

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033476.D
 Acq On : 19 Dec 2022 12:04
 Operator : JC/MD
 Sample : PB149705TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 04:59:57 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)

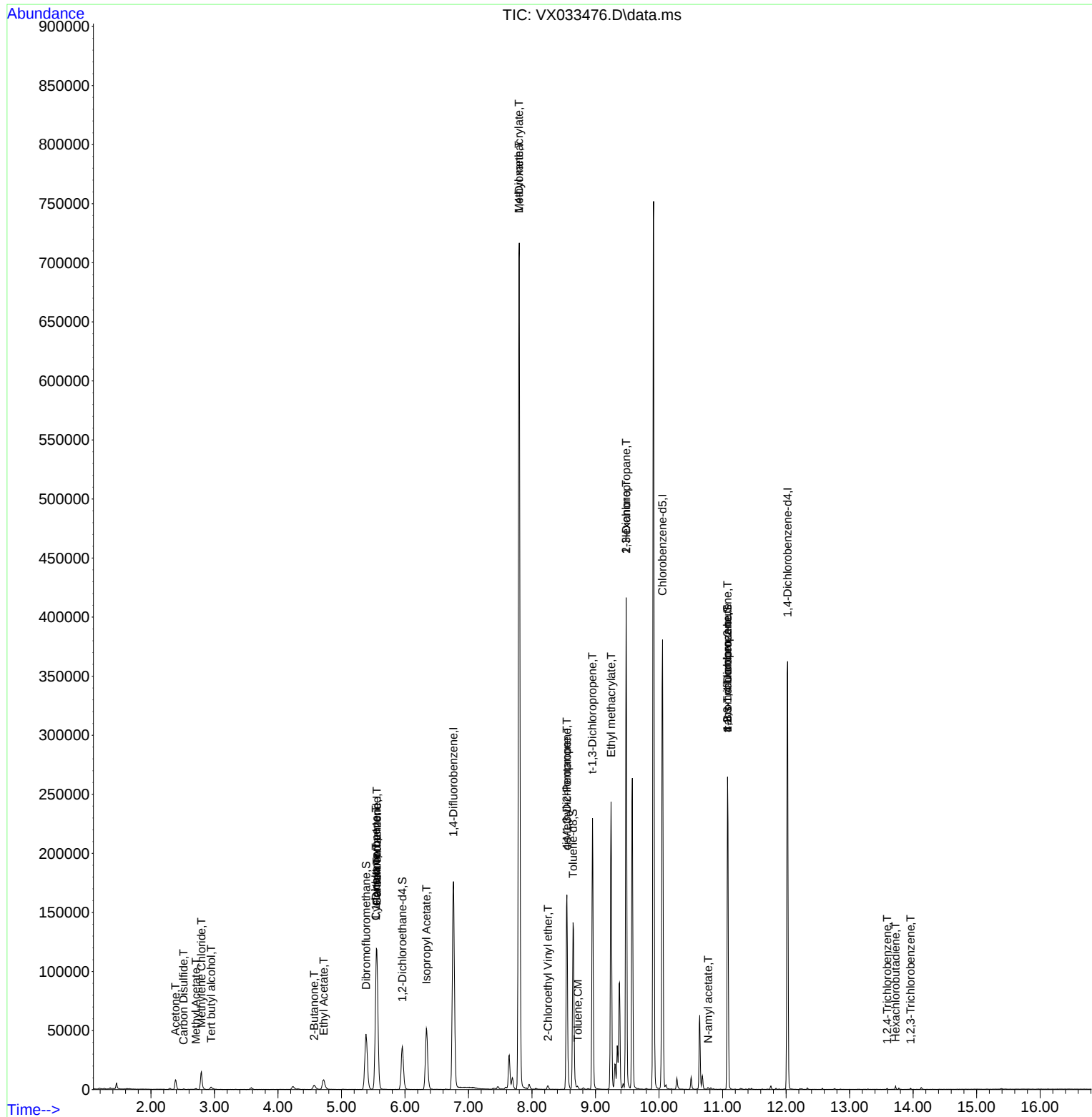
Internal Standards						
1) Pentafluorobenzene	5.556	168	117170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	184740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36507	48.567	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.140%
35) Dibromofluoromethane	5.385	113	40840	49.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	8.647	98	86521	49.775	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.540%
62) 4-Bromofluorobenzene	11.079	95	67719	50.951	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2289	9.960	ug/l #	72
16) Acetone	2.386	43	9927	17.847	ug/l	99
17) Carbon Disulfide	2.514	76	558	0.205	ug/l #	74
18) Methyl Acetate	2.709	43	913	0.567	ug/l #	83
20) Methylene Chloride	2.794	84	7575	6.106	ug/l	88
25) 2-Butanone	4.568	43	5383	6.742	ug/l	94
31) Cyclohexane	5.544	56	2240	1.254	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	8470	5.228	ug/l #	50
37) Ethyl Acetate	4.721	43	15881	10.370	ug/l	99
38) Carbon Tetrachloride	5.556	117	11829	6.517	ug/l #	15
43) Isopropyl Acetate	6.336	43	68692	27.878	ug/l	98
48) Methyl methacrylate	7.793	41	64027	50.349	ug/l #	42
49) 1,4-Dioxane	7.793	88	55	1.897	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56372	36.178	ug/l #	49
52) Toluene	8.720	92	695	0.228	ug/l	91
53) t-1,3-Dichloropropene	8.952	75	557	2.780	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26400	13.830	ug/l #	59
56) Ethyl methacrylate	9.244	69	586	0.324	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3345	1.622	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.251	63	1382	1.671	ug/l	98
59) 2-Hexanone	9.482	43	46597	40.580	ug/l #	53
74) N-amyl acetate	10.774	43	1036	0.529	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35114	21.805	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35114	67.827	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	342	0.216	ug/l #	91
94) Hexachlorobutadiene	13.725	225	490	0.772	ug/l	92
96) 1,2,3-Trichlorobenzene	13.963	180	332	0.207	ug/l	95

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

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Sample : PB149705TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

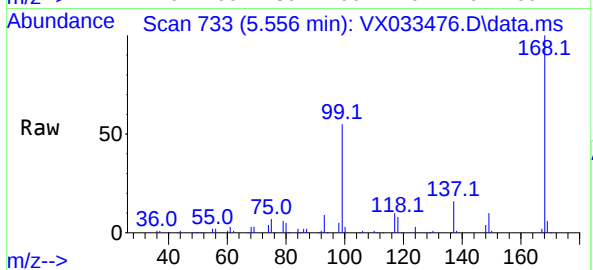
Quant Time: Dec 20 04:59:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



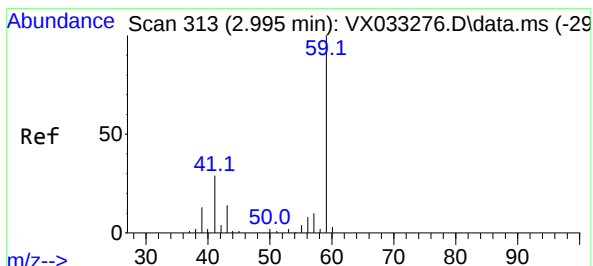
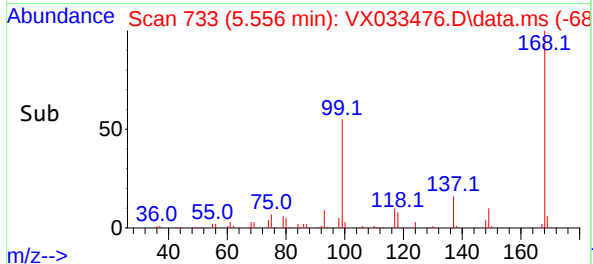
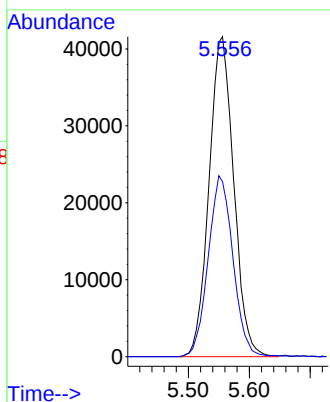


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Instrument :
MSVOA_X
ClientSampleId :

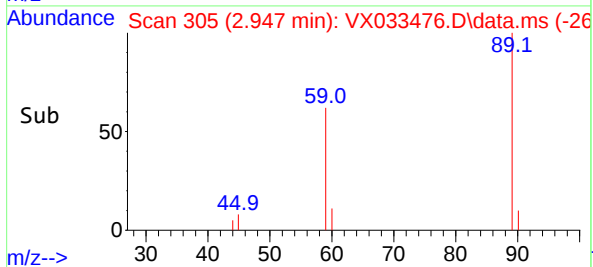
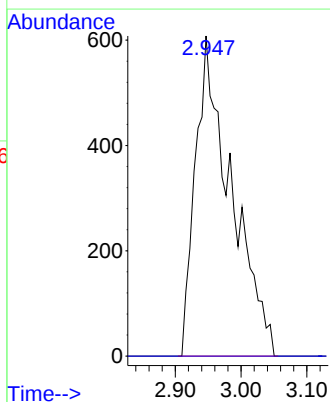
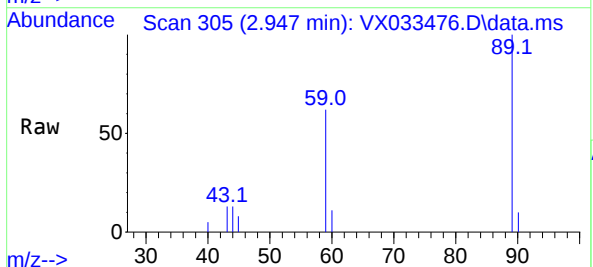


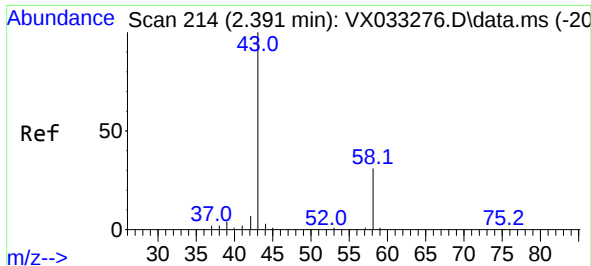
Tgt Ion:168 Resp: 117170
Ion Ratio Lower Upper
168 100
99 54.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 9.960 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 59 Resp: 2289
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

