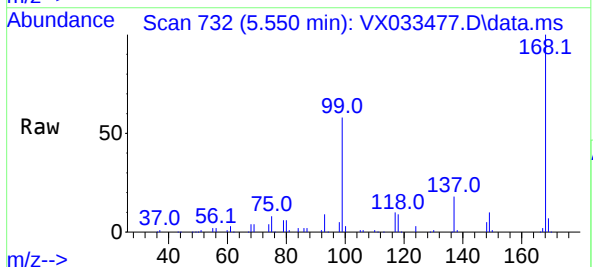
Instrument :
MSVOA_X
ClientSampleId :



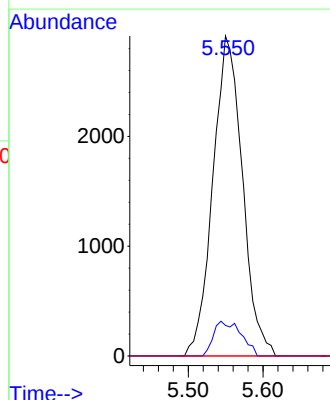
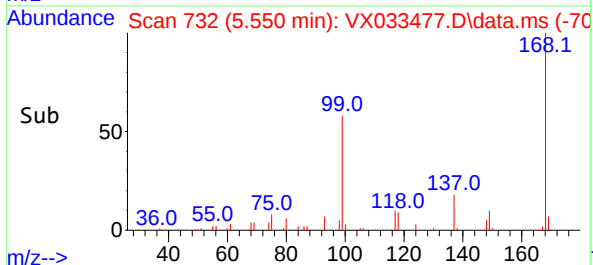
Tgt Ion:113 Resp: 32007
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 19.2 15.4 23.2

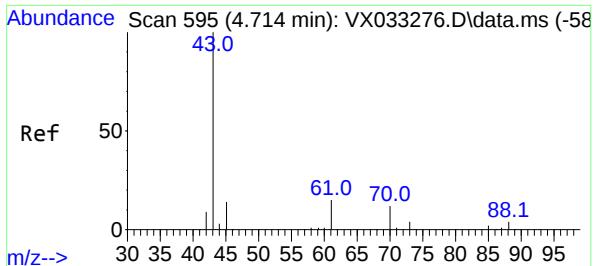


#36
1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27



Tgt Ion: 75 Resp: 8003
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 11.259 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

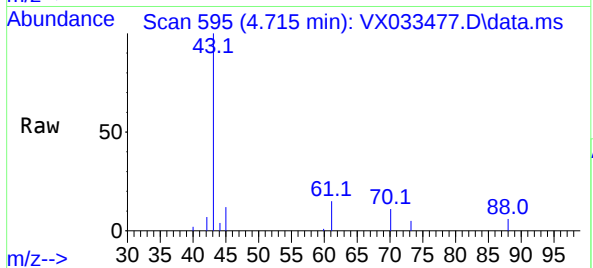
Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

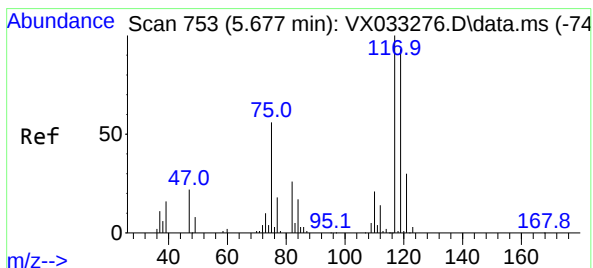
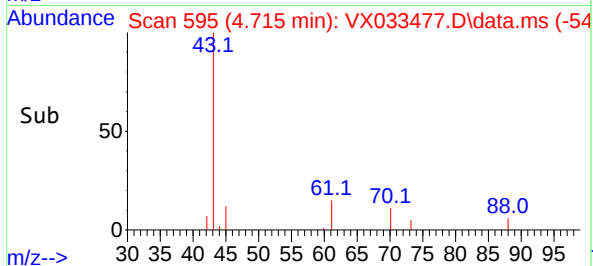
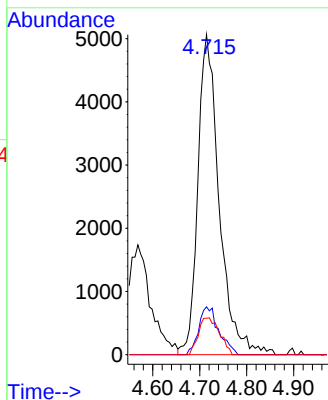
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	15985
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	11.3	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.540 ug/l

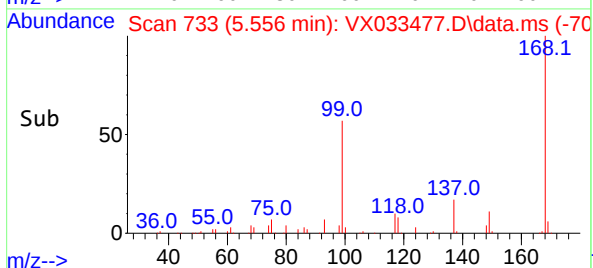
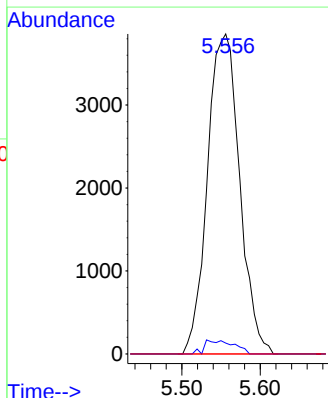
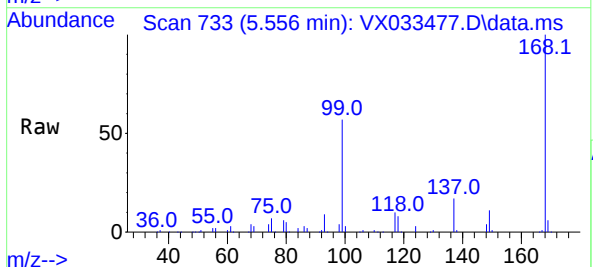
RT: 5.556 min Scan# 733

