

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091621\
 Data File : VX024297.D
 Acq On : 16 Sep 2021 18:50
 Operator : JC/MD
 Sample : M3774-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-03-(1.0)

Quant Time: Sep 17 04:42:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

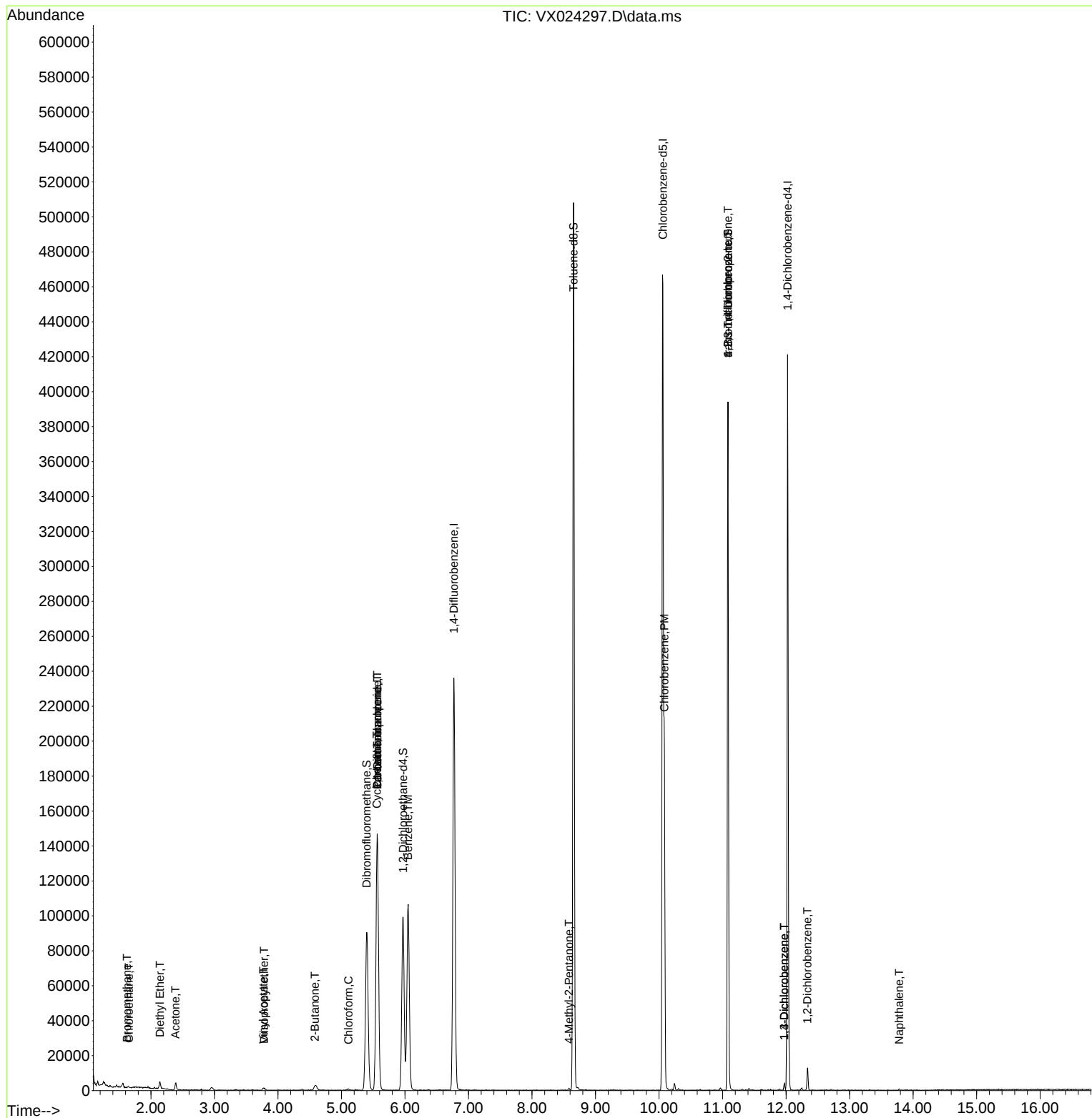
Internal Standards							
1) Pentafluorobenzene	5.562	168		136419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114		235443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117		209344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		84919	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.970	65		101052	51.947	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.900%	
35) Dibromofluoromethane	5.397	113		78064	49.439	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%	
50) Toluene-d8	8.653	98		295581	51.386	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.780%	
62) 4-Bromofluorobenzene	11.085	95		97505	43.557	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.120%	
Target Compounds							
						Qvalue	
5) Bromomethane	1.624	94		306	0.377	ug/l	85
6) Chloroethane	1.654	64		565	2.489	ug/l #	43
8) Diethyl Ether	2.142	74		1249	1.579	ug/l	79
11) Tert butyl alcohol	2.953	59		1533	Below Cal	#	73
16) Acetone	2.386	43		4224	5.092	ug/l #	87
22) Diisopropyl ether	3.782	45		1282	0.286	ug/l #	75
23) Vinyl Acetate	3.770	43		750	0.206	ug/l #	68
25) 2-Butanone	4.580	43		954	0.781	ug/l #	45
30) Chloroform	5.111	83		998	0.356	ug/l #	75
31) Cyclohexane	5.556	56		3112	1.368	ug/l #	1
36) 1,1-Dichloropropene	5.562	75		10746	4.964	ug/l #	49
38) Carbon Tetrachloride	5.562	117		14335	5.884	ug/l #	18
40) Benzene	6.050	78		125943	20.286	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43		704	0.275	ug/l #	75
65) Chlorobenzene	10.086	112		80592	18.712	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75		53029	27.158	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75		53029	79.871	ug/l #	12
87) 1,3-Dichlorobenzene	11.969	146		1384	0.486	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146		1384	0.476	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146		4141	1.483	ug/l	98
95) Naphthalene	13.780	128		780	1.412	ug/l #	77

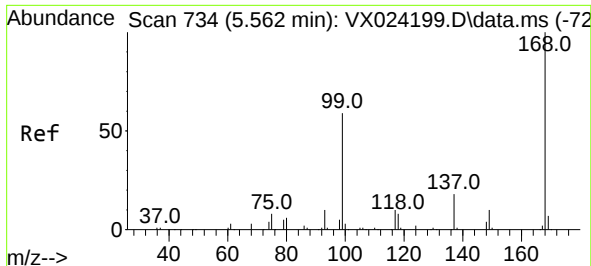
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 04:42:36 2021
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Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

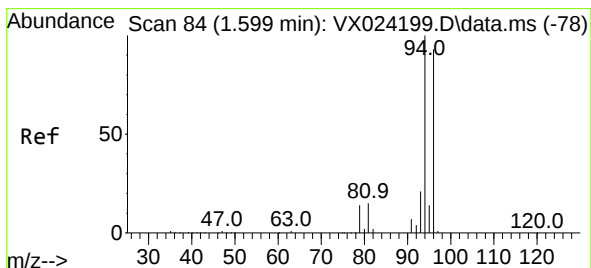
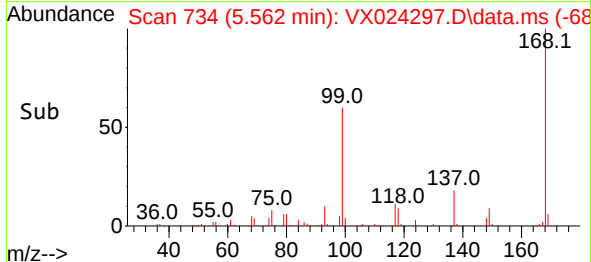
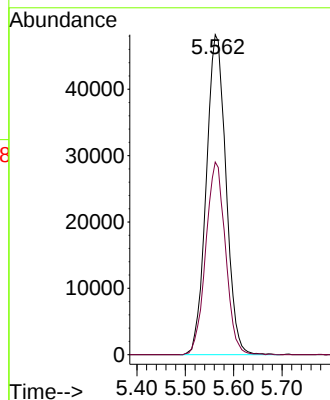
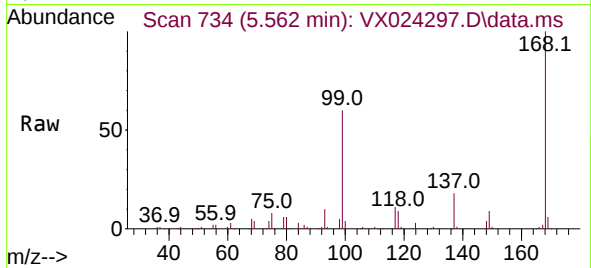




