

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024233.D
 Acq On : 15 Sep 2021 02:06
 Operator : JC/MD
 Sample : M3722-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WALLS

Quant Time: Sep 15 07:30:58 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

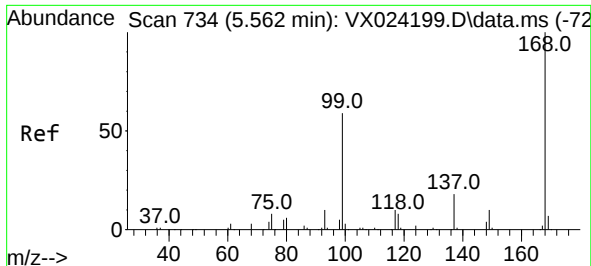
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	133690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99391	52.136	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.280%	
35) Dibromofluoromethane	5.397	113	76787	50.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.240%	
50) Toluene-d8	8.653	98	287968	51.592	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	11.085	95	105620	48.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	511	0.643	ug/l #	57
6) Chloroethane	1.672	64	112	2.101	ug/l #	43
11) Tert butyl alcohol	2.971	59	1438	Below Cal	#	83
16) Acetone	2.386	43	31001	38.138	ug/l #	86
18) Methyl Acetate	2.721	43	1169	0.459	ug/l #	73
20) Methylene Chloride	2.794	84	9091	5.824	ug/l	92
25) 2-Butanone	4.574	43	5726	4.783	ug/l	98
29) Tetrahydrofuran	5.044	42	1476	1.970	ug/l #	70
31) Cyclohexane	5.556	56	2947	1.322	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	10473	4.986	ug/l #	48
37) Ethyl Acetate	4.733	43	583	0.238	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14116	5.971	ug/l #	16
41) Methacrylonitrile	5.038	41	777	0.595	ug/l #	33
43) Isopropyl Acetate	6.355	43	18562	4.764	ug/l	93
48) Methyl methacrylate	7.604	41	6203	3.191	ug/l #	10
51) 4-Methyl-2-Pentanone	8.555	43	72534	29.216	ug/l #	45
52) Toluene	8.726	92	1113	0.282	ug/l	96
54) cis-1,3-Dichloropropene	8.555	75	28401	11.182	ug/l #	68
56) Ethyl methacrylate	9.244	69	263	1.454	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	12049	4.400	ug/l #	43
59) 2-Hexanone	9.378	43	10378	5.365	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	58641	26.137	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58641	76.869	ug/l #	12
95) Naphthalene	13.780	128	3566	1.785	ug/l #	95

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

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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

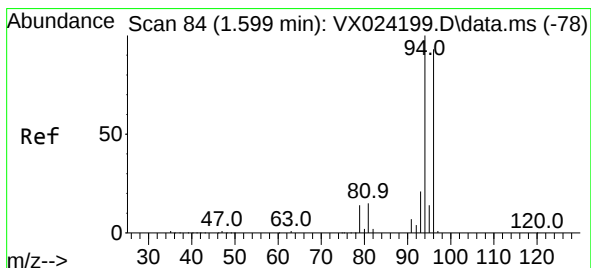
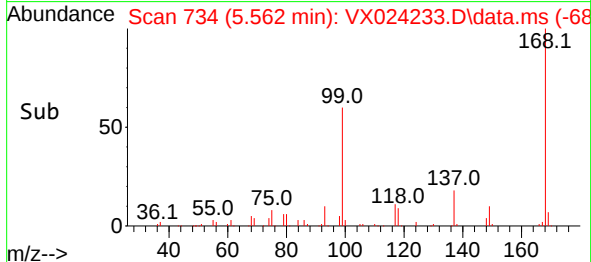
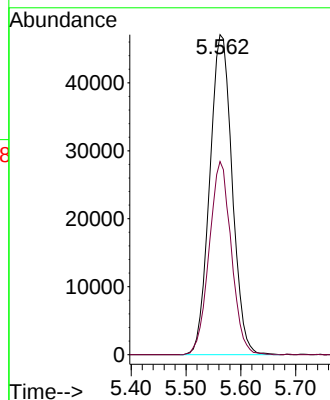
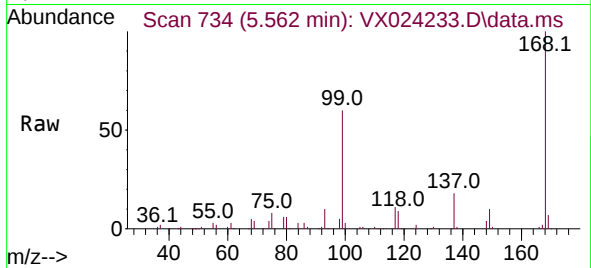