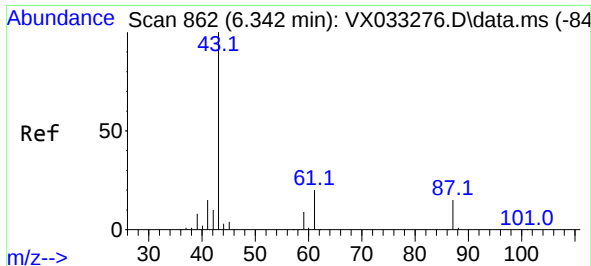
Delta R.T. -0.122 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

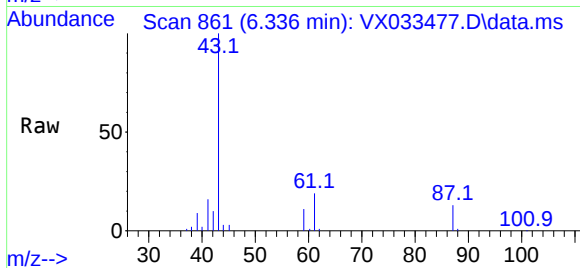
Tgt Ion:	117	Resp:	11005
Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.2	115.8#
121	0.0	25.8	38.6#



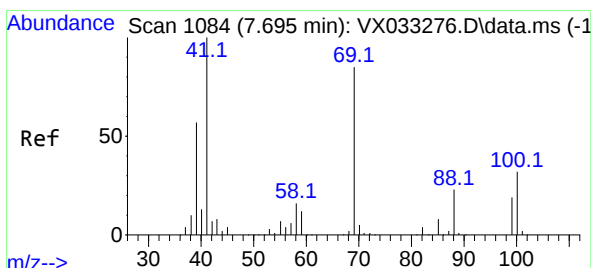
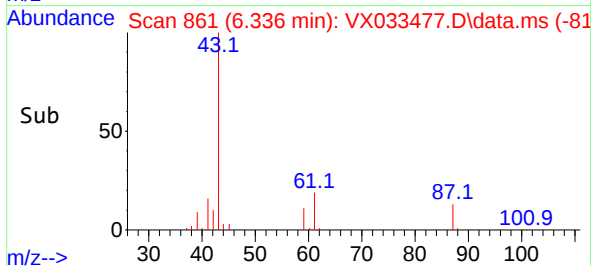
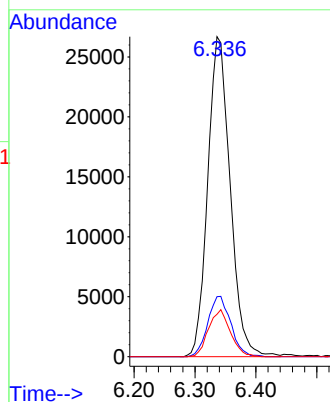


#43
Isopropyl Acetate
Concen: 29.875 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :

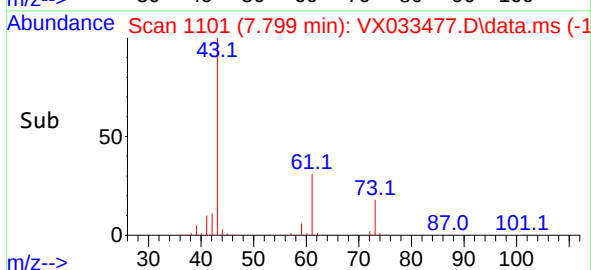
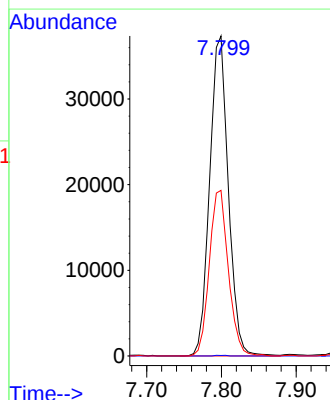
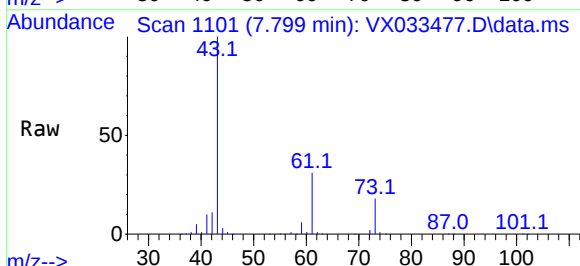


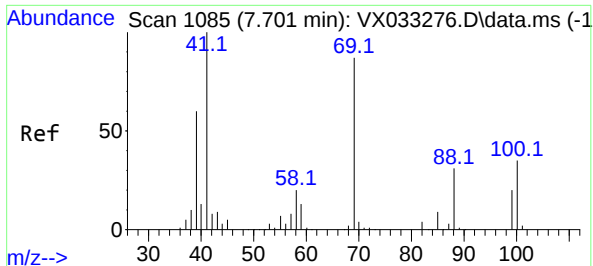
Tgt Ion: 43 Resp: 68244
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 14.3 10.8 16.2



#48
Methyl methacrylate
Concen: 54.870 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Tgt Ion: 41 Resp: 64688
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 52.8 51.9 77.9