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

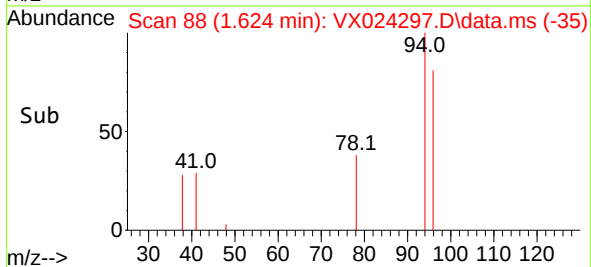
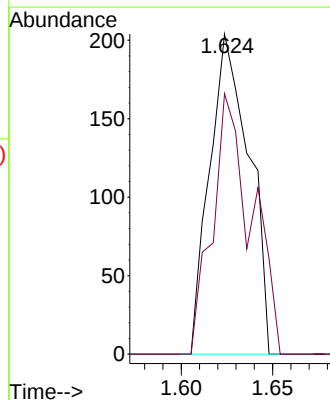
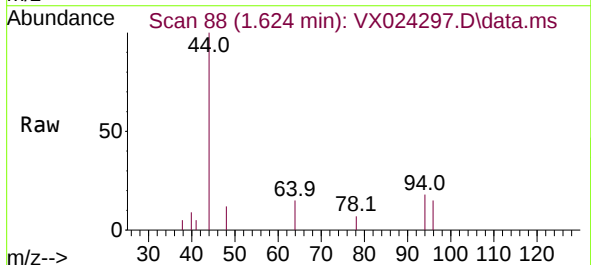
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

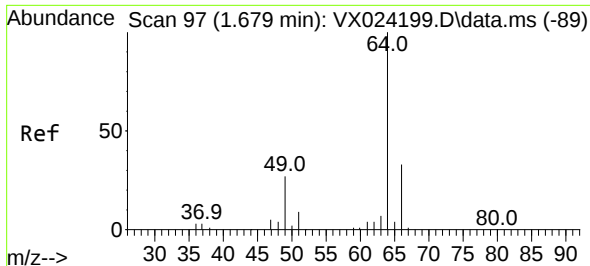
Tgt Ion:168 Resp: 136419
Ion Ratio Lower Upper
168 100
99 60.2 45.8 68.6



#5
Bromomethane
Concen: 0.377 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 81.4 76.4 114.6

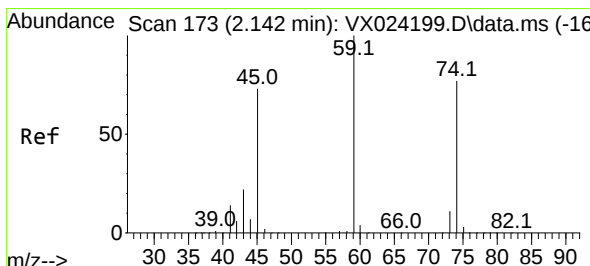
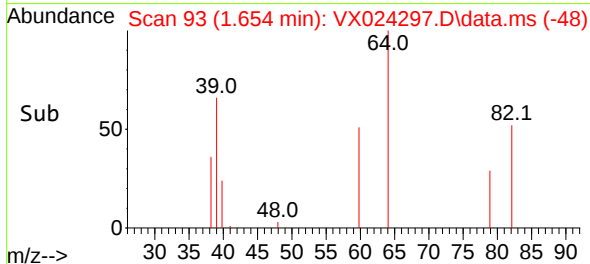
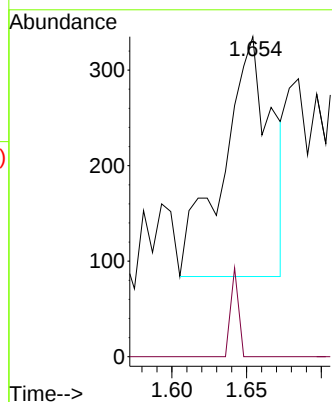
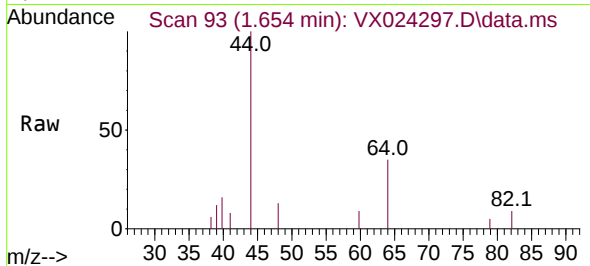




#6
Chloroethane
Concen: 2.489 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

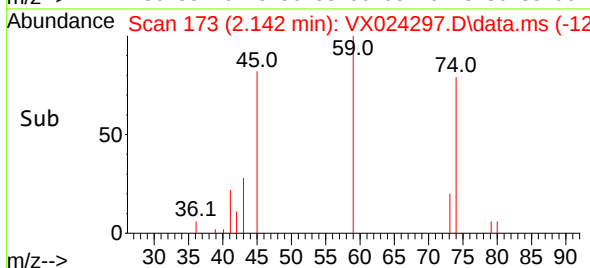
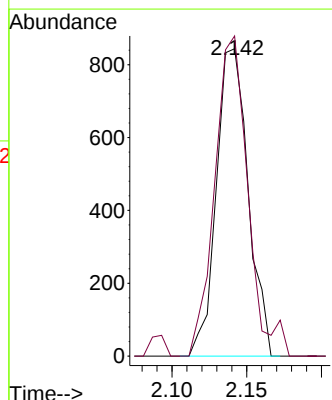
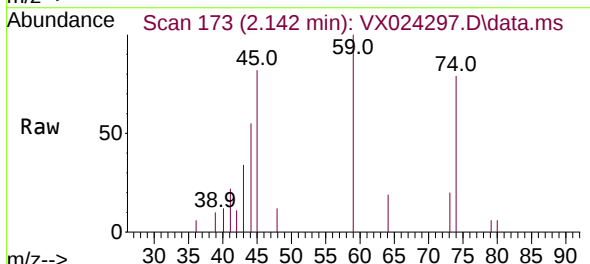
Instrument :
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ClientSampleId :
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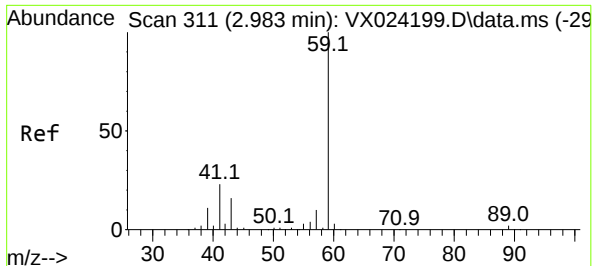
Tgt Ion: 64 Resp: 565
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 1.579 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 74 Resp: 1249
Ion Ratio Lower Upper
74 100
45 108.2 44.5 133.5



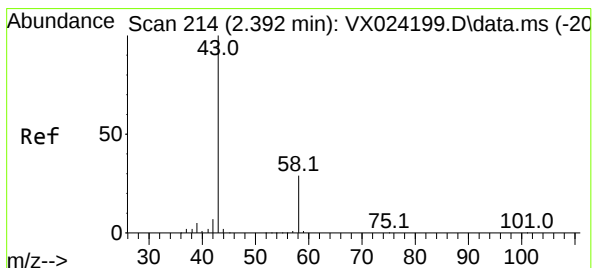
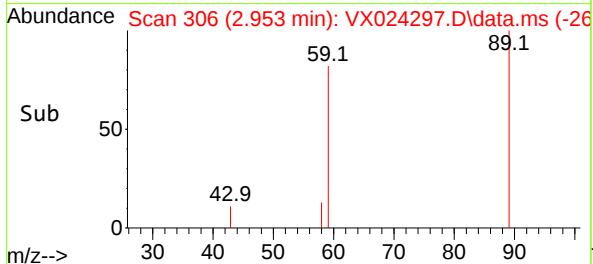
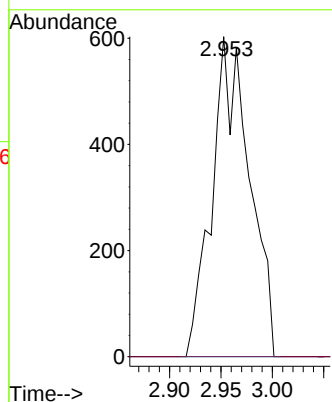
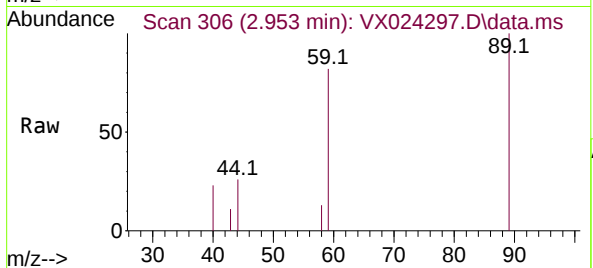


