

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034611.D
 Acq On : 18 Mar 2023 04:53
 Operator : JC/MD
 Sample : 01954-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP4-0316

Quant Time: Mar 20 00:17:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

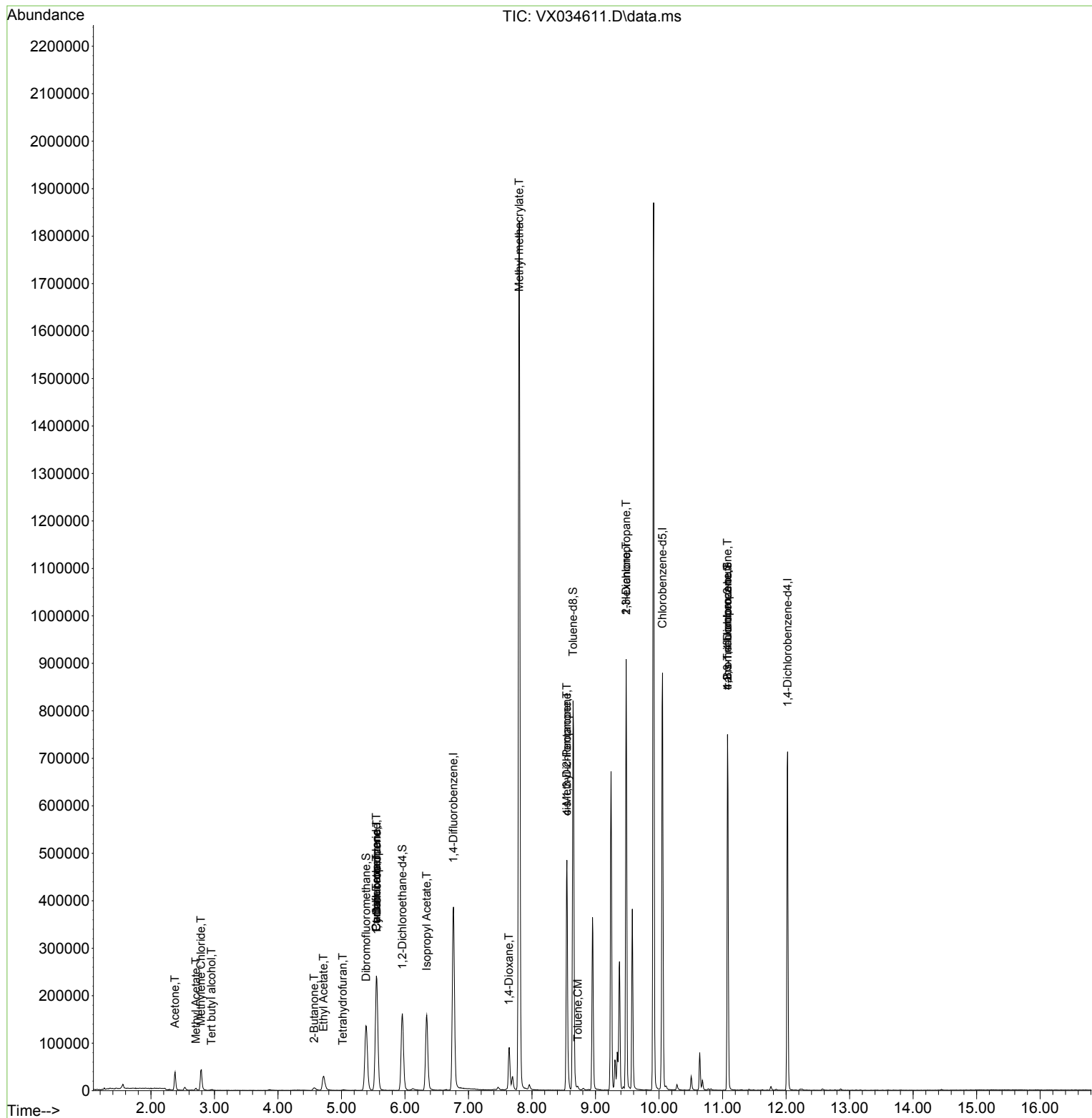
Internal Standards						
1) Pentafluorobenzene	5.550	168	222856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	381224	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153709	47.410	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.820%		
35) Dibromofluoromethane	5.385	113	119537	47.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.980%		
50) Toluene-d8	8.647	98	471799	50.212	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.420%		
62) 4-Bromofluorobenzene	11.079	95	191464	50.447	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	300	Below Cal	#	57
11) Tert butyl alcohol	2.953	59	1970	2.918	ug/l #	89
16) Acetone	2.380	43	39136	25.626	ug/l	99
18) Methyl Acetate	2.709	43	5232	1.048	ug/l	97
20) Methylene Chloride	2.788	84	20812	7.022	ug/l	93
25) 2-Butanone	4.568	43	11581	5.300	ug/l #	79
29) Tetrahydrofuran	5.019	42	1261	0.935	ug/l #	64
31) Cyclohexane	5.550	56	5698	1.253	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	18292	4.732	ug/l #	50
37) Ethyl Acetate	4.714	43	57405	13.592	ug/l	100
38) Carbon Tetrachloride	5.550	117	23163	6.023	ug/l #	16
43) Isopropyl Acetate	6.342	43	221884	31.012	ug/l	99
48) Methyl methacrylate	7.799	41	166034	48.250	ug/l #	46
49) 1,4-Dioxane	7.635	88	79	1.093	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	171111	41.226	ug/l #	50
52) Toluene	8.720	92	1818	0.260	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	72616	15.333	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	7226	1.463	ug/l #	42
59) 2-Hexanone	9.482	43	110288	34.374	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	108186	33.547	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	108186	90.755	ug/l #	8

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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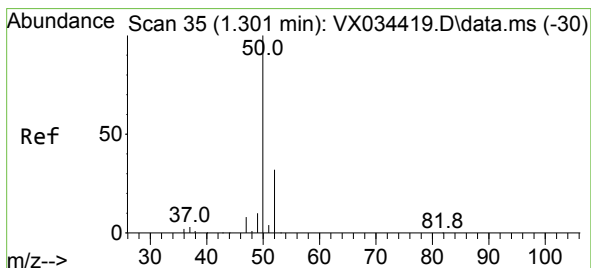
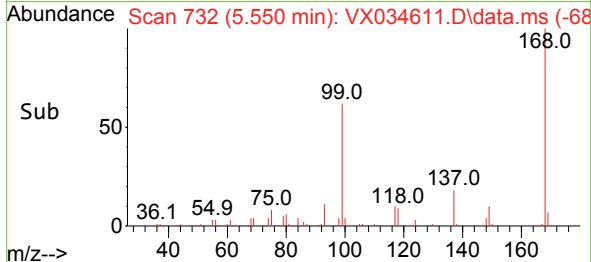
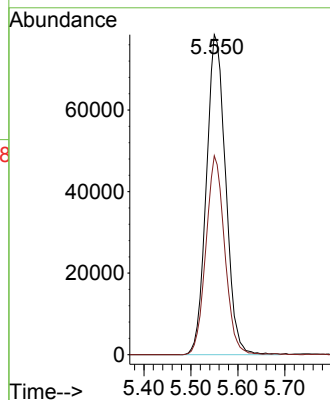
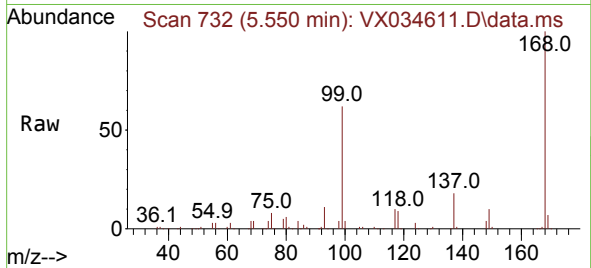




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

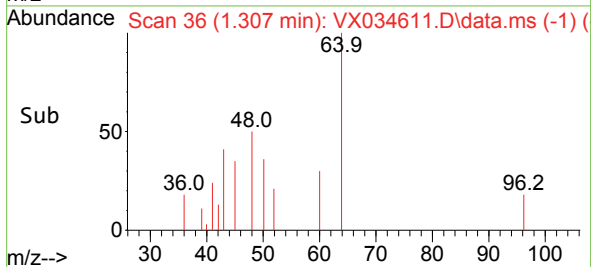
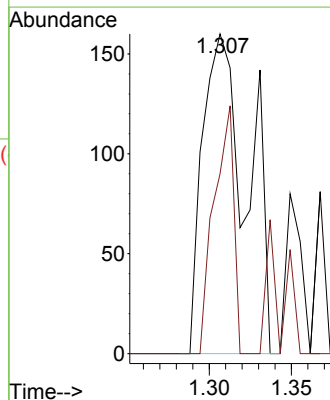
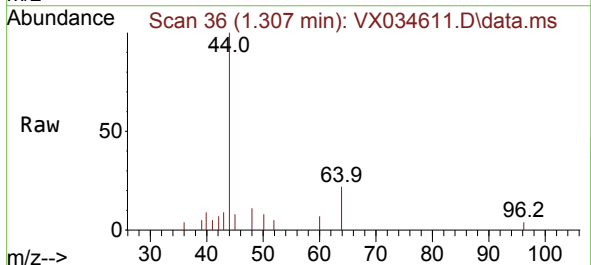
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

