

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033478.D
 Acq On : 19 Dec 2022 12:50
 Operator : JC/MD
 Sample : PB149705ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

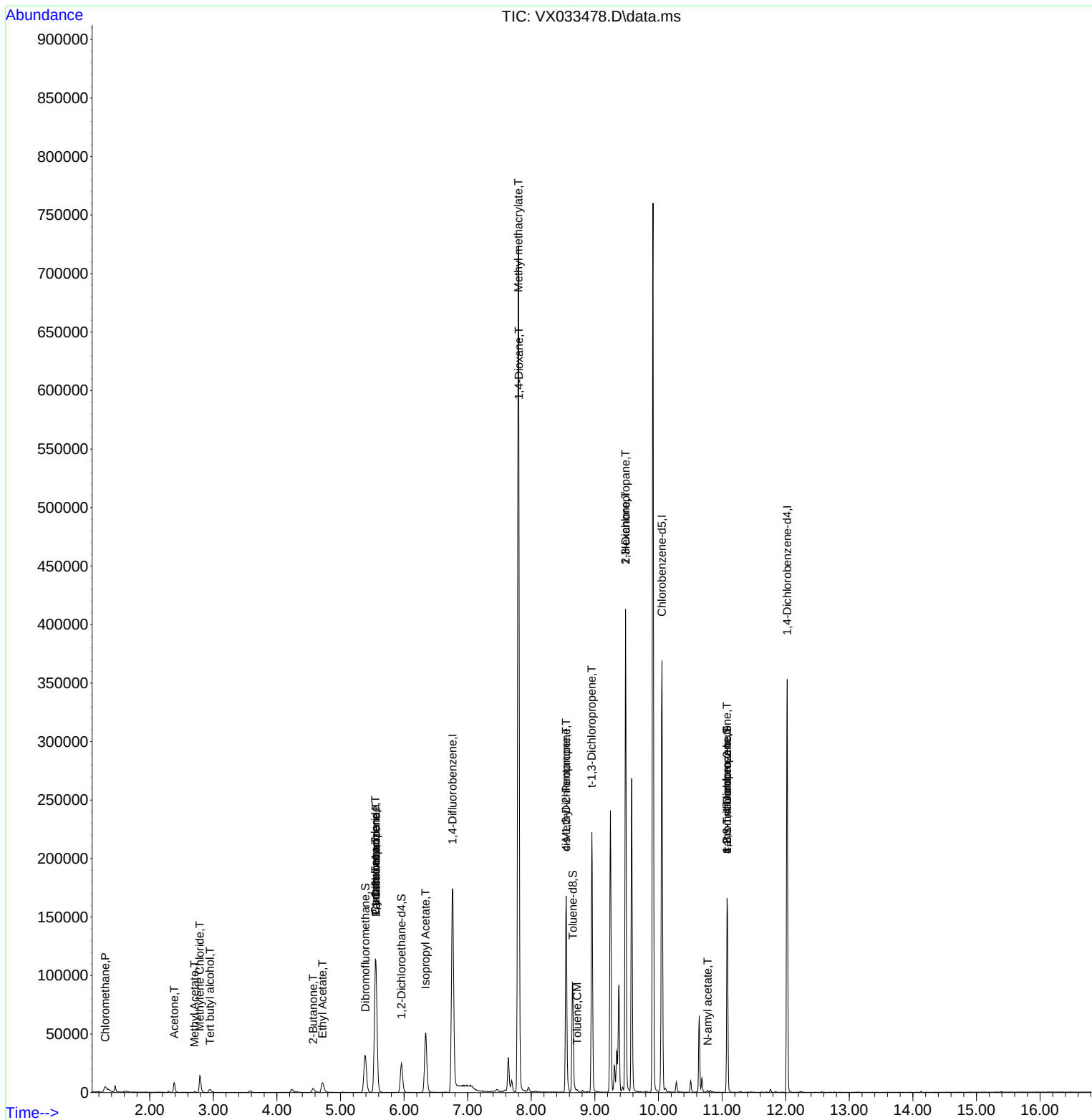
Instrument :
 MSVOA_X
 ClientSampleId :

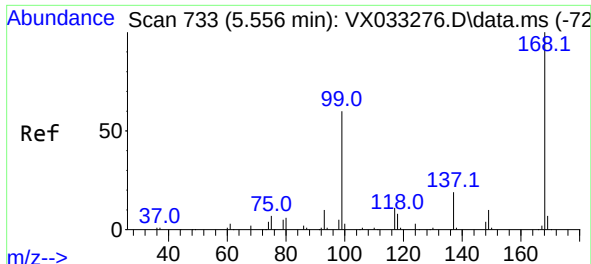
Quant Time: Dec 20 05:00:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	110952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180360	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	24980	35.094	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	70.180%#
35) Dibromofluoromethane	5.391	113	28493	35.123	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.240%#
50) Toluene-d8	8.653	98	57810	34.065	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	68.140%#
62) 4-Bromofluorobenzene	11.079	95	45037	34.708	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	69.420%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	204	0.228	ug/l #	43
11) Tert butyl alcohol	2.947	59	2559	11.759	ug/l #	72
16) Acetone	2.386	43	10046	19.073	ug/l	96
18) Methyl Acetate	2.703	43	1072	0.703	ug/l #	87
20) Methylene Chloride	2.788	84	7107	6.050	ug/l	94
25) 2-Butanone	4.568	43	5410	7.156	ug/l #	89
31) Cyclohexane	5.550	56	2048	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8340	5.273	ug/l #	49
37) Ethyl Acetate	4.715	43	15257	10.205	ug/l	100
38) Carbon Tetrachloride	5.550	117	11250	6.349	ug/l #	15
43) Isopropyl Acetate	6.336	43	68432	28.447	ug/l	99
48) Methyl methacrylate	7.799	41	63752	51.350	ug/l #	43
49) 1,4-Dioxane	7.805	88	46	1.625	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56135	36.900	ug/l #	50
52) Toluene	8.720	92	689	0.231	ug/l	90
53) t-1,3-Dichloropropene	8.952	75	541	2.779	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26331	14.129	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3603	1.790	ug/l #	42
59) 2-Hexanone	9.482	43	46133	41.151	ug/l #	52
74) N-amyl acetate	10.774	43	788	0.422	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	23552	15.318	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	23552	47.649	ug/l #	6

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

Quant Time: Dec 20 05:00:16 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

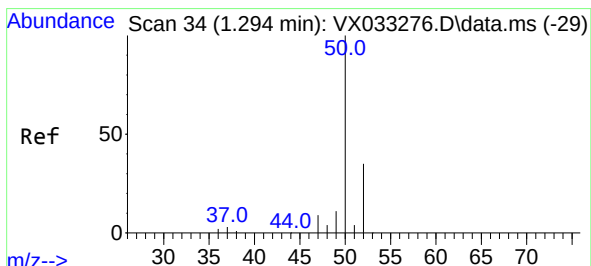
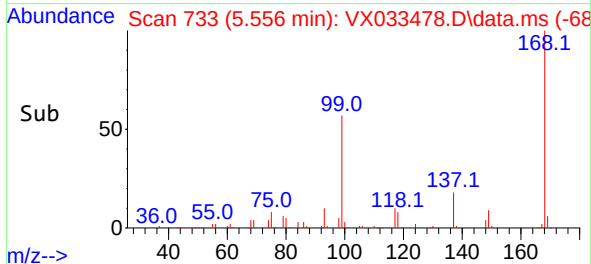
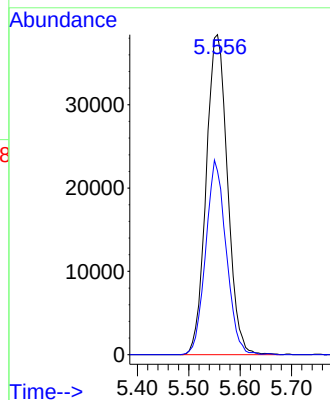
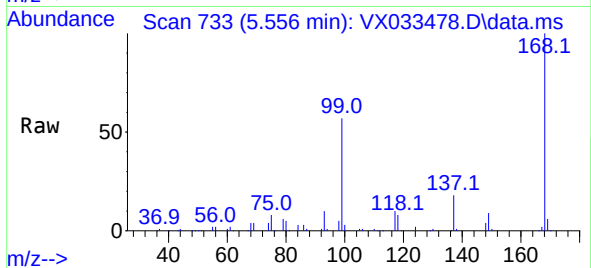