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

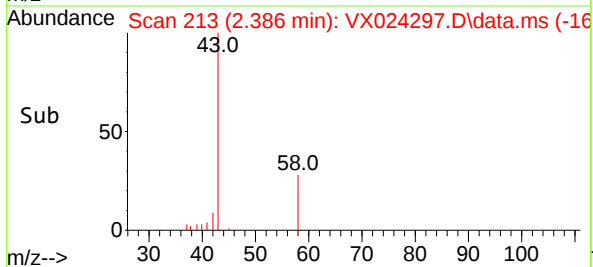
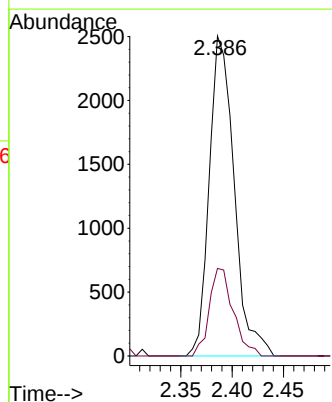
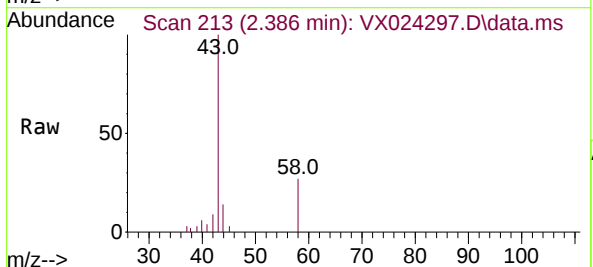
Tgt Ion: 59 Resp: 1533
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

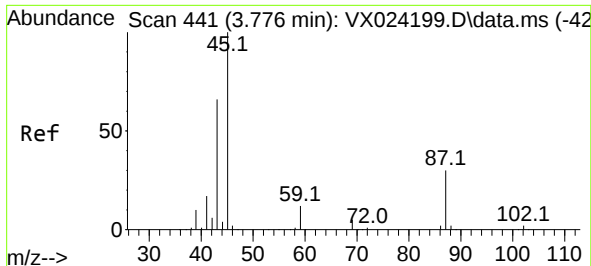


#16

Acetone
Concen: 5.092 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
58 27.3 27.8 41.8#

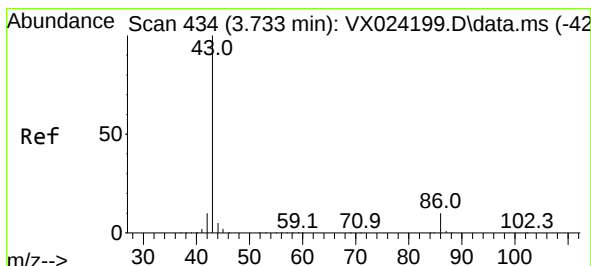
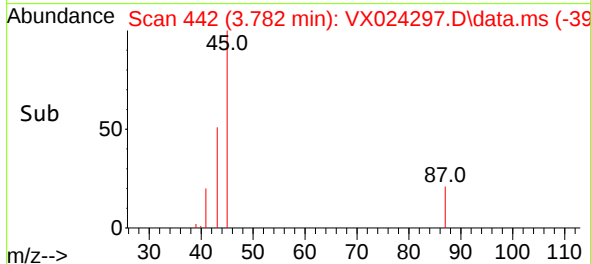
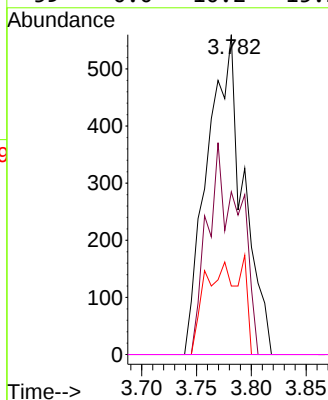
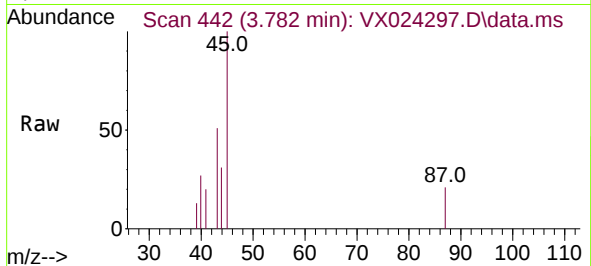




#22
Diisopropyl ether
Concen: 0.286 ug/l
RT: 3.782 min Scan# 442
Delta R.T. 0.006 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

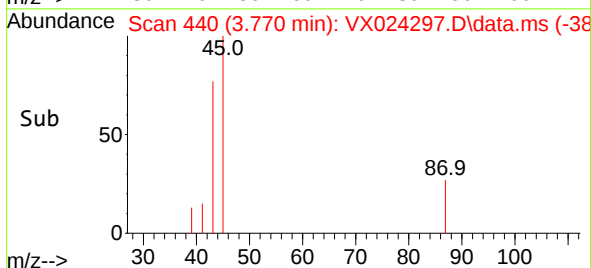
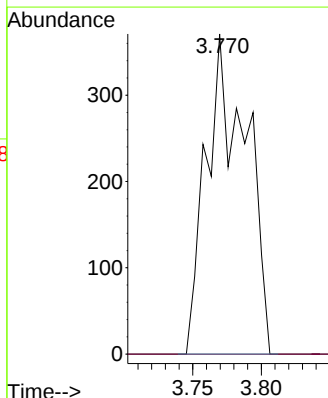
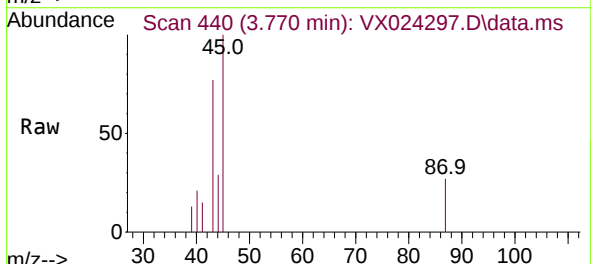
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

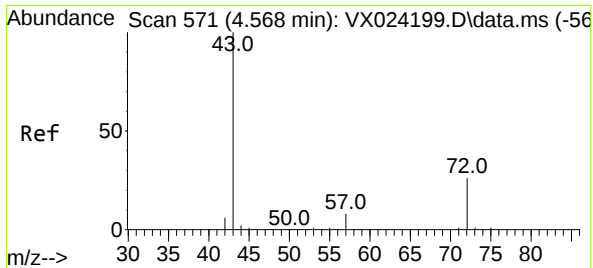
Tgt Ion: 45	Resp: 1282
Ion Ratio	Lower Upper
45 100	
43 50.9	58.0 87.0#
87 21.4	25.4 38.0#
59 0.0	10.2 15.2#



#23
Vinyl Acetate
Concen: 0.206 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.037 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 43	Resp: 750
Ion Ratio	Lower Upper
43 100	
86 0.0	9.9 14.9#

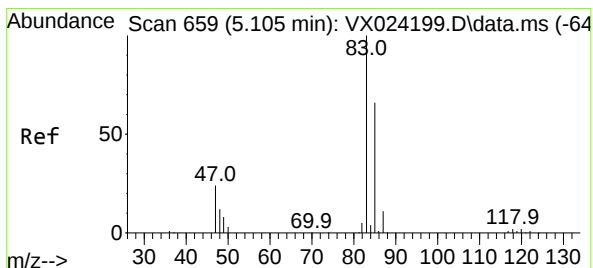
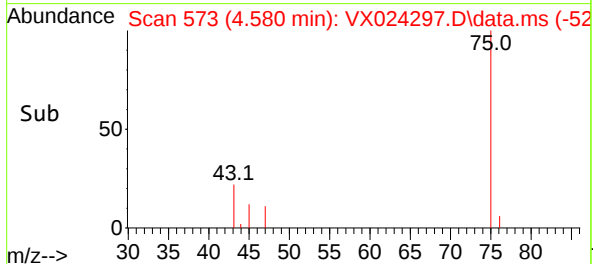
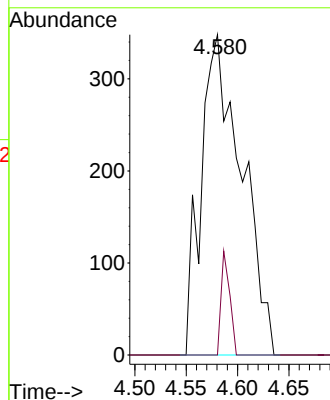
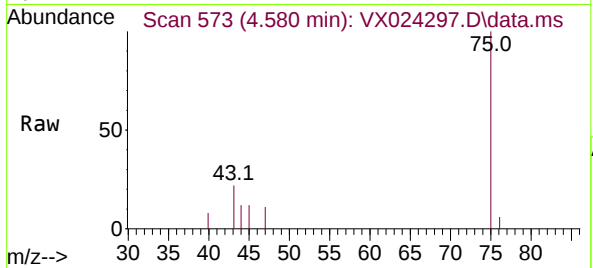