Tgt Ion:168 Resp: 222856
Ion Ratio Lower Upper
168 100
99 62.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 50 Resp: 300
Ion Ratio Lower Upper
50 100
52 56.3 25.9 38.9#

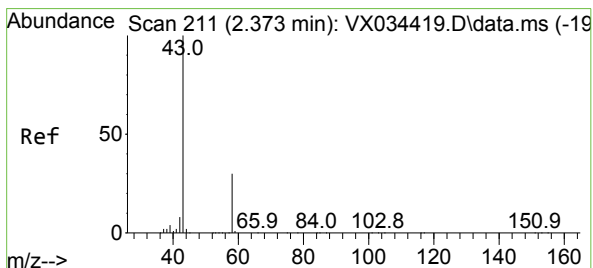
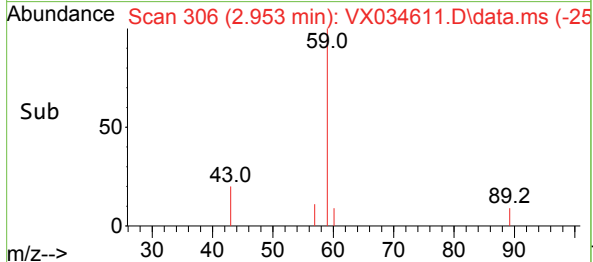
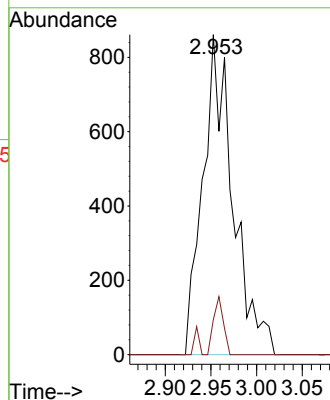
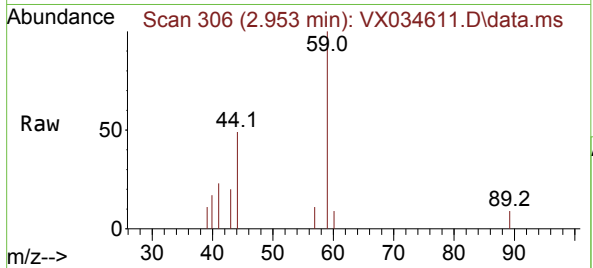




#11
Tert butyl alcohol
Concen: 2.918 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

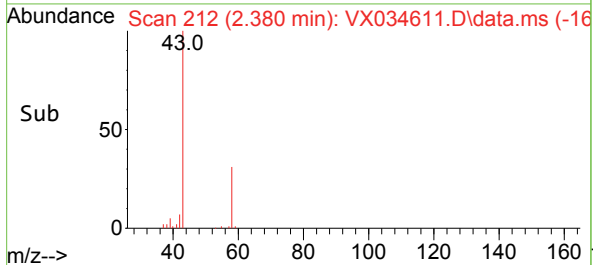
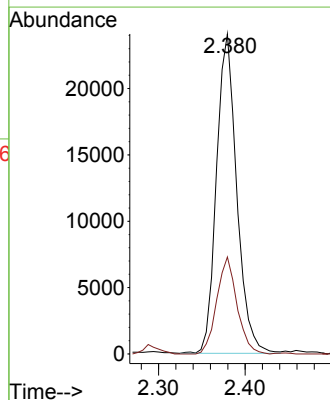
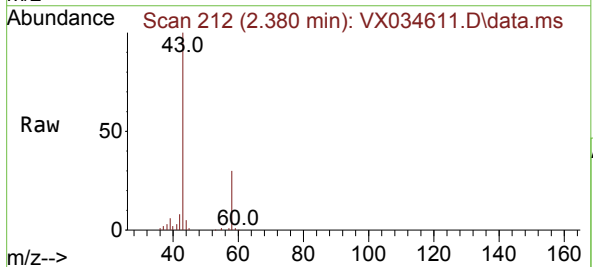
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

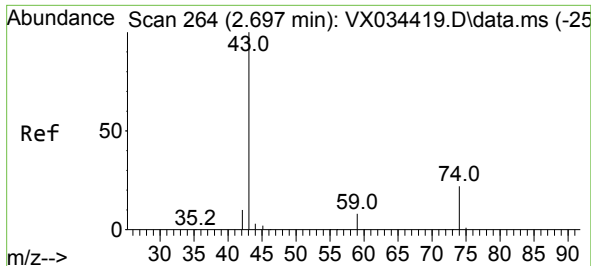
Tgt Ion: 59 Resp: 1970
Ion Ratio Lower Upper
59 100
57 5.9 8.1 12.1#



#16
Acetone
Concen: 25.626 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 43 Resp: 39136
Ion Ratio Lower Upper
43 100
58 30.4 24.7 37.1

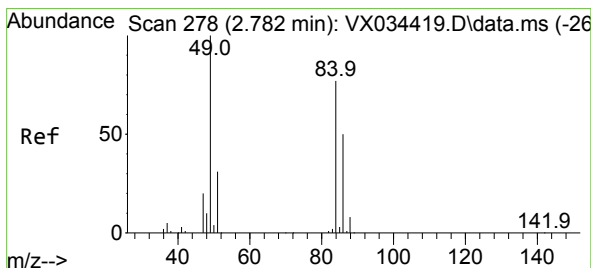
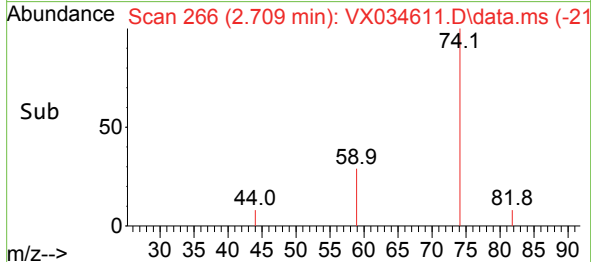
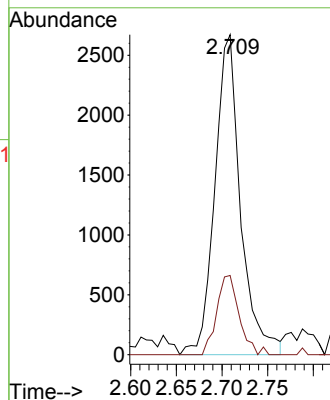
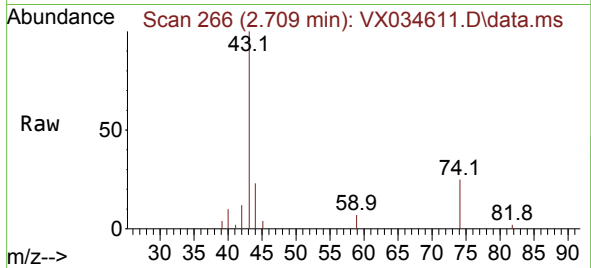




#18
Methyl Acetate
Concen: 1.048 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

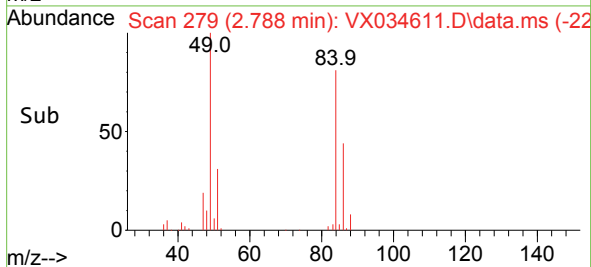
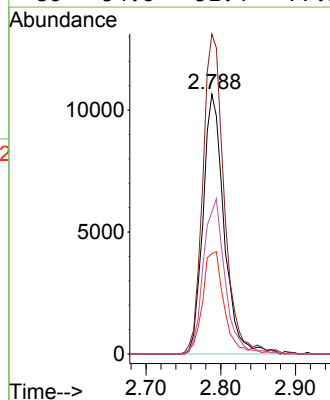
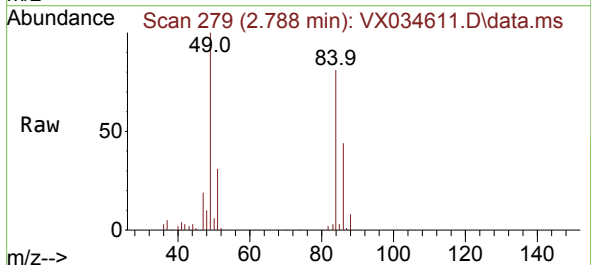
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