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

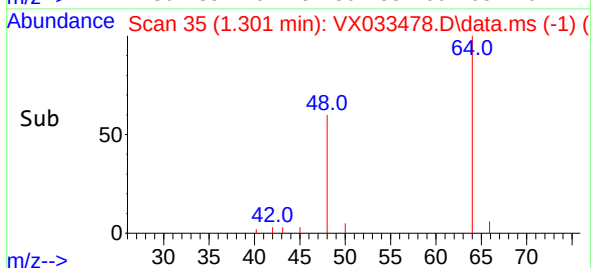
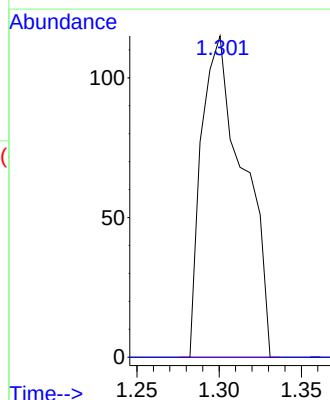
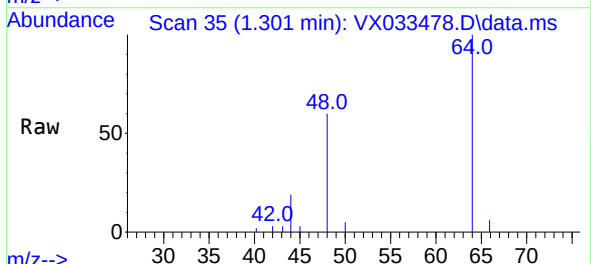
Instrument :
MSVOA_X
ClientSampleId :

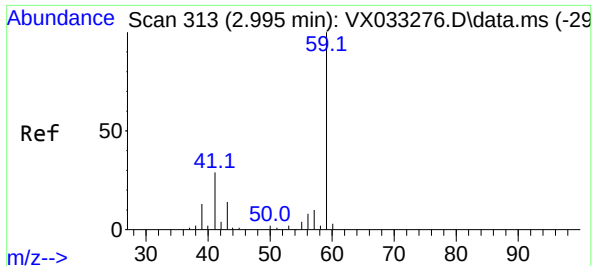
Tgt Ion:168 Resp: 110952
Ion Ratio Lower Upper
168 100
99 57.4 46.1 69.1



#3
Chloromethane
Concen: 0.228 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 50 Resp: 204
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 11.759 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Instrument :

MSVOA_X

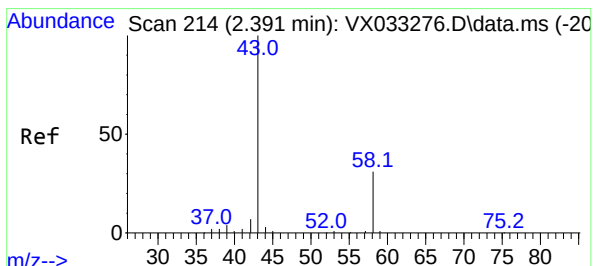
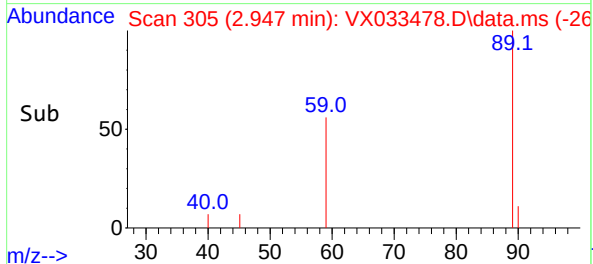
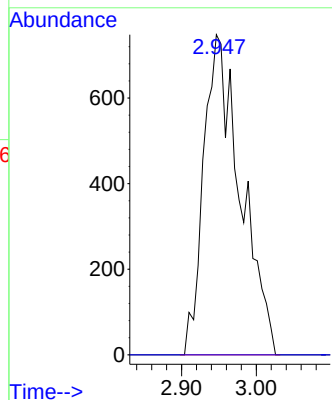
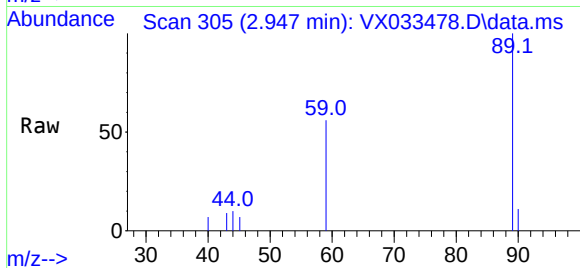
ClientSampleId :

Tgt Ion: 59 Resp: 2559

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 19.073 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033478.D

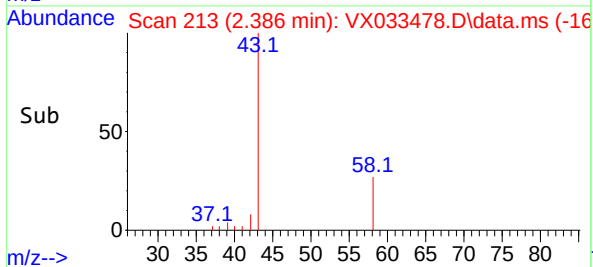
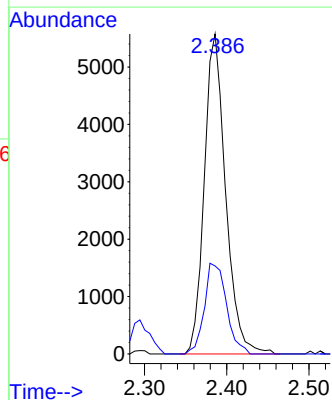
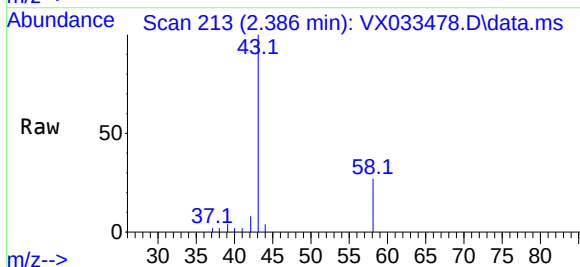
Acq: 19 Dec 2022 12:50

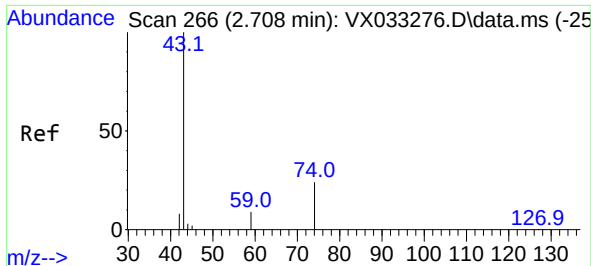
Tgt Ion: 43 Resp: 10046

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.8

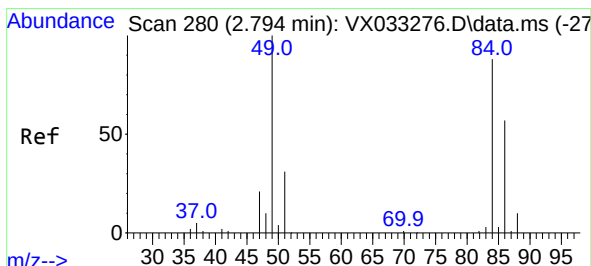
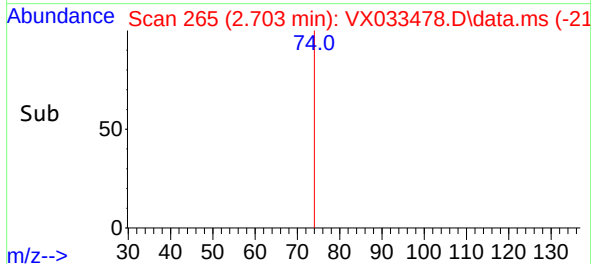
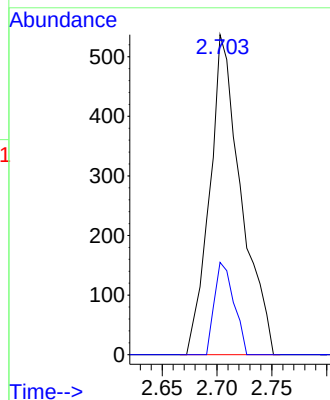
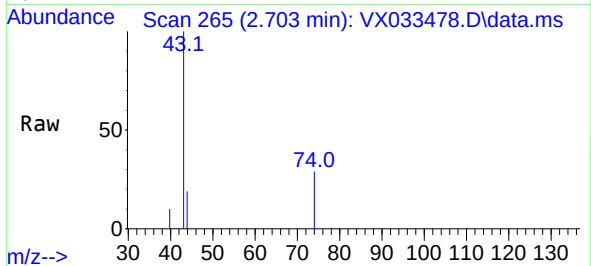




#18
Methyl Acetate
Concen: 0.703 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

