

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033481.D
 Acq On : 19 Dec 2022 13:59
 Operator : JC/MD
 Sample : PB149705ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

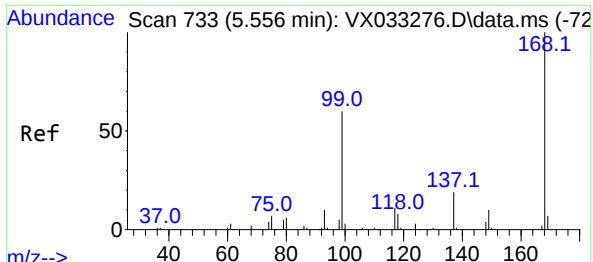
Quant Time: Dec 20 05:00:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	117489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	190898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36407	48.302	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.600%		
35) Dibromofluoromethane	5.391	113	40367	47.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.020%		
50) Toluene-d8	8.647	98	84845	47.236	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.480%		
62) 4-Bromofluorobenzene	11.079	95	64993	47.323	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	3464	15.032	ug/l #	76
16) Acetone	2.386	43	10079	18.071	ug/l	97
18) Methyl Acetate	2.709	43	1275	0.790	ug/l	92
20) Methylene Chloride	2.794	84	7930	6.375	ug/l #	87
25) 2-Butanone	4.568	43	5569	6.956	ug/l	92
29) Tetrahydrofuran	5.031	42	199	0.384	ug/l #	31
31) Cyclohexane	5.544	56	2120	1.184	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	8635	5.158	ug/l #	45
37) Ethyl Acetate	4.714	43	15683	9.911	ug/l	100
38) Carbon Tetrachloride	5.556	117	11997	6.396	ug/l #	16
43) Isopropyl Acetate	6.342	43	67304	26.434	ug/l	98
48) Methyl methacrylate	7.799	41	63857	48.595	ug/l #	43
49) 1,4-Dioxane	7.793	88	62	2.069	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	54970	34.140	ug/l #	49
53) t-1,3-Dichloropropene	8.945	75	503	2.746	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25650	13.004	ug/l #	61
56) Ethyl methacrylate	9.244	69	530	0.284	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3438	1.613	ug/l #	42
59) 2-Hexanone	9.482	43	45676	38.494	ug/l #	53
74) N-amyl acetate	10.768	43	829	0.423	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	34030	21.116	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34030	65.687	ug/l #	6

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

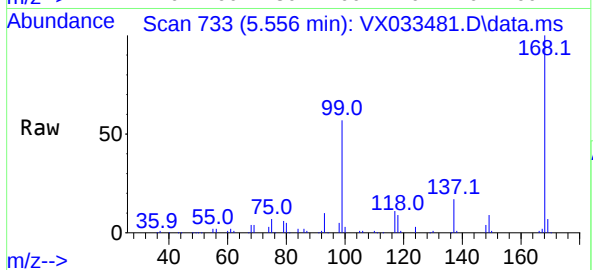
Quant Time: Dec 20 05:00:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



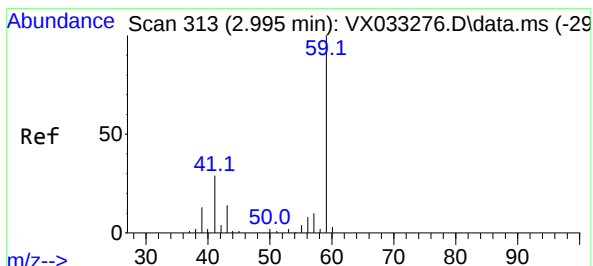
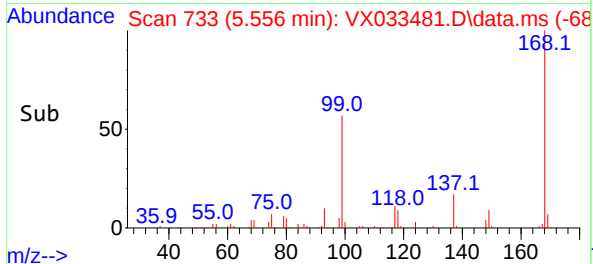
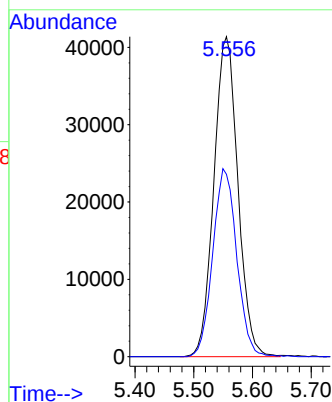


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :

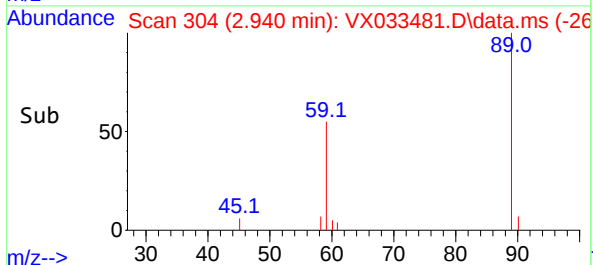
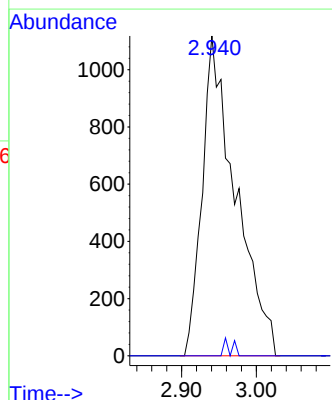
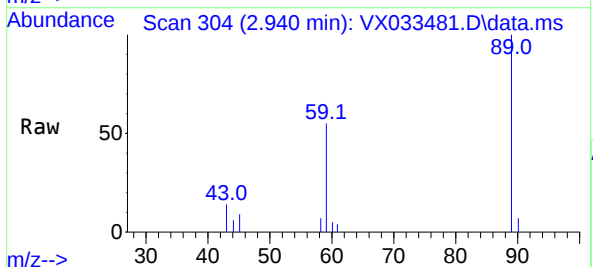


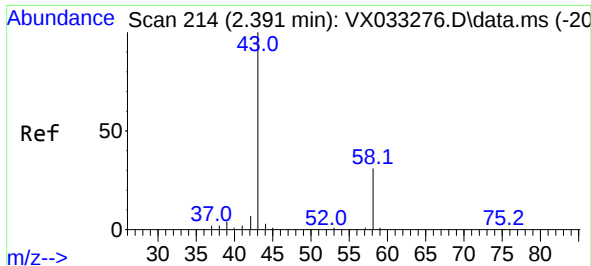
Tgt Ion:168 Resp: 117489
Ion Ratio Lower Upper
168 100
99 57.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 15.032 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 59 Resp: 3464
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.4#

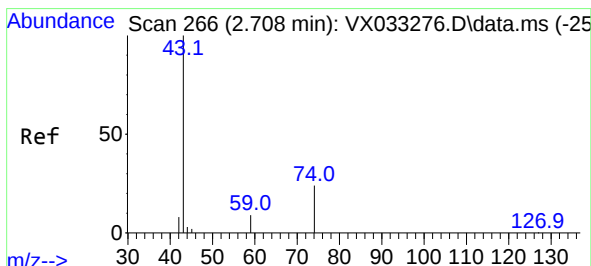
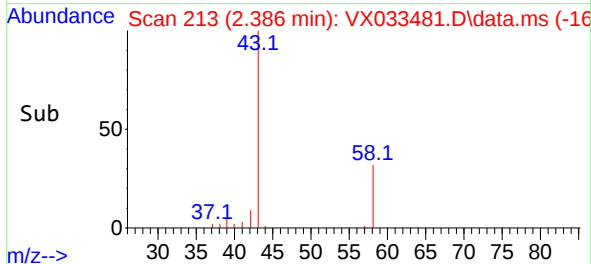
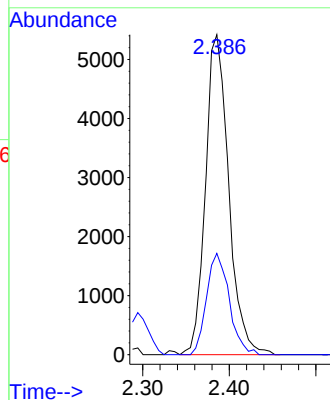
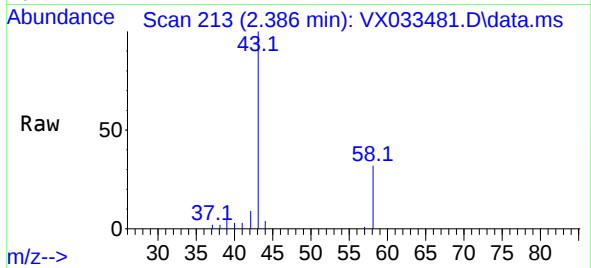