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

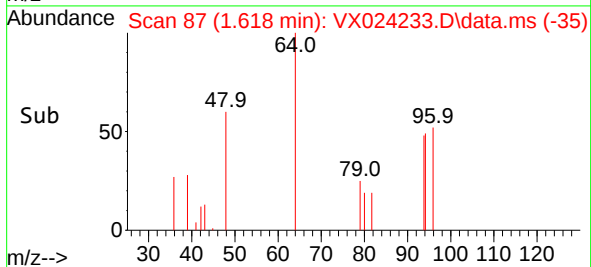
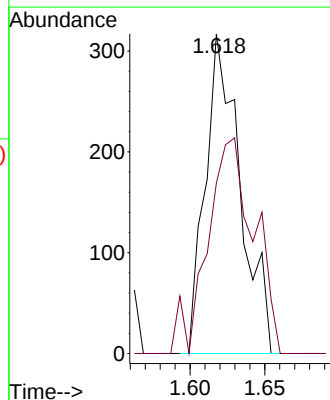
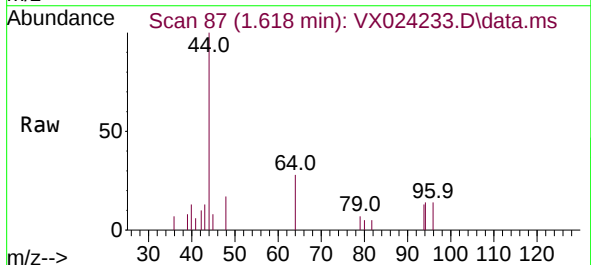
Instrument :
MSVOA_X
ClientSampled :
WALLS

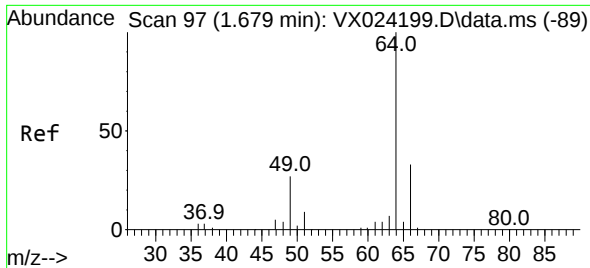
Tgt Ion:168 Resp: 133690
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#5
Bromomethane
Concen: 0.643 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 53.3 76.4 114.6#

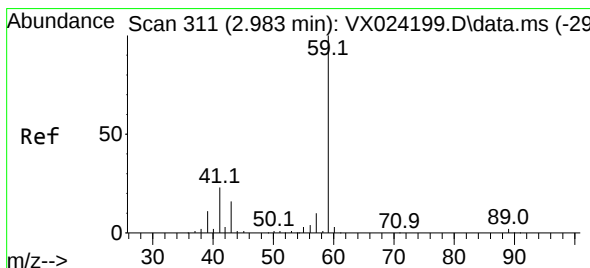
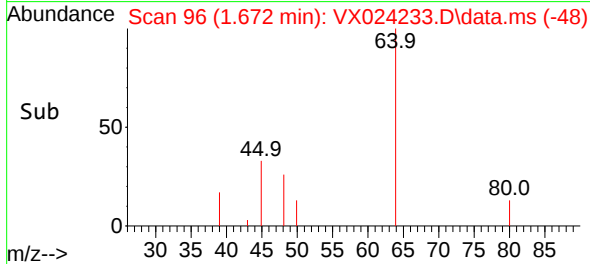
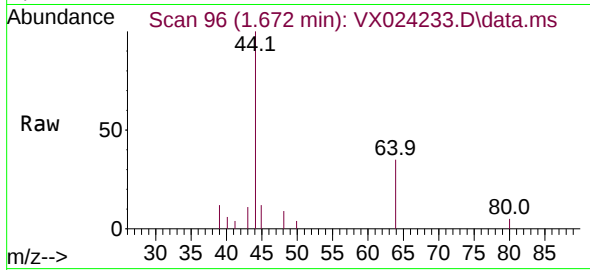




#6
Chloroethane
Concen: 2.101 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

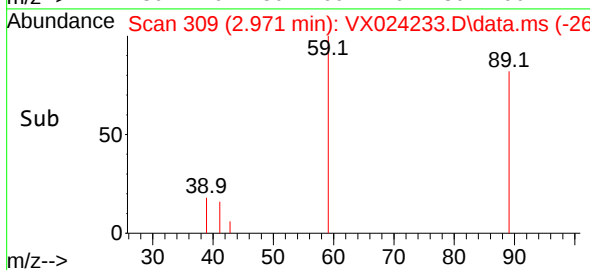
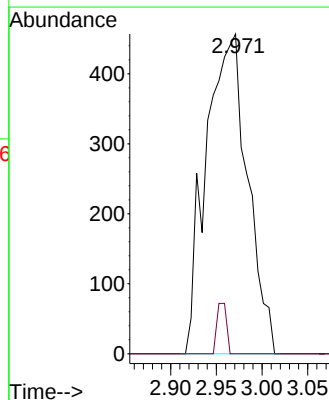
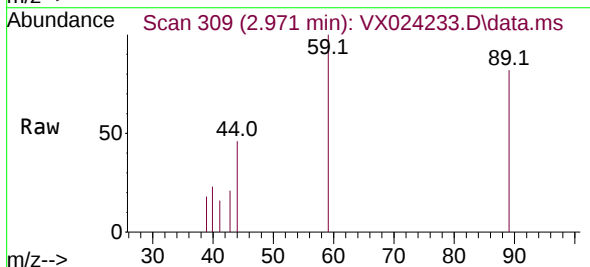
Instrument :
MSVOA_X
ClientSampleId :
WALLS

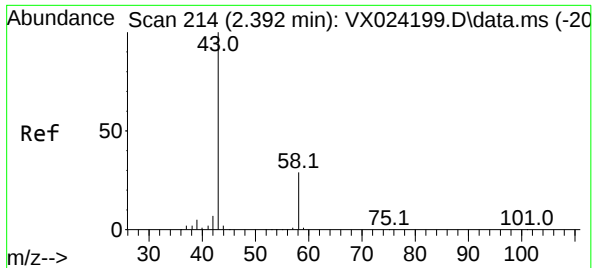
Tgt Ion: 64 Resp: 112
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 59 Resp: 1438
Ion Ratio Lower Upper
59 100
57 3.7 7.8 11.8#