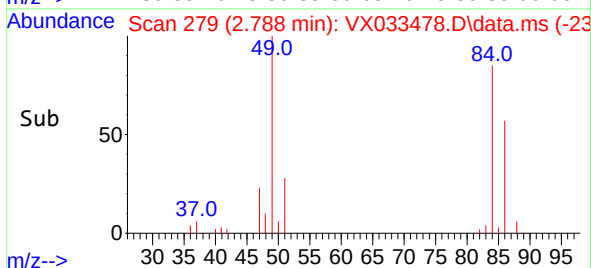
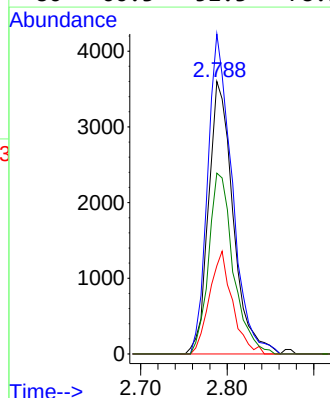
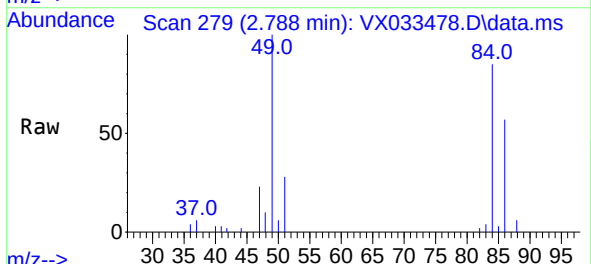
Instrument :
MSVOA_X
ClientSampleId :

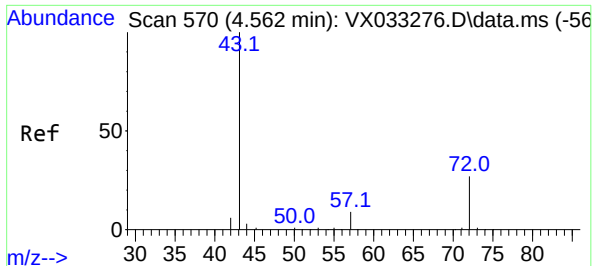
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
74 17.8 19.4 29.0#



#20
Methylene Chloride
Concen: 6.050 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 84 Resp: 7107
Ion Ratio Lower Upper
84 100
49 117.4 101.0 151.6
51 32.4 31.1 46.7
86 66.3 52.3 78.5

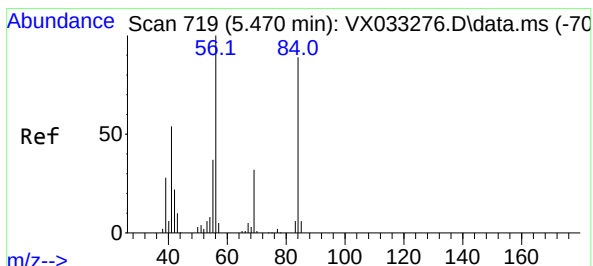
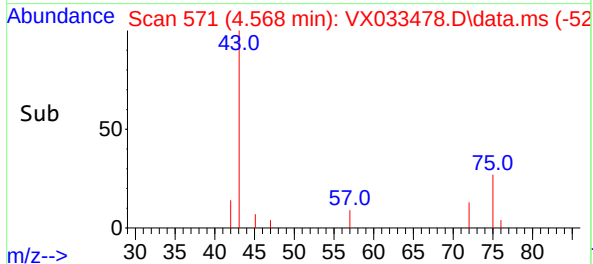
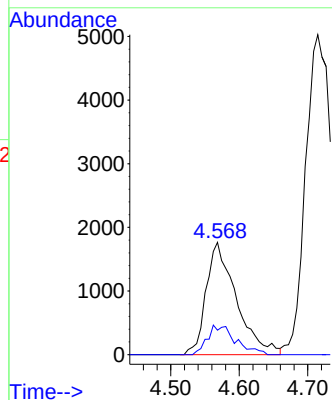
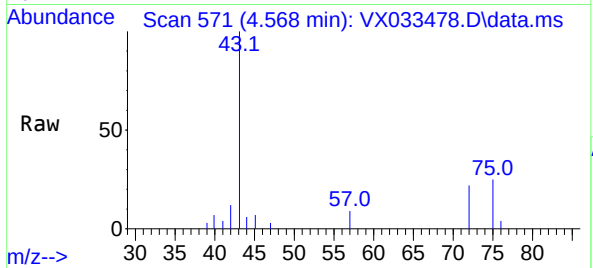




#25
2-Butanone
Concen: 7.156 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

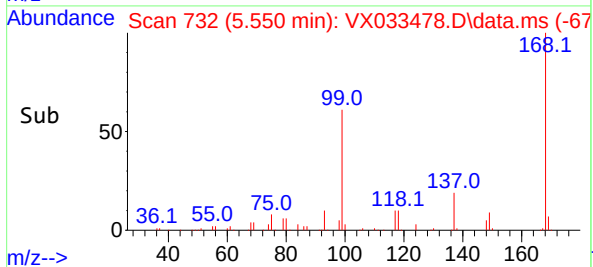
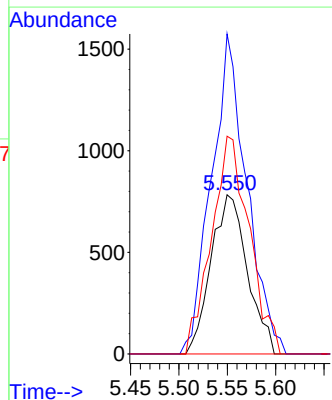
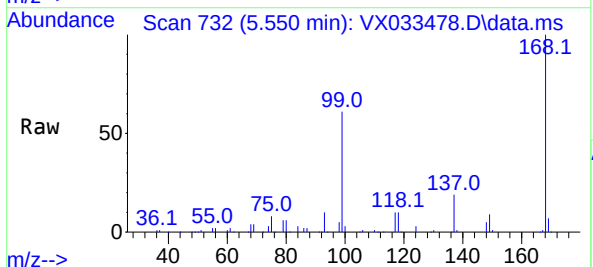
Instrument :
MSVOA_X
ClientSampleId :

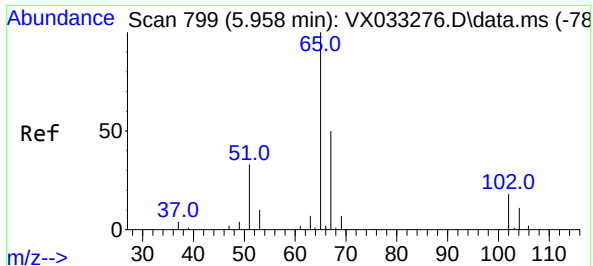
Tgt Ion: 43 Resp: 5410
Ion Ratio Lower Upper
43 100
72 21.8 22.2 33.2#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 56 Resp: 2048
Ion Ratio Lower Upper
56 100
69 200.9 24.1 36.1#
84 136.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 35.094 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Instrument :

MSVOA_X

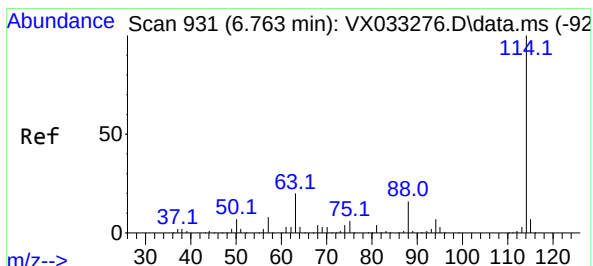
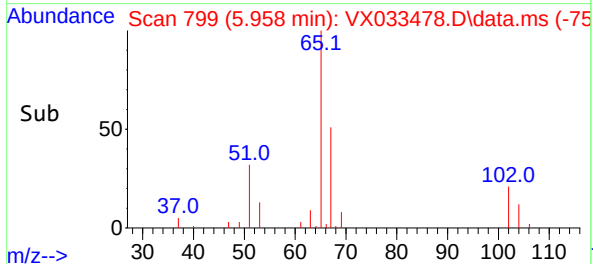
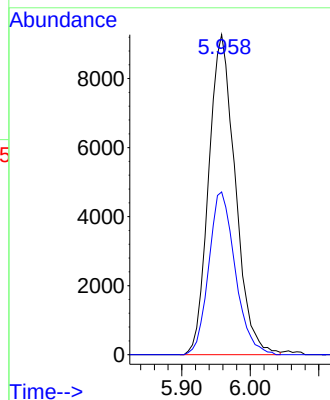
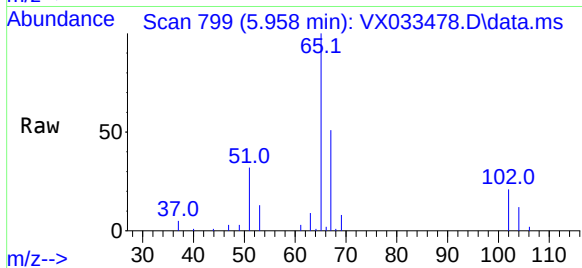
ClientSampleId :