#16
Acetone
Concen: 18.071 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

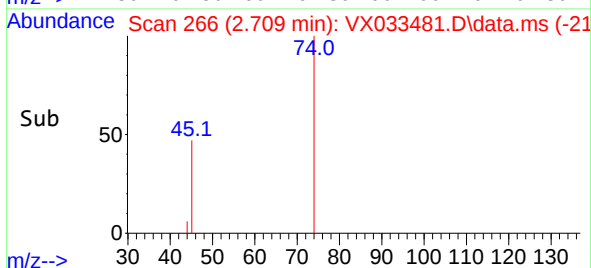
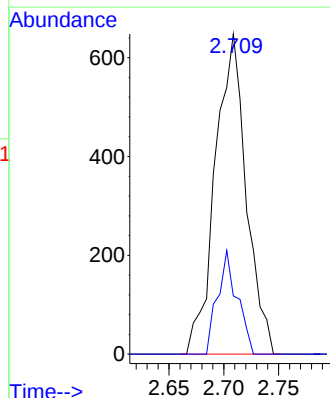
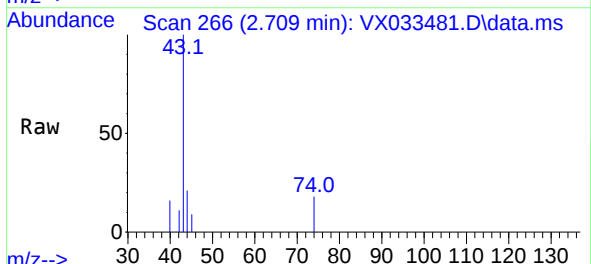
Instrument :
MSVOA_X
ClientSampleId :

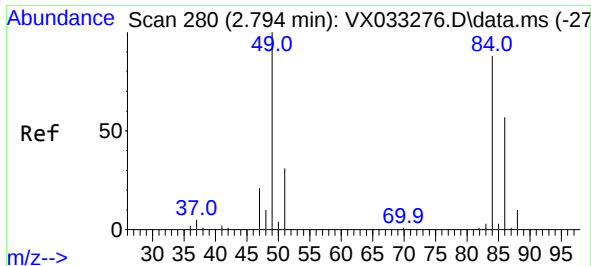
Tgt Ion: 43 Resp: 10079
Ion Ratio Lower Upper
43 100
58 31.7 23.8 35.8



#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

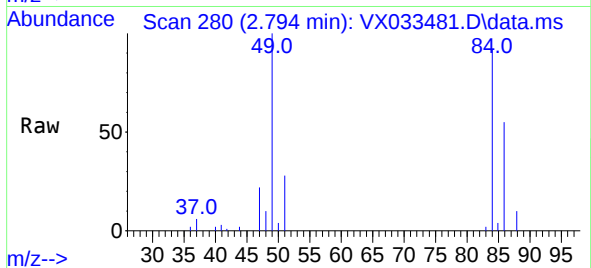
Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
74 20.5 19.4 29.0





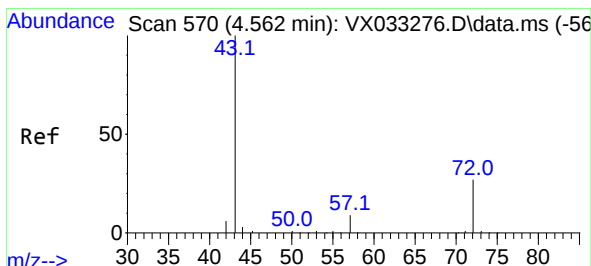
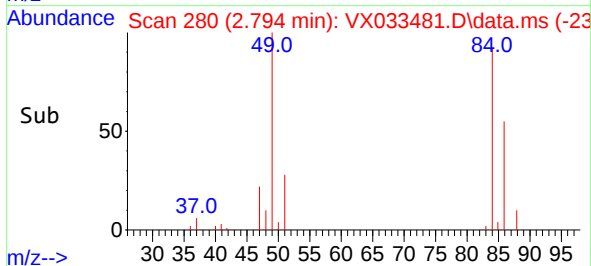
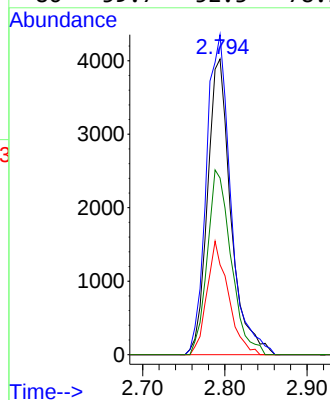
#20
Methylene Chloride
Concen: 6.375 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 7930

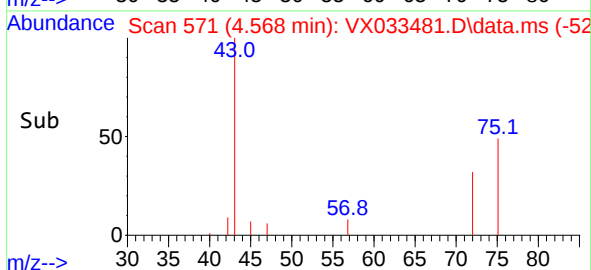
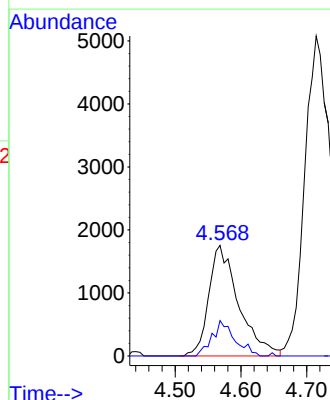
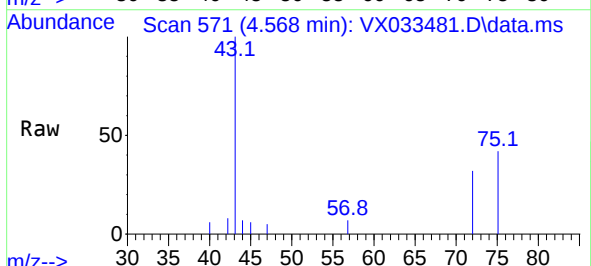
Ion	Ratio	Lower	Upper
84	100		
49	108.3	101.0	151.6
51	30.4	31.1	46.7#
86	59.7	52.3	78.5

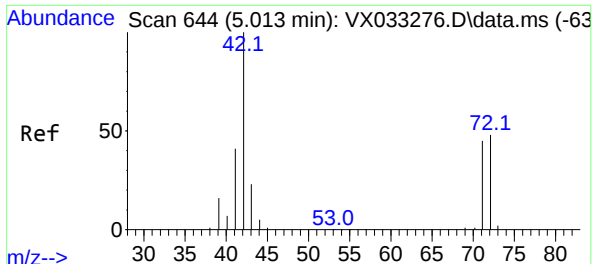


#25
2-Butanone
Concen: 6.956 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 43 Resp: 5569

Ion	Ratio	Lower	Upper
43	100		
72	32.0	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.384 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX033481.D

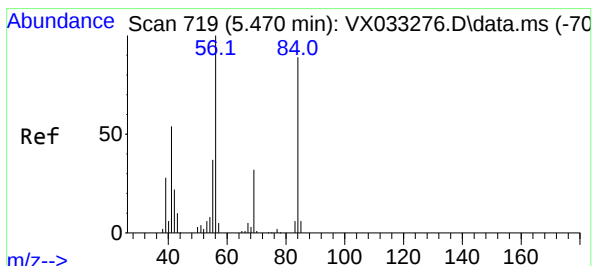
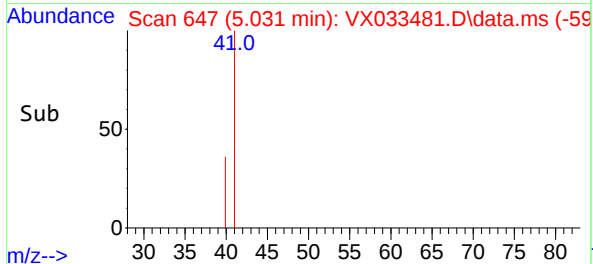
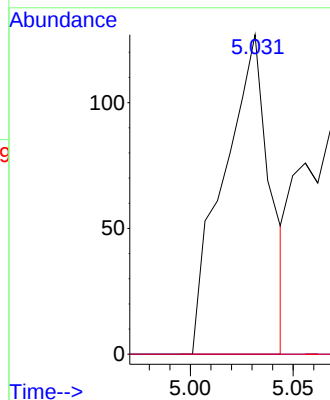
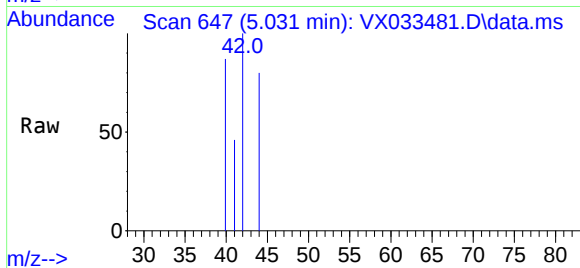
Acq: 19 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	199
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.184 ug/l