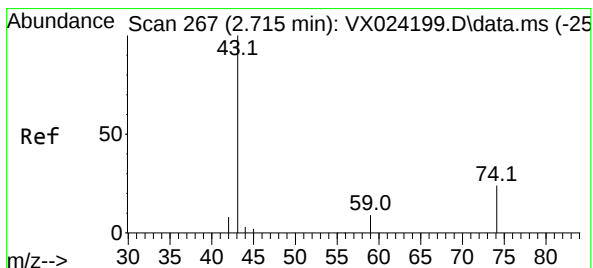
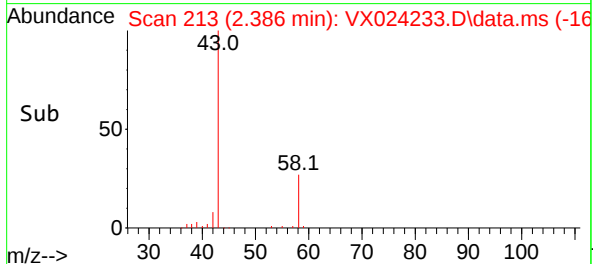
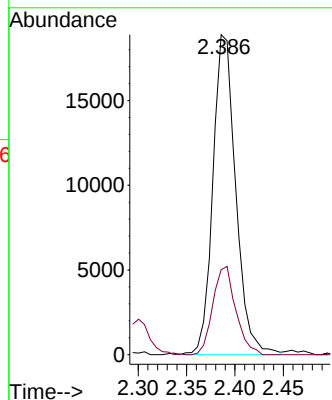
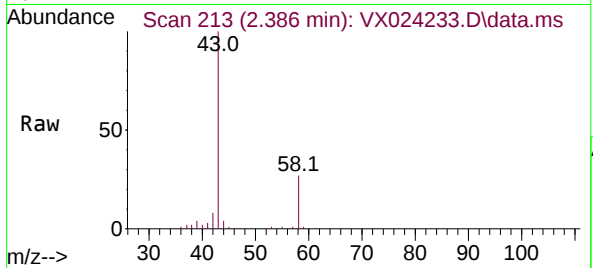




#16
Acetone
Concen: 38.138 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

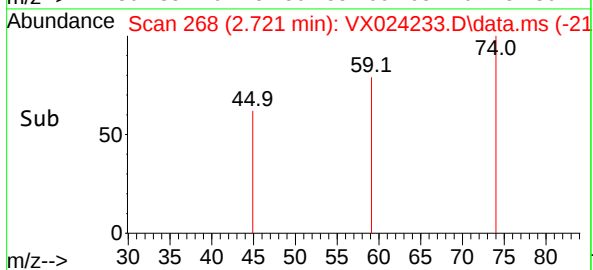
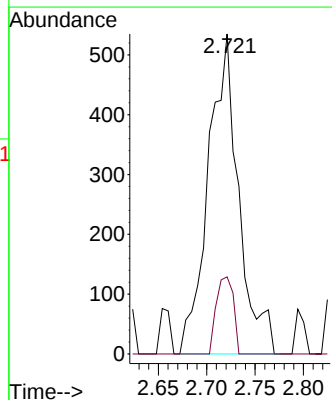
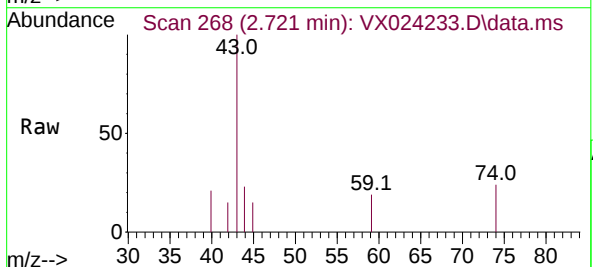
Instrument :
MSVOA_X
ClientSampleId :
WALLS

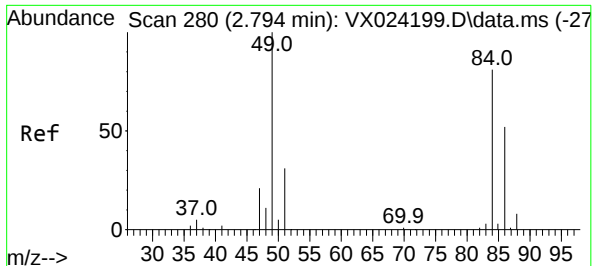
Tgt Ion: 43 Resp: 31001
Ion Ratio Lower Upper
43 100
58 26.6 27.8 41.8#