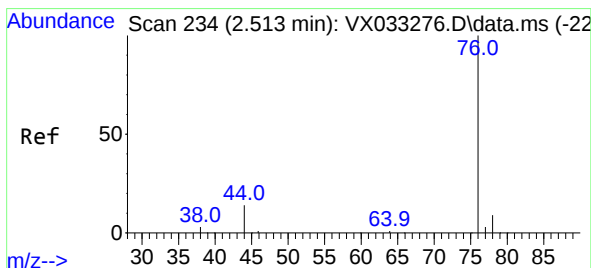
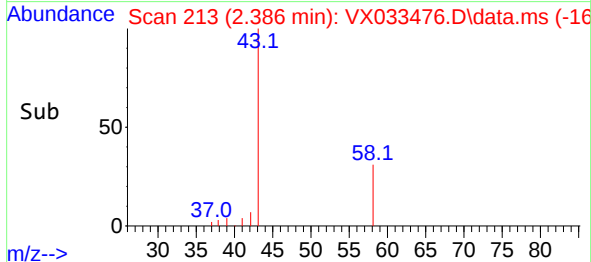
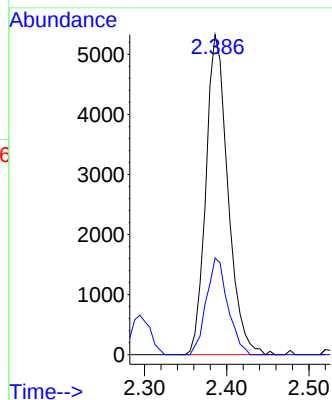
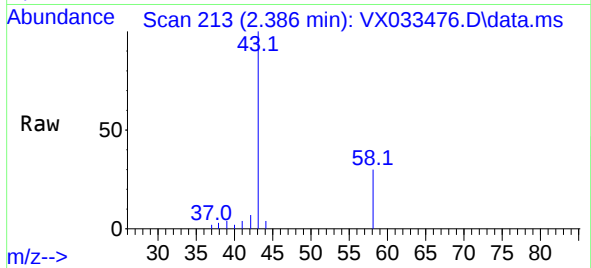




#16
Acetone
Concen: 17.847 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

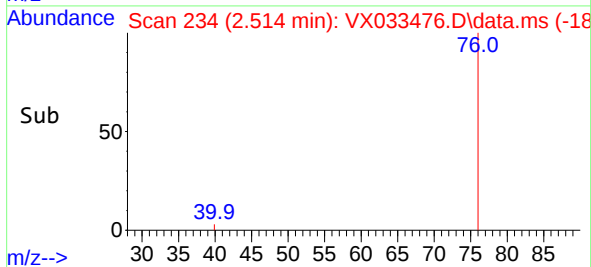
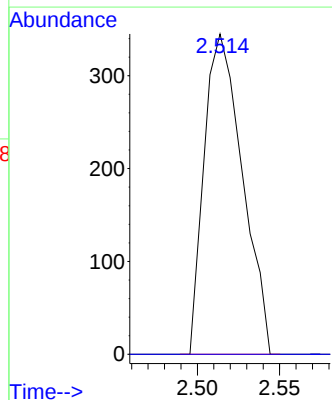
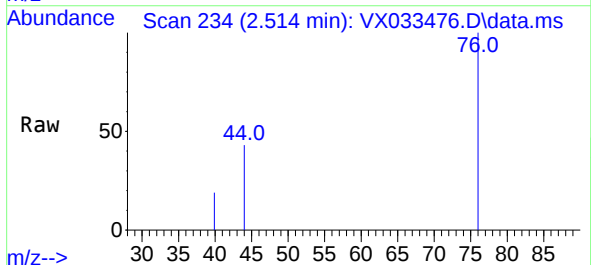
Instrument :
MSVOA_X
ClientSampleId :

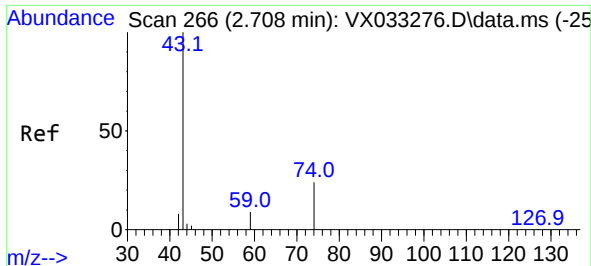
Tgt Ion: 43 Resp: 9927
Ion Ratio Lower Upper
43 100
58 30.2 23.8 35.8



#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 76 Resp: 558
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

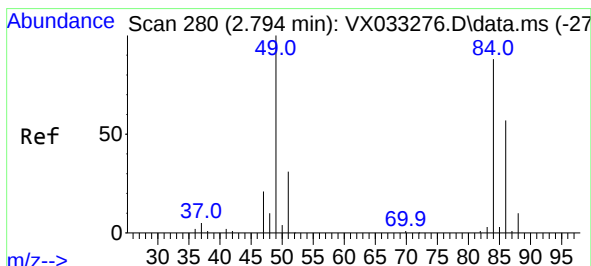
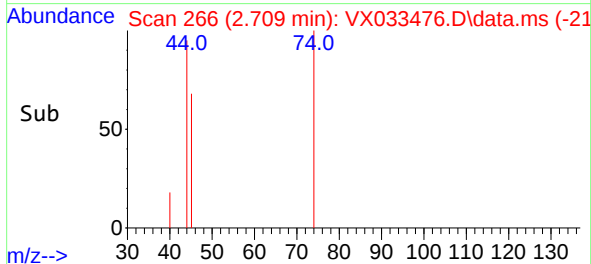
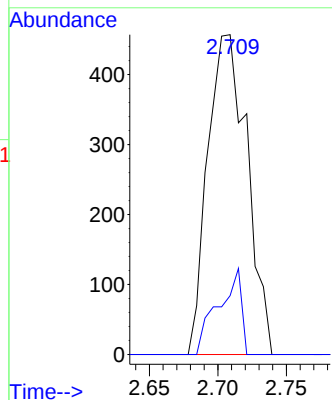
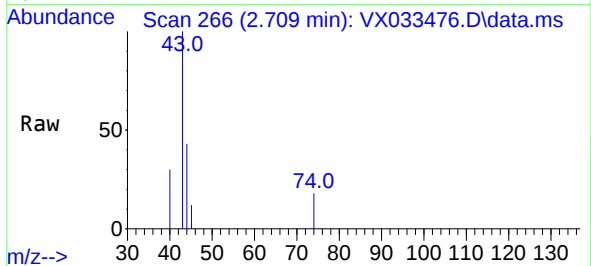




#18
Methyl Acetate
Concen: 0.567 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

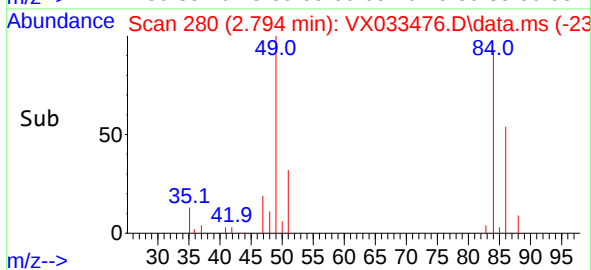
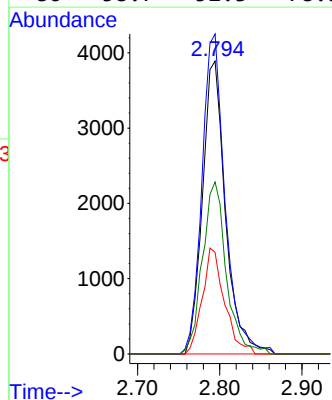
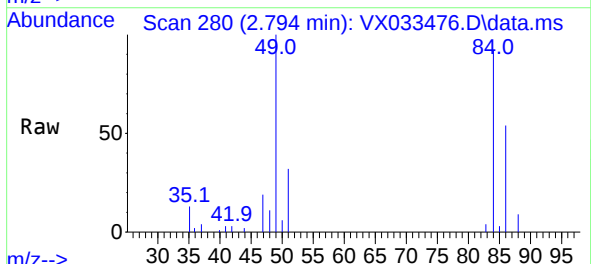
Instrument :
MSVOA_X
ClientSampleId :

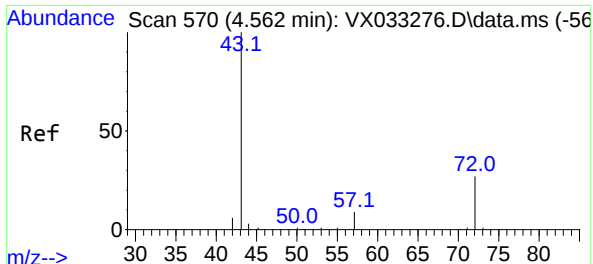
Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
74 15.8 19.4 29.0#



#20
Methylene Chloride
Concen: 6.106 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 84 Resp: 7575
Ion Ratio Lower Upper
84 100
49 109.3 101.0 151.6
51 34.7 31.1 46.7
86 58.7 52.3 78.5





#25

2-Butanone

Concen: 6.742 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

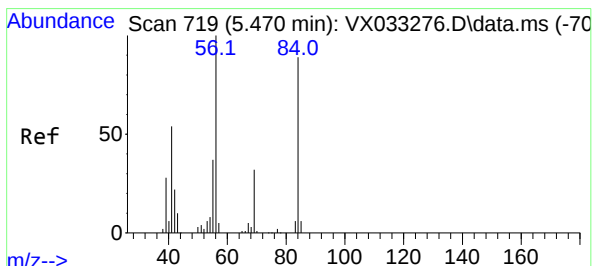
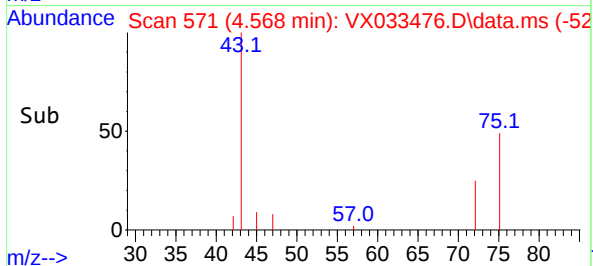
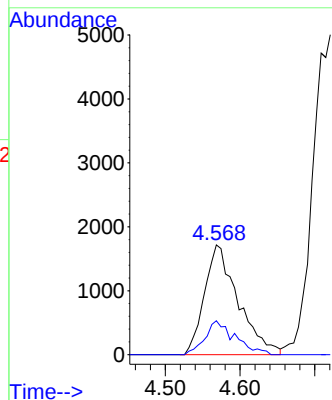
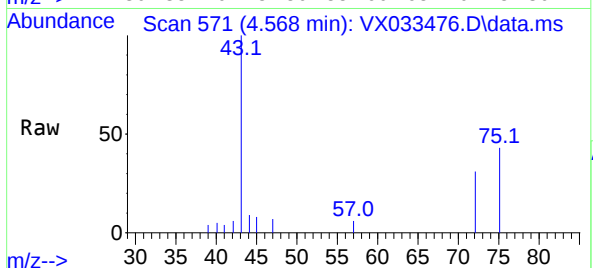
ClientSampleId :