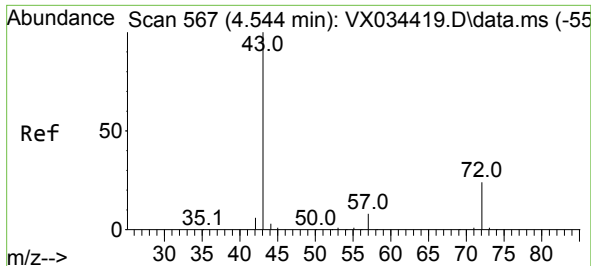
Tgt Ion: 43 Resp: 5232
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5



#20
Methylene Chloride
Concen: 7.022 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 84 Resp: 20812
Ion Ratio Lower Upper
84 100
49 123.1 103.8 155.8
51 38.6 31.8 47.8
86 54.6 51.4 77.2

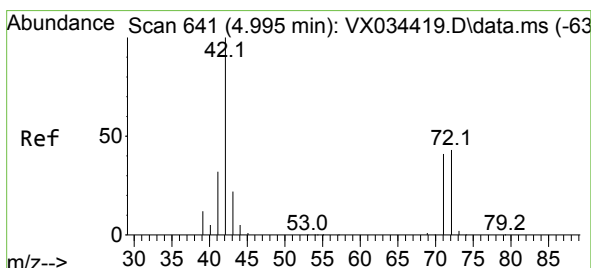
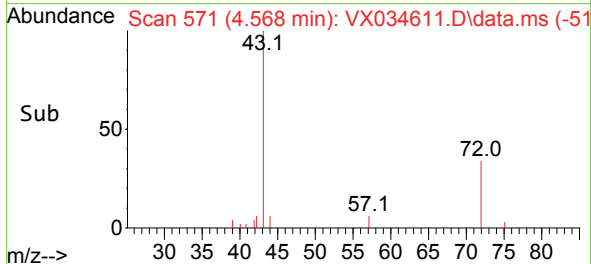
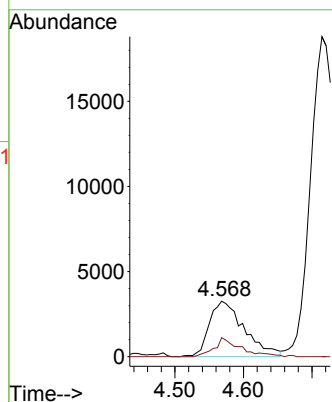
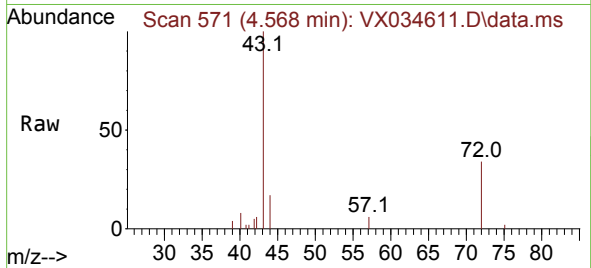




#25
2-Butanone
Concen: 5.300 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

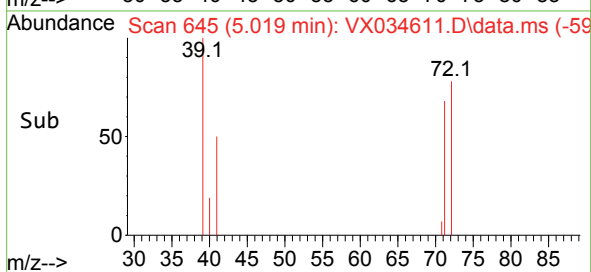
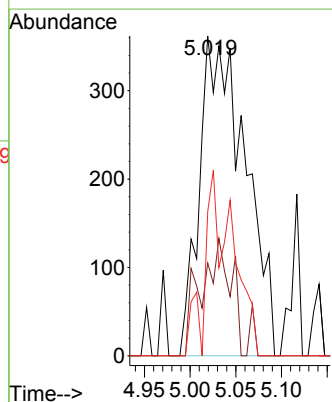
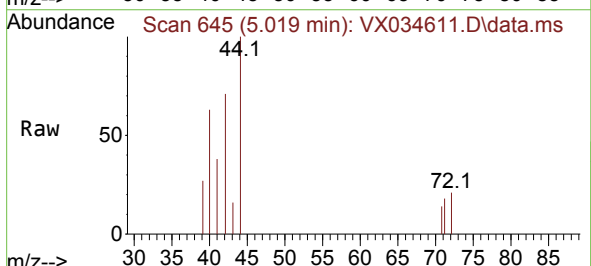
Instrument :
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ClientSampleId :
SV-TP4-0316

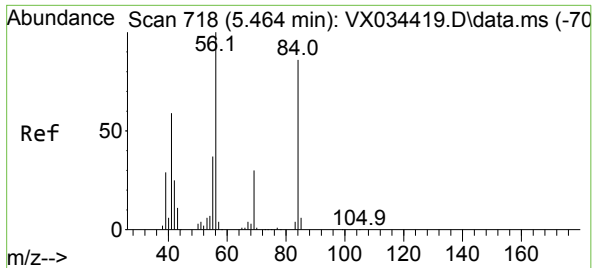
Tgt Ion: 43 Resp: 11581
Ion Ratio Lower Upper
43 100
72 34.3 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.935 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.024 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 42 Resp: 1261
Ion Ratio Lower Upper
42 100
72 17.3 34.5 51.7#
71 21.3 32.1 48.1#

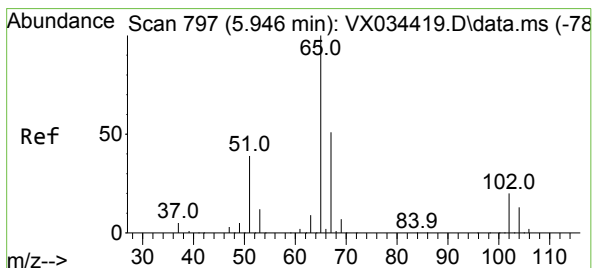
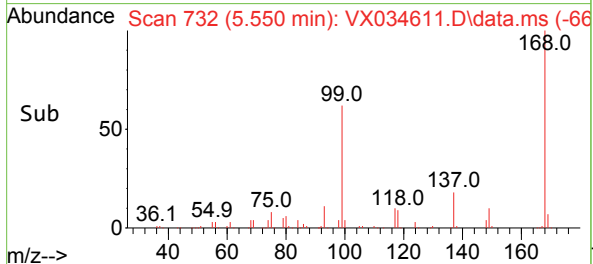
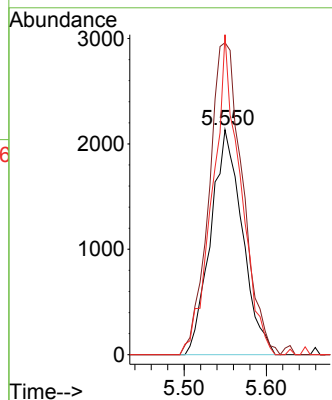
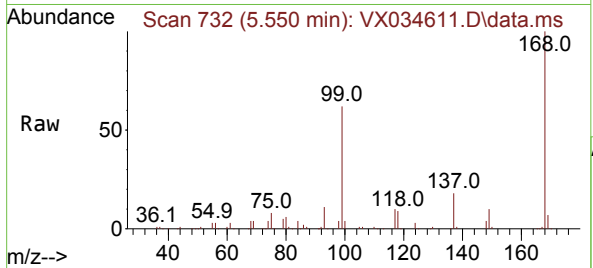