#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
74 13.5 21.9 32.9#





#20

Methylene Chloride

Concen: 5.824 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024233.D

Acq: 15 Sep 2021 02:06

Tgt Ion: 84 Resp: 9091

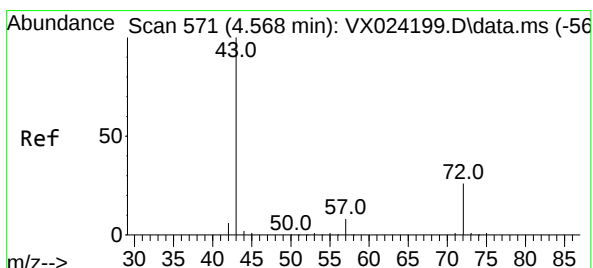
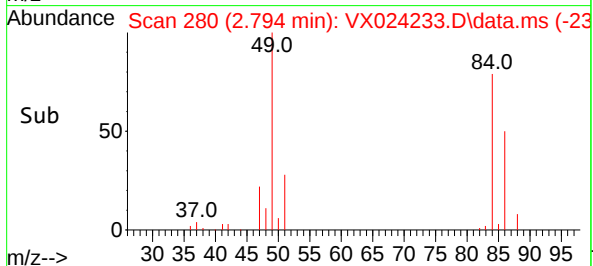
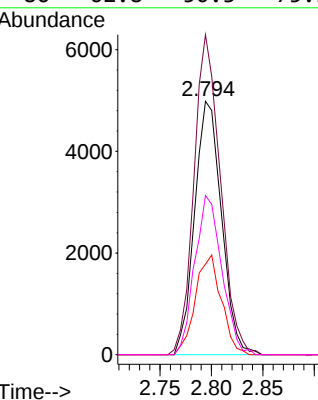
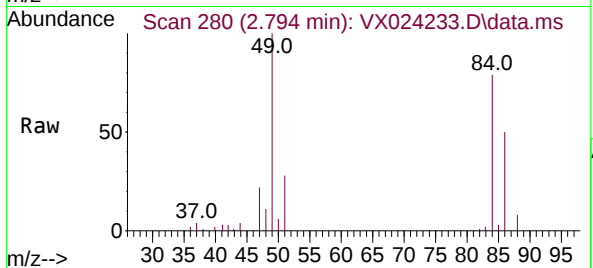
Ion Ratio Lower Upper

84 100

49 126.2 88.6 132.8

51 35.7 27.0 40.6

86 62.8 50.3 75.5



#25

2-Butanone

Concen: 4.783 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024233.D

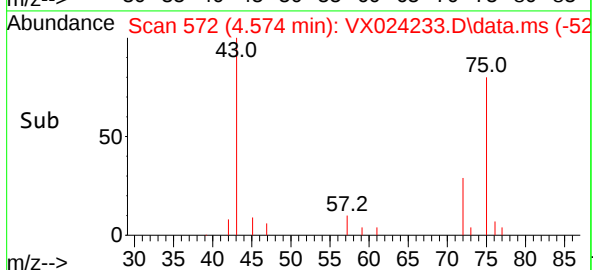
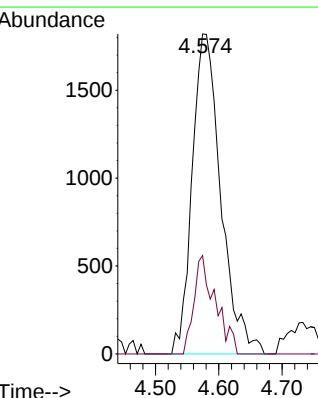
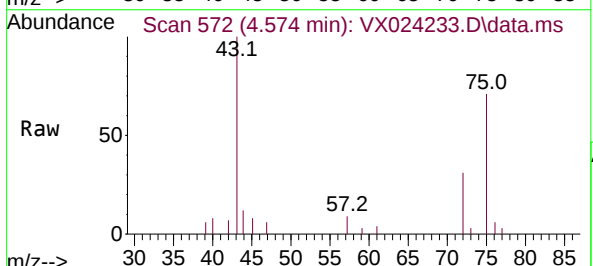
Acq: 15 Sep 2021 02:06

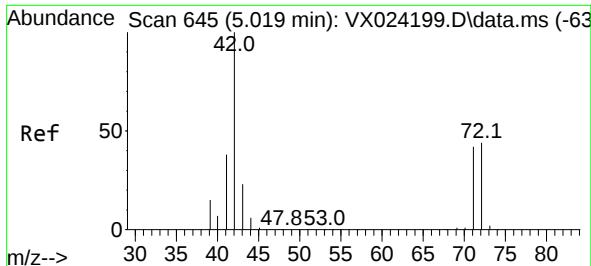
Tgt Ion: 43 Resp: 5726

Ion Ratio Lower Upper

43 100

72 30.7 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.970 ug/l

RT: 5.044 min Scan# 649

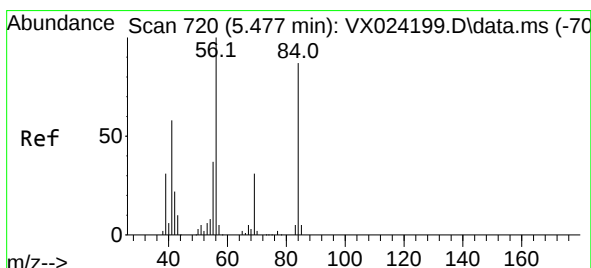
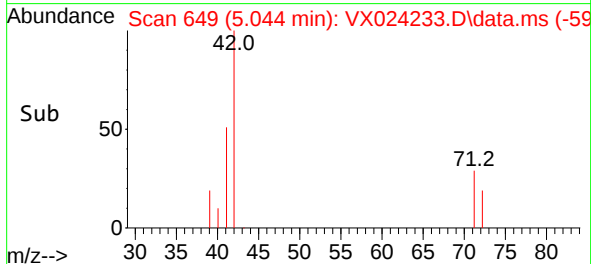
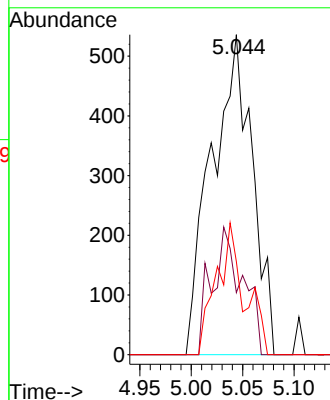
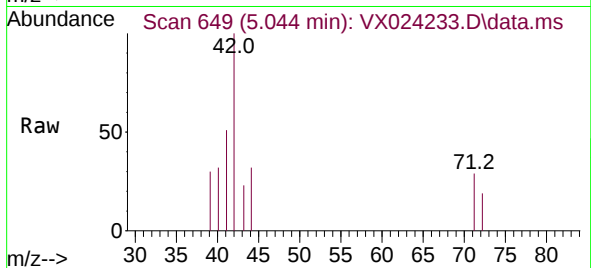
Delta R.T. 0.025 min