Tgt Ion: 43 Resp: 5383

Ion Ratio Lower Upper

43 100

72 30.8 22.2 33.2



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

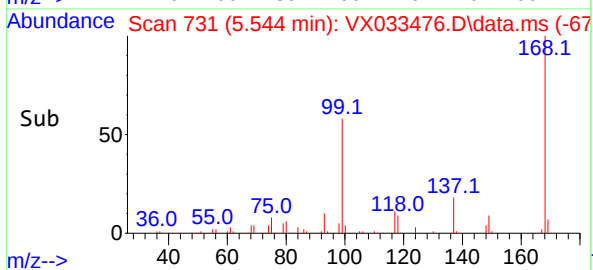
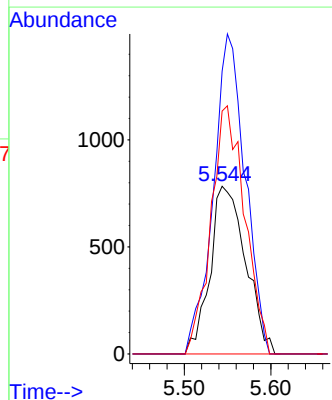
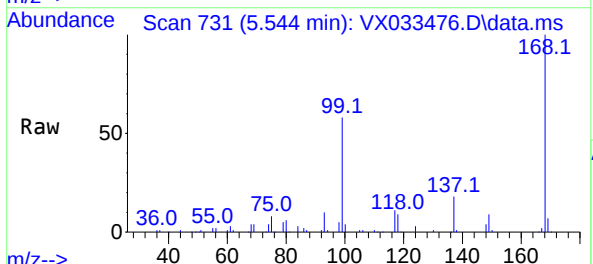
Tgt Ion: 56 Resp: 2240

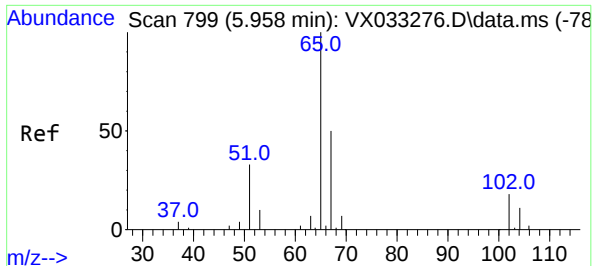
Ion Ratio Lower Upper

56 100

69 168.7 24.1 36.1#

84 145.0 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.567 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

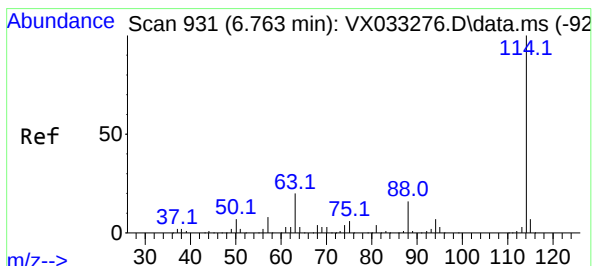
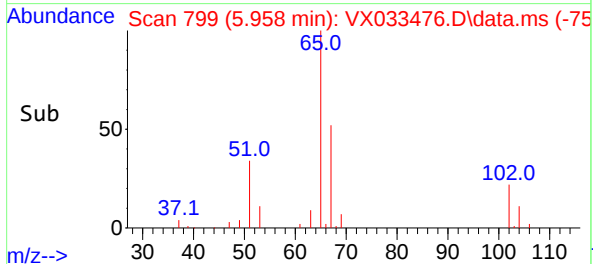
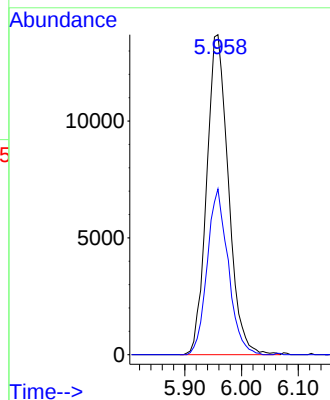
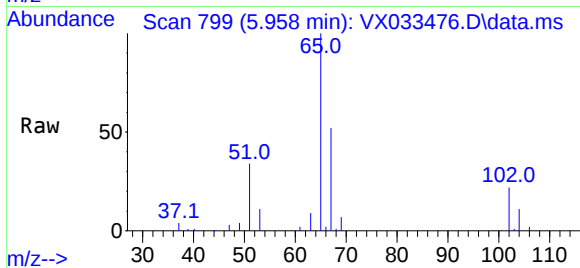
ClientSampleId :

Tgt Ion: 65 Resp: 36507

Ion Ratio Lower Upper

65 100

67 50.1 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: VX033476.D

Acq: 19 Dec 2022 12:04

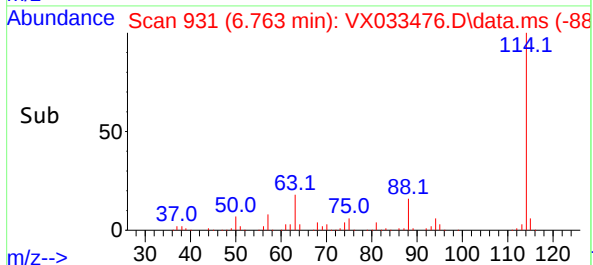
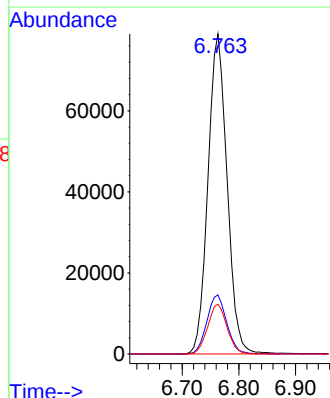
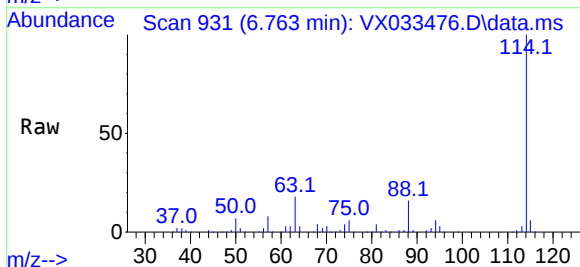
Tgt Ion:114 Resp: 184740

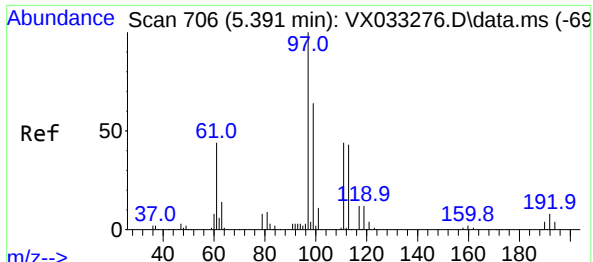
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

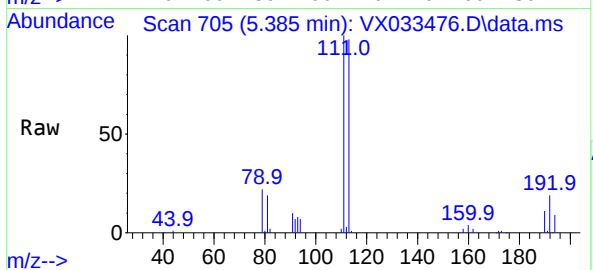
88 15.5 0.0 33.4



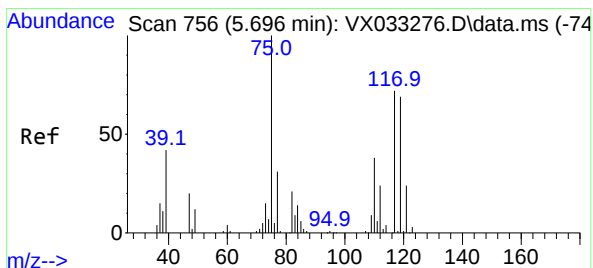
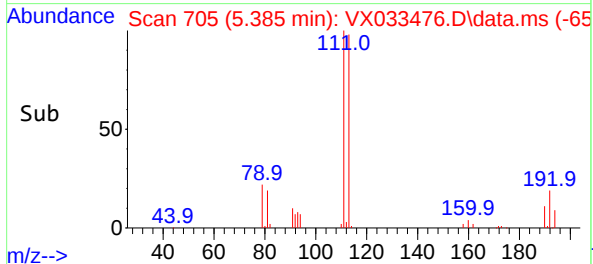
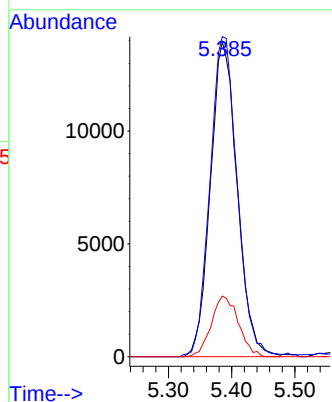


#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Instrument :
MSVOA_X
ClientSampleId :