Tgt Ion: 65 Resp: 24980

Ion Ratio Lower Upper

65 100

67 50.7 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: VX033478.D

Acq: 19 Dec 2022 12:50

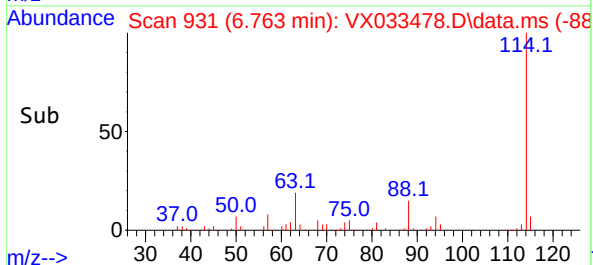
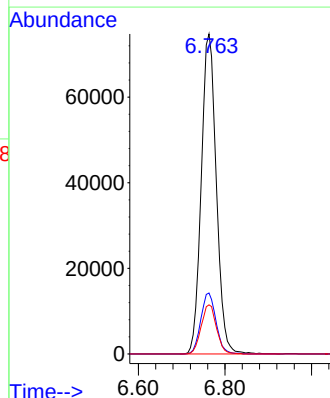
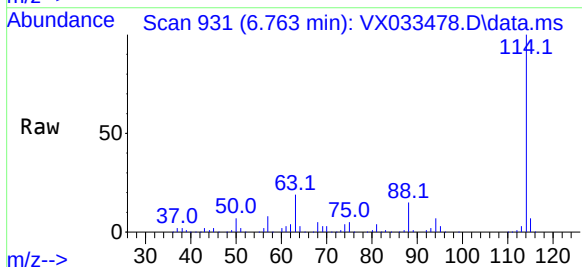
Tgt Ion: 114 Resp: 180360

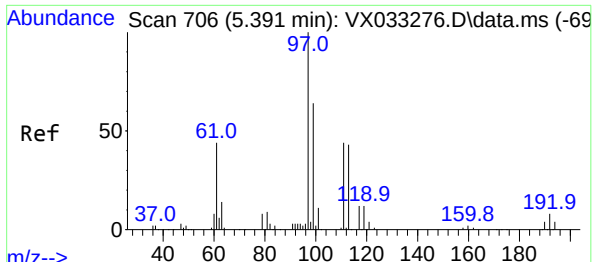
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 35.123 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

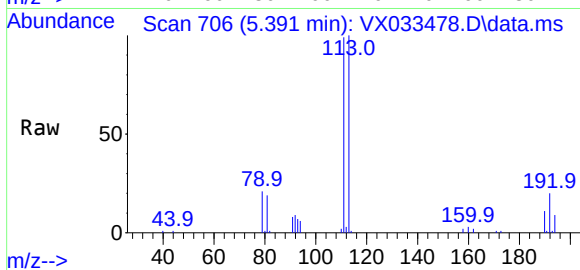
Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :



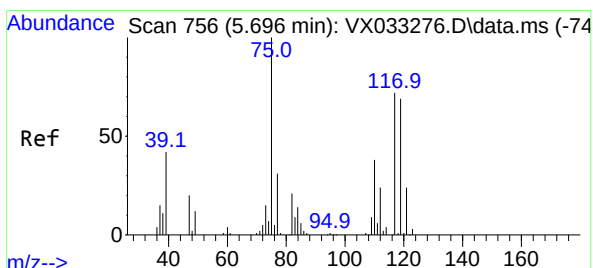
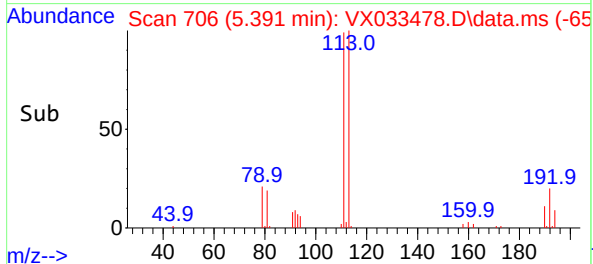
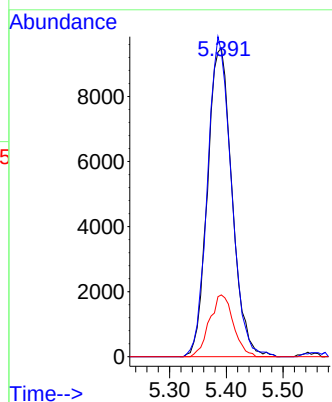
Tgt Ion:113 Resp: 28493

Ion Ratio Lower Upper

113 100

111 100.6 82.4 123.6

192 19.4 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.273 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

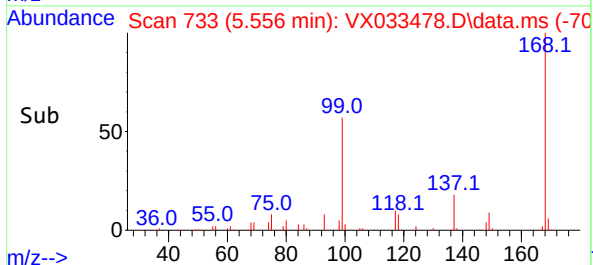
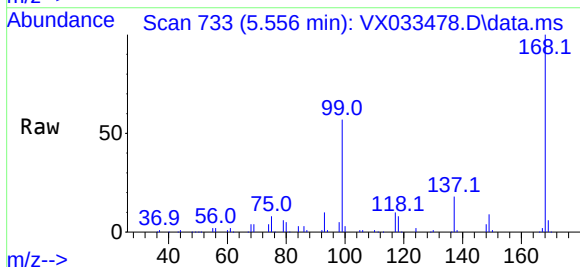
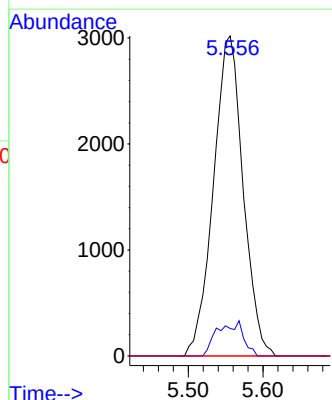
Tgt Ion: 75 Resp: 8340

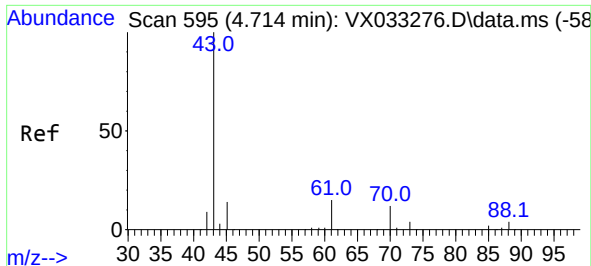
Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.205 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

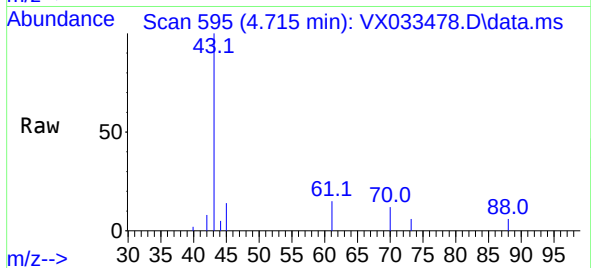
Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

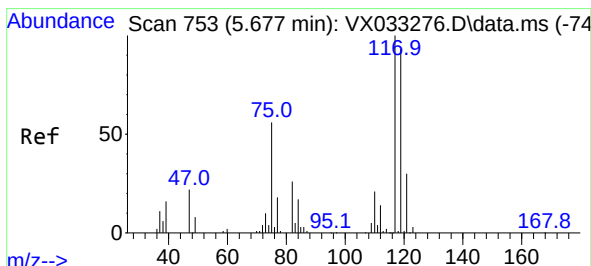
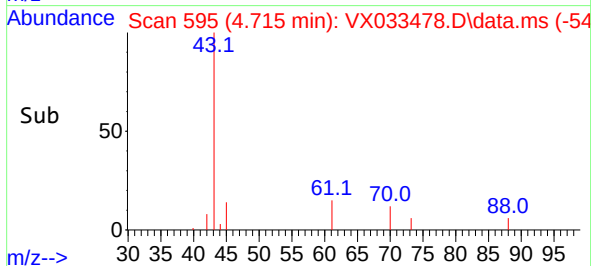
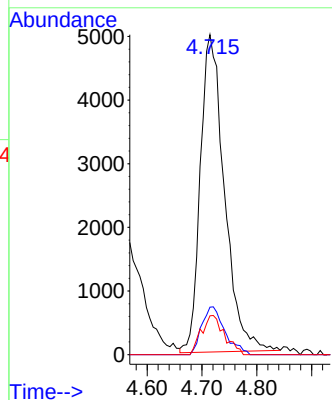
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	15257
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.7	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.349 ug/l