Lab File: VX024233.D

Acq: 15 Sep 2021 02:06

Instrument :
MSVOA_X
ClientSampled :
WALLS

Tgt Ion:	42	Resp:	1476
Ion	Ratio	Lower	Upper
42	100		
72	30.2	41.7	62.5#
71	28.5	38.4	57.6#



#31

Cyclohexane

Concen: 1.322 ug/l

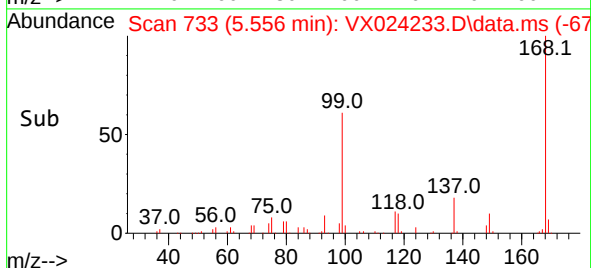
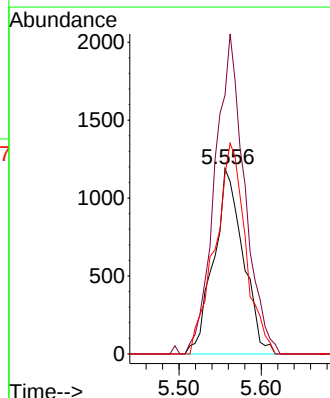
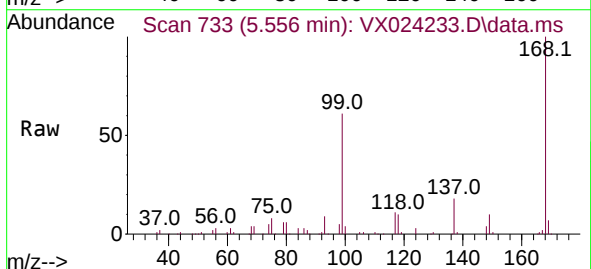
RT: 5.556 min Scan# 733

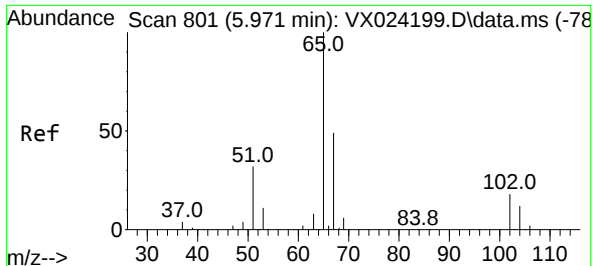
Delta R.T. 0.079 min

Lab File: VX024233.D

Acq: 15 Sep 2021 02:06

Tgt Ion:	56	Resp:	2947
Ion	Ratio	Lower	Upper
56	100		
69	139.5	25.3	37.9#
84	96.9	71.4	107.0

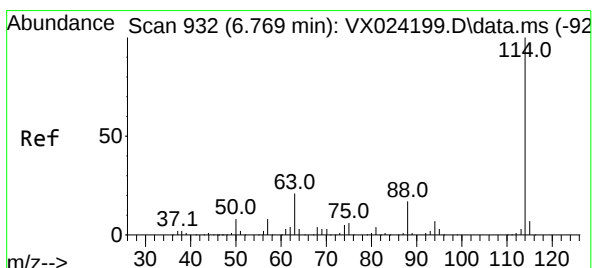
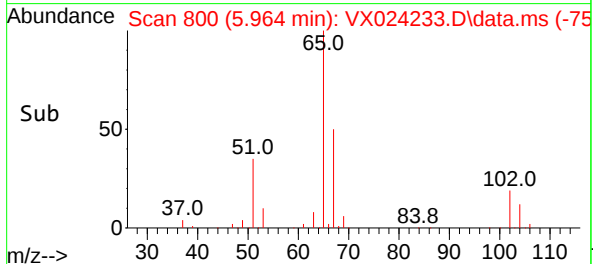
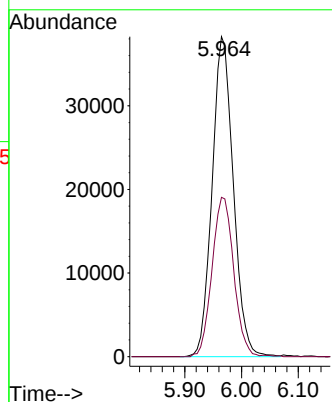
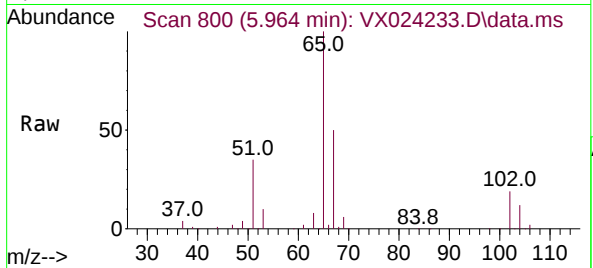