#25
2-Butanone
Concen: 0.781 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

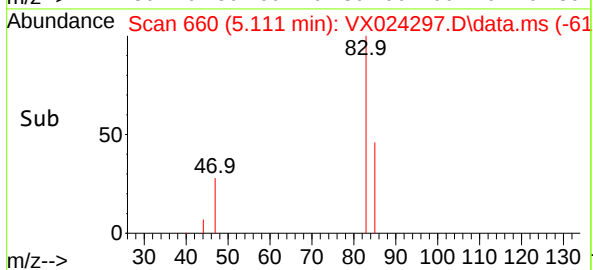
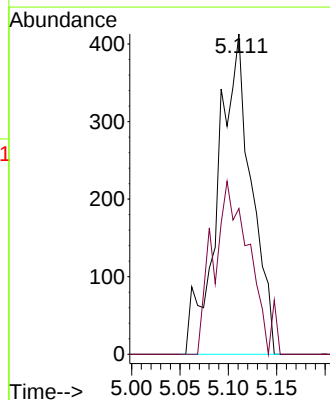
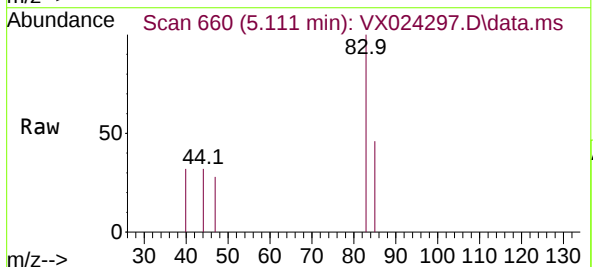
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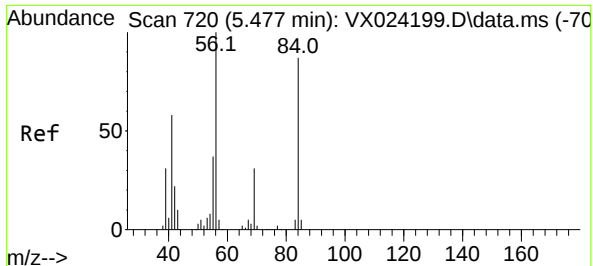
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#30
Chloroform
Concen: 0.356 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 83 Resp: 998
Ion Ratio Lower Upper
83 100
85 45.5 52.0 78.0#

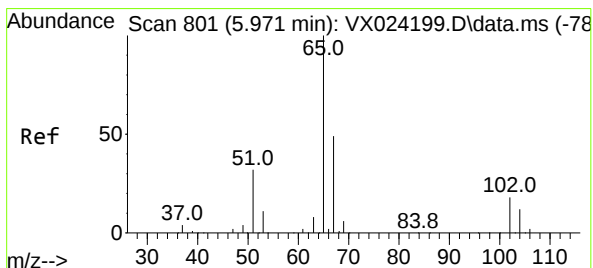
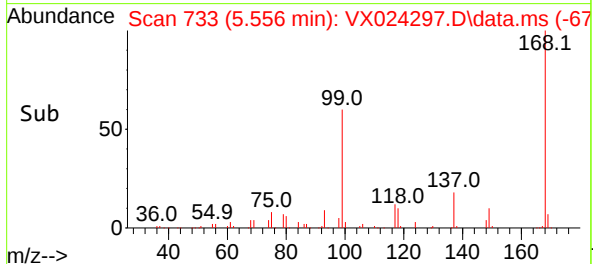
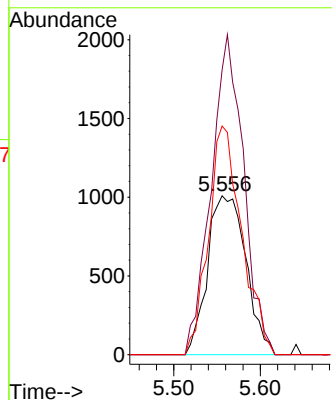
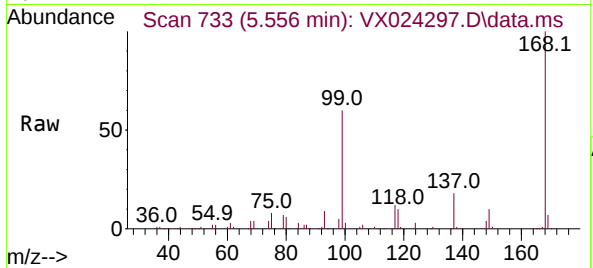




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

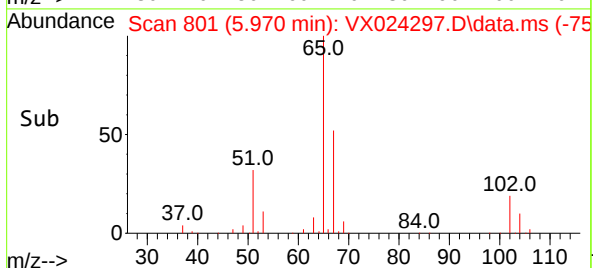
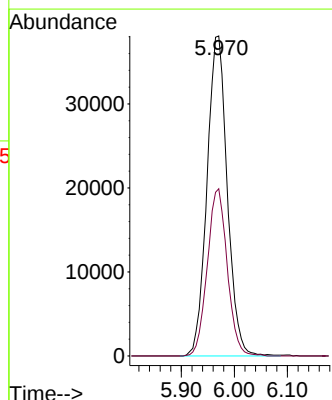
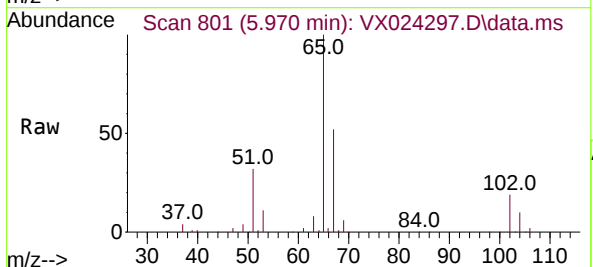
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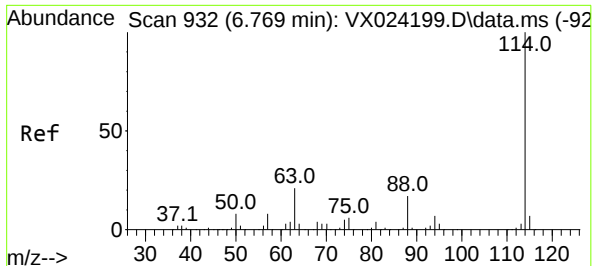
Tgt Ion: 56 Resp: 3112
Ion Ratio Lower Upper
56 100
69 179.2 25.3 37.9#
84 143.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.947 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 65 Resp: 101052
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

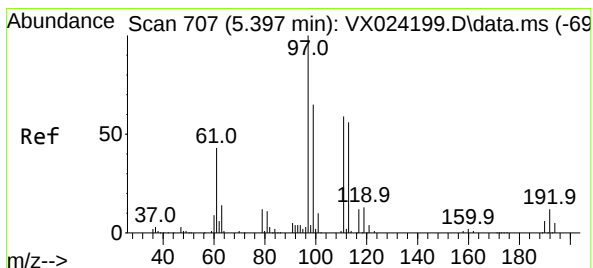
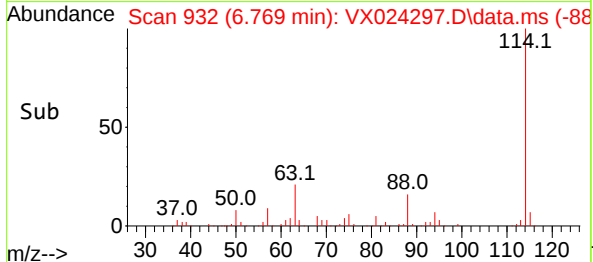
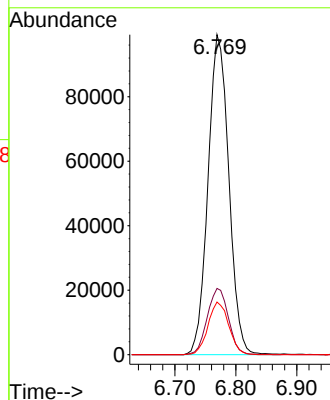
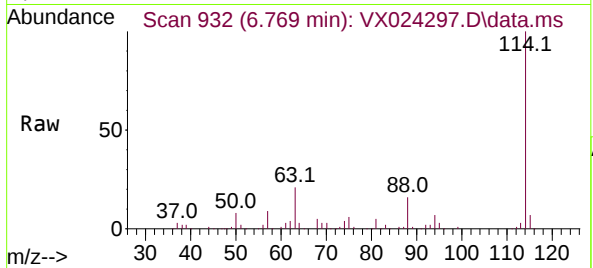