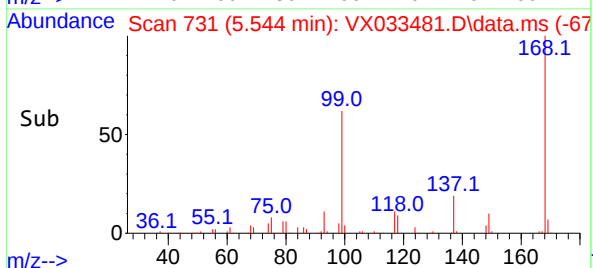
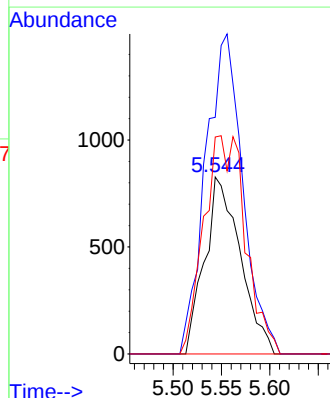
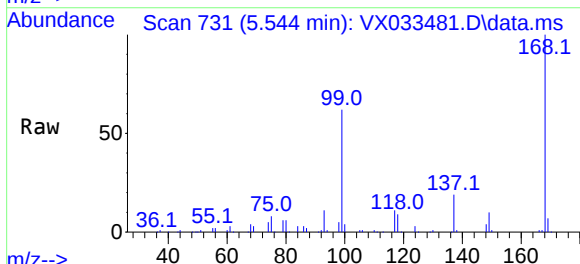
RT: 5.544 min Scan# 731

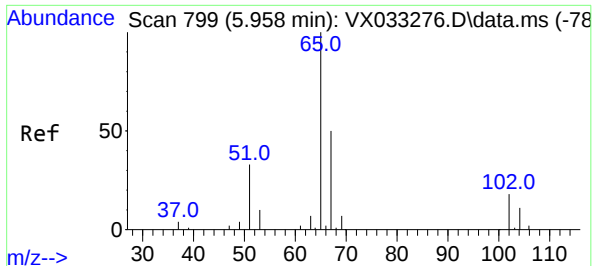
Delta R.T. 0.073 min

Lab File: VX033481.D

Acq: 19 Dec 2022 13:59

Tgt Ion:	56	Resp:	2120
Ion	Ratio	Lower	Upper
56	100		
69	133.7	24.1	36.1#
84	122.6	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.302 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033481.D

Acq: 19 Dec 2022 13:59

Instrument :

MSVOA_X

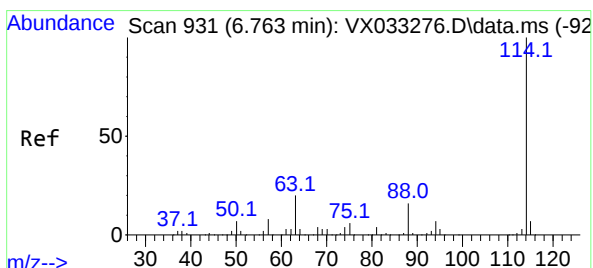
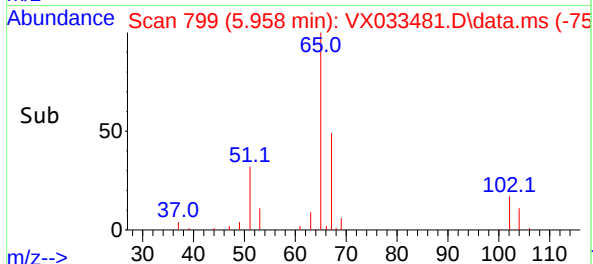
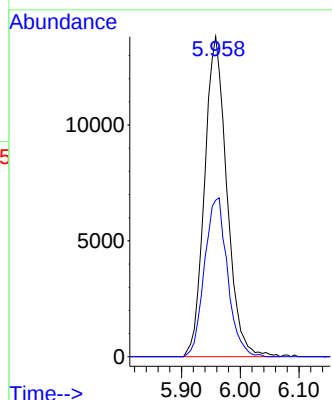
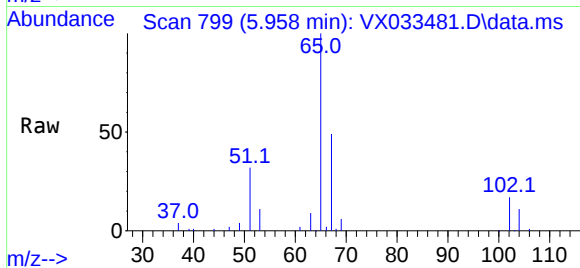
ClientSampleId :

Tgt Ion: 65 Resp: 36407

Ion Ratio Lower Upper

65 100

67 51.2 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: VX033481.D

Acq: 19 Dec 2022 13:59

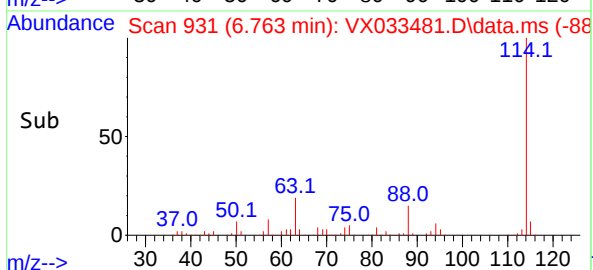
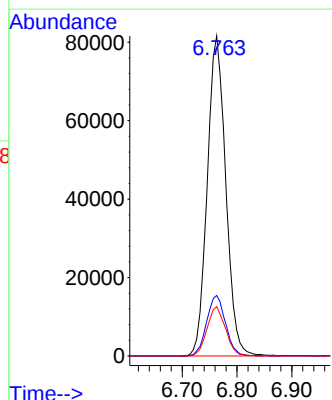
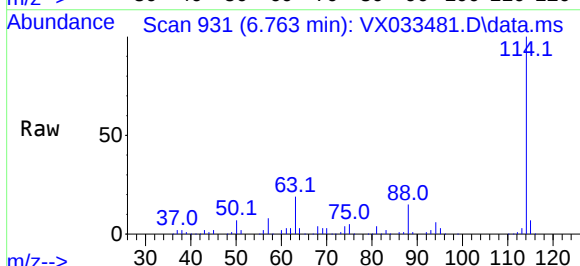
Tgt Ion: 114 Resp: 190898

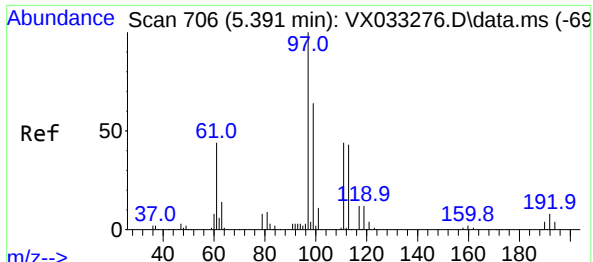
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.6