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

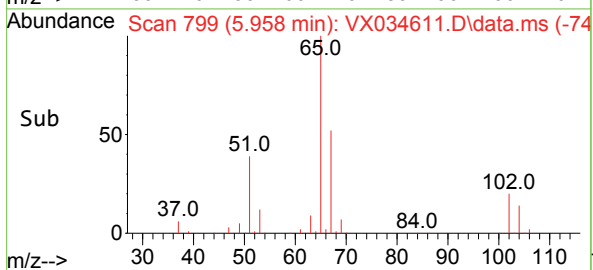
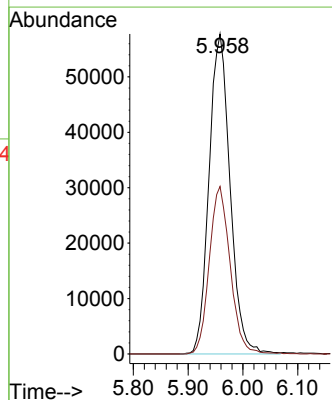
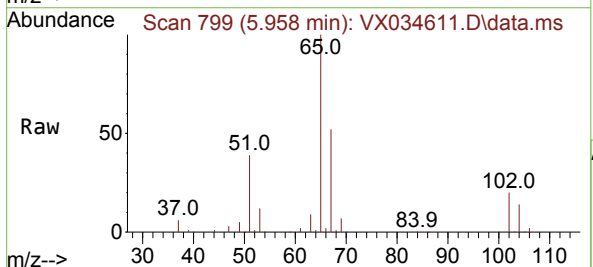
Instrument :
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ClientSampleId :
SV-TP4-0316

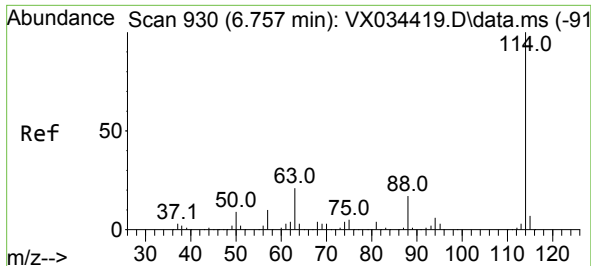
Tgt Ion: 56 Resp: 5698
Ion Ratio Lower Upper
56 100
69 138.7 23.7 35.5#
84 142.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.410 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 65 Resp: 153709
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

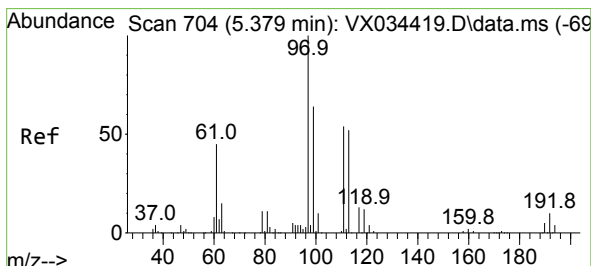
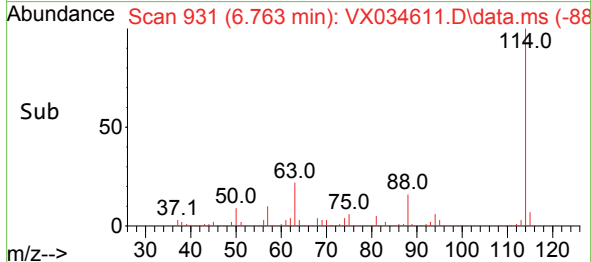
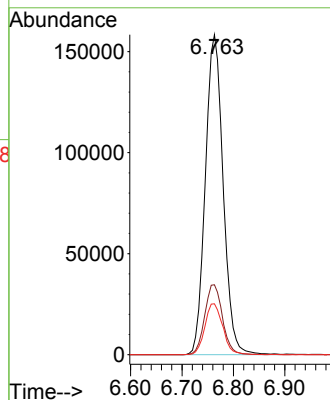
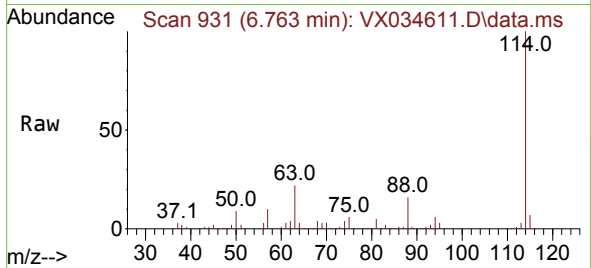




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

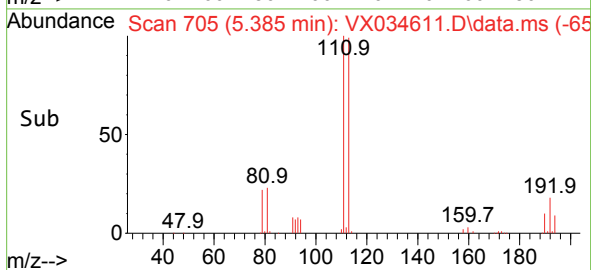
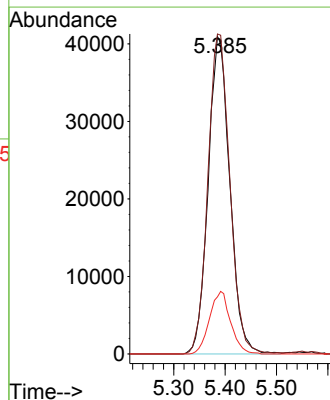
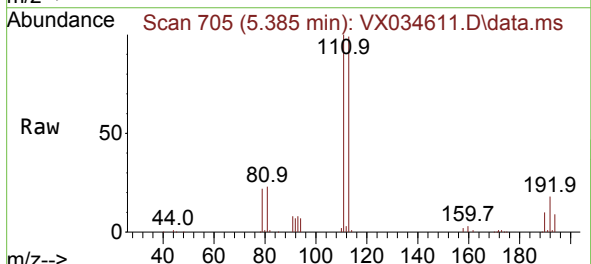
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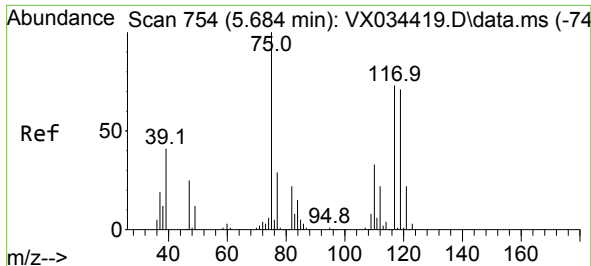
Tgt Ion:114 Resp: 381224
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.2
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.491 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion:113 Resp: 119537
Ion Ratio Lower Upper
113 100
111 102.3 83.7 125.5
192 19.2 15.4 23.2

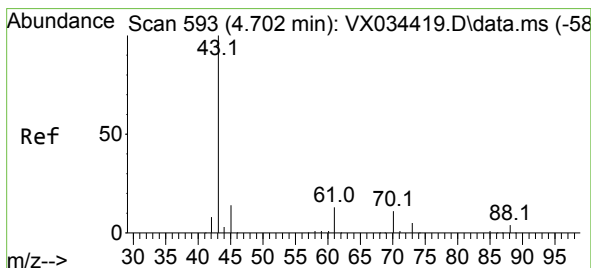
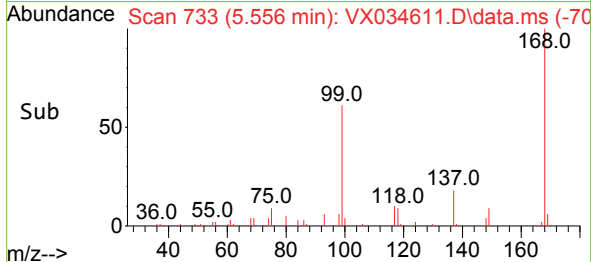
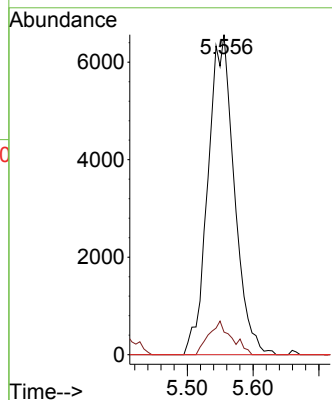
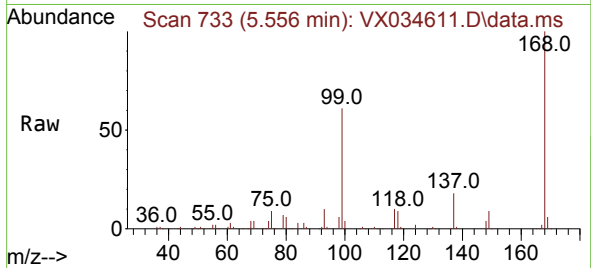




#36
1,1-Dichloropropene
Concen: 4.732 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