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

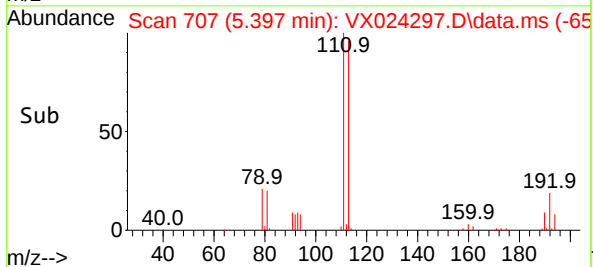
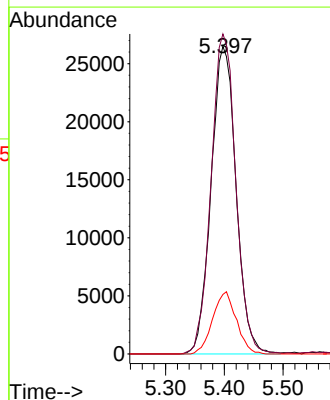
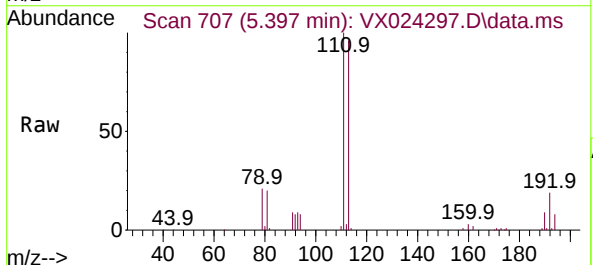
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

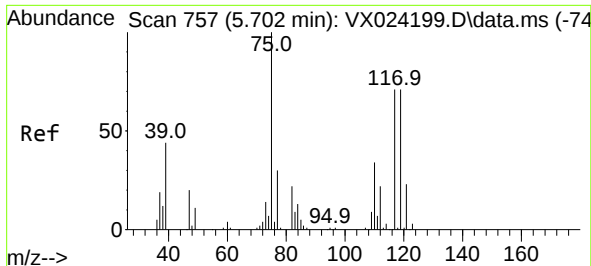
Tgt Ion:114 Resp: 235443
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.439 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion:113 Resp: 78064
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.2 16.7 25.1

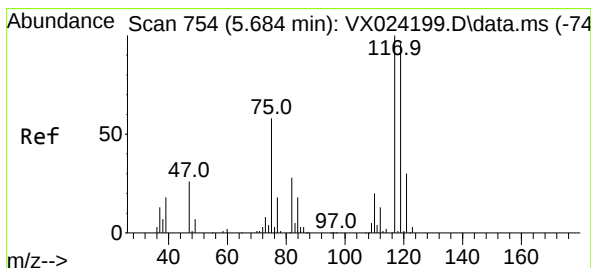
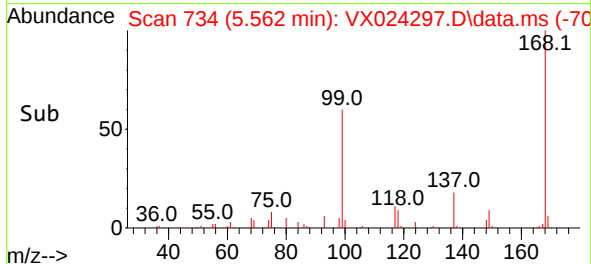
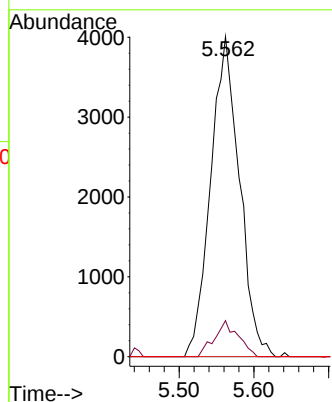
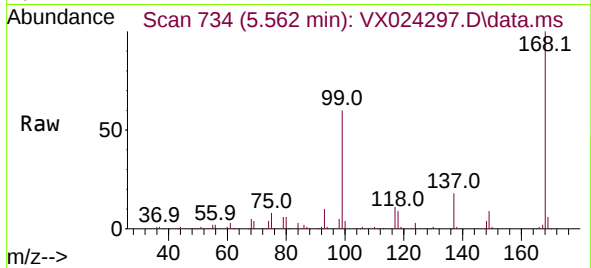




#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

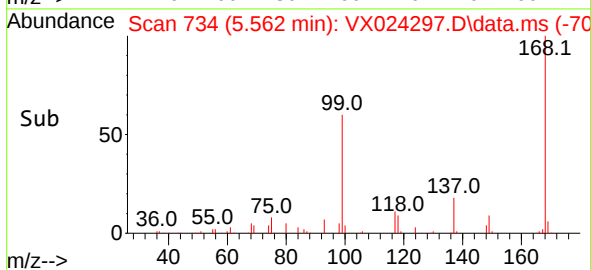
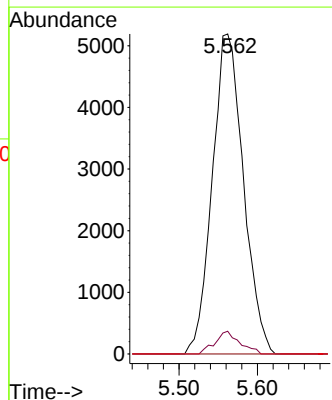
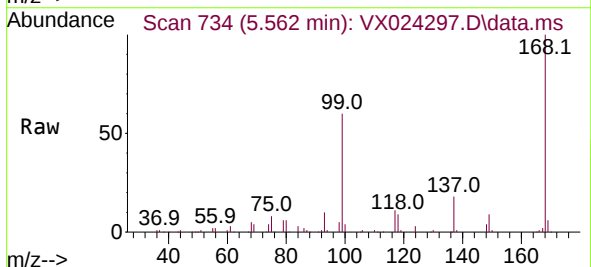
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

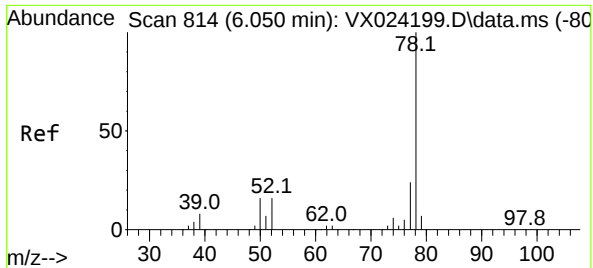
Tgt Ion: 75 Resp: 10746
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.884 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 117 Resp: 14335
Ion Ratio Lower Upper
117 100
119 7.1 76.2 114.2#
121 0.0 24.8 37.2#

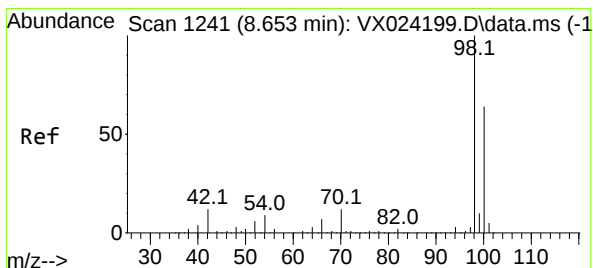
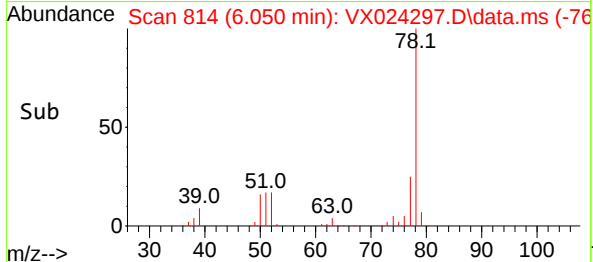
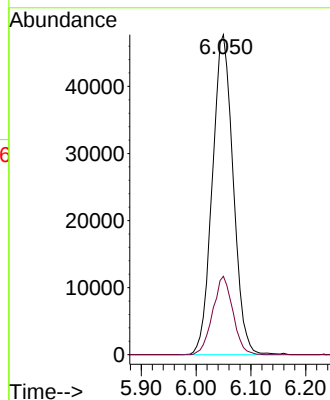
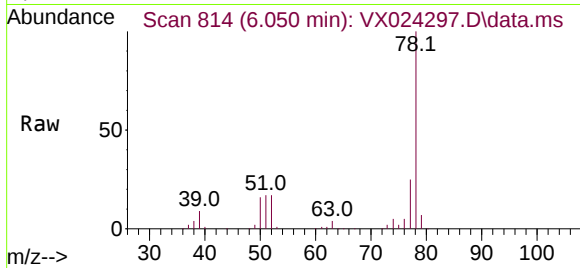