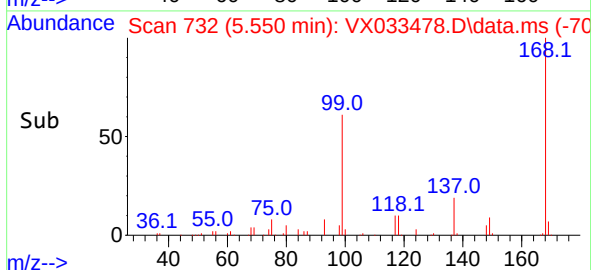
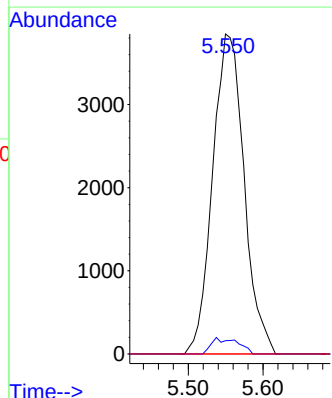
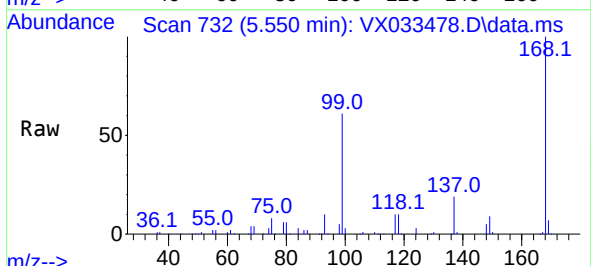
RT: 5.550 min Scan# 732

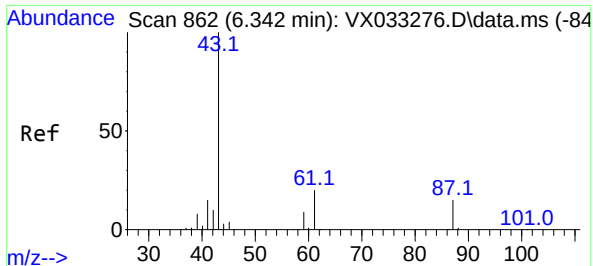
Delta R.T. -0.128 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Tgt Ion:	117	Resp:	11250
Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.2	115.8#
121	0.0	25.8	38.6#

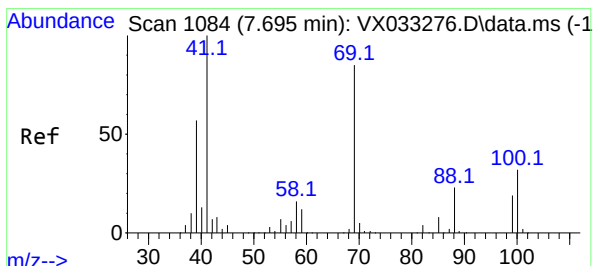
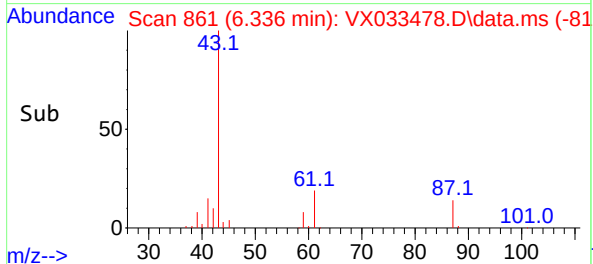
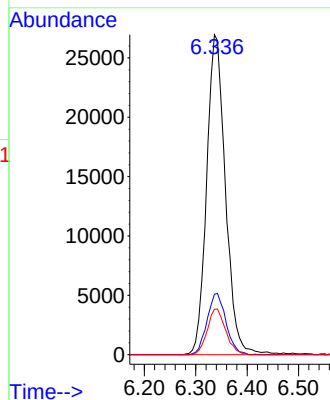
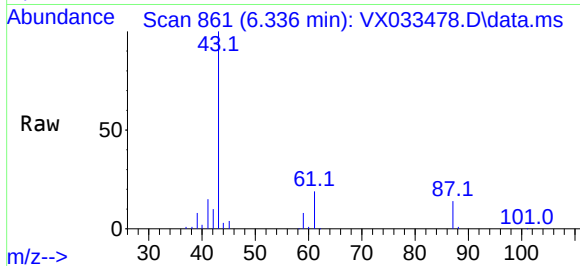




#43
Isopropyl Acetate
Concen: 28.447 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

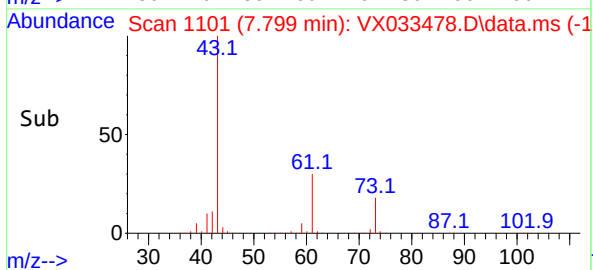
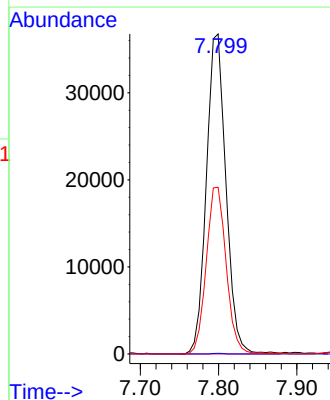
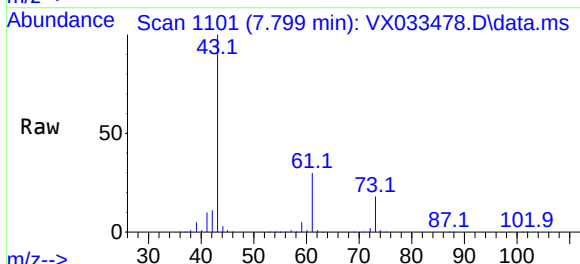
Instrument :
MSVOA_X
ClientSampleId :

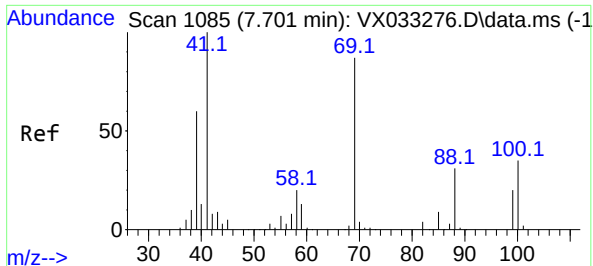
Tgt Ion: 43 Resp: 68432
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 14.0 10.8 16.2



#48
Methyl methacrylate
Concen: 51.350 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 41 Resp: 63752
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 53.2 51.9 77.9





#49

1,4-Dioxane

Concen: 1.625 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.104 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Instrument :

MSVOA_X

ClientSampleId :

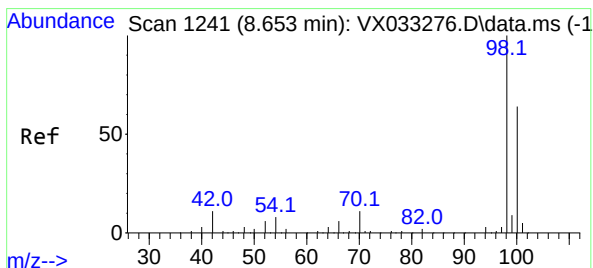
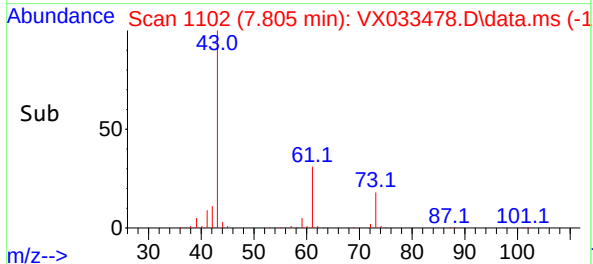
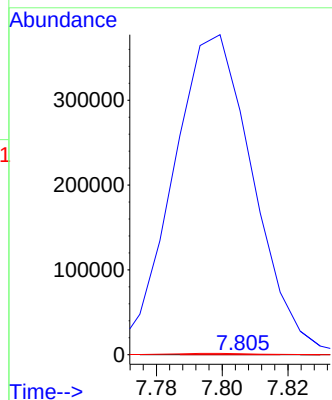
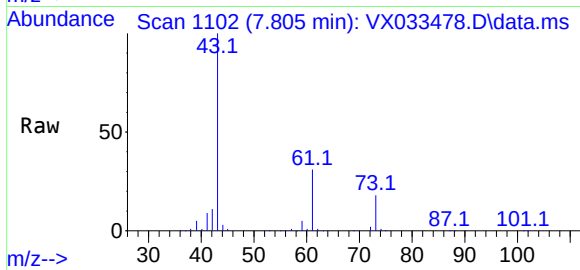
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 1413730.4 26.6 39.8#