#33
1,2-Dichloroethane-d4
Concen: 52.136 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

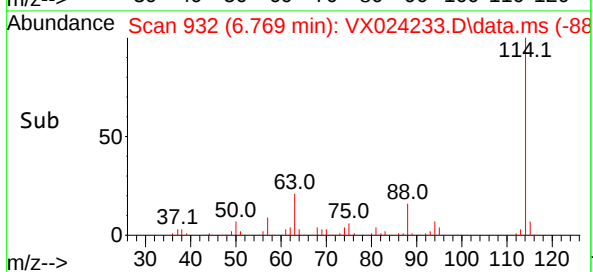
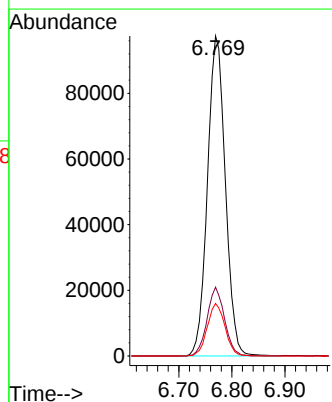
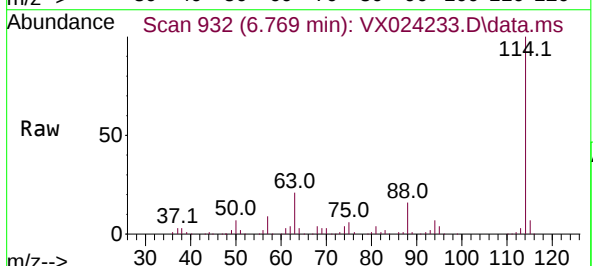
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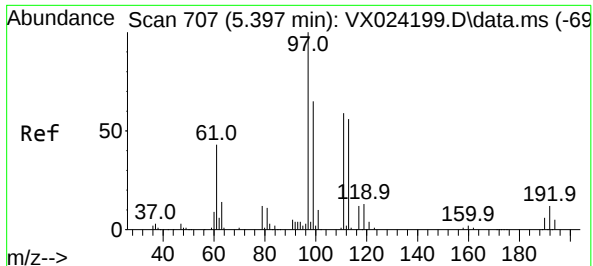
Tgt Ion: 65 Resp: 99391
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 114 Resp: 228462
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.4 0.0 32.8

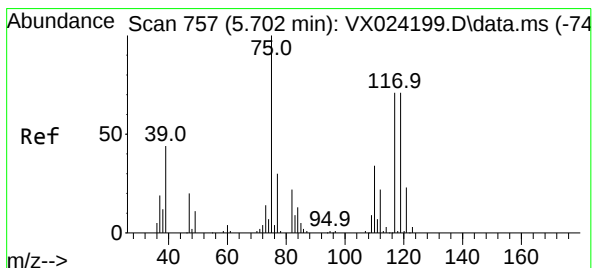
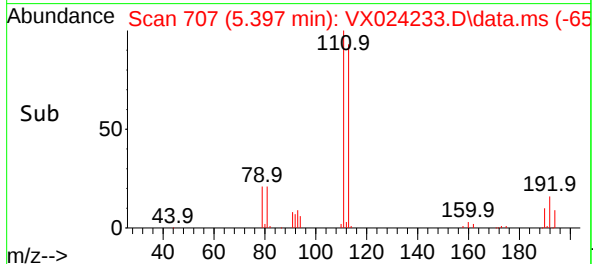
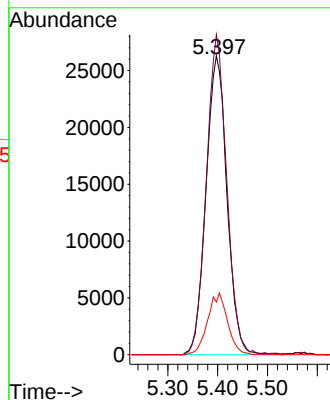
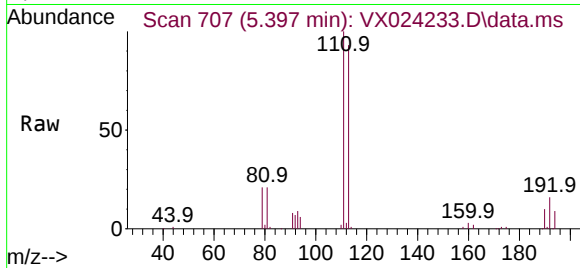




#35
Dibromofluoromethane
Concen: 50.117 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