#49

1,4-Dioxane

Concen: 1.934 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

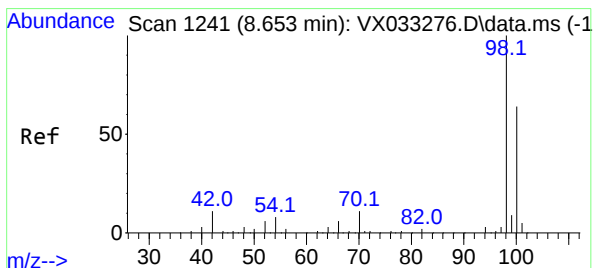
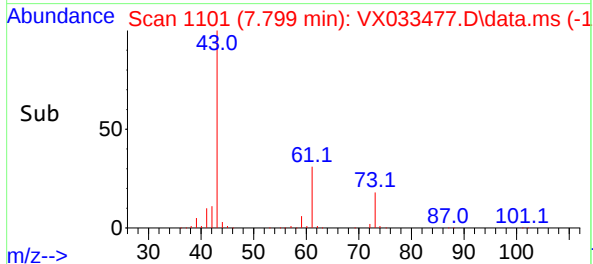
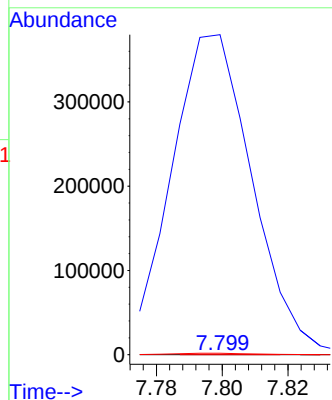
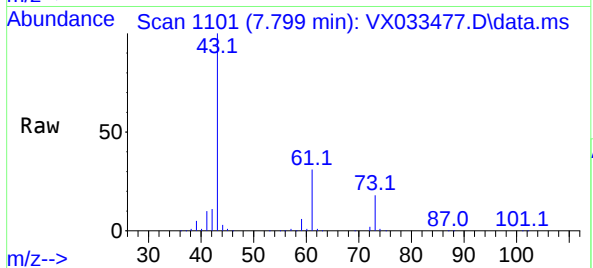
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 1275269.2 26.6 39.8#

58 5753.8 51.7 77.5#



#50

Toluene-d8

Concen: 41.814 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033477.D

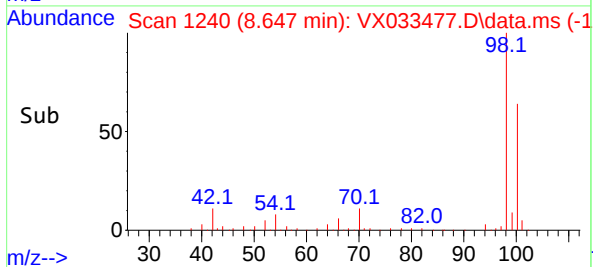
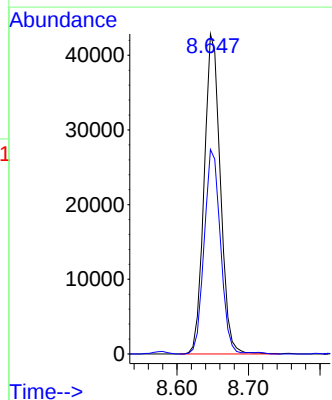
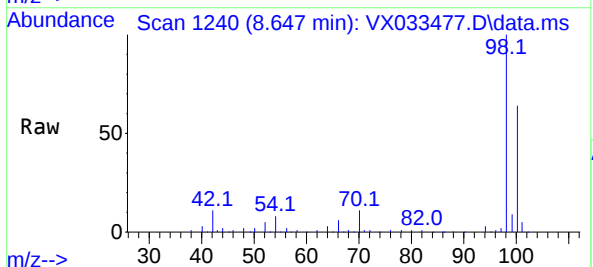
Acq: 19 Dec 2022 12:27

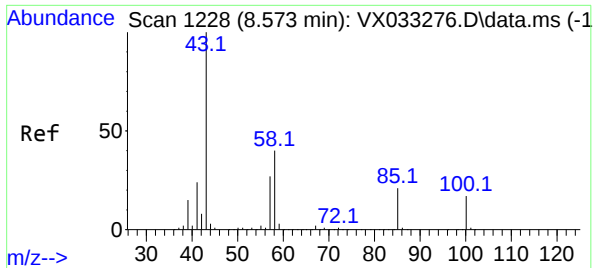
Tgt Ion: 98 Resp: 67382

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3

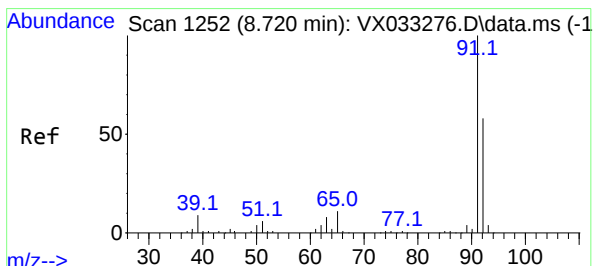
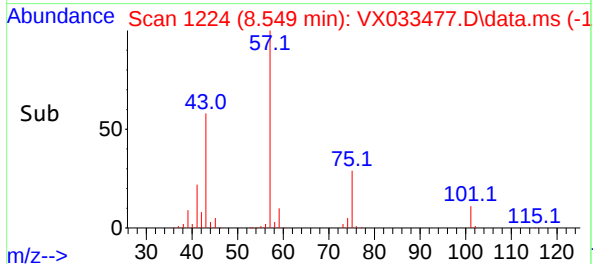
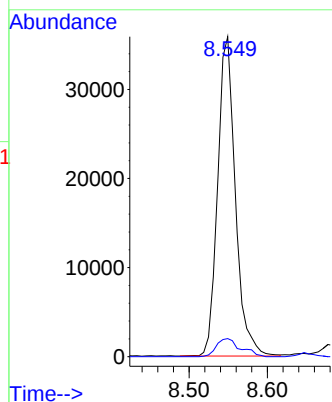
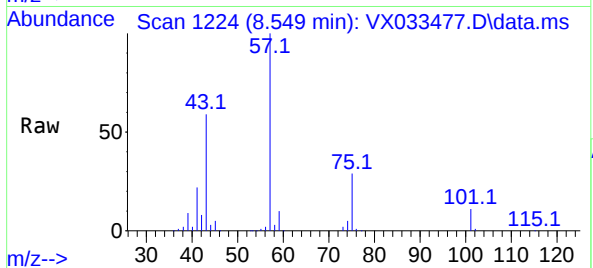