58 5743.5 51.7 77.5#



#50

Toluene-d8

Concen: 34.065 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX033478.D

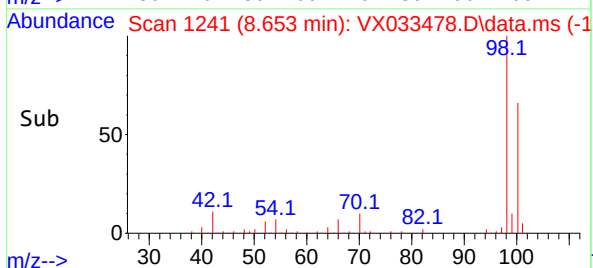
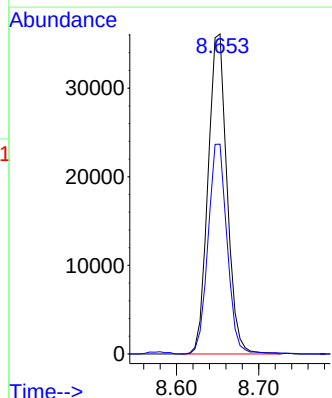
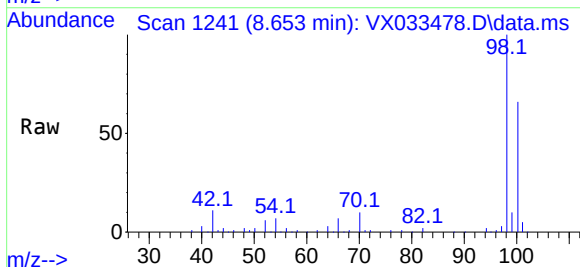
Acq: 19 Dec 2022 12:50

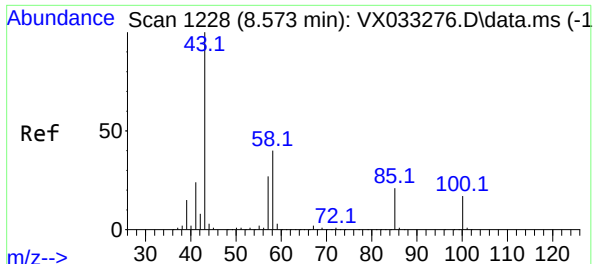
Tgt Ion: 98 Resp: 57810

Ion Ratio Lower Upper

98 100

100 65.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 36.900 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033478.D

Acq: 19 Dec 2022 12:50

Instrument :

MSVOA_X

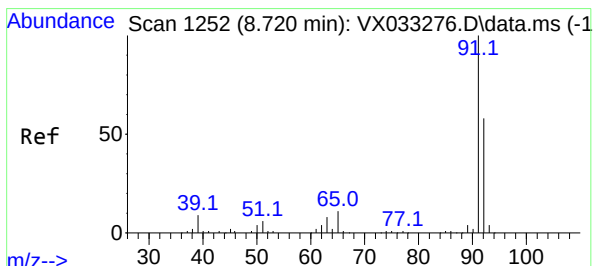
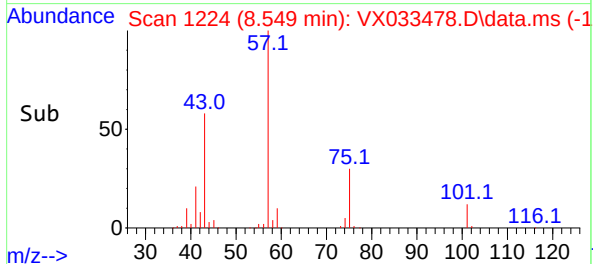
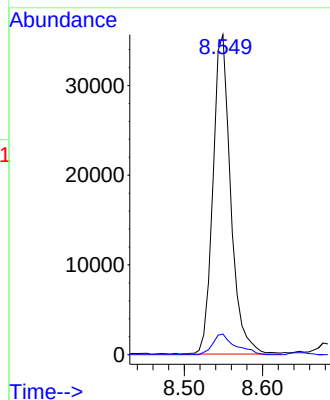
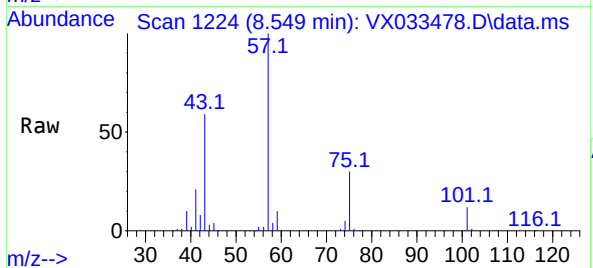
ClientSampleId :

Tgt Ion: 43 Resp: 56135

Ion Ratio Lower Upper

43 100

58 8.1 30.9 46.3#



#52

Toluene

Concen: 0.231 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033478.D

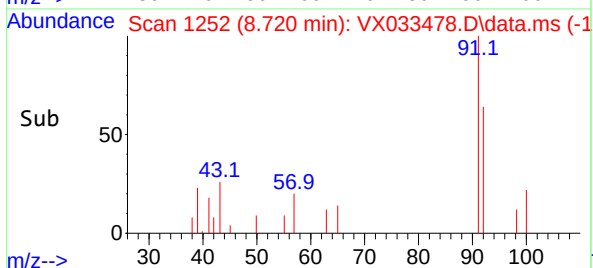
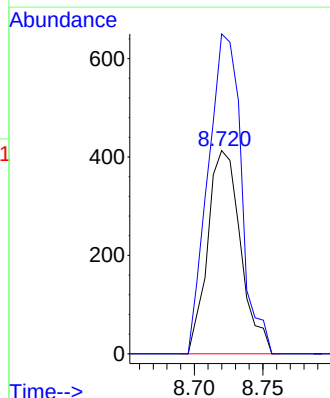
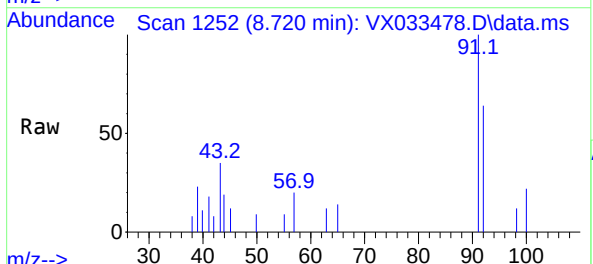
Acq: 19 Dec 2022 12:50

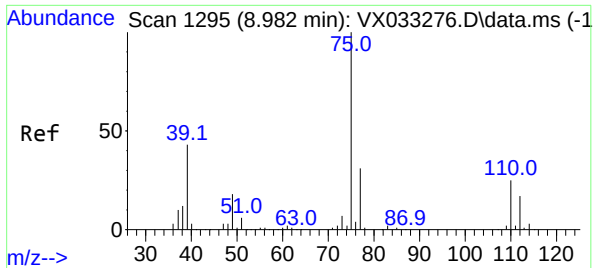
Tgt Ion: 92 Resp: 689

Ion Ratio Lower Upper

92 100

91 159.1 138.3 207.5

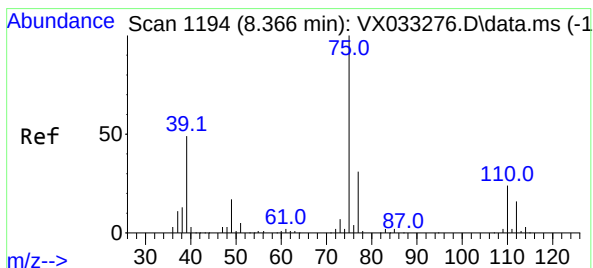
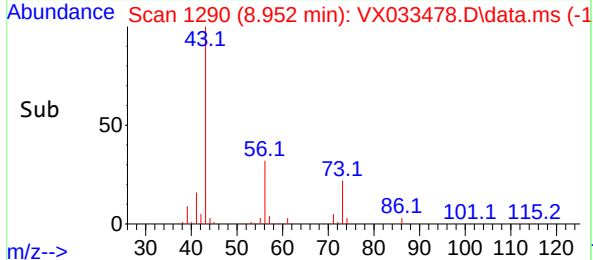
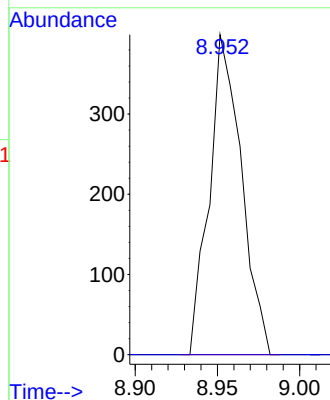
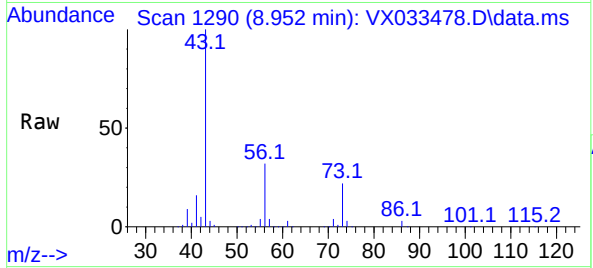




#53
t-1,3-Dichloropropene
Concen: 2.779 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