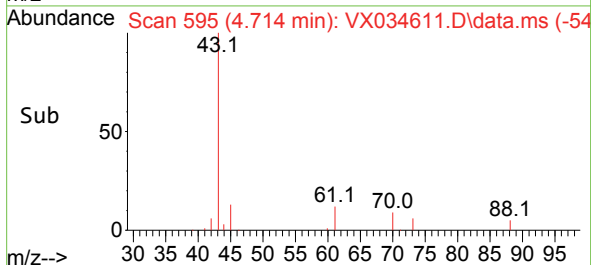
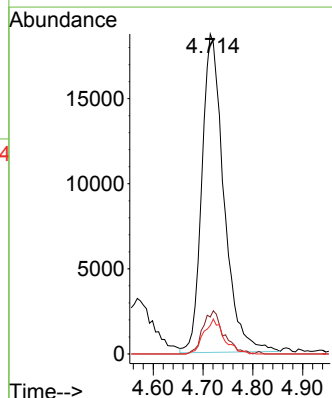
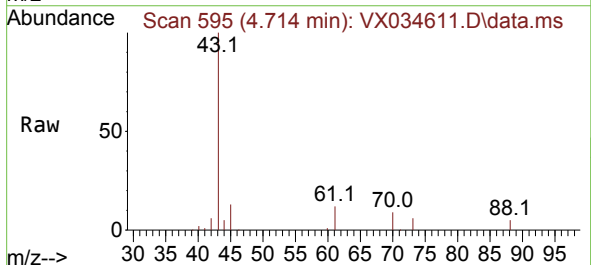
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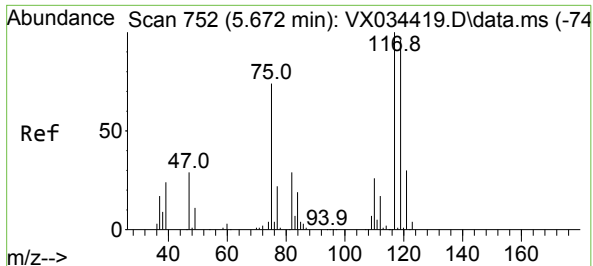
Tgt Ion: 75 Resp: 18292
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.592 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

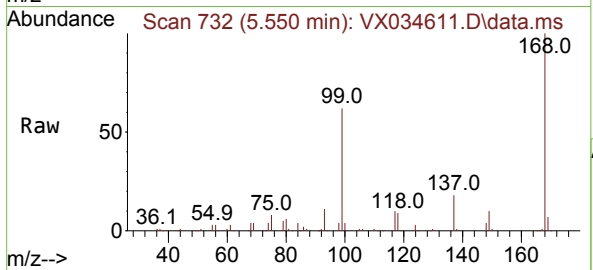
Tgt Ion: 43 Resp: 57405
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.4
70 10.0 8.2 12.4



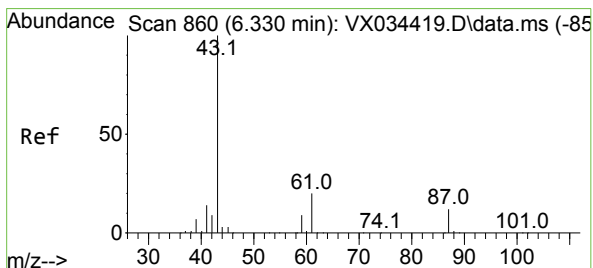
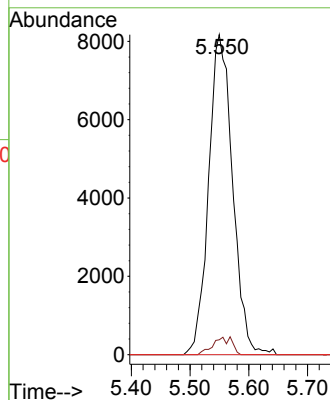
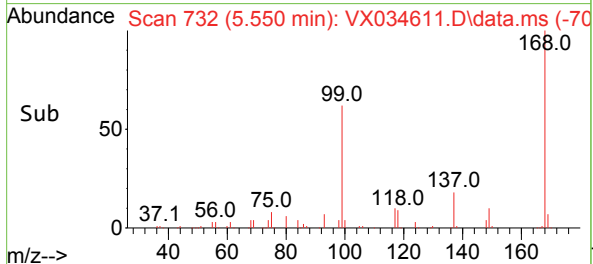


#38
Carbon Tetrachloride
Concen: 6.023 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

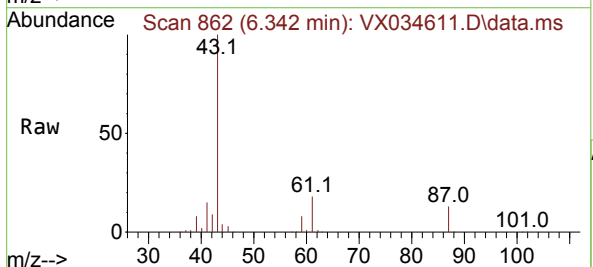
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316



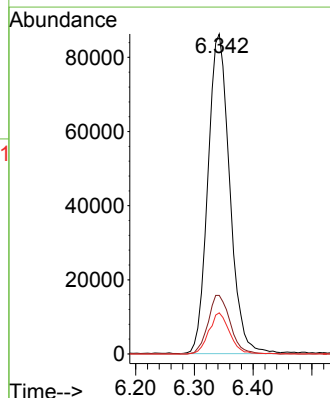
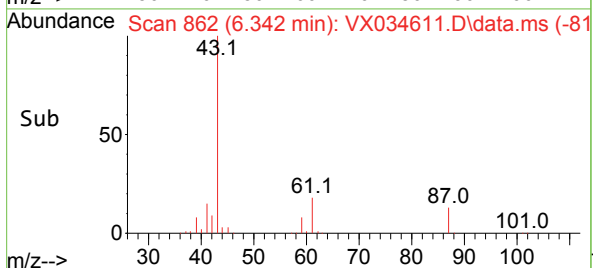
Tgt Ion:117 Resp: 23163
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 23.8 35.6#

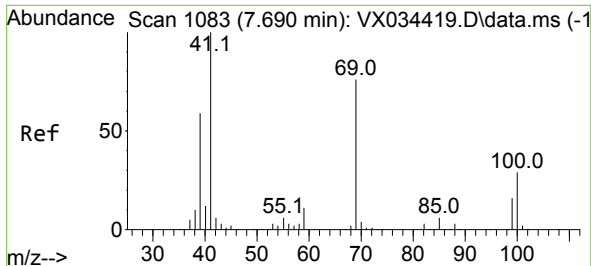


#43
Isopropyl Acetate
Concen: 31.012 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53



Tgt Ion: 43 Resp: 221884
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.3 9.8 14.8

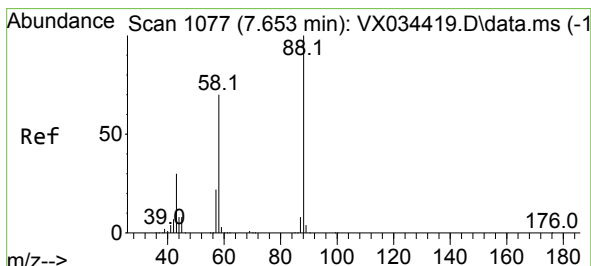
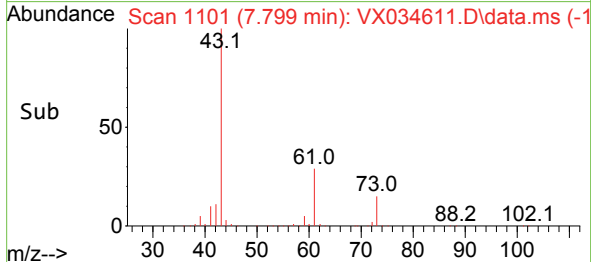
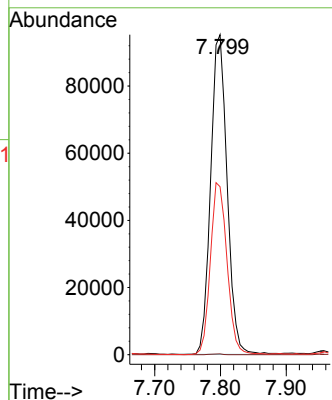
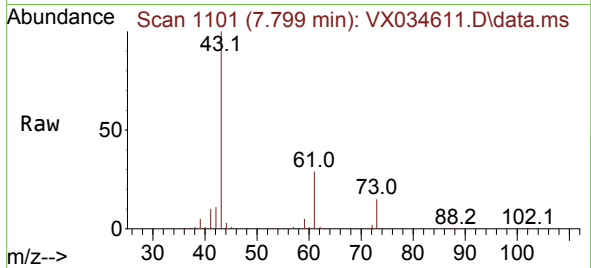