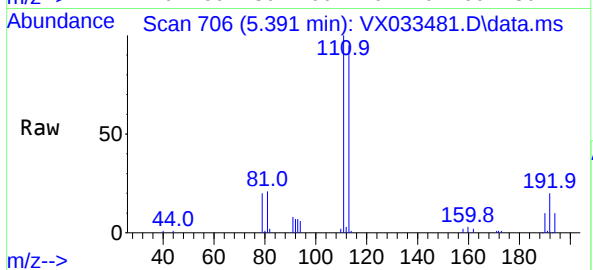
88 15.4 0.0 33.4



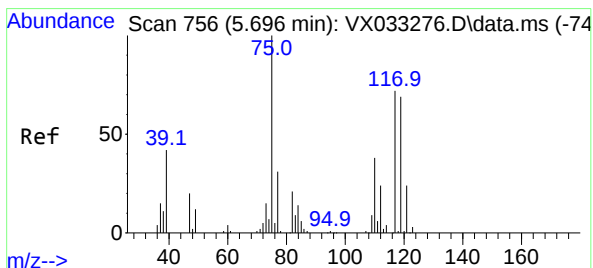
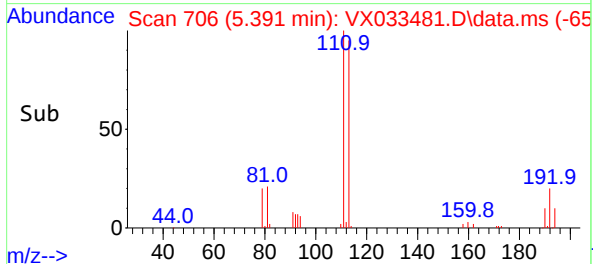
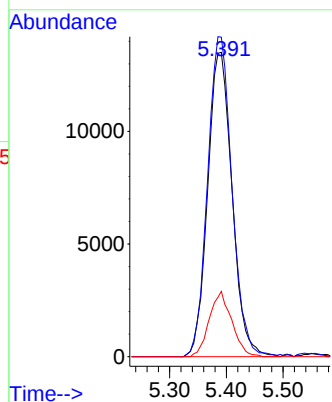


#35
Dibromofluoromethane
Concen: 47.014 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :

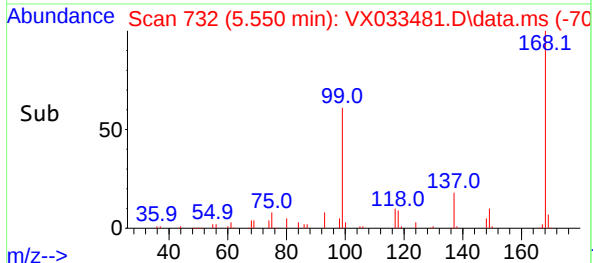
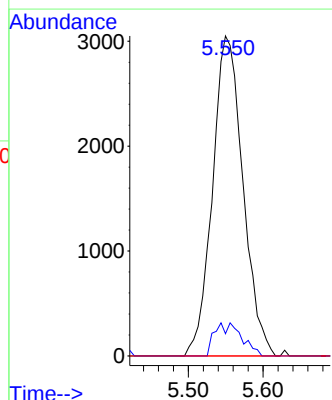
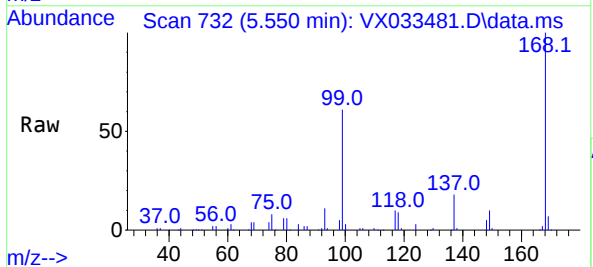


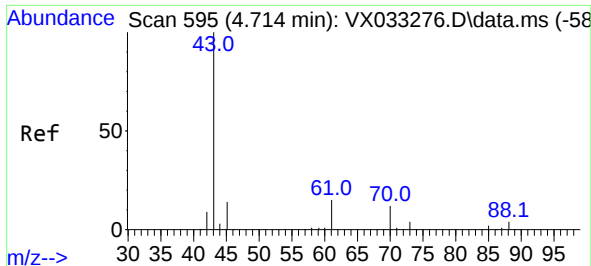
Tgt Ion:113 Resp: 40367
Ion Ratio Lower Upper
113 100
111 104.9 82.4 123.6
192 19.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.158 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 75 Resp: 8635
Ion Ratio Lower Upper
75 100
110 4.1 18.4 55.2#
77 0.0 24.5 36.7#

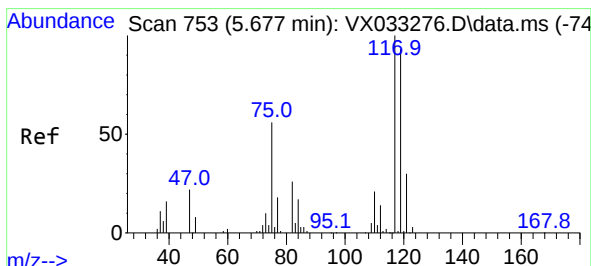
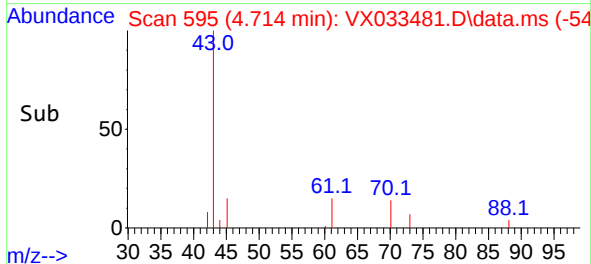
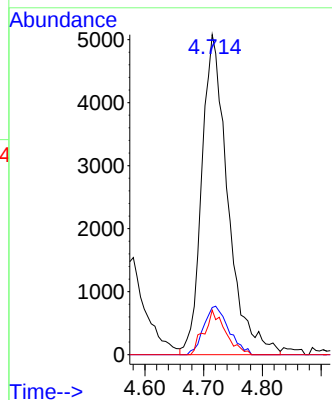
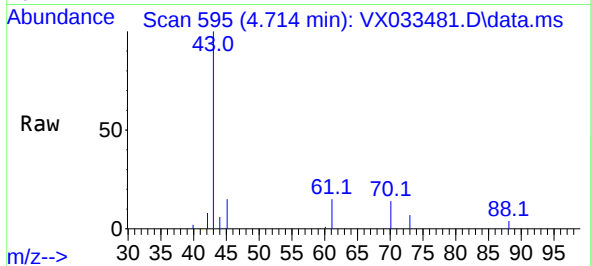




#37
Ethyl Acetate
Concen: 9.911 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

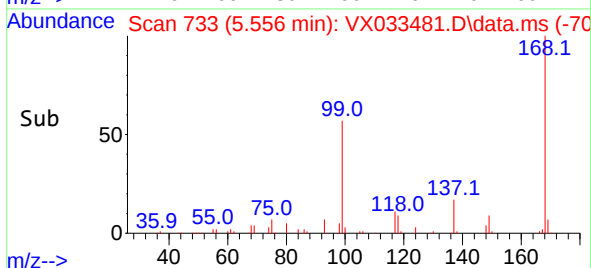
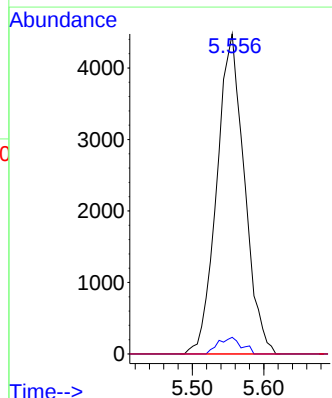
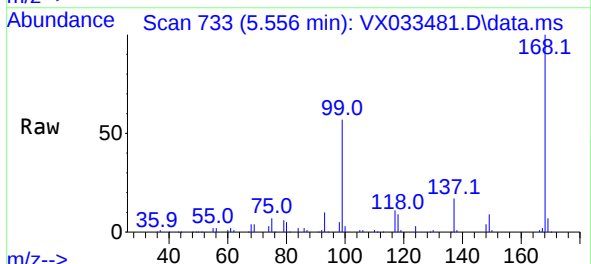
Instrument :
MSVOA_X
ClientSampleId :

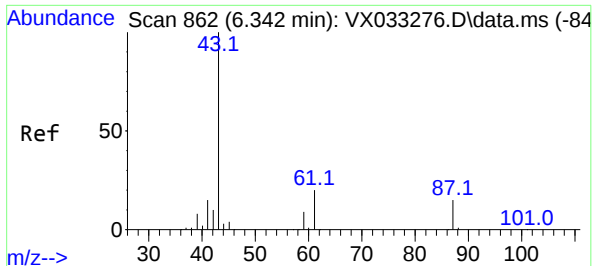
Tgt Ion:	43	Resp:	15683
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.5	9.1	13.7



#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion:	117	Resp:	11997
Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.2	115.8#
121	0.0	25.8	38.6#