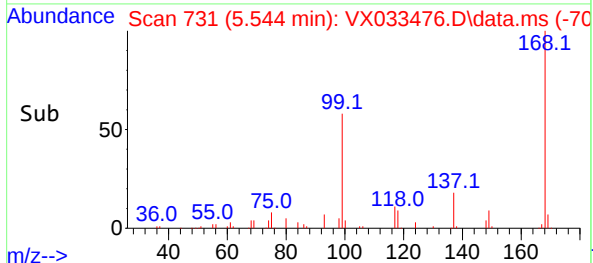
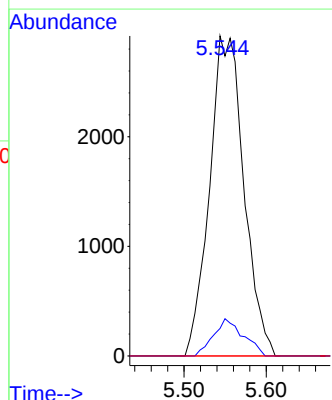
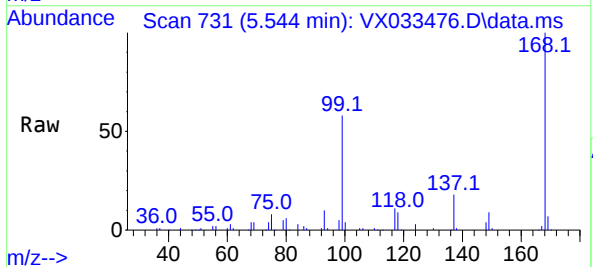


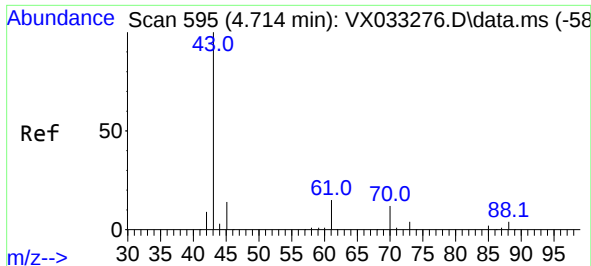
Tgt Ion:113 Resp: 40840
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 75 Resp: 8470
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.370 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

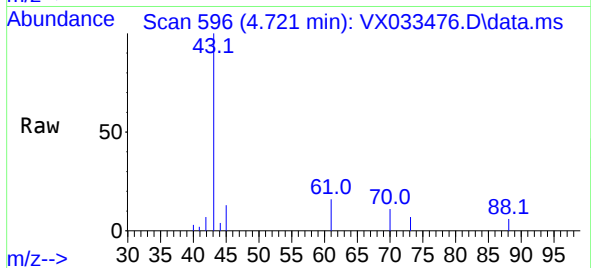
Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

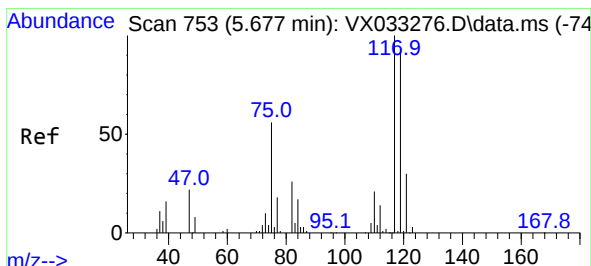
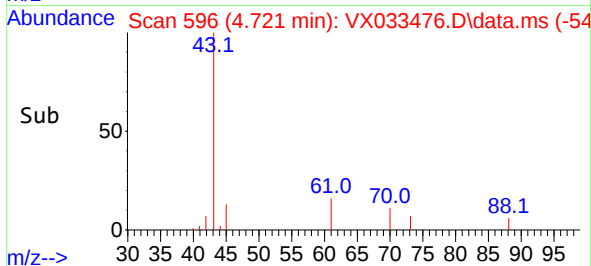
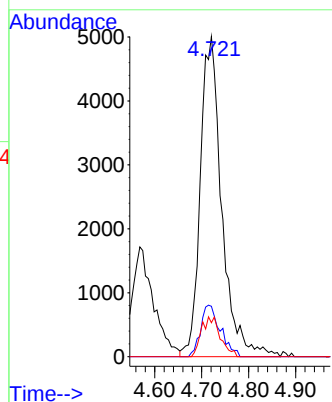
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	15881
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.0	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.517 ug/l

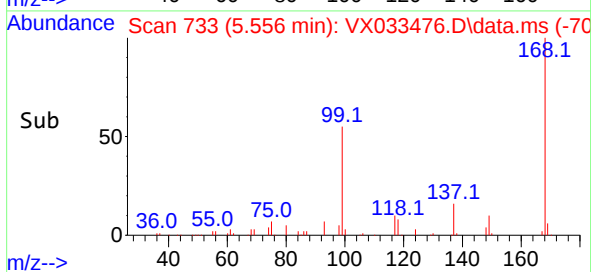
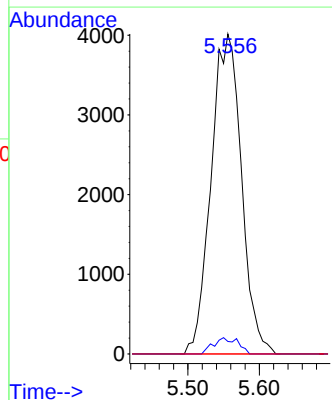
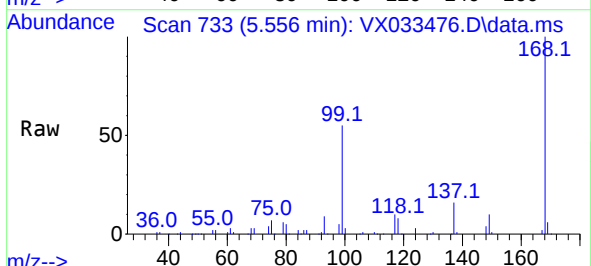
RT: 5.556 min Scan# 733

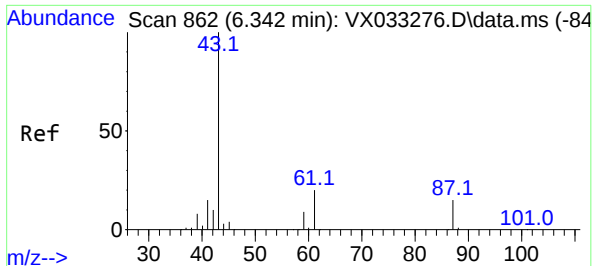
Delta R.T. -0.122 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Tgt Ion:	117	Resp:	11829
Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.2	115.8#
121	0.0	25.8	38.6#





#43

Isopropyl Acetate

Concen: 27.878 ug/l

RT: 6.336 min Scan# 8

Delta R.T. -0.006 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

ClientSampleId :

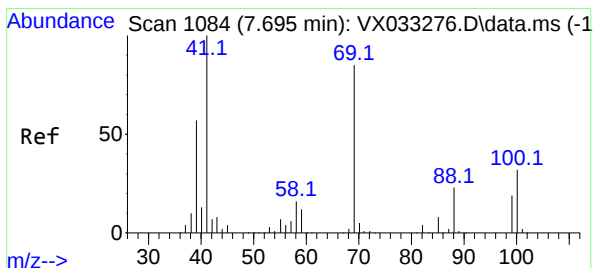
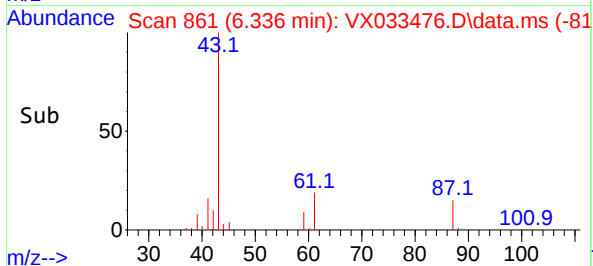
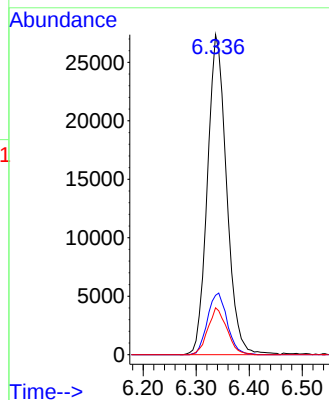
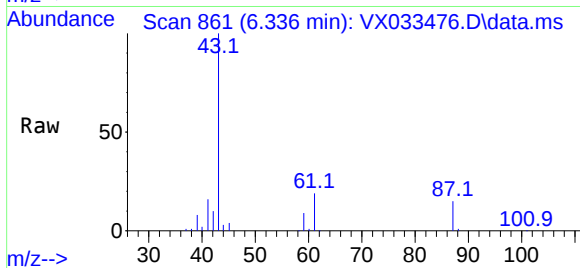
Tgt Ion: 43 Resp: 68692

Ion Ratio Lower Upper

43 100

61 19.8 15.4 23.0

87 14.5 10.8 16.2



#48

Methyl methacrylate

Concen: 50.349 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

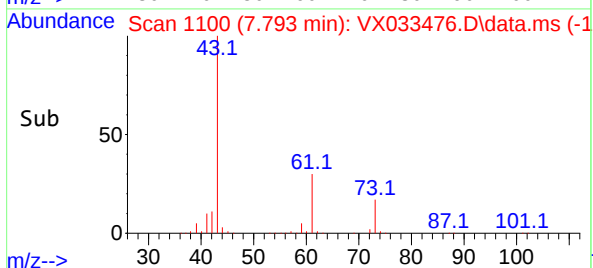
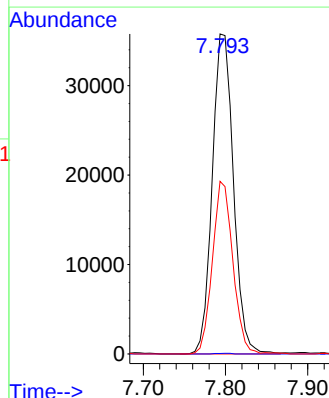
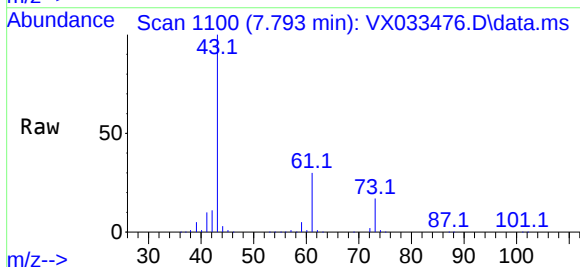
Tgt Ion: 41 Resp: 64027

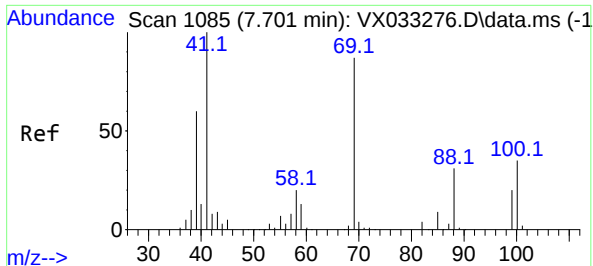
Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 52.2 51.9 77.9