#48
Methyl methacrylate
Concen: 48.250 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

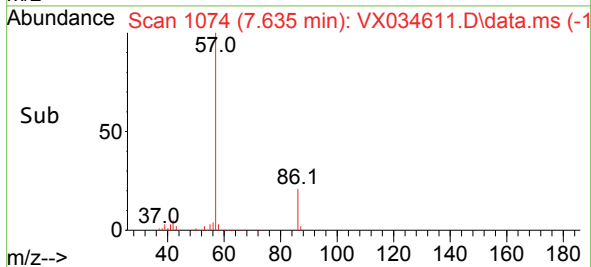
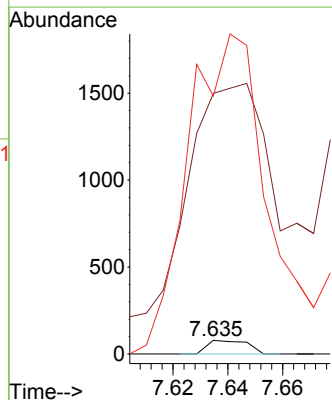
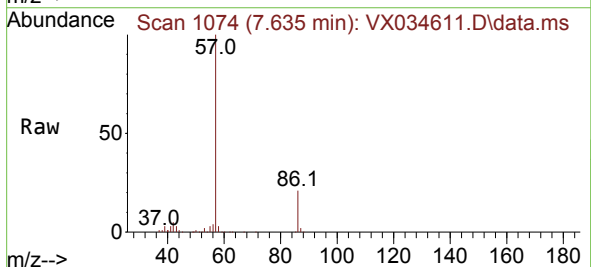
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

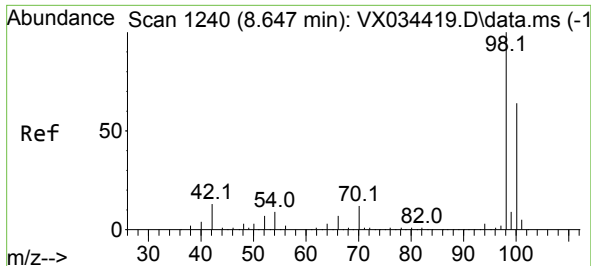
Tgt Ion: 41 Resp: 166034
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.4 47.7 71.5



#49
1,4-Dioxane
Concen: 1.093 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.018 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 4660.8 56.8 85.2#

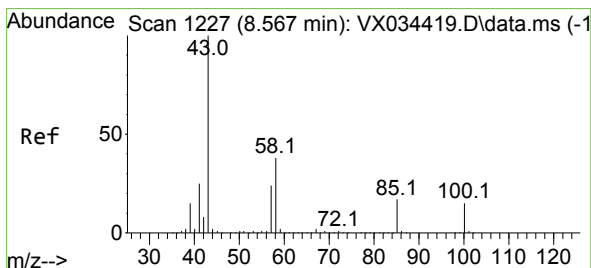
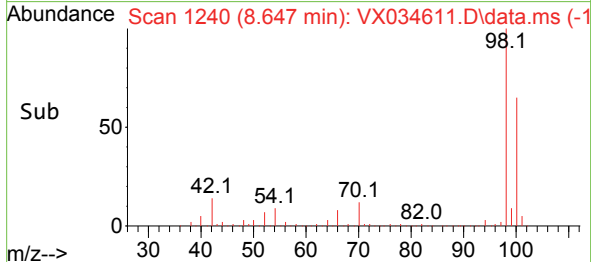
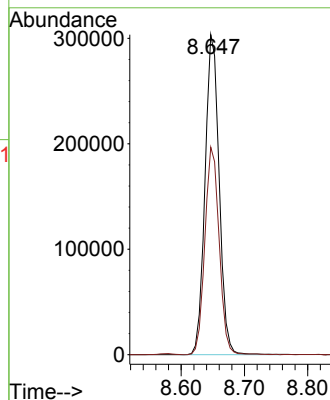
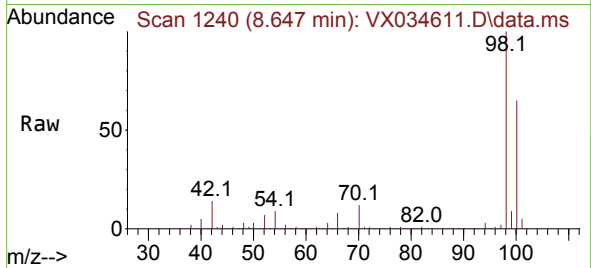




#50
Toluene-d8
Concen: 50.212 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

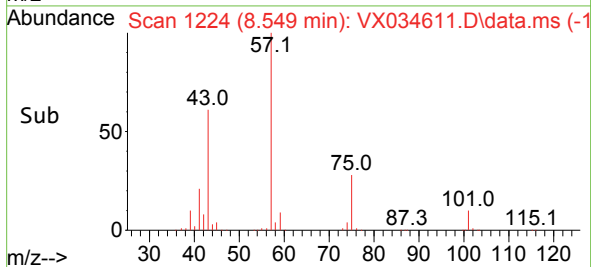
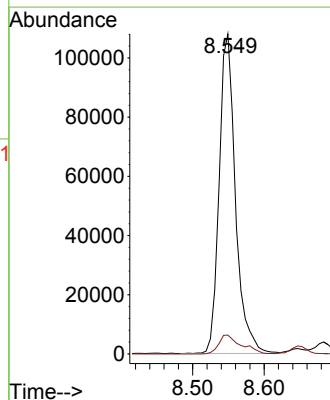
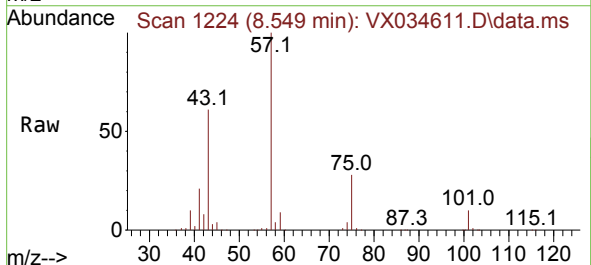
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

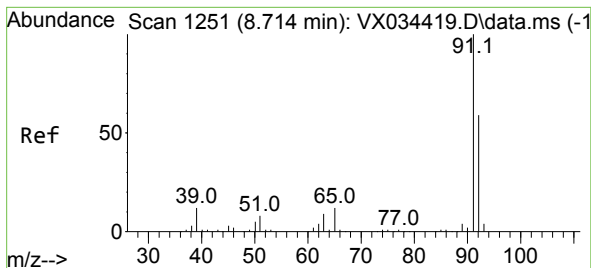
Tgt Ion: 98 Resp: 471799
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 41.226 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 43 Resp: 171111
Ion Ratio Lower Upper
43 100
58 8.2 30.6 46.0#





#52

Toluene

Concen: 0.260 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX034611.D

Acq: 18 Mar 2023 04:53

Instrument :

MSVOA_X

ClientSampleId :

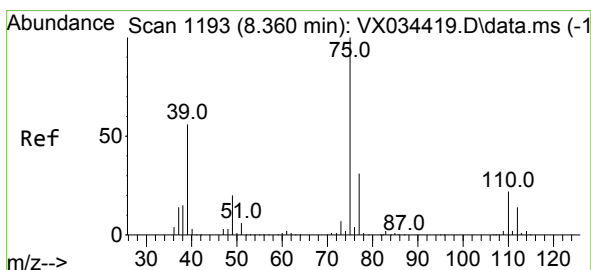
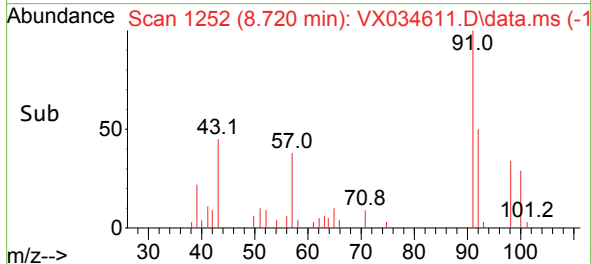
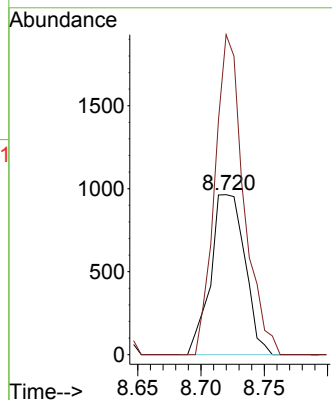
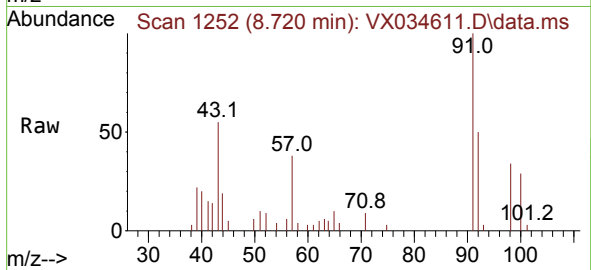
SV-TP4-0316