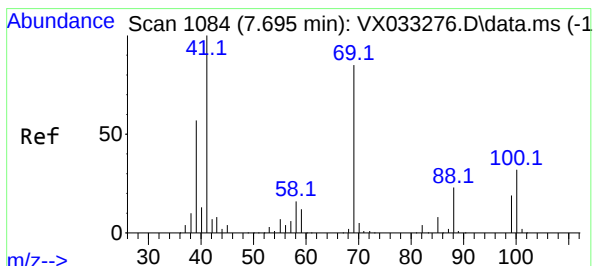
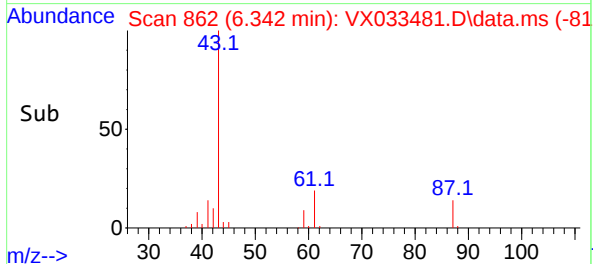
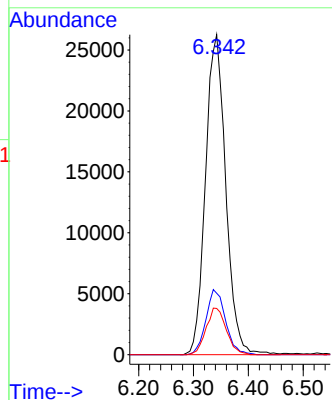
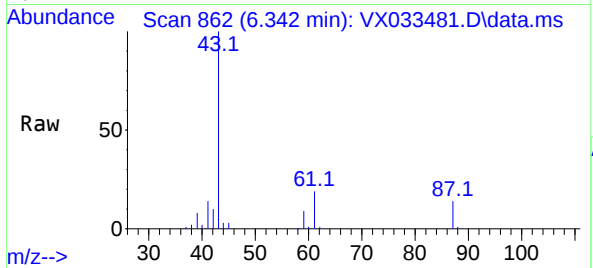




#43
Isopropyl Acetate
Concen: 26.434 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

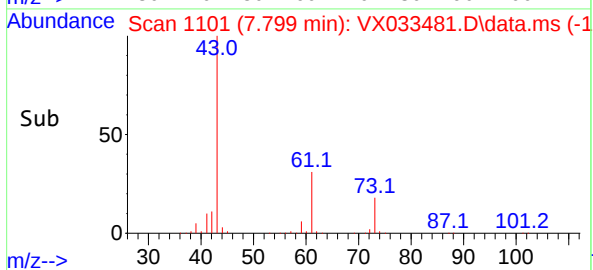
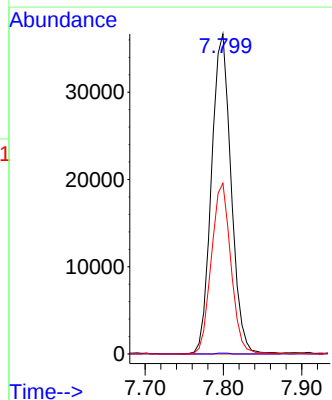
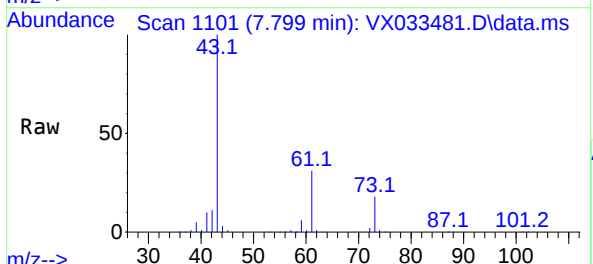
Instrument :
MSVOA_X
ClientSampleId :

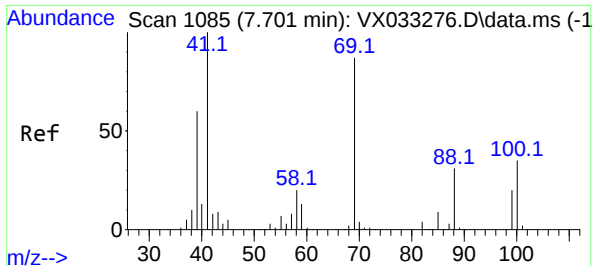
Tgt Ion: 43 Resp: 67304
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0
87 14.5 10.8 16.2



#48
Methyl methacrylate
Concen: 48.595 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 41 Resp: 63857
Ion Ratio Lower Upper
41 100
69 0.2 65.1 97.7#
39 53.2 51.9 77.9





#49

1,4-Dioxane

Concen: 2.069 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033481.D

Acq: 19 Dec 2022 13:59

Instrument :

MSVOA_X

ClientSampleId :

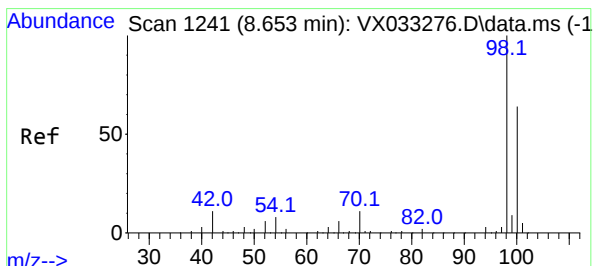
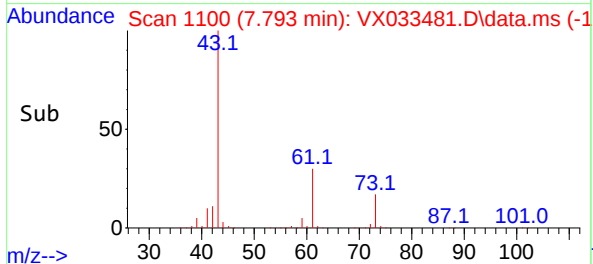
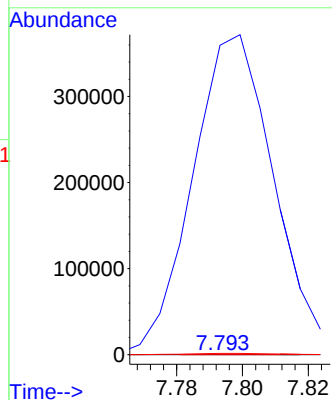
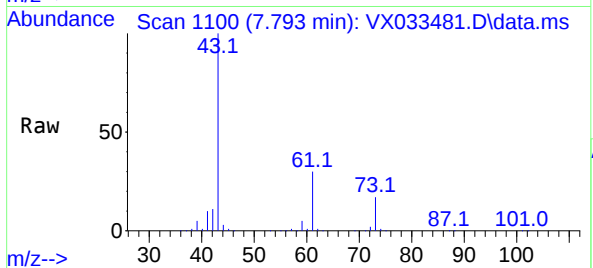
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 1039764.5 26.6 39.8#

58 4366.1 51.7 77.5#



#50

Toluene-d8

Concen: 47.236 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033481.D

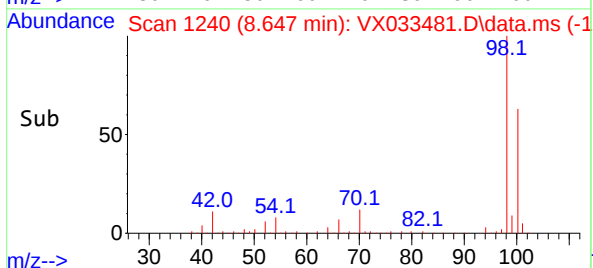
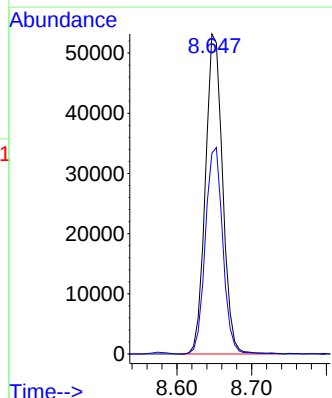
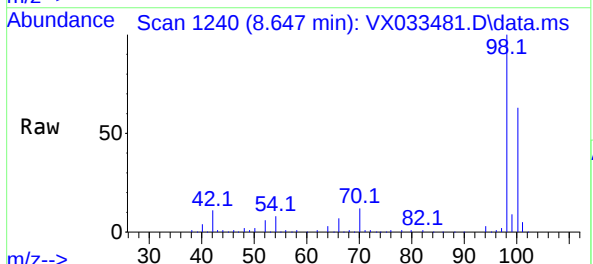
Acq: 19 Dec 2022 13:59