#49

1,4-Dioxane

Concen: 1.897 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

ClientSampleId :

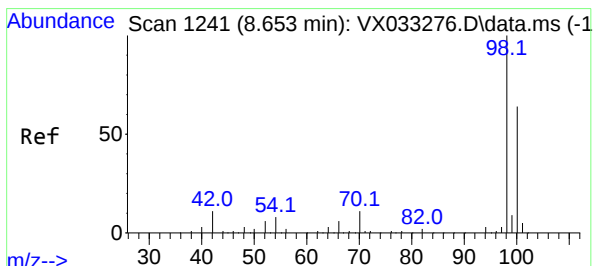
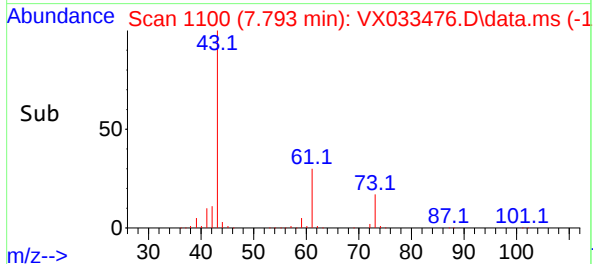
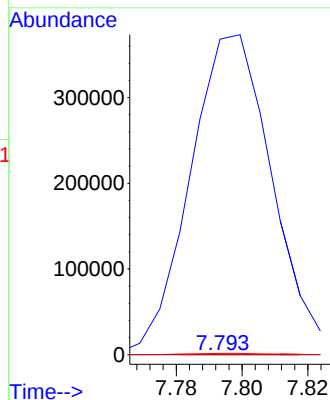
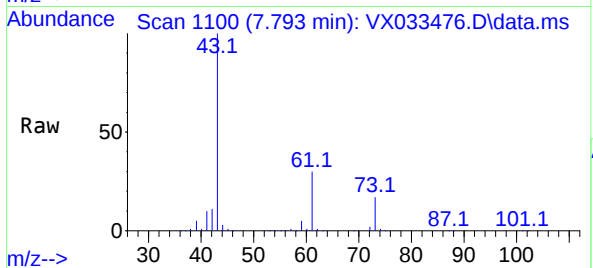
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 1191532.7 26.6 39.8#

58 4994.5 51.7 77.5#



#50

Toluene-d8

Concen: 49.775 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033476.D

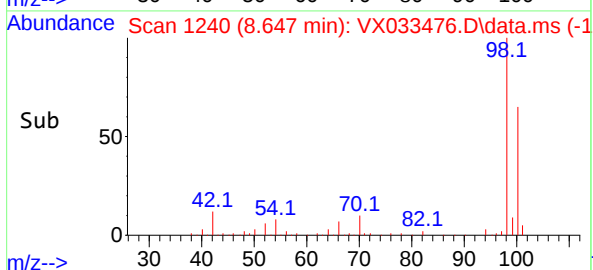
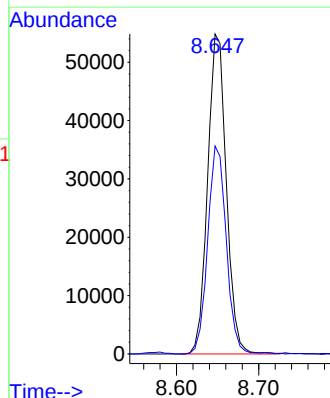
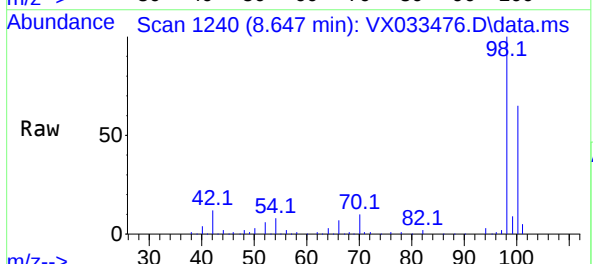
Acq: 19 Dec 2022 12:04

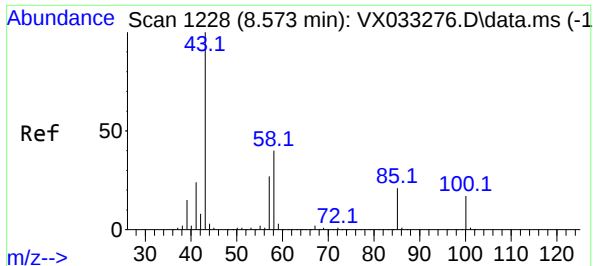
Tgt Ion: 98 Resp: 86521

Ion Ratio Lower Upper

98 100

100 64.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 36.178 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

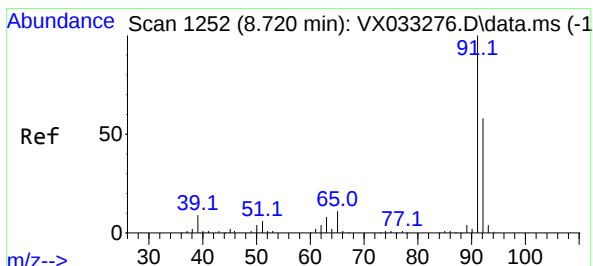
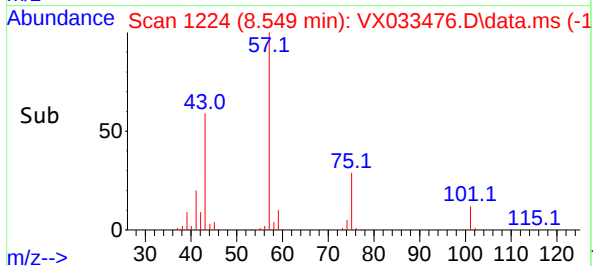
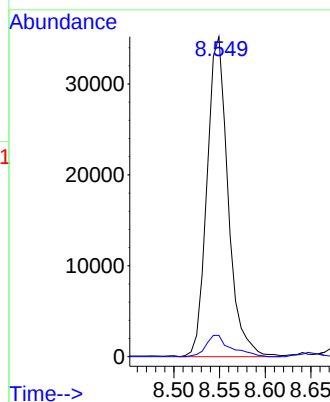
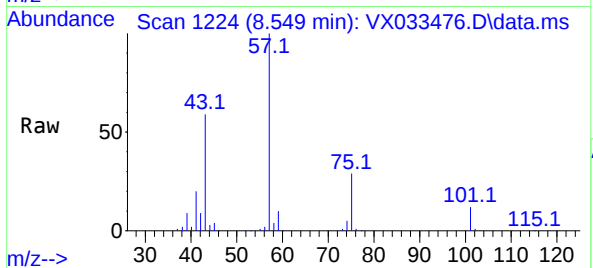
ClientSampleId :

Tgt Ion: 43 Resp: 56372

Ion Ratio Lower Upper

43 100

58 7.8 30.9 46.3#



#52

Toluene

Concen: 0.228 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033476.D

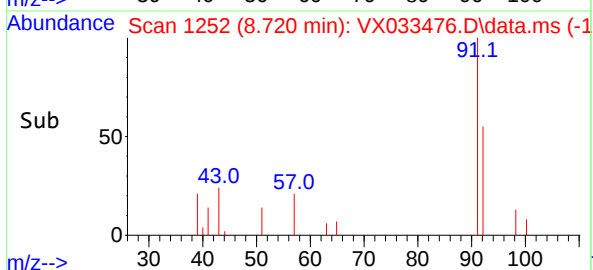
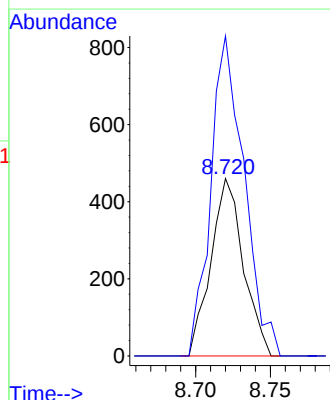
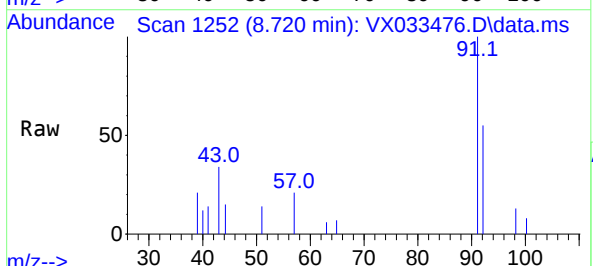
Acq: 19 Dec 2022 12:04

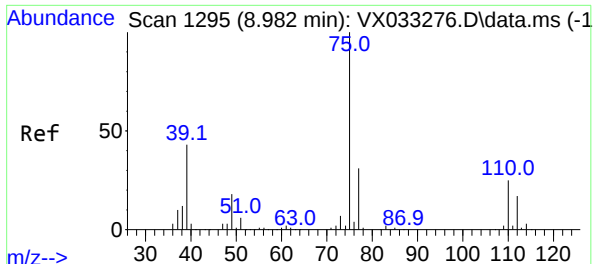
Tgt Ion: 92 Resp: 695

Ion Ratio Lower Upper

92 100

91 185.5 138.3 207.5

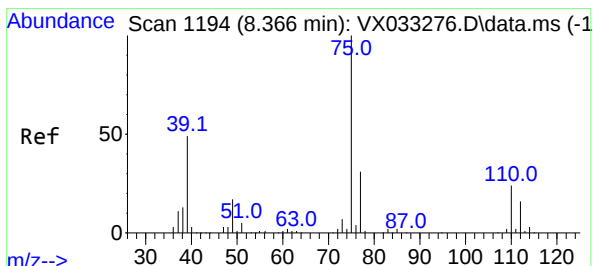
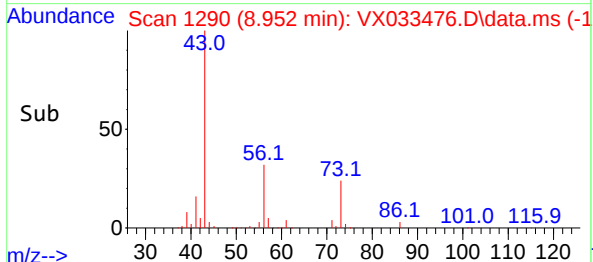
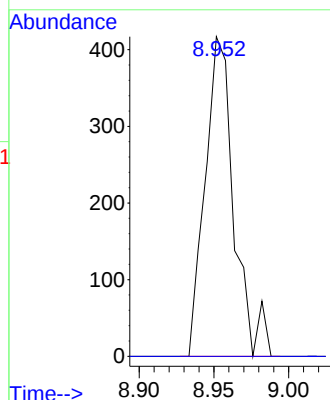
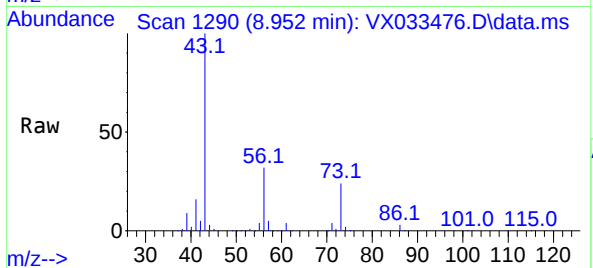