Tgt Ion: 92 Resp: 1818

Ion Ratio Lower Upper

92 100

91 169.0 136.8 205.2



#54

cis-1,3-Dichloropropene

Concen: 15.333 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX034611.D

Acq: 18 Mar 2023 04:53

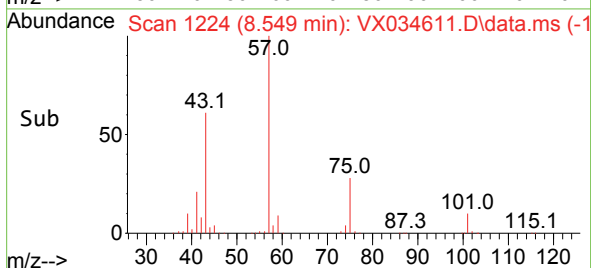
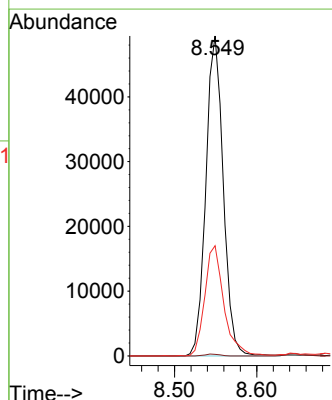
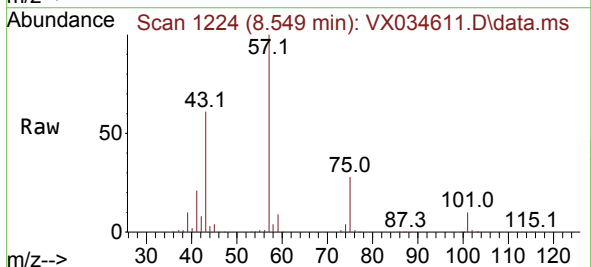
Tgt Ion: 75 Resp: 72616

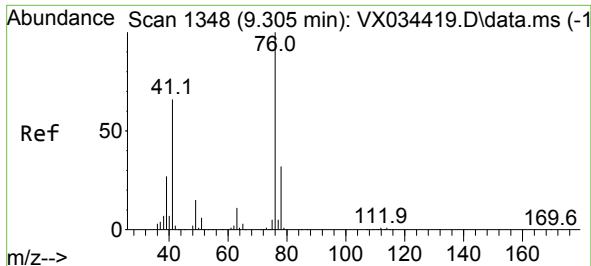
Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

39 34.3 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.463 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034611.D

Acq: 18 Mar 2023 04:53

Instrument :

MSVOA_X

ClientSampleId :

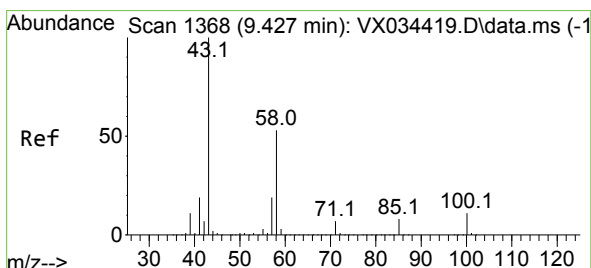
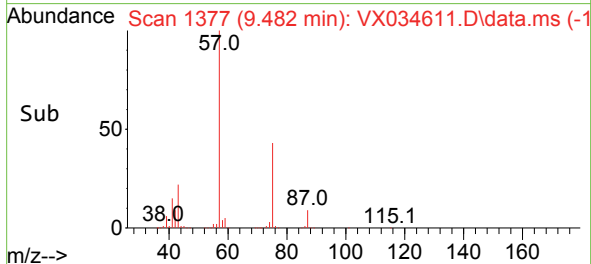
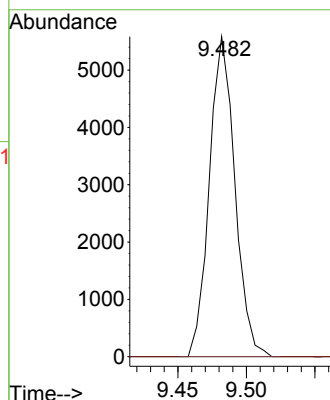
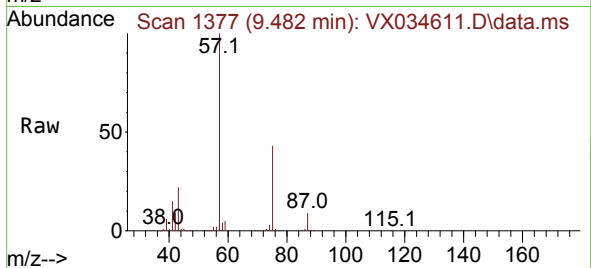
SV-TP4-0316

Tgt Ion: 76 Resp: 7226

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 34.374 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034611.D

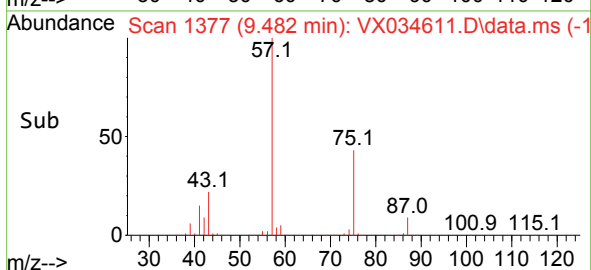
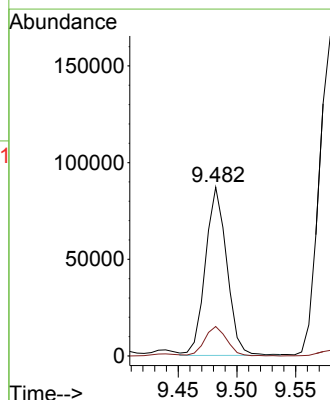
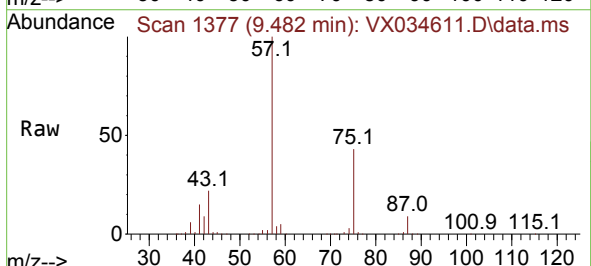
Acq: 18 Mar 2023 04:53