#51
4-Methyl-2-Pentanone
Concen: 39.058 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

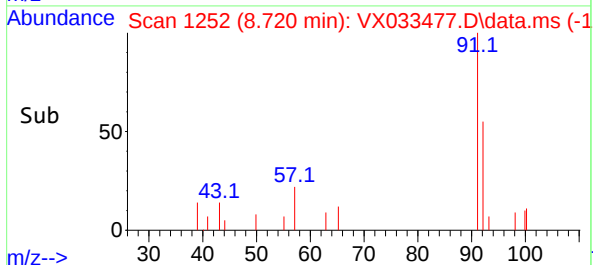
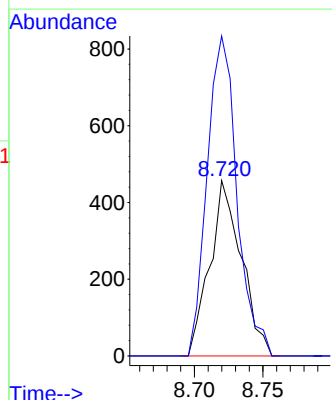
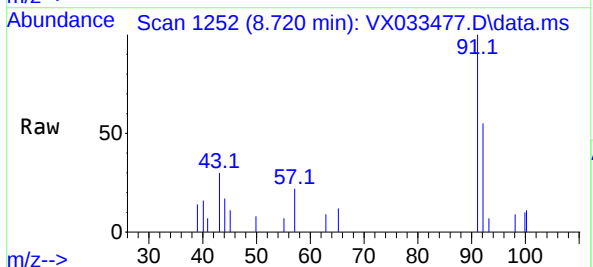
Instrument :
MSVOA_X
ClientSampleId :

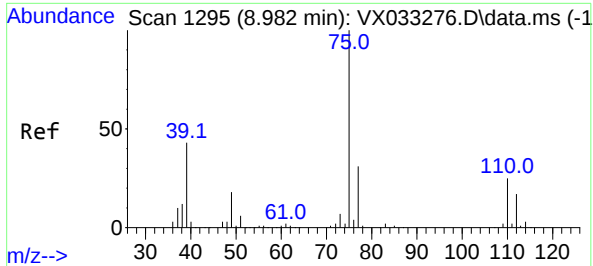
Tgt Ion: 43 Resp: 56421
Ion Ratio Lower Upper
43 100
58 7.7 30.9 46.3#



#52
Toluene
Concen: 0.259 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Tgt Ion: 92 Resp: 734
Ion Ratio Lower Upper
92 100
91 171.9 138.3 207.5

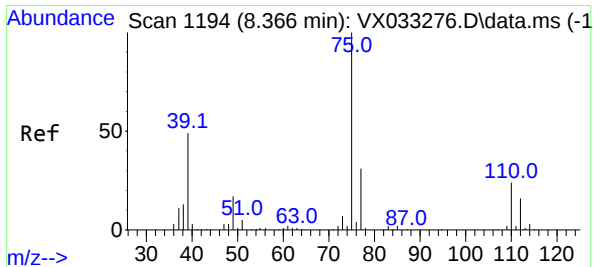
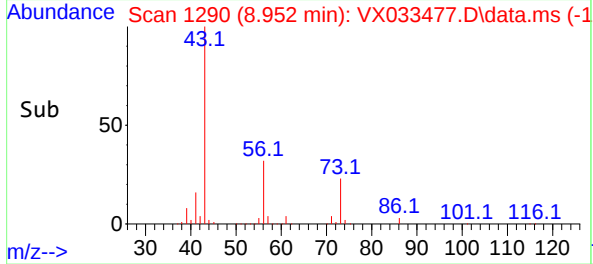
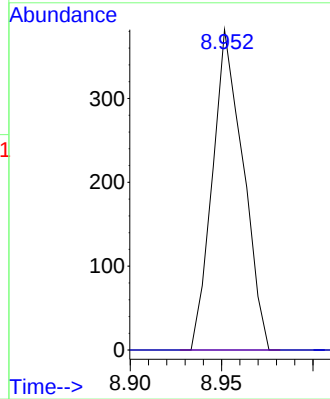
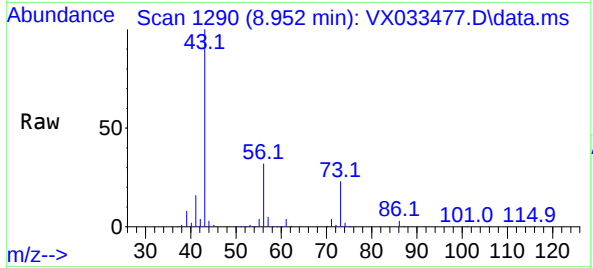




#53
 t-1,3-Dichloropropene
 Concen: 2.743 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX033477.D
 Acq: 19 Dec 2022 12:27