#53
t-1,3-Dichloropropene
Concen: 2.780 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

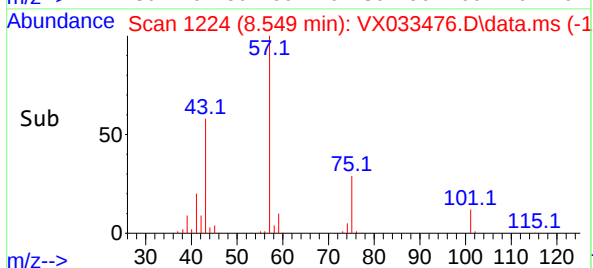
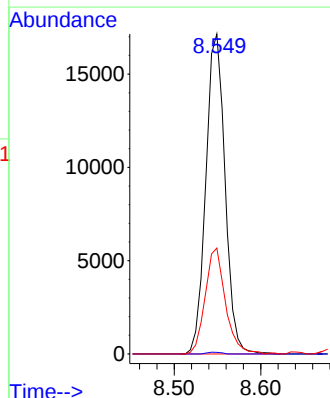
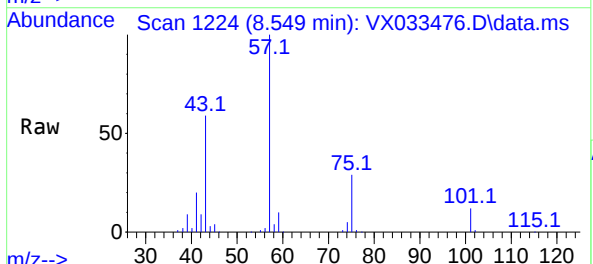
Instrument :
MSVOA_X
ClientSampleId :

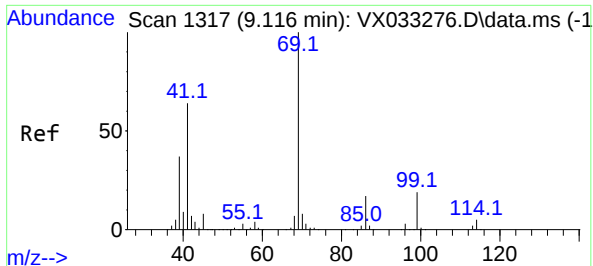
Tgt Ion: 75 Resp: 557
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 13.830 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 75 Resp: 26400
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 33.1 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.324 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033476.D

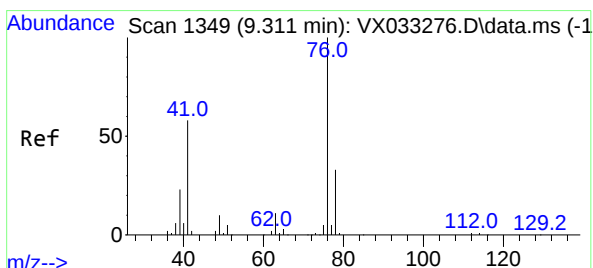
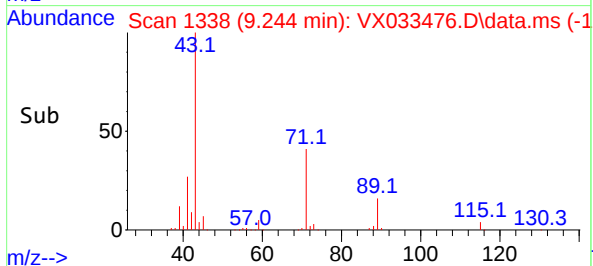
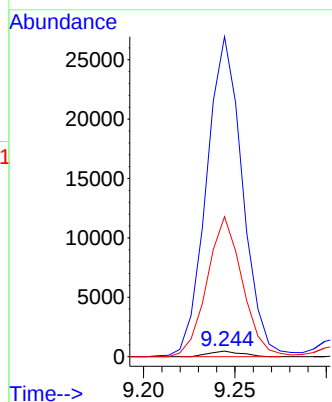
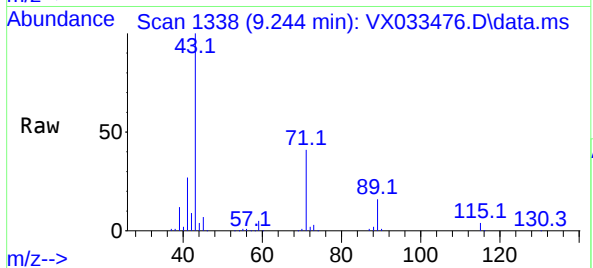
Acq: 19 Dec 2022 12:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	69	Resp:	586
Ion	Ratio	Lower	Upper
69	100		
41	6345.1	54.3	81.5#
39	2711.1	35.2	52.8#



#57

1,3-Dichloropropane

Concen: 1.622 ug/l

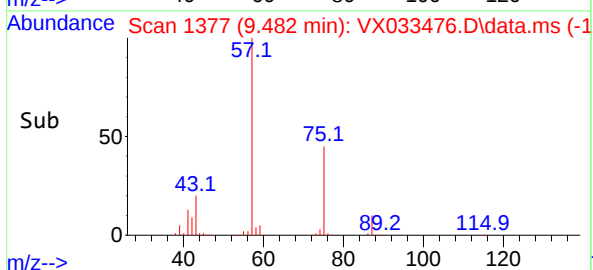
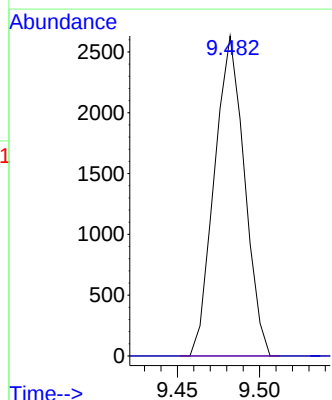
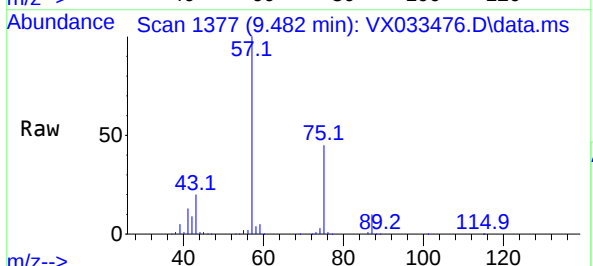
RT: 9.482 min Scan# 1377

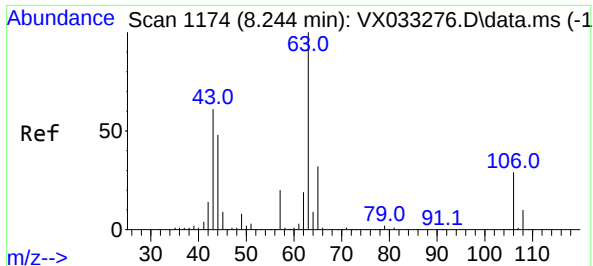
Delta R.T. 0.171 min

Lab File: VX033476.D

Acq: 19 Dec 2022 12:04

Tgt Ion:	76	Resp:	3345
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#

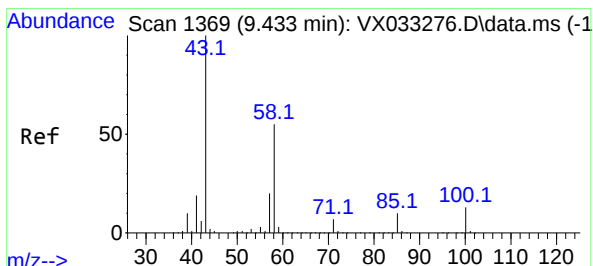
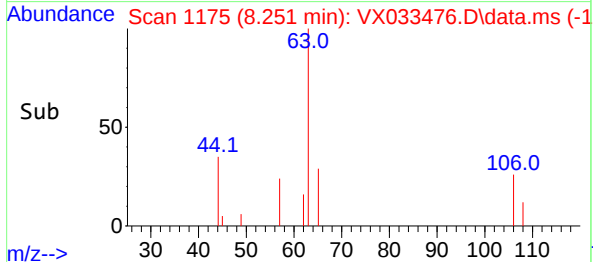
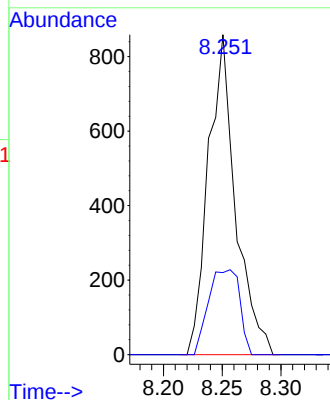
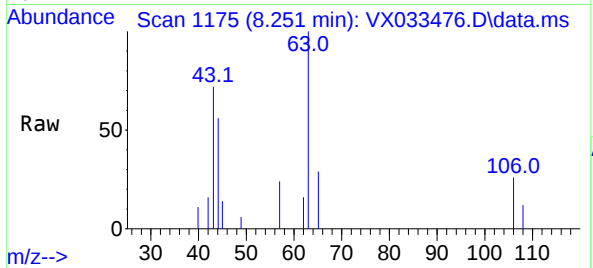




#58
2-Chloroethyl Vinyl ether
Concen: 1.671 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