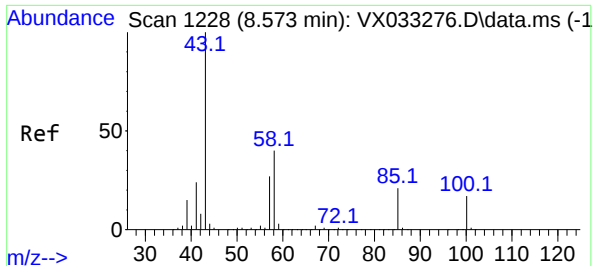
Tgt Ion: 98 Resp: 84845

Ion Ratio Lower Upper

98 100

100 65.5 50.9 76.3

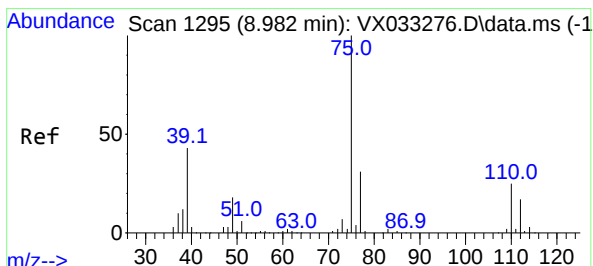
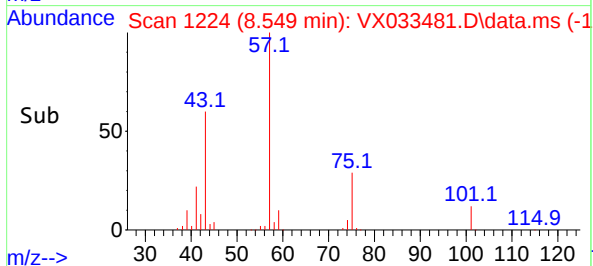
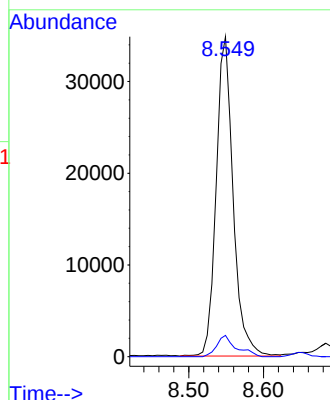
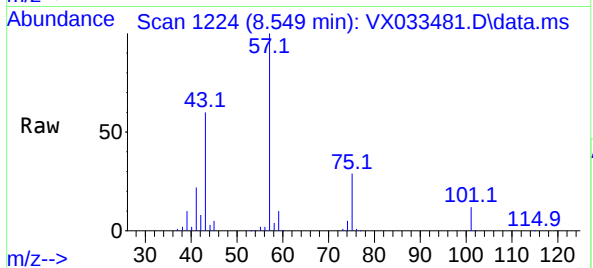




#51
4-Methyl-2-Pentanone
Concen: 34.140 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

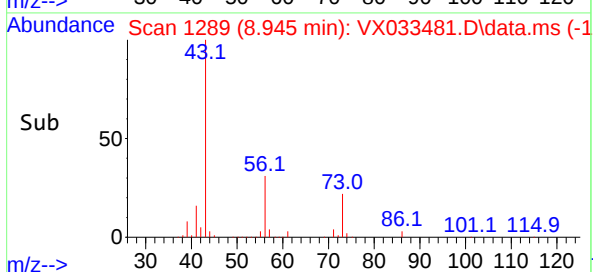
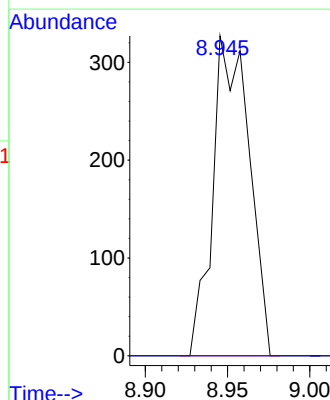
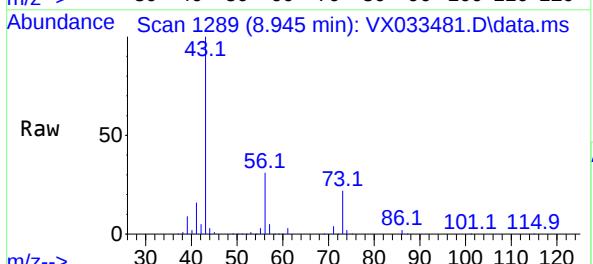
Instrument :
MSVOA_X
ClientSampleId :

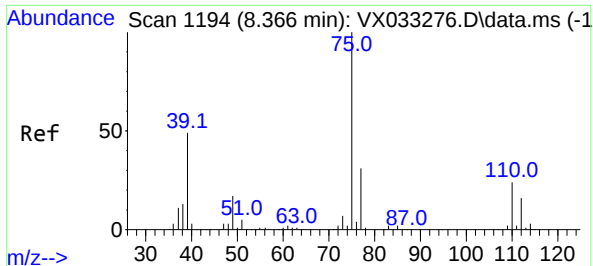
Tgt Ion: 43 Resp: 54970
Ion Ratio Lower Upper
43 100
58 7.6 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.746 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.037 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 75 Resp: 503
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

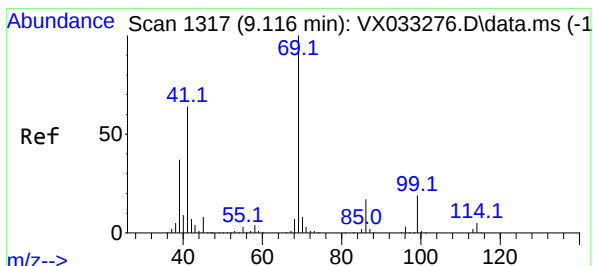
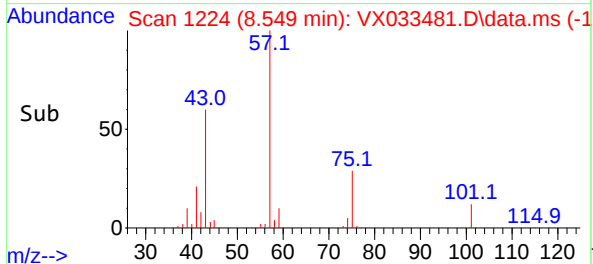
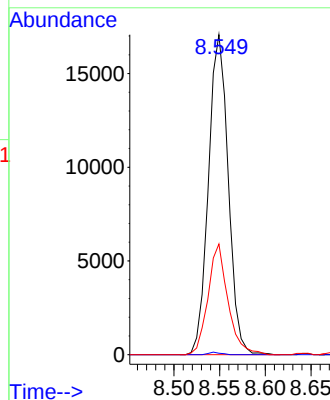
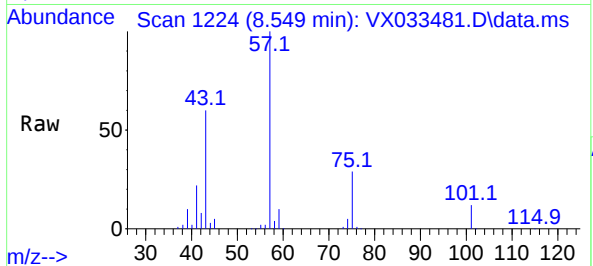




#54
cis-1,3-Dichloropropene
Concen: 13.004 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

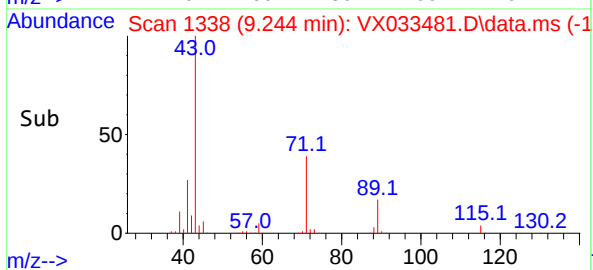
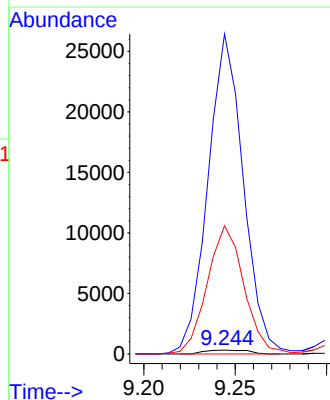
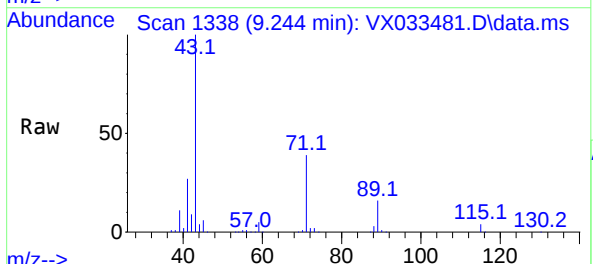
Instrument :
MSVOA_X
ClientSampleId :