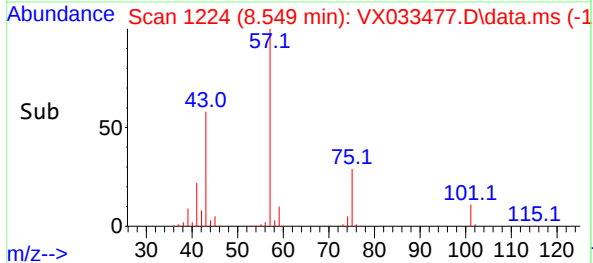
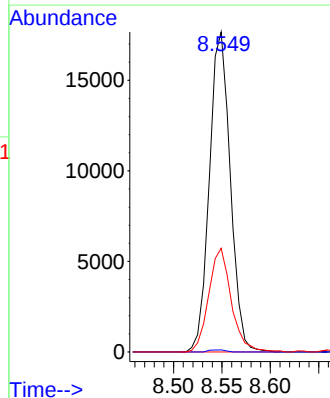
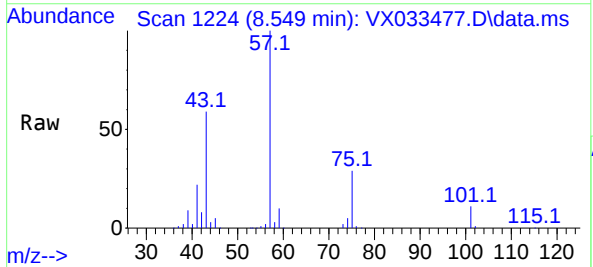
Instrument :
 MSVOA_X
 ClientSampleId :

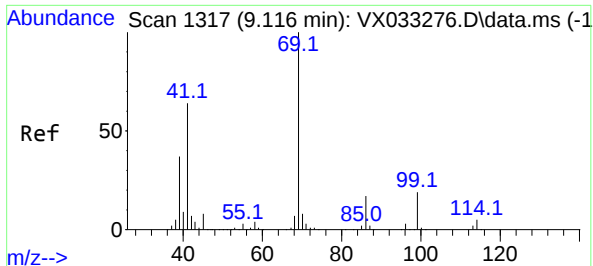
Tgt Ion: 75 Resp: 447
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 15.037 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033477.D
 Acq: 19 Dec 2022 12:27

Tgt Ion: 75 Resp: 26610
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.1 37.7#
 39 32.4 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.371 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

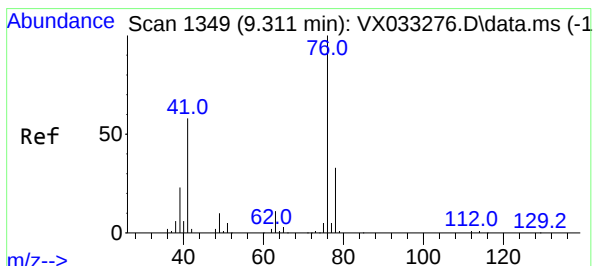
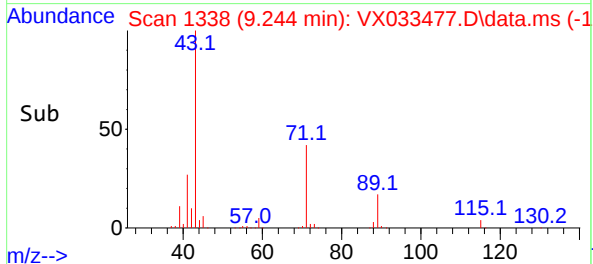
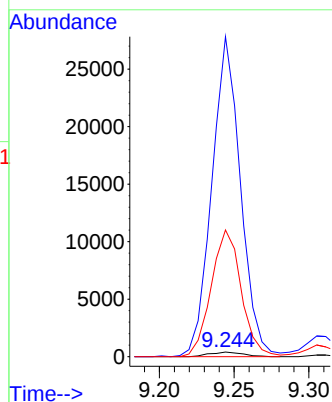
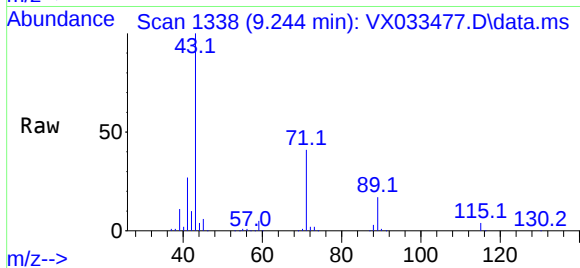
Tgt Ion: 69 Resp: 621

Ion Ratio Lower Upper

69 100

41 5977.9 54.3 81.5#

39 2477.3 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.907 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033477.D

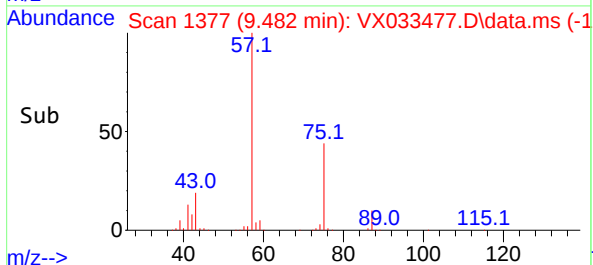
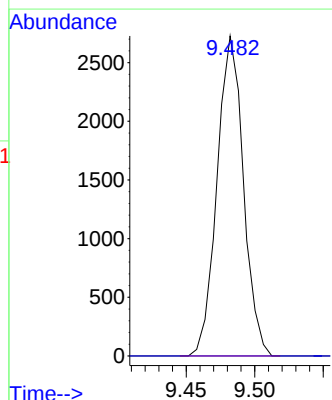
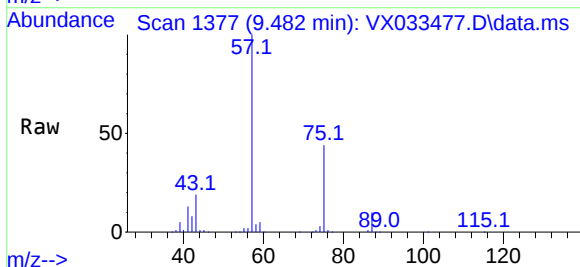
Acq: 19 Dec 2022 12:27