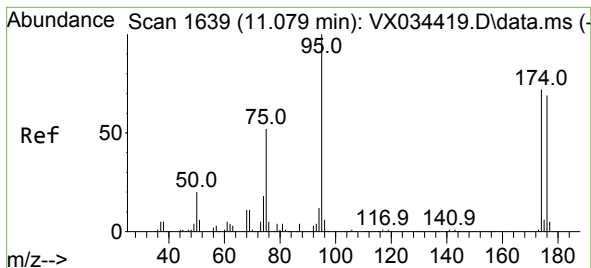
Tgt Ion: 43 Resp: 110288

Ion Ratio Lower Upper

43 100

58 18.1 26.3 78.9#

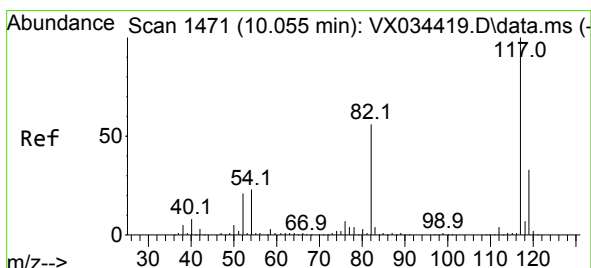
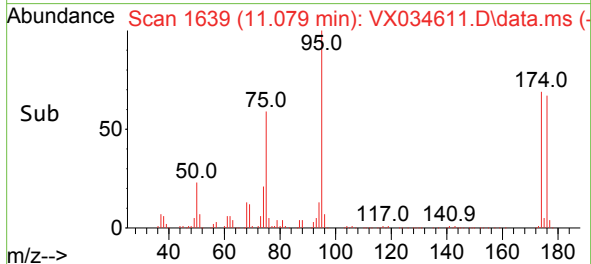
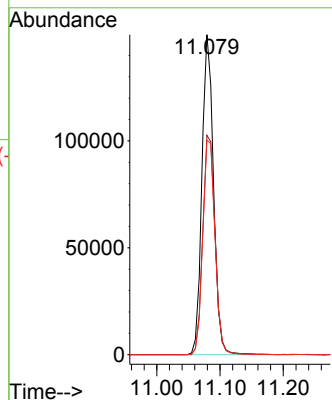
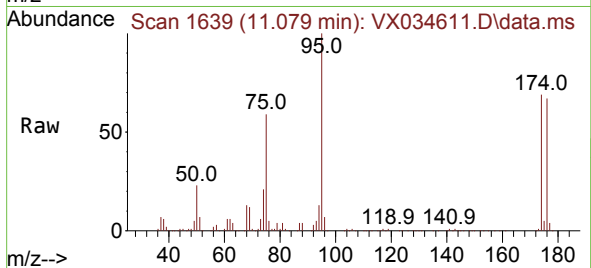




#62
4-Bromofluorobenzene
Concen: 50.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

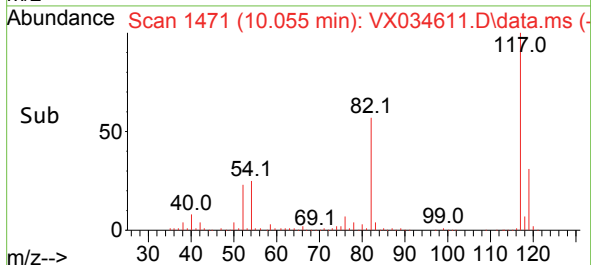
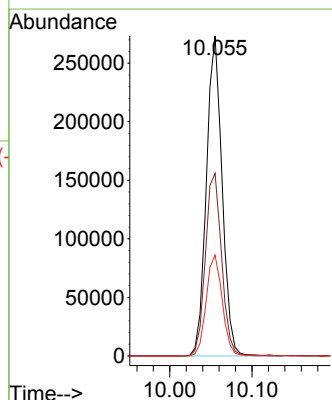
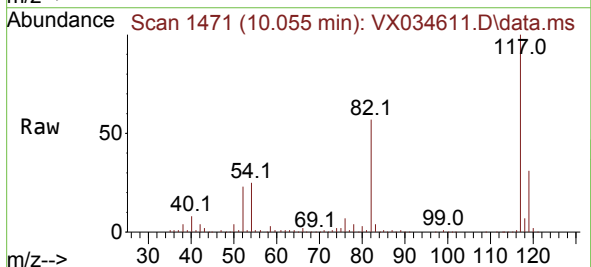
Instrument :
MSVOA_X
ClientSampleId :
SV-TP4-0316

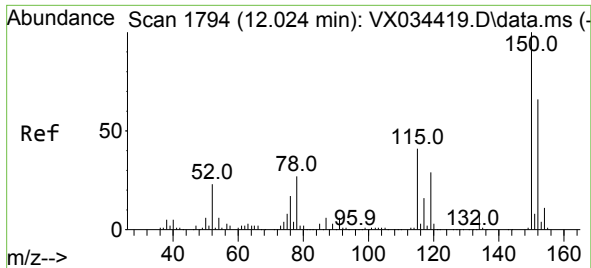
Tgt Ion: 95 Resp: 191464
Ion Ratio Lower Upper
95 100
174 72.6 0.0 147.4
176 71.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034611.D
Acq: 18 Mar 2023 04:53

Tgt Ion: 117 Resp: 362690
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 31.5 26.0 39.0

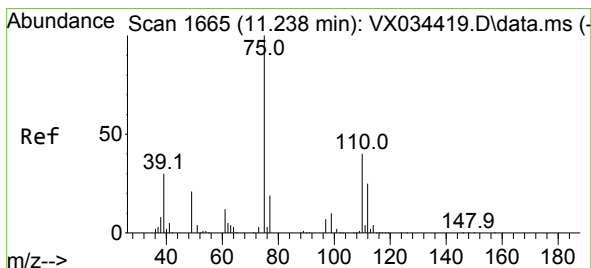
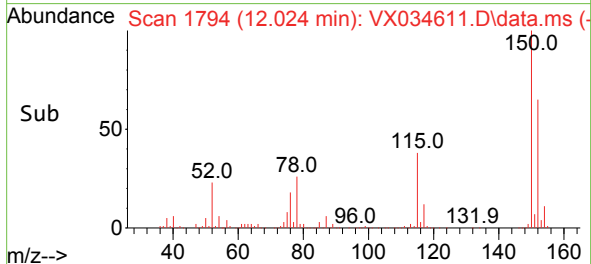
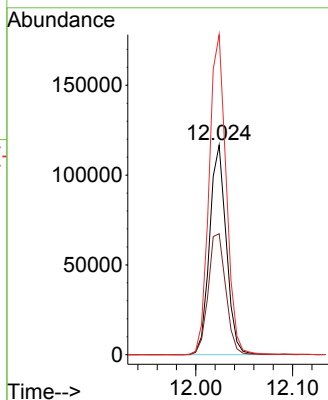
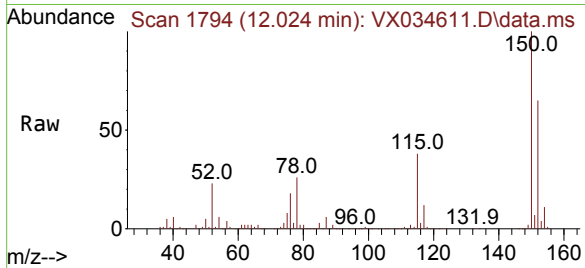




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034611.D
 Acq: 18 Mar 2023 04:53

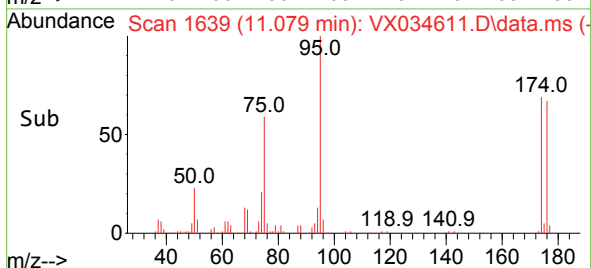
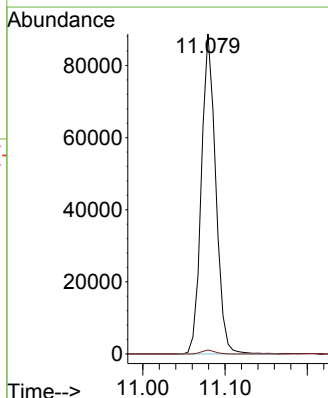
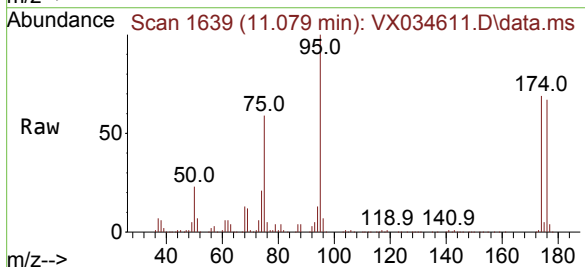
Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP4-0316

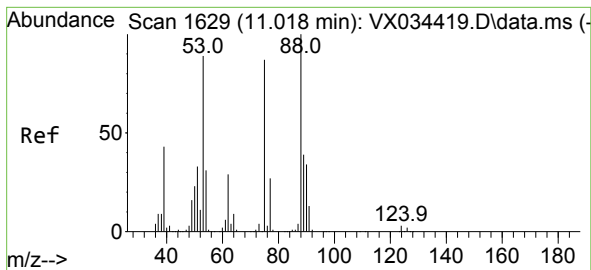
Tgt Ion:152 Resp: 140451
 Ion Ratio Lower Upper
 152 100
 115 61.0 45.0 135.0
 150 156.5 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 33.547 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034611.D
 Acq: 18 Mar 2023 04:53

Tgt Ion: 75 Resp: 108186
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.755 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034611.D
 Acq: 18 Mar 2023 04:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SV-TP4-0316

Tgt Ion: 75 Resp: 108186
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