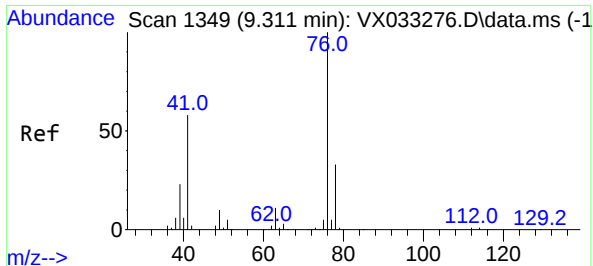
Tgt Ion: 75 Resp: 25650
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 34.6 45.5 68.3#



#56
Ethyl methacrylate
Concen: 0.284 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 69 Resp: 530
Ion Ratio Lower Upper
69 100
41 6731.3 54.3 81.5#
39 2793.8 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.613 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033481.D

Acq: 19 Dec 2022 13:59

Instrument :

MSVOA_X

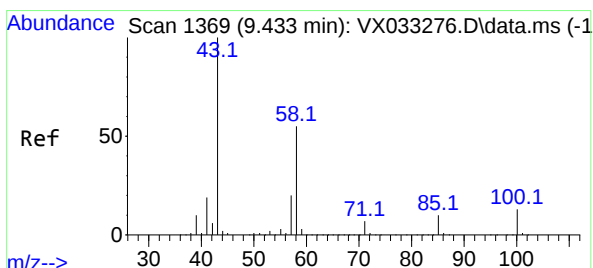
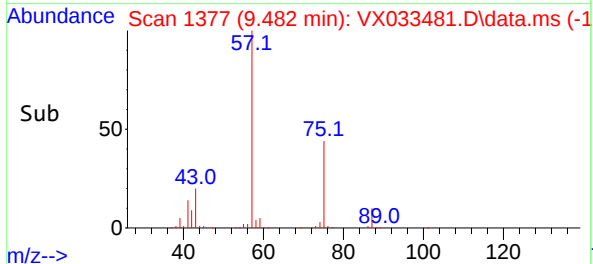
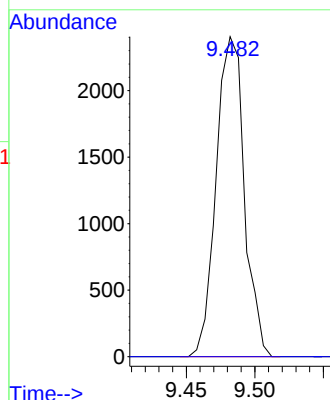
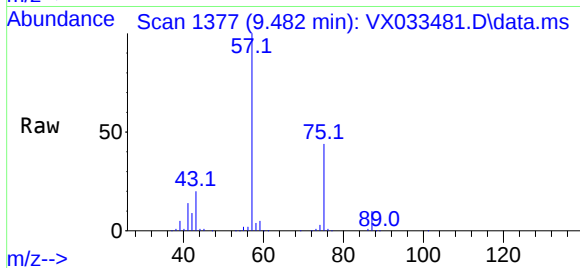
ClientSampleId :

Tgt Ion: 76 Resp: 3438

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 38.494 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033481.D

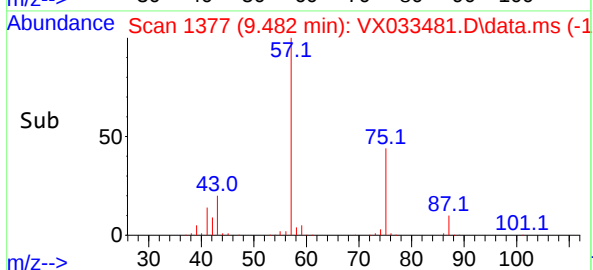
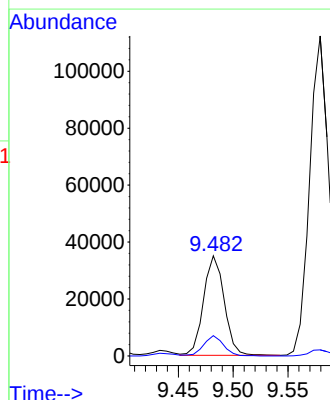
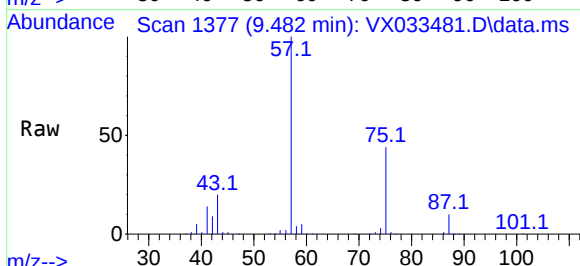
Acq: 19 Dec 2022 13:59

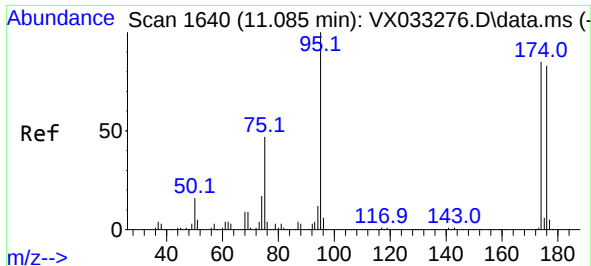
Tgt Ion: 43 Resp: 45676

Ion Ratio Lower Upper

43 100

58 19.8 26.5 79.5#

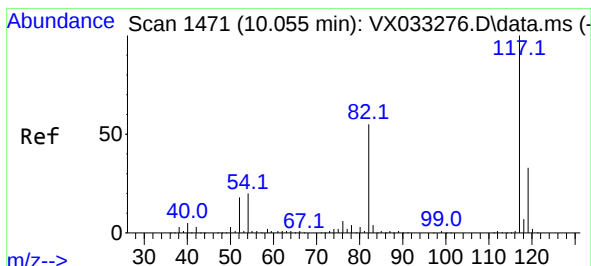
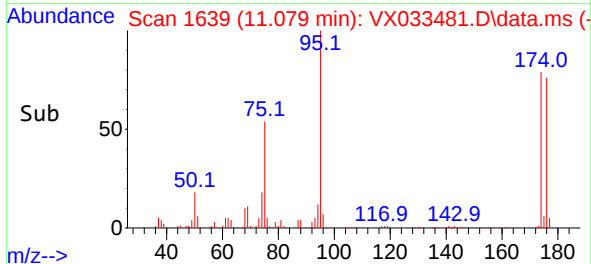
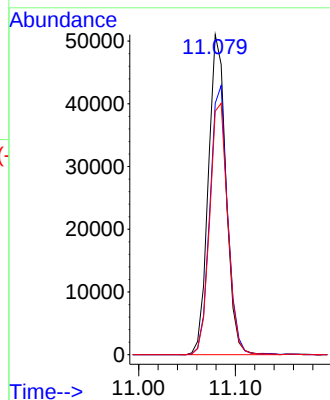
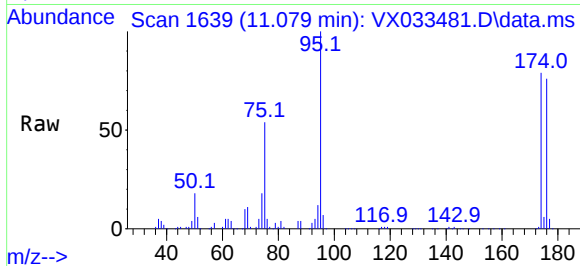




#62
4-Bromofluorobenzene
Concen: 47.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