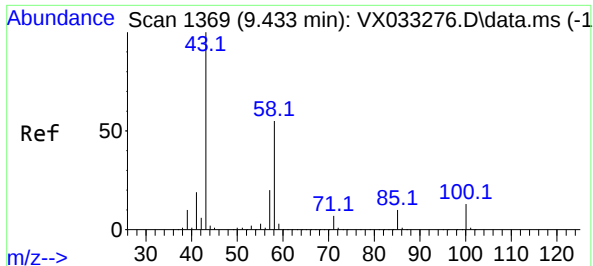
Tgt Ion: 76 Resp: 3646

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 43.823 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

Instrument :

MSVOA_X

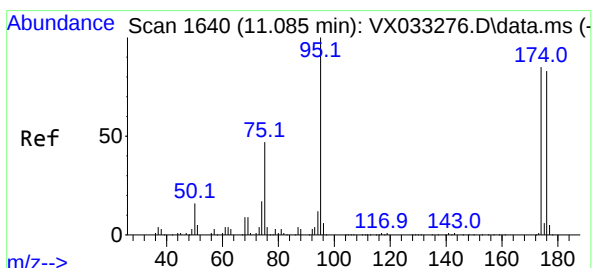
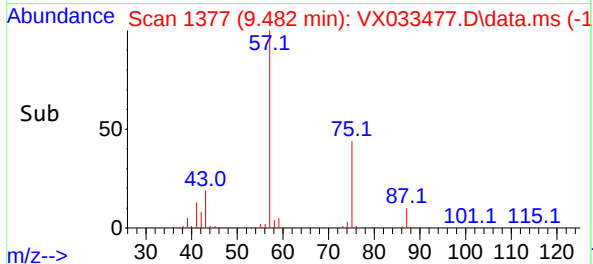
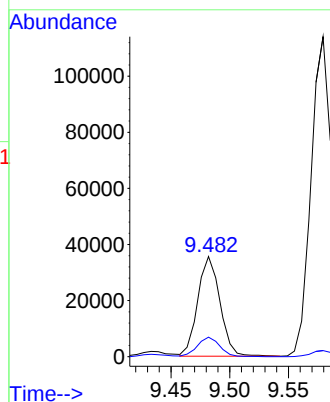
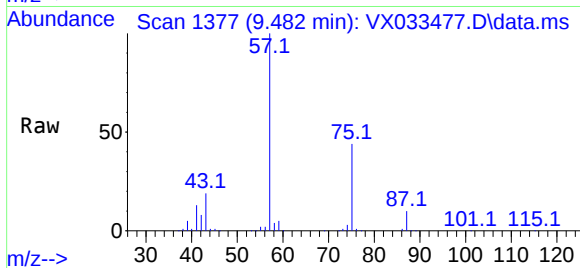
ClientSampleId :

Tgt Ion: 43 Resp: 46651

Ion Ratio Lower Upper

43 100

58 19.8 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 41.272 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033477.D

Acq: 19 Dec 2022 12:27

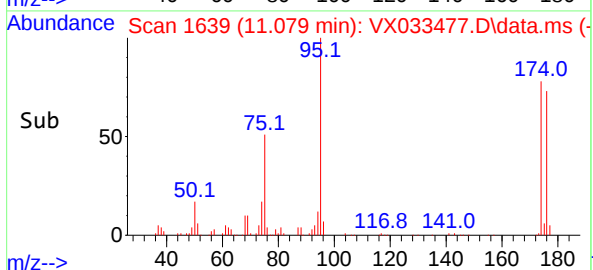
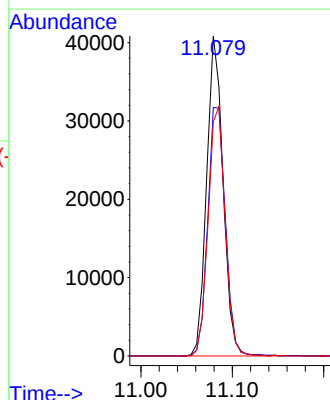
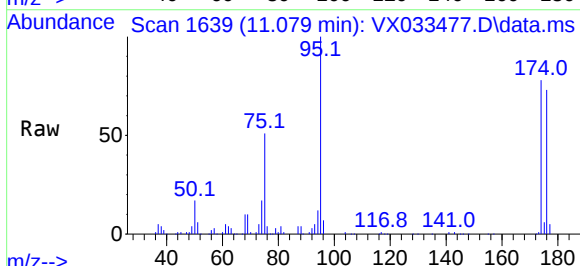
Tgt Ion: 95 Resp: 50854