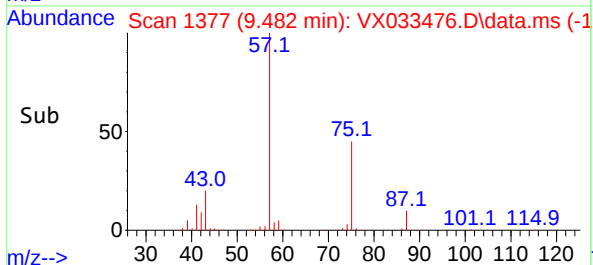
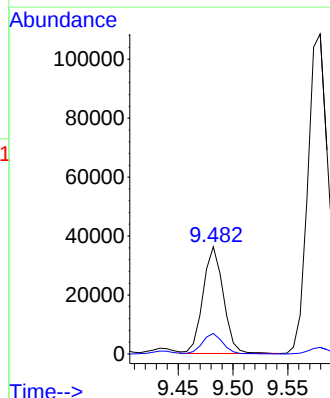
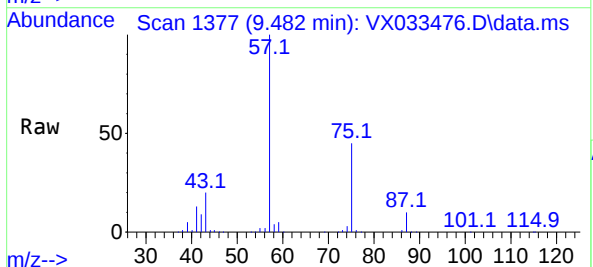
Instrument :
MSVOA_X
ClientSampleId :

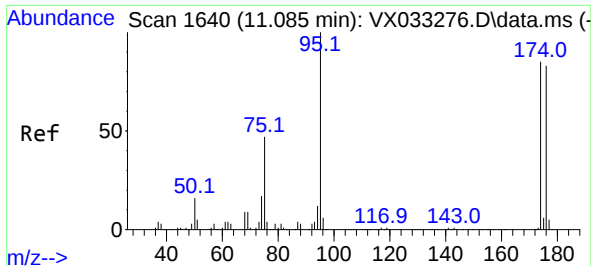
Tgt Ion: 63 Resp: 1382
Ion Ratio Lower Upper
63 100
106 30.4 23.3 34.9



#59
2-Hexanone
Concen: 40.580 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

Tgt Ion: 43 Resp: 46597
Ion Ratio Lower Upper
43 100
58 19.4 26.5 79.5#

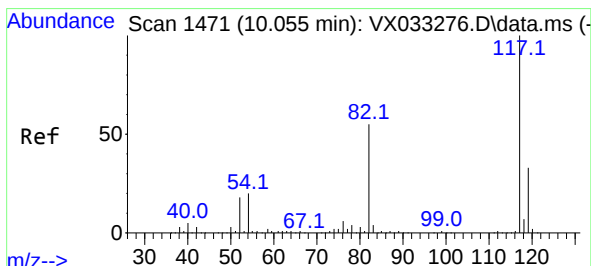
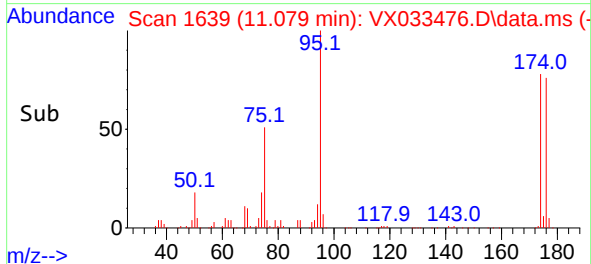
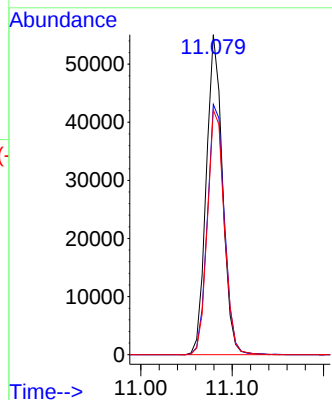
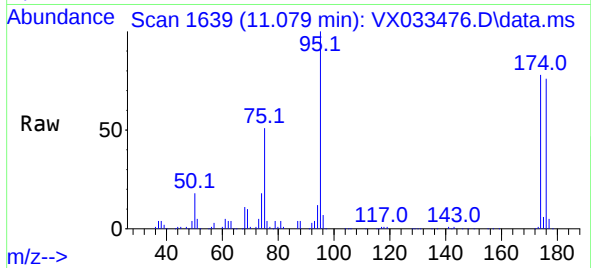




#62
4-Bromofluorobenzene
Concen: 50.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

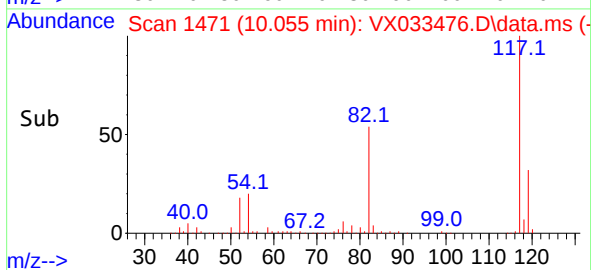
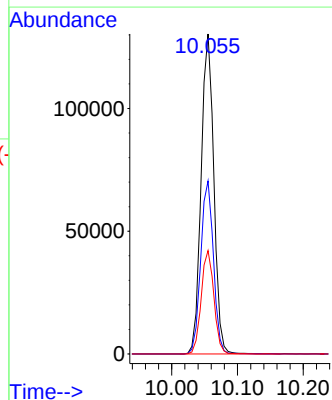
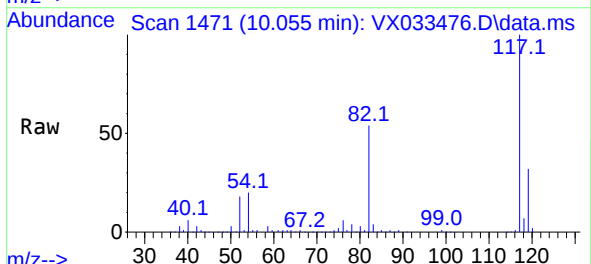
Instrument :
MSVOA_X
ClientSampleId :

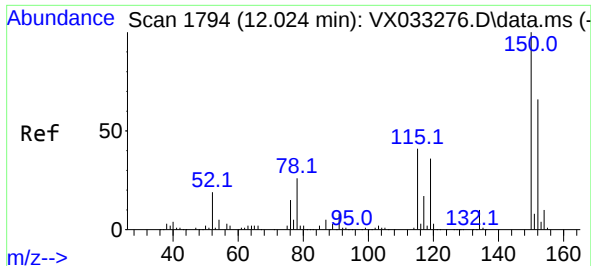
Tgt Ion: 95 Resp: 67719
Ion Ratio Lower Upper
95 100
174 82.3 0.0 164.0
176 79.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

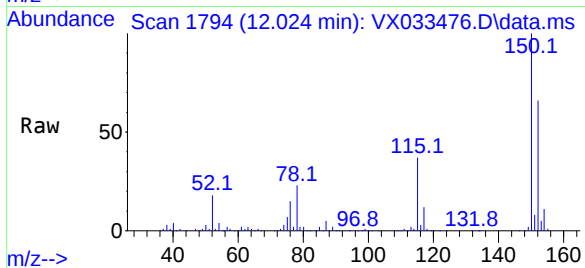
Tgt Ion: 117 Resp: 174879
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.3 25.7 38.5



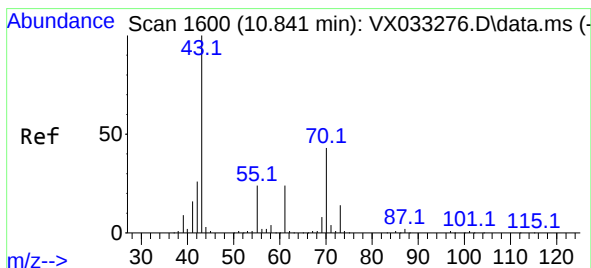
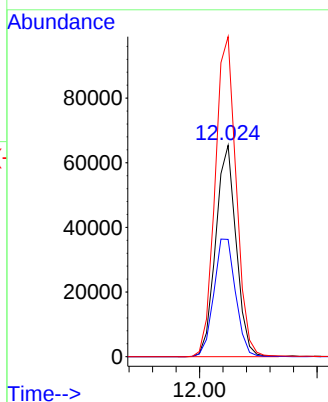
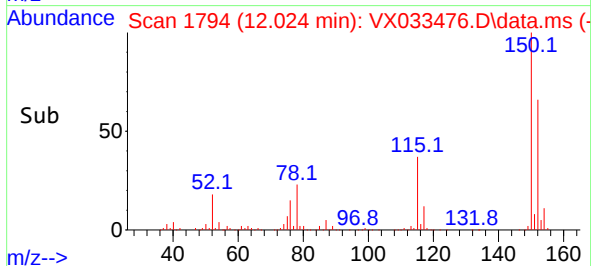


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

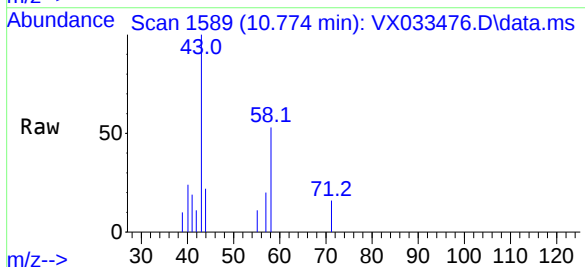
Instrument :
MSVOA_X
ClientSampleId :



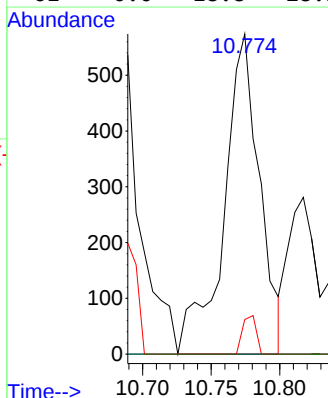
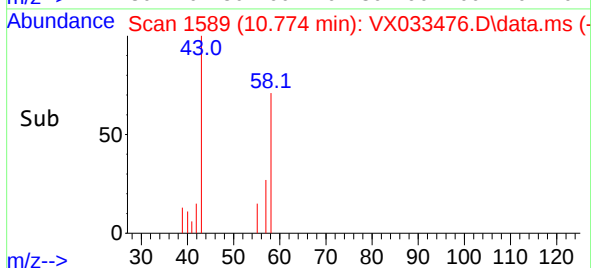
Tgt Ion:152 Resp: 79154
Ion Ratio Lower Upper
152 100
115 59.2 44.0 132.0
150 156.3 0.0 351.8