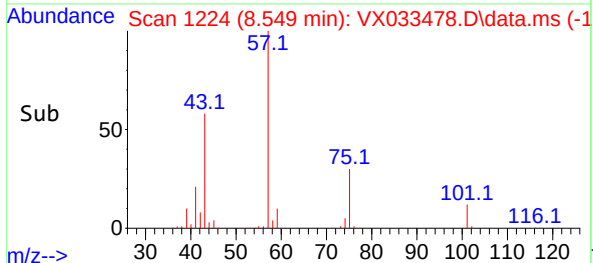
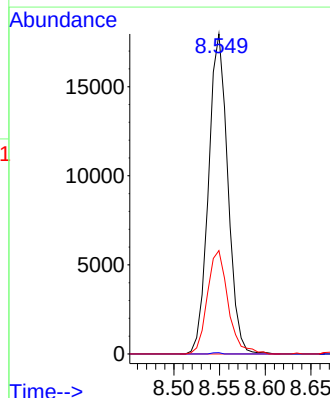
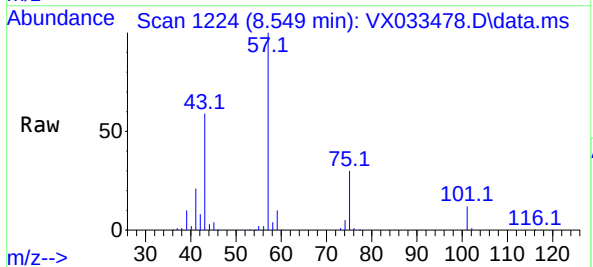
Instrument :
MSVOA_X
ClientSampleId :

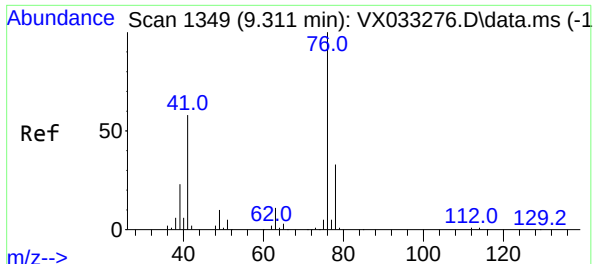
Tgt Ion: 75 Resp: 541
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 14.129 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 75 Resp: 26331
Ion Ratio Lower Upper
75 100
77 0.4 25.1 37.7#
39 32.3 45.5 68.3#

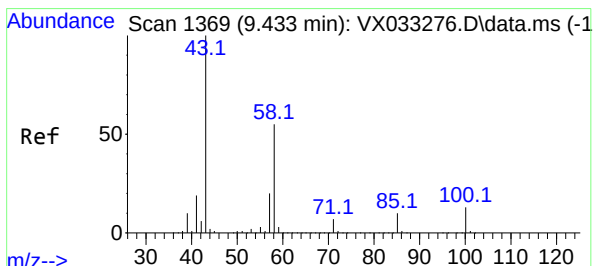
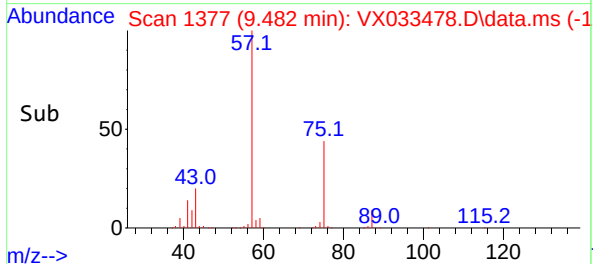
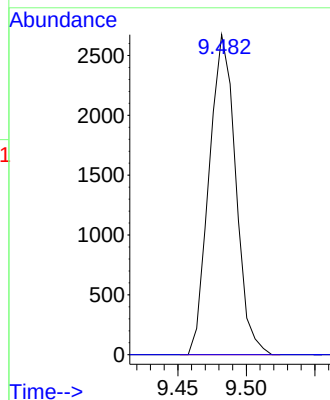
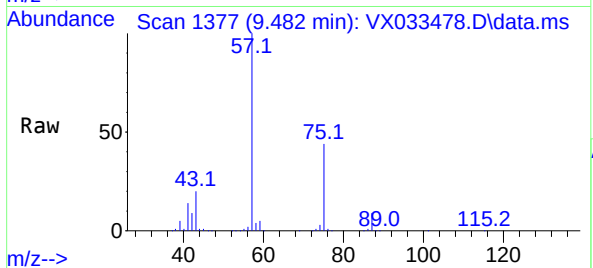




#57
1,3-Dichloropropane
Concen: 1.790 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

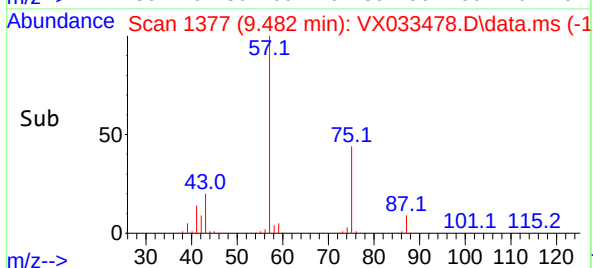
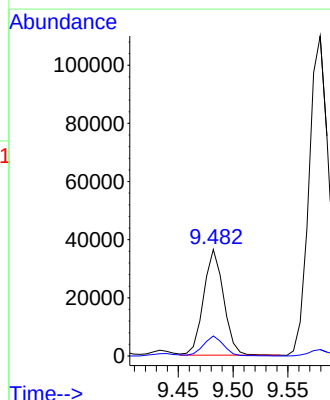
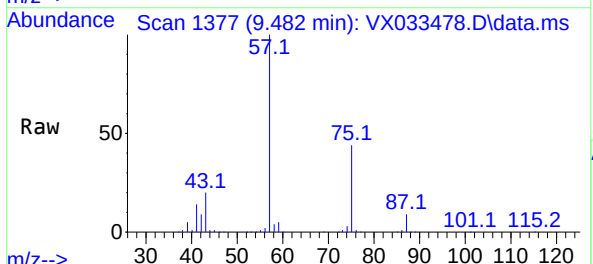
Instrument :
MSVOA_X
ClientSampleId :

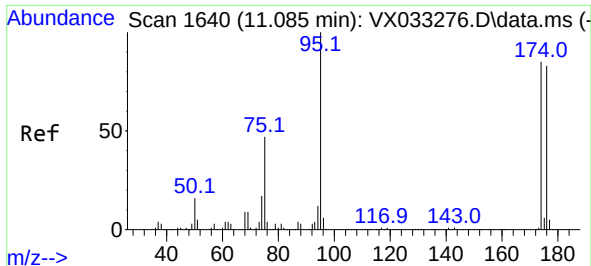
Tgt Ion: 76 Resp: 3603
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 41.151 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

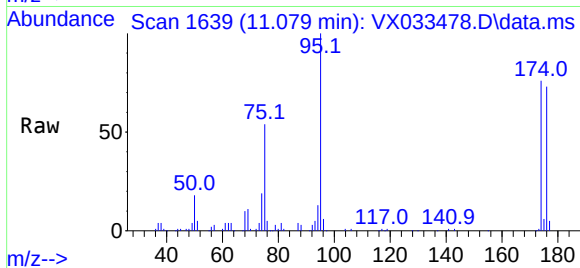
Tgt Ion: 43 Resp: 46133
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



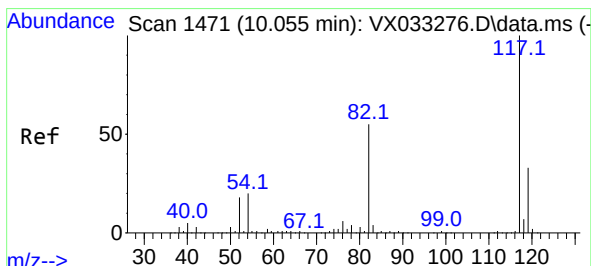
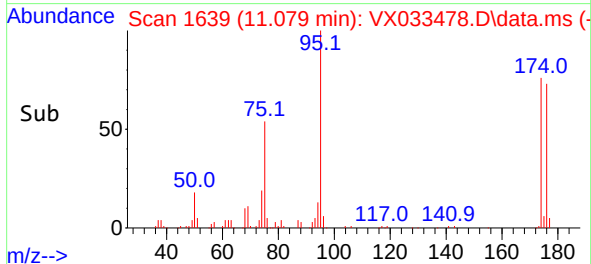
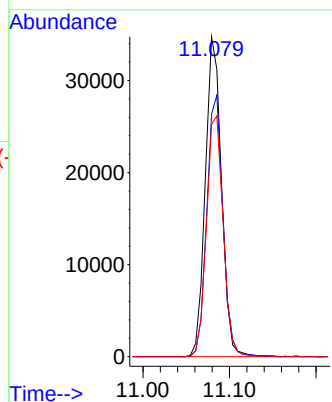


#62
4-Bromofluorobenzene
Concen: 34.708 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Instrument :
MSVOA_X
ClientSampleId :