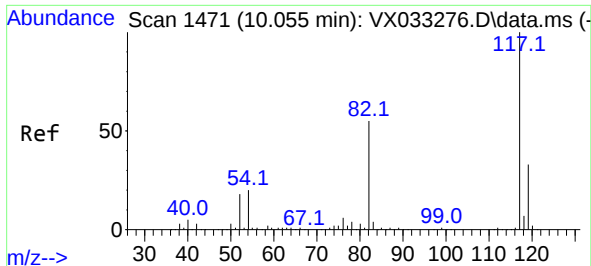
Ion Ratio Lower Upper

95 100

174 83.6 0.0 164.0

176 80.6 0.0 154.4

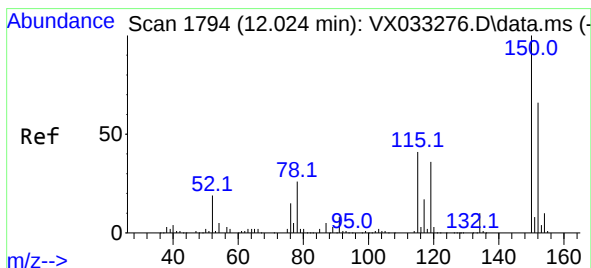
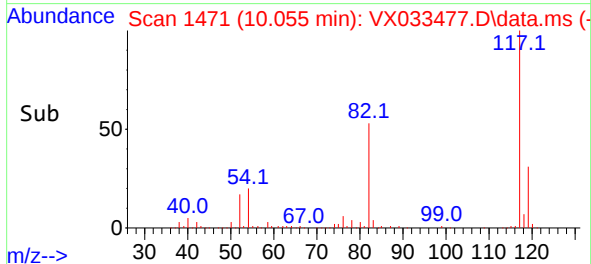
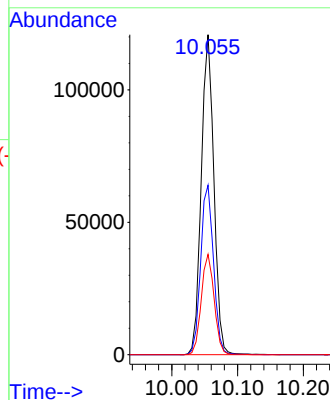
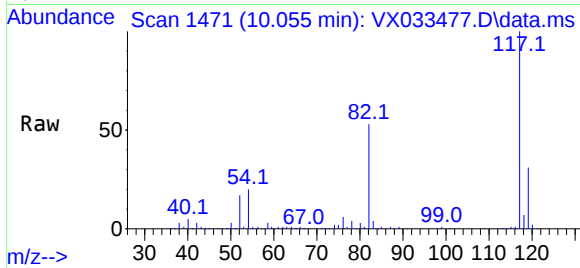




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

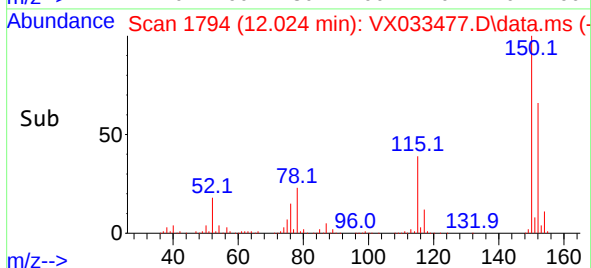
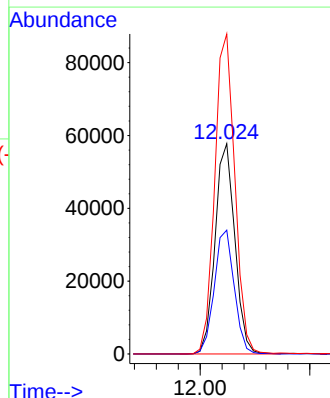
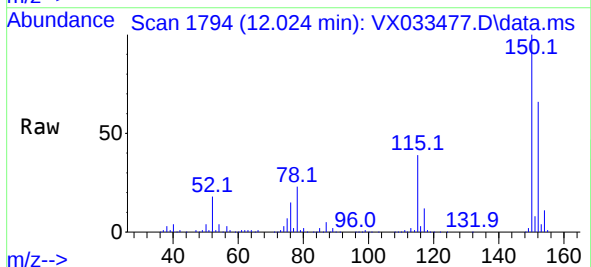
Instrument :
MSVOA_X
ClientSampleId :

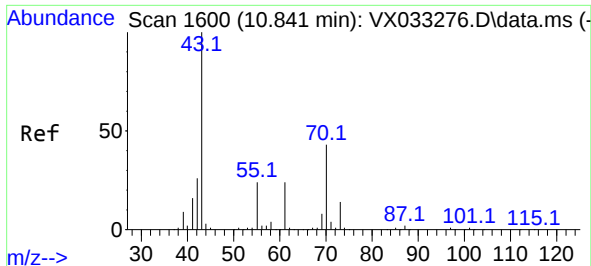
Tgt Ion:117 Resp: 161072
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

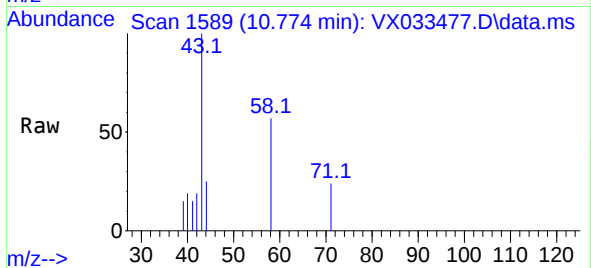
Tgt Ion:152 Resp: 72361
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 155.0 0.0 351.8