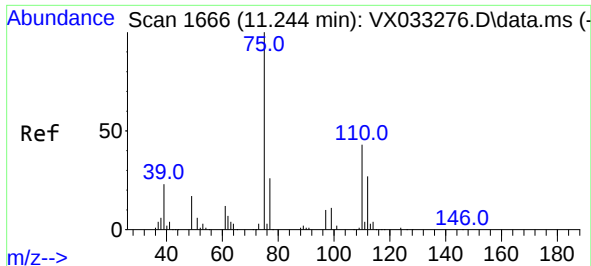


#74
N-ethyl acetate
Concen: 0.529 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04



Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 4.6 19.4 29.2#
61 0.0 18.8 28.2#

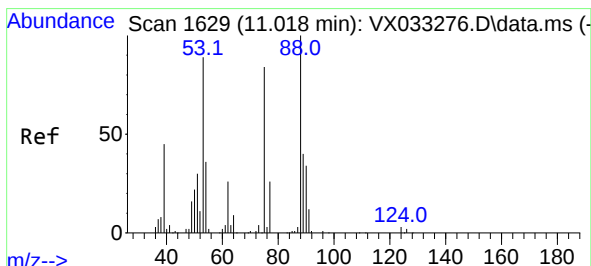
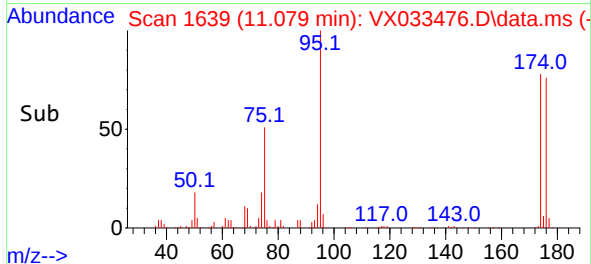
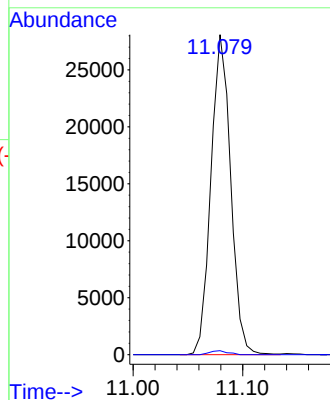
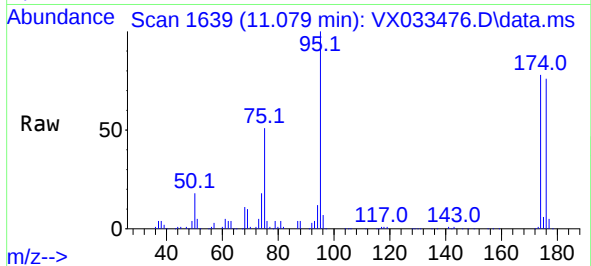




#76
1,2,3-Trichloropropane
Concen: 21.805 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

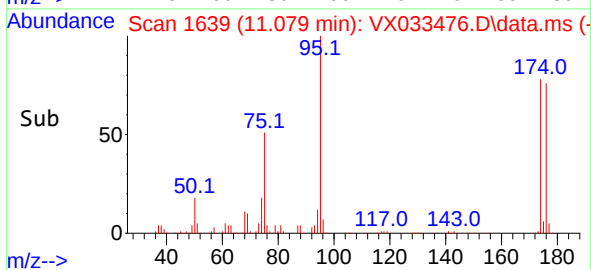
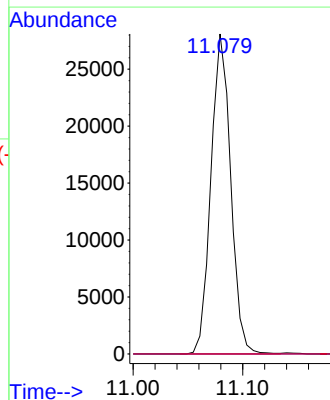
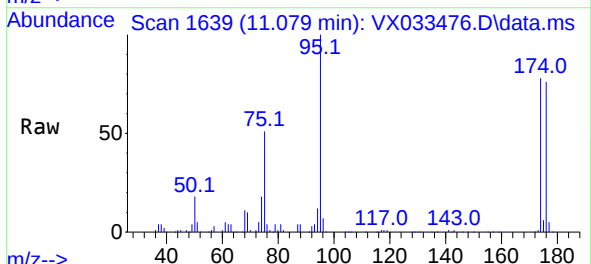
Instrument :
MSVOA_X
ClientSampleId :

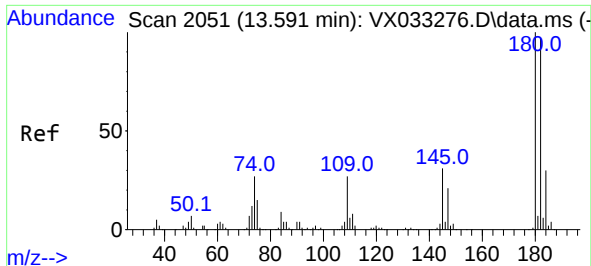
Tgt Ion: 75 Resp: 35114
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

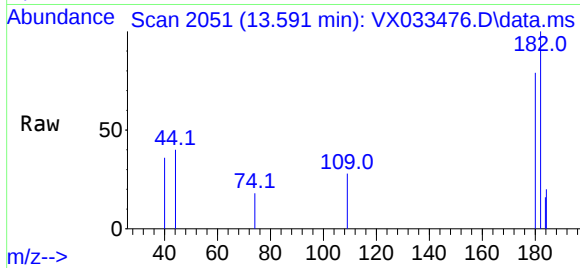
Tgt Ion: 75 Resp: 35114
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



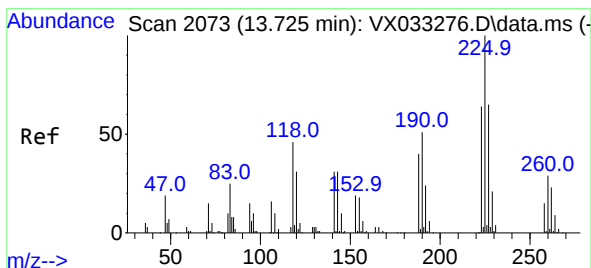
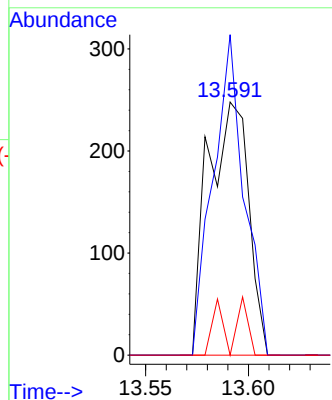
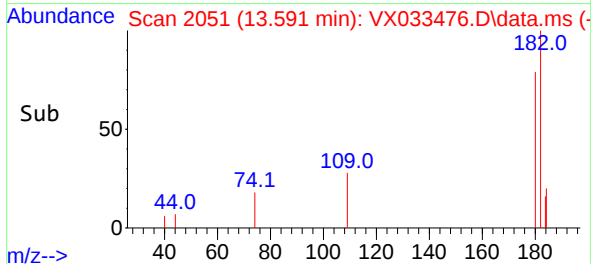


#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04

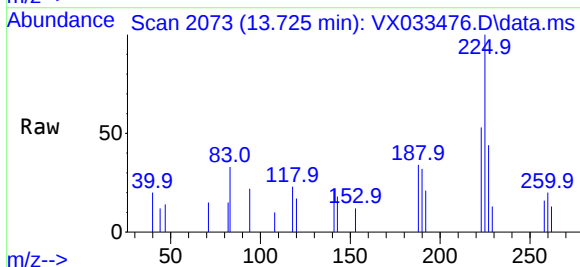
Instrument :
MSVOA_X
ClientSampleId :



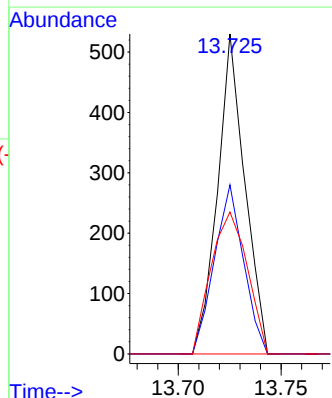
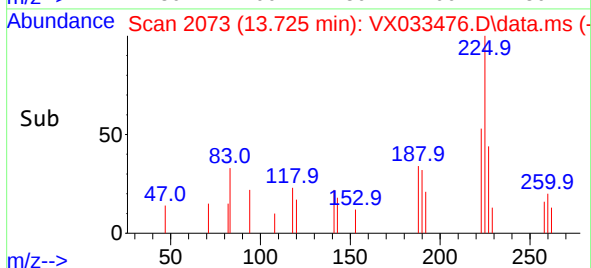
Tgt Ion:180 Resp: 342
Ion Ratio Lower Upper
180 100
182 96.8 48.4 145.0
145 12.0 16.2 48.5#

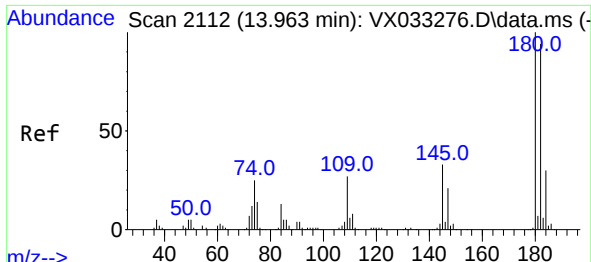


#94
Hexachlorobutadiene
Concen: 0.772 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033476.D
Acq: 19 Dec 2022 12:04



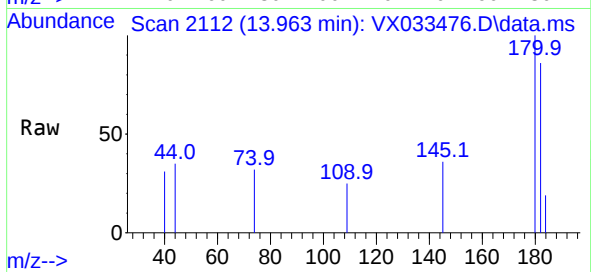
Tgt Ion:225 Resp: 490
Ion Ratio Lower Upper
225 100
223 56.5 31.9 95.9
227 59.0 31.9 95.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX033476.D
 Acq: 19 Dec 2022 12:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 332

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.6
145	26.5	16.9	50.6