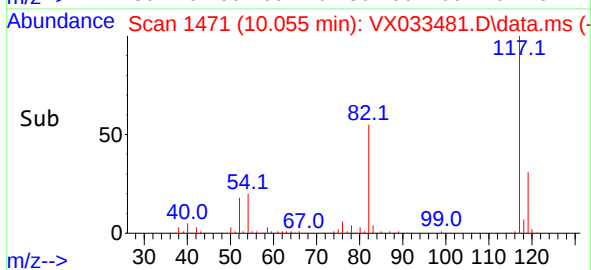
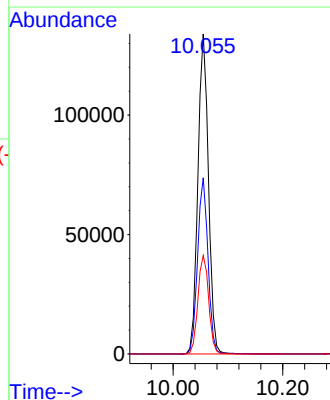
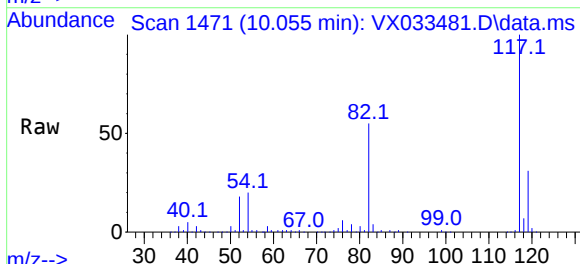
Instrument :
MSVOA_X
ClientSampleId :

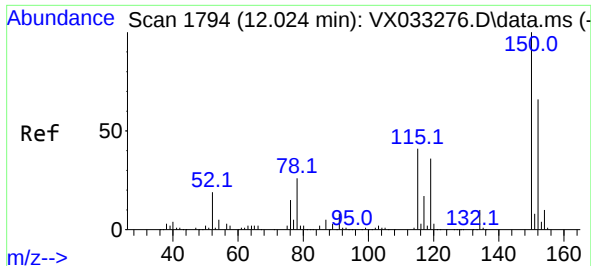
Tgt Ion: 95 Resp: 64993
Ion Ratio Lower Upper
95 100
174 84.3 0.0 164.0
176 80.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

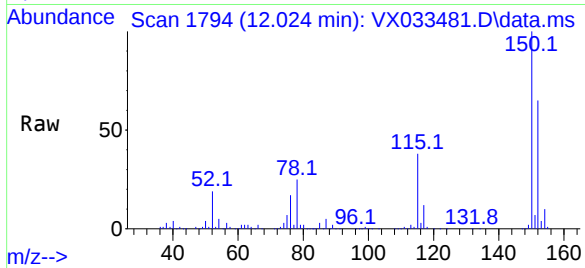
Tgt Ion: 117 Resp: 179988
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 30.8 25.7 38.5



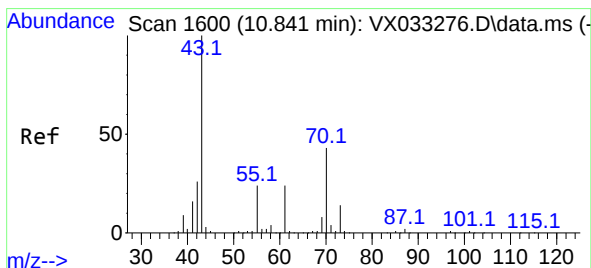
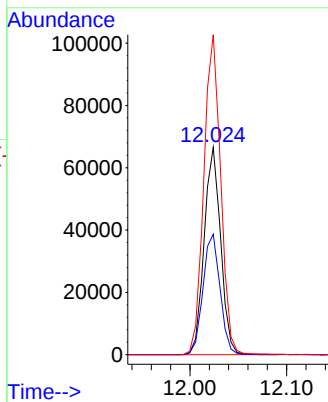
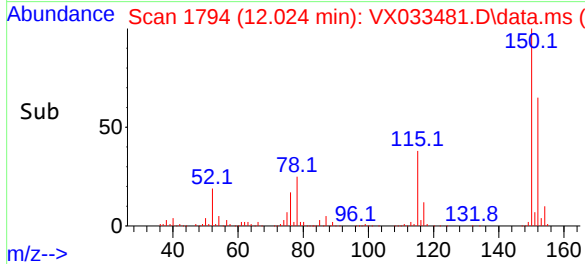


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

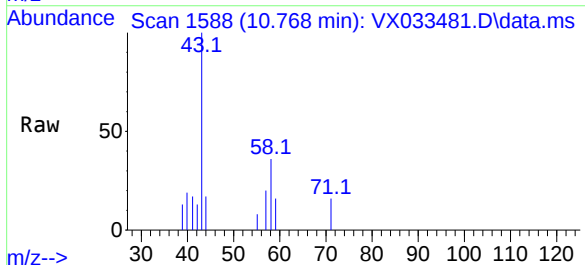
Instrument :
MSVOA_X
ClientSampleId :



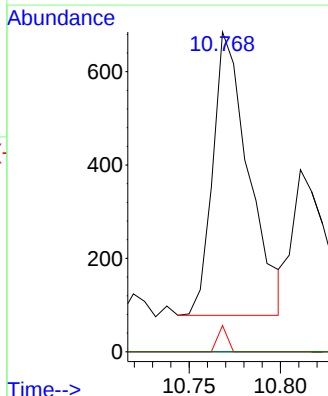
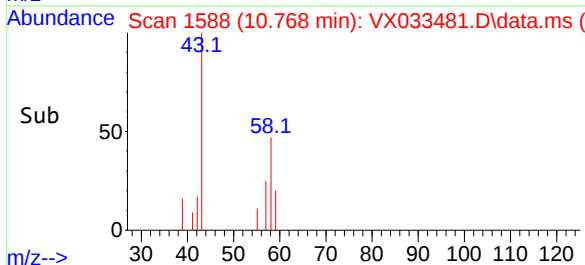
Tgt Ion:152 Resp: 79210
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 157.9 0.0 351.8

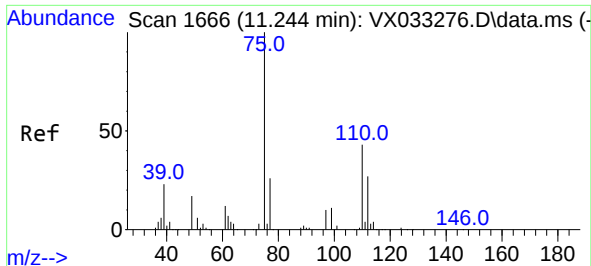


#74
N-ethyl acetate
Concen: 0.423 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59



Tgt Ion: 43 Resp: 829
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#

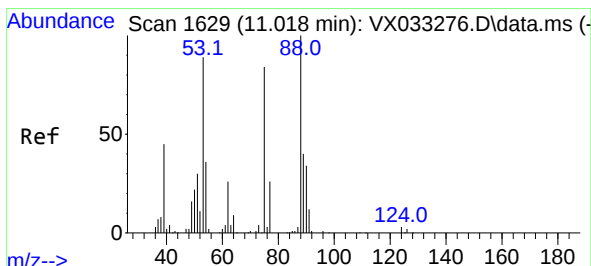
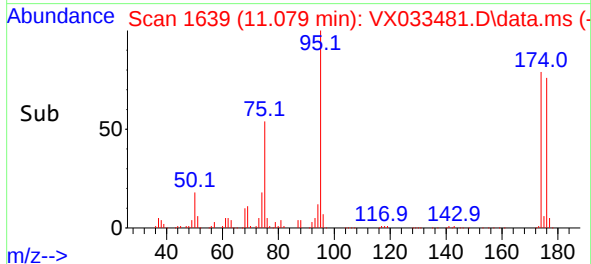
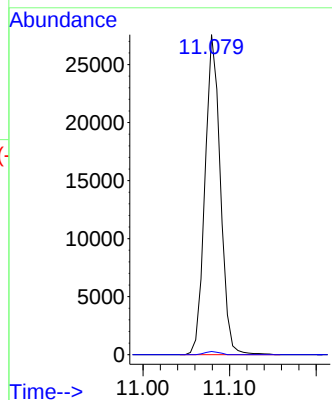
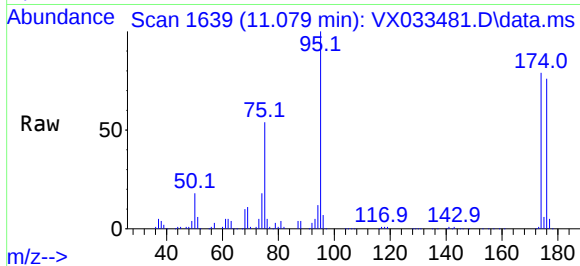




#76
1,2,3-Trichloropropane
Concen: 21.116 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34030
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.687 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033481.D
Acq: 19 Dec 2022 13:59

Tgt Ion: 75 Resp: 34030
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