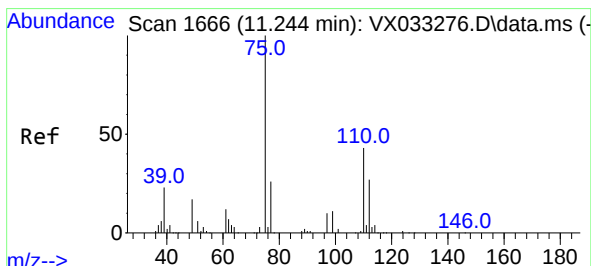
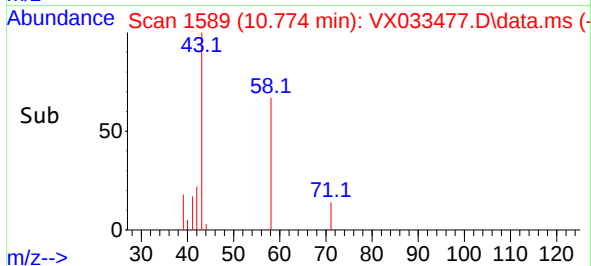
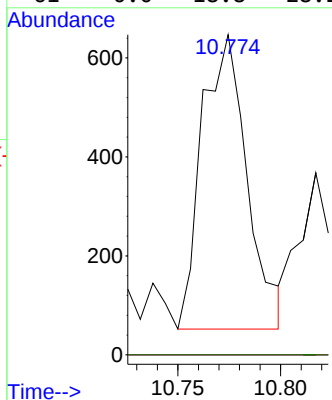


#74
N-amy1 acetate
Concen: 0.509 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :

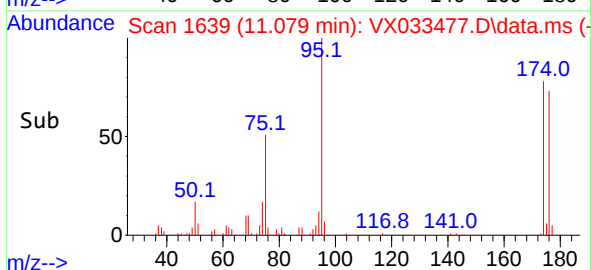
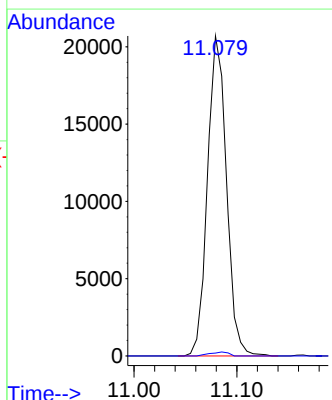
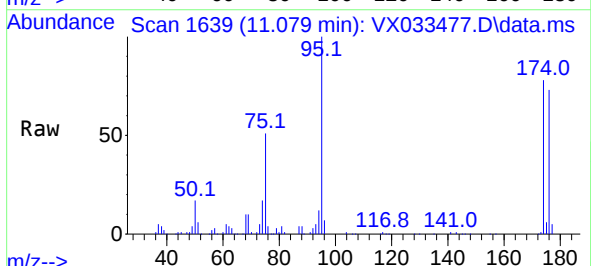


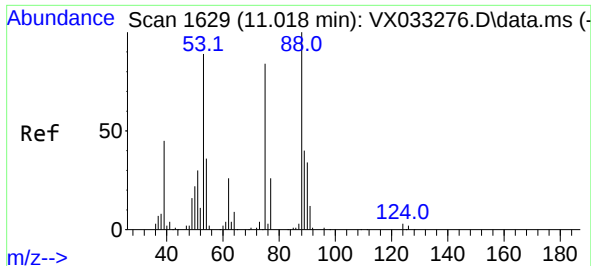
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 18.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

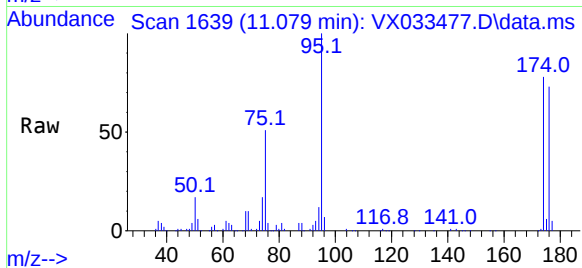
Tgt Ion: 75 Resp: 26555
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



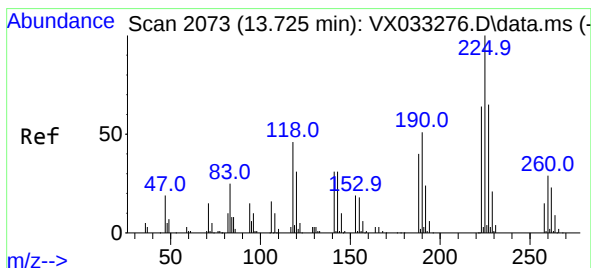
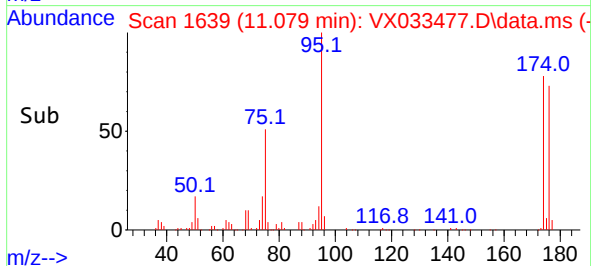
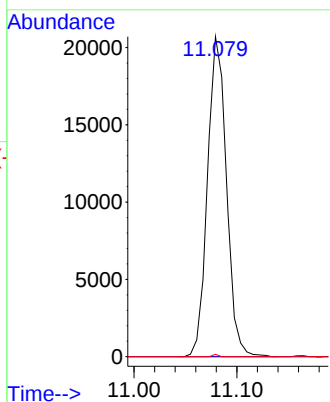


#81
trans-1,4-Dichloro-2-butene
Concen: 56.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 26555
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.2 38.3 57.5#



#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033477.D
Acq: 19 Dec 2022 12:27

Tgt Ion: 225 Resp: 136
Ion Ratio Lower Upper
225 100
223 41.9 31.9 95.9
227 14.7 31.9 95.5#