#40
Benzene
Concen: 20.286 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

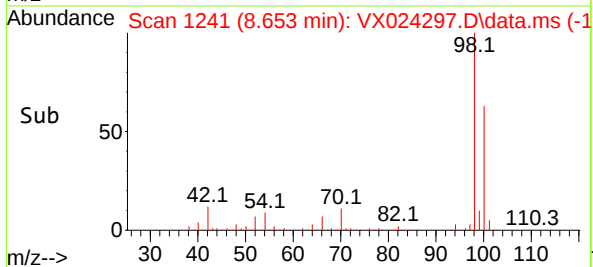
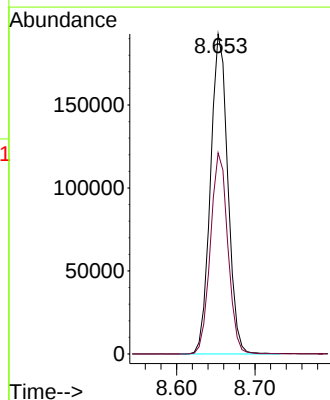
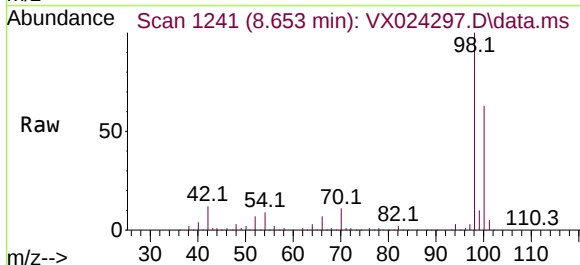
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

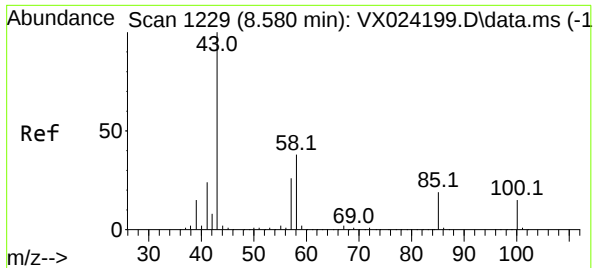
Tgt Ion: 78 Resp: 125943
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3



#50
Toluene-d8
Concen: 51.386 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 98 Resp: 295581
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

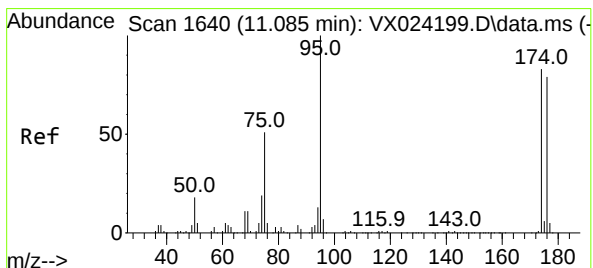
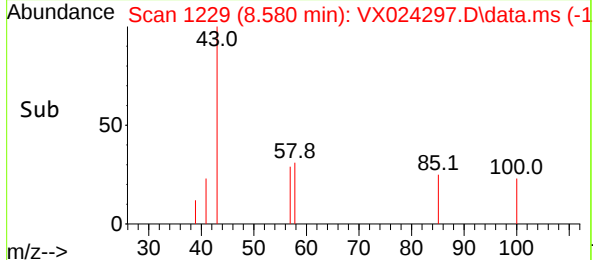
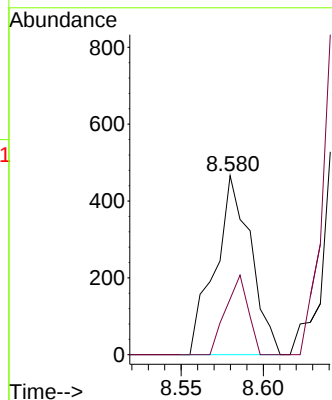
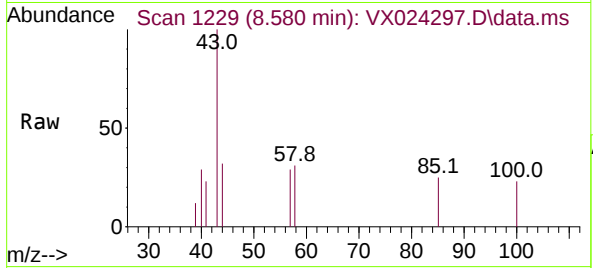




#51
4-Methyl-2-Pentanone
Concen: 0.275 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

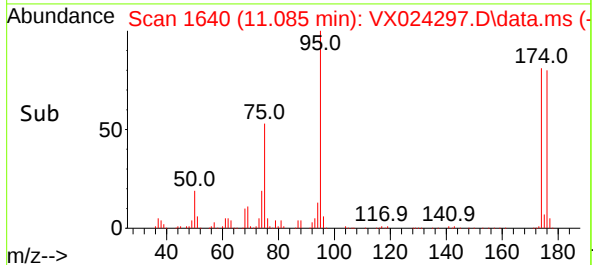
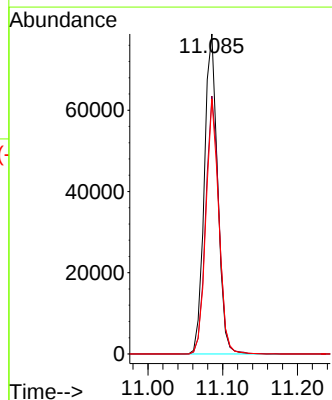
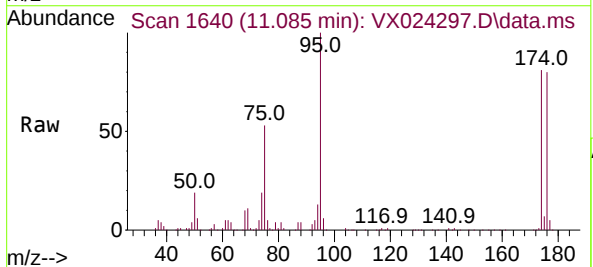
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

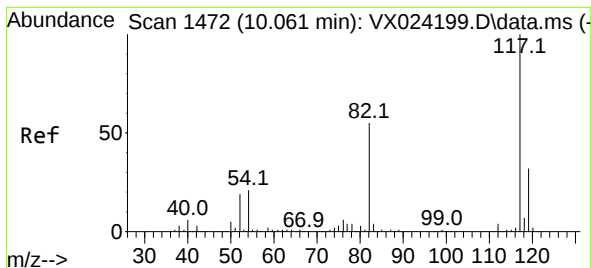
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 27.7 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 43.557 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion: 95 Resp: 97505
Ion Ratio Lower Upper
95 100
174 79.8 0.0 154.6
176 77.1 0.0 155.8

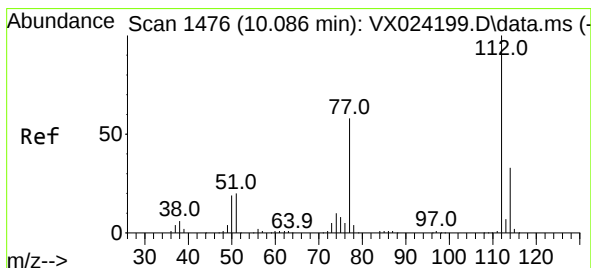
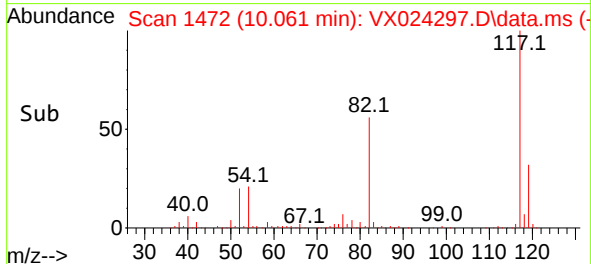
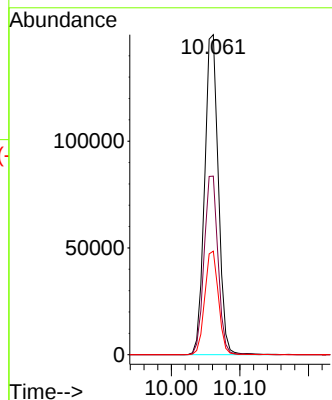
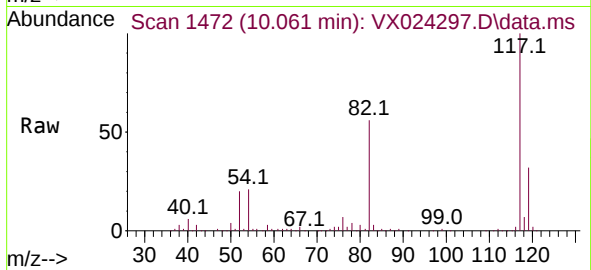