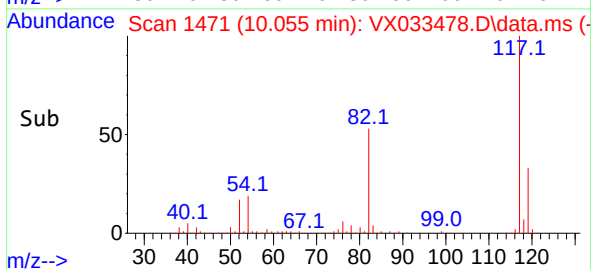
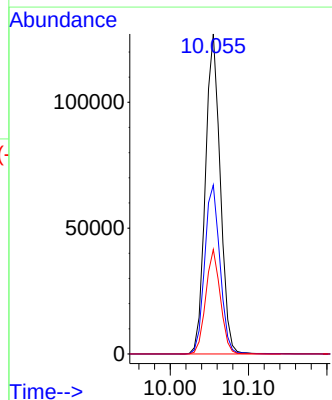
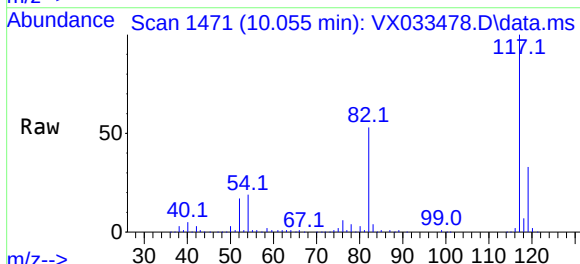


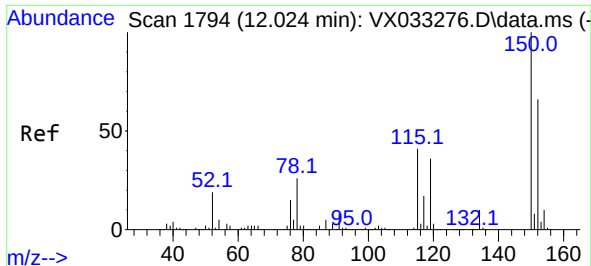
Tgt Ion: 95 Resp: 45037
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 77.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

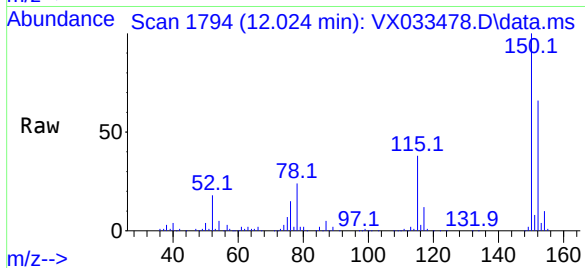
Tgt Ion: 117 Resp: 166997
Ion Ratio Lower Upper
117 100
82 52.8 44.3 66.5
119 32.6 25.7 38.5



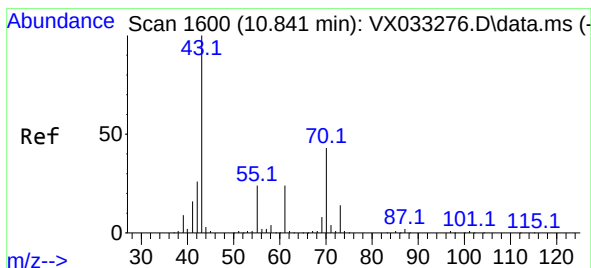
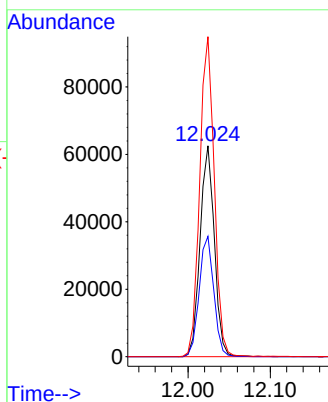
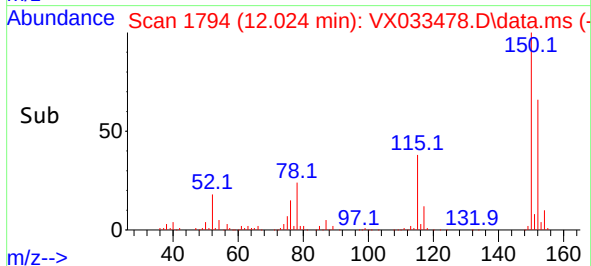


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

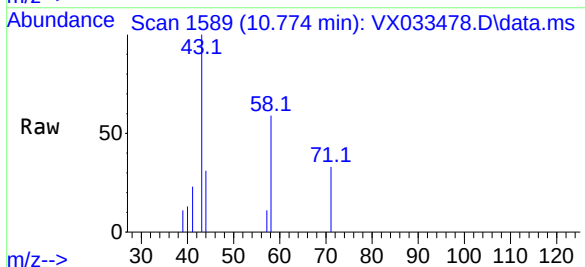
Instrument :
MSVOA_X
ClientSampleId :



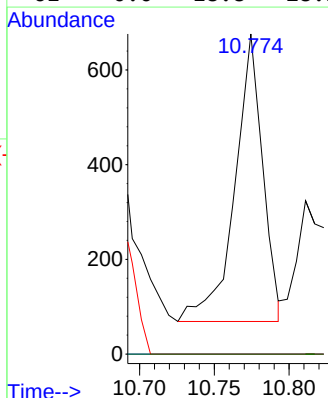
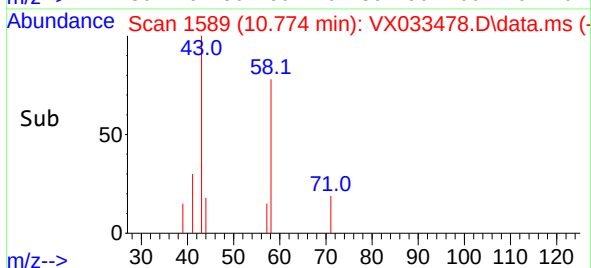
Tgt Ion:152 Resp: 75574
Ion Ratio Lower Upper
152 100
115 58.3 44.0 132.0
150 154.6 0.0 351.8

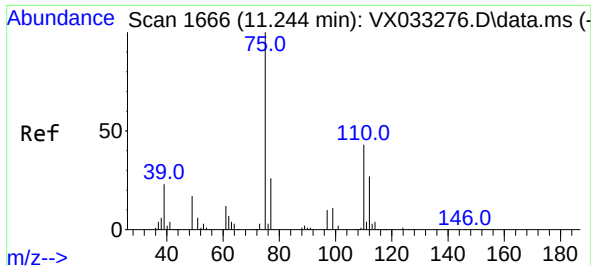


#74
N-ethyl acetate
Concen: 0.422 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50



Tgt Ion: 43 Resp: 788
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#

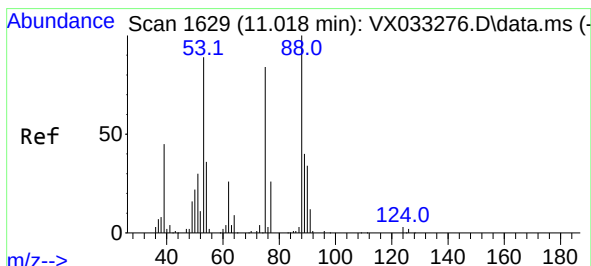
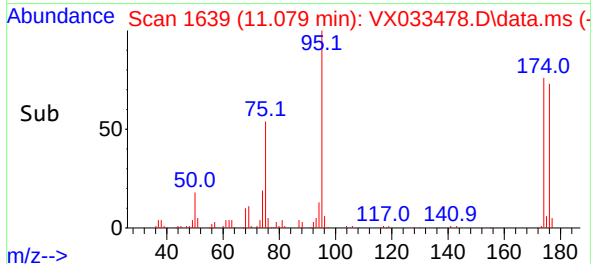
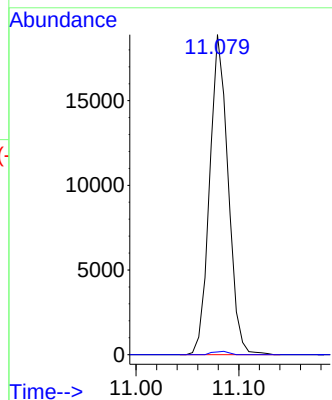
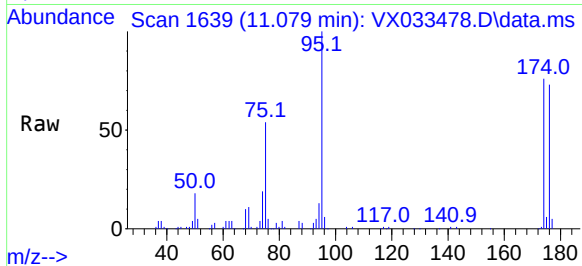




#76
1,2,3-Trichloropropane
Concen: 15.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 23552
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 47.649 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033478.D
Acq: 19 Dec 2022 12:50

Tgt Ion: 75 Resp: 23552
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