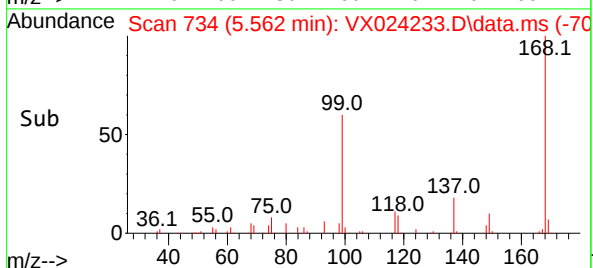
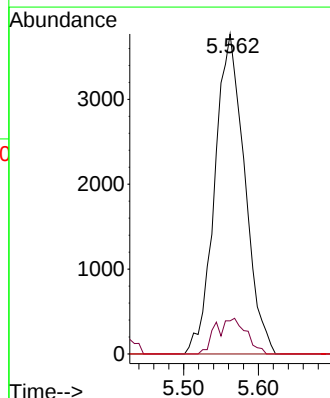
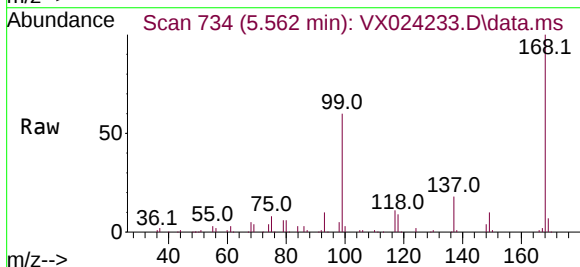
Instrument :
MSVOA_X
ClientSampled :
WALLS

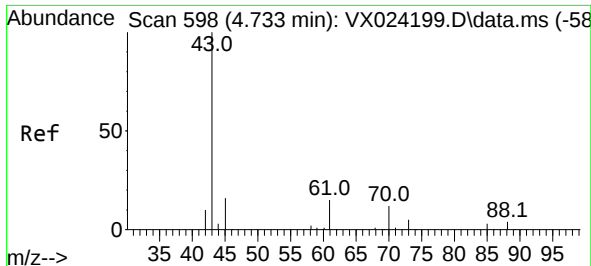
Tgt Ion:	113	Resp:	76787
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	19.6	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.986 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion:	75	Resp:	10473
Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 0.238 ug/l

RT: 4.733 min Scan# 598

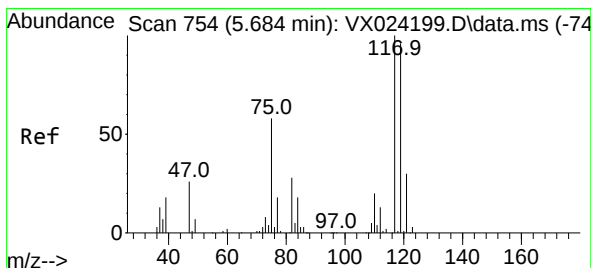
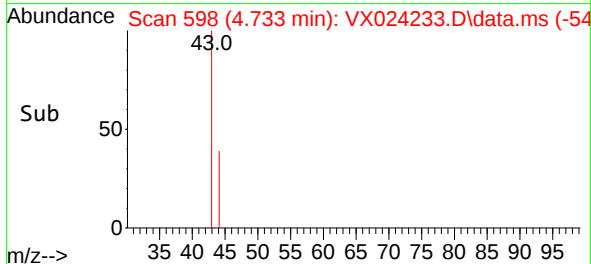
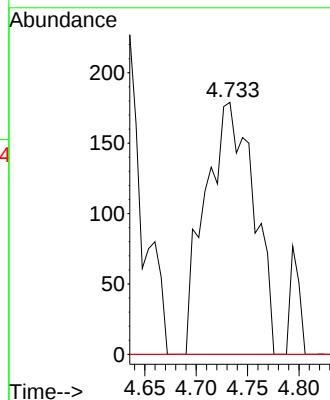
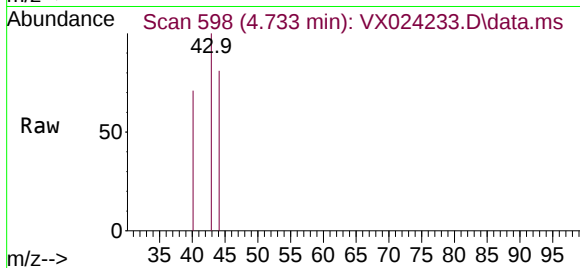
Delta R.T. -0.000 min

Lab File: VX024233.D

Acq: 15 Sep 2021 02:06

Instrument :
MSVOA_X
ClientSampled :
WALLS

Tgt Ion:	43	Resp:	583
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.971 ug/l

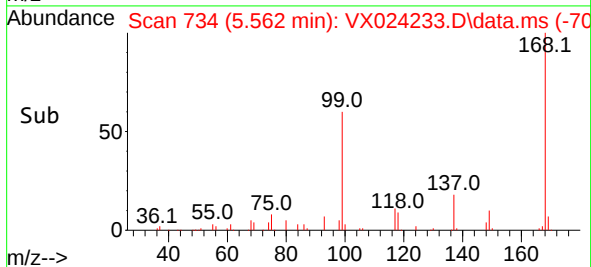
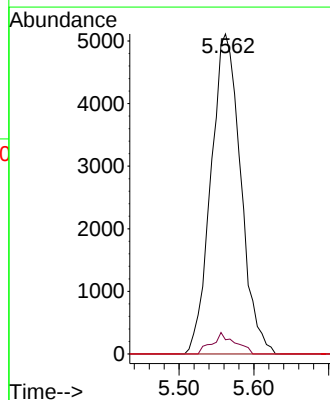
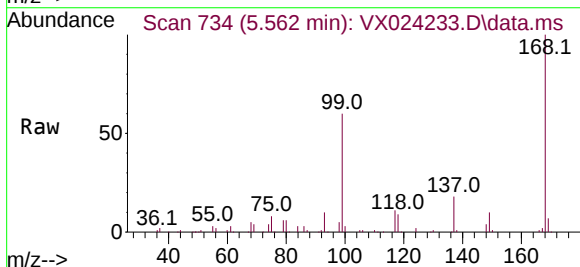
RT: 5.562 min Scan# 734