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

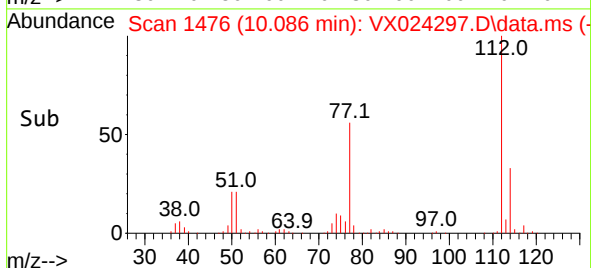
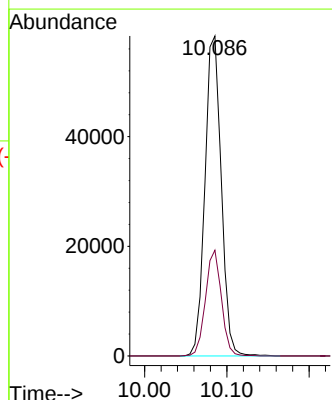
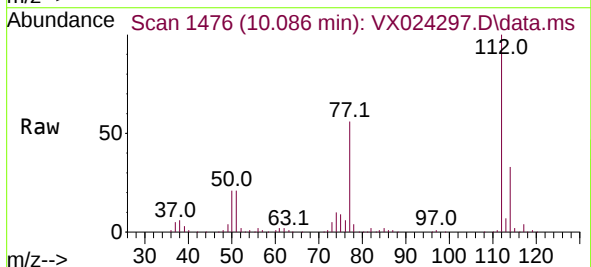
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

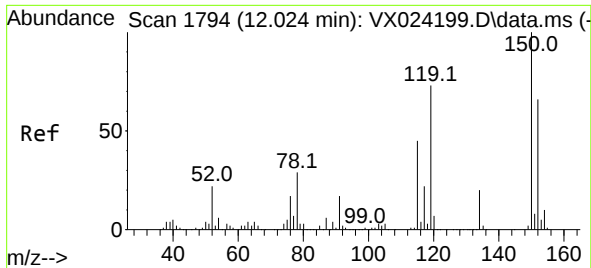
Tgt Ion:117 Resp: 209344
Ion Ratio Lower Upper
117 100
82 55.8 47.4 71.2
119 32.4 26.6 39.8



#65
Chlorobenzene
Concen: 18.712 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion:112 Resp: 80592
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.6

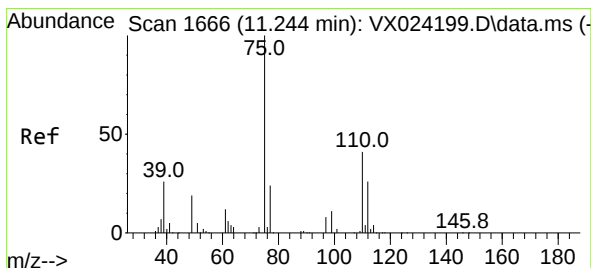
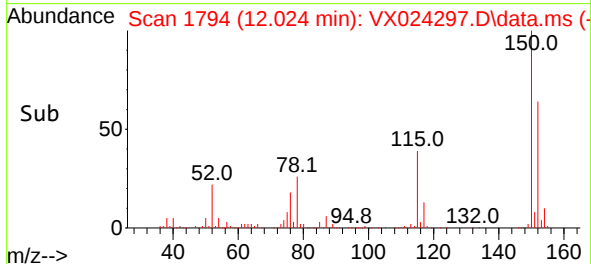
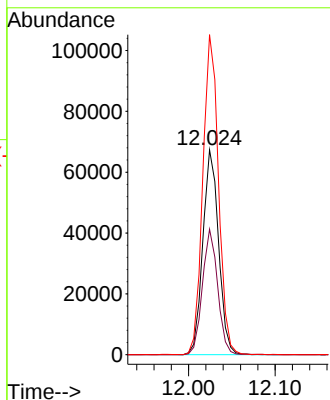
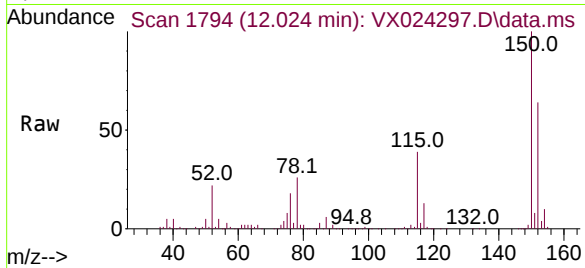




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024297.D
 Acq: 16 Sep 2021 18:50

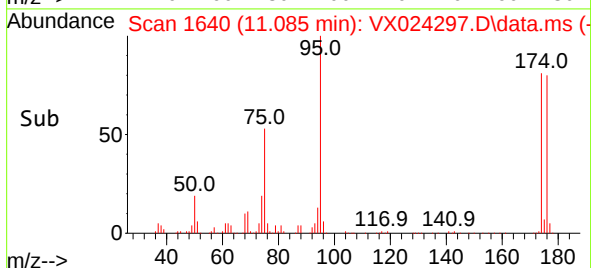
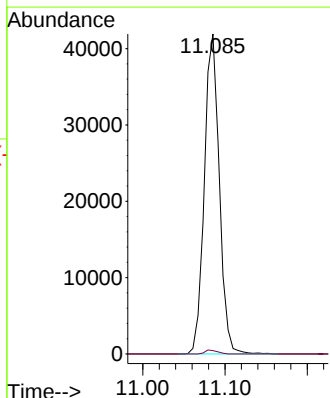
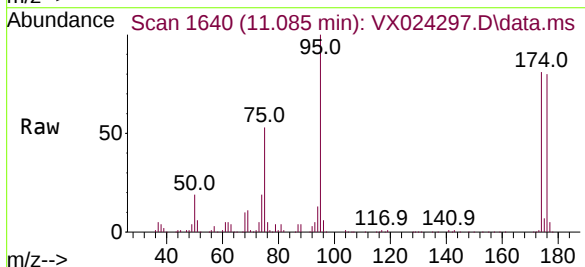
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-03-(1.0)

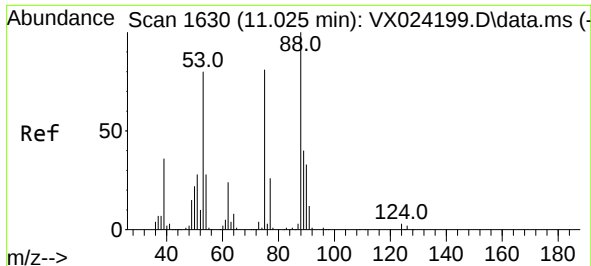
Tgt Ion:152 Resp: 84919
 Ion Ratio Lower Upper
 152 100
 115 59.2 41.1 123.3
 150 155.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.158 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024297.D
 Acq: 16 Sep 2021 18:50

Tgt Ion: 75 Resp: 53029
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

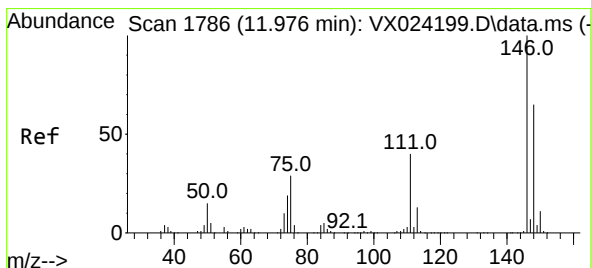
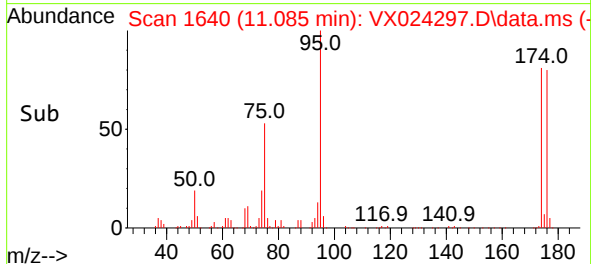
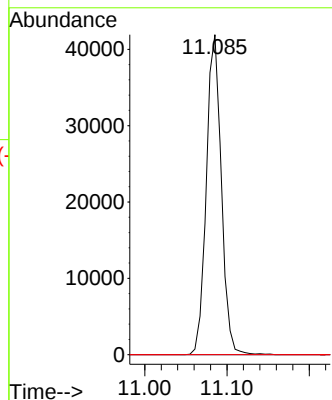
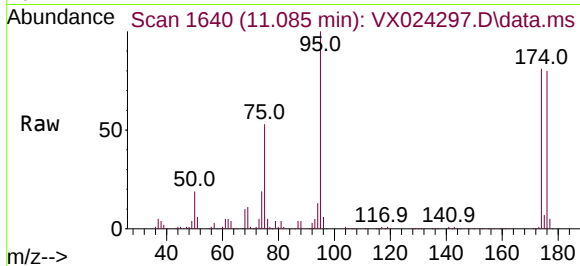




#81
trans-1,4-Dichloro-2-butene
Concen: 79.871 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

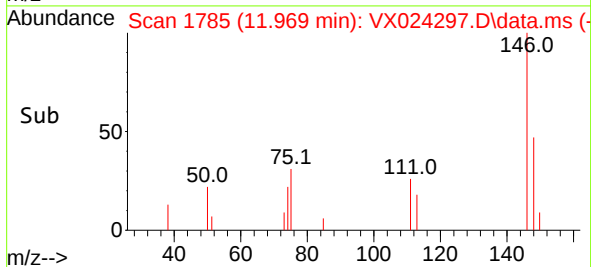
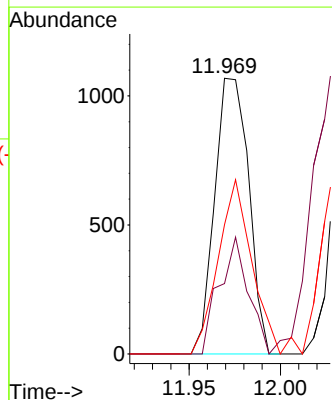
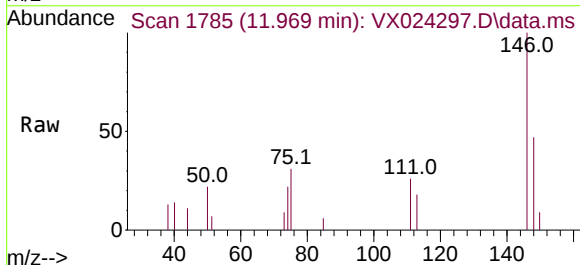
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

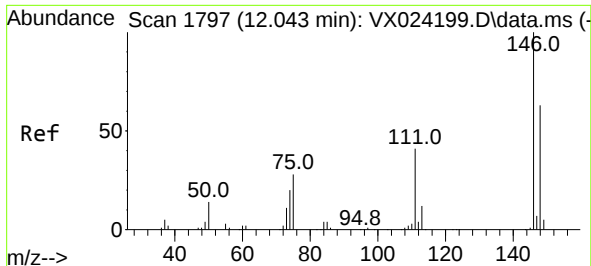
Tgt Ion: 75 Resp: 53029
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.486 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.007 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

Tgt Ion:146 Resp: 1384
Ion Ratio Lower Upper
146 100
111 36.4 20.2 60.5
148 62.2 31.9 95.7

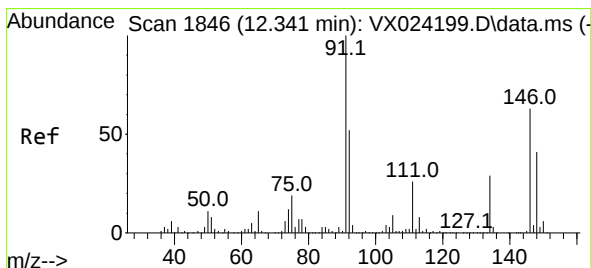
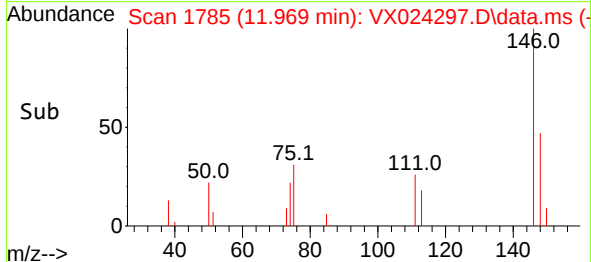
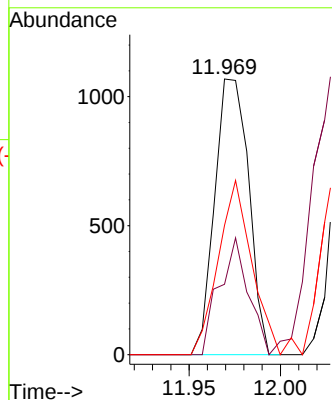
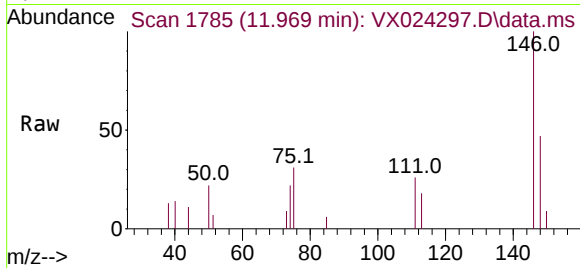




#88
1,4-Dichlorobenzene
Concen: 0.476 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.074 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

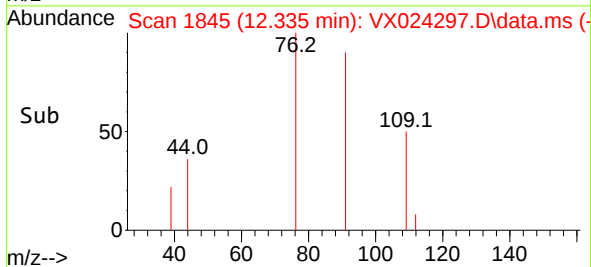
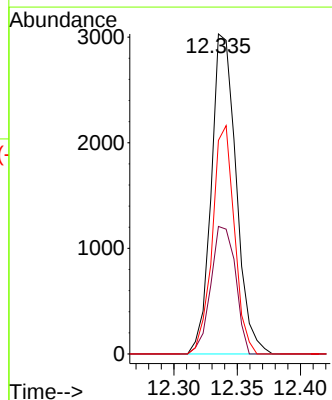
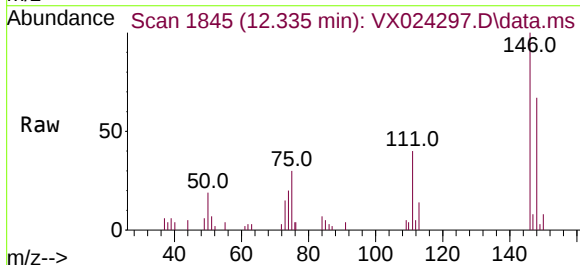
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

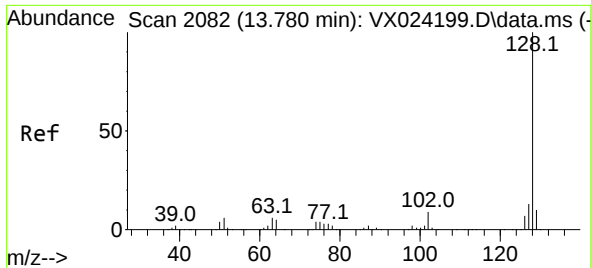
Tgt Ion:146 Resp: 1384
Ion Ratio Lower Upper
146 100
111 36.4 19.6 58.8
148 62.2 31.6 95.0



#91
1,2-Dichlorobenzene
Concen: 1.483 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX024297.D
Acq: 16 Sep 2021 18:50

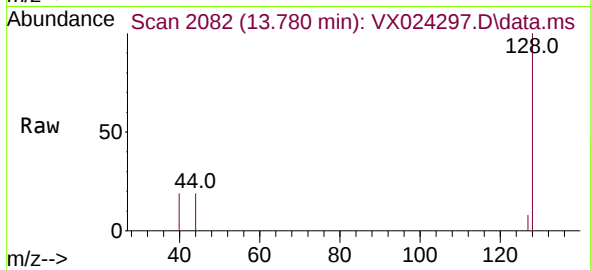
Tgt Ion:146 Resp: 4141
Ion Ratio Lower Upper
146 100
111 39.5 20.8 62.2
148 63.1 31.9 95.5





#95
 Naphthalene
 Concen: 1.412 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX024297.D
 Acq: 16 Sep 2021 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-03-(1.0)



Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.3	15.5#
129	0.0	8.8	13.2#