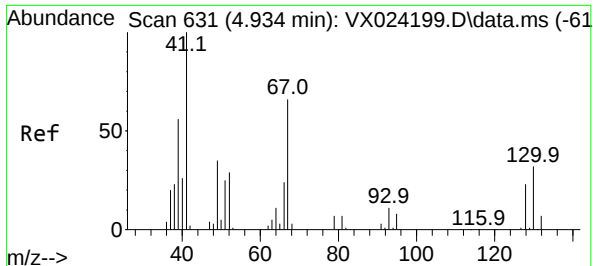
Delta R.T. -0.122 min

Lab File: VX024233.D

Acq: 15 Sep 2021 02:06

Tgt Ion:	117	Resp:	14116
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	24.8	37.2#



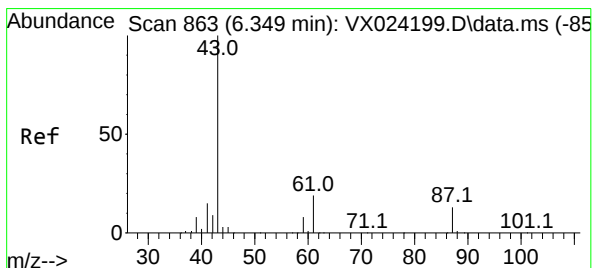
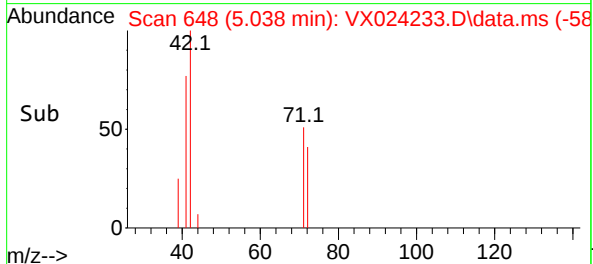
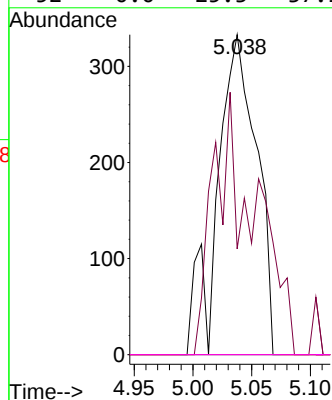
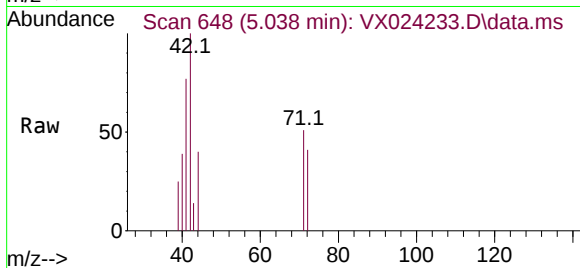


#41
Methacrylonitrile
Concen: 0.595 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.104 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Instrument :
MSVOA_X
ClientSampled :
WALLS

Tgt Ion: 41 Resp: 777

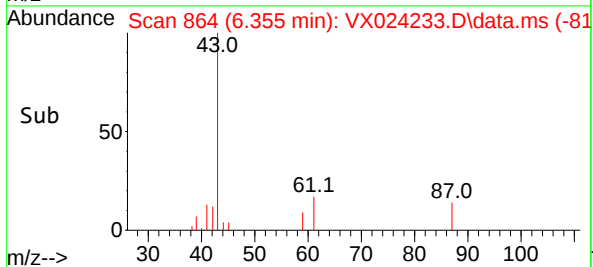
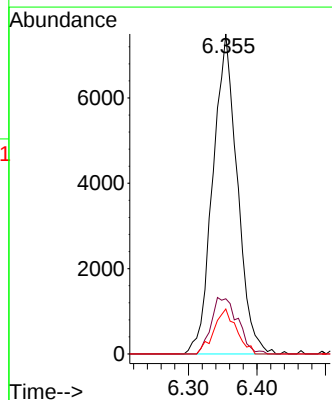
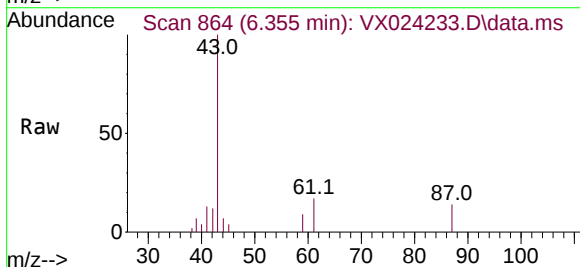
Ion	Ratio	Lower	Upper
41	100		
39	27.5	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

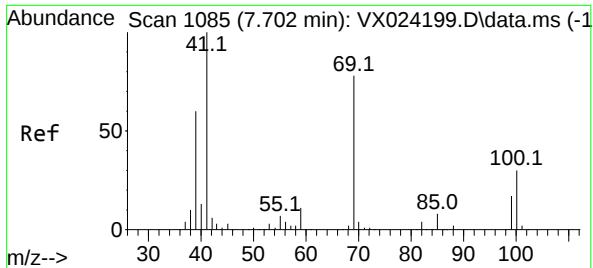


#43
Isopropyl Acetate
Concen: 4.764 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 43 Resp: 18562

Ion	Ratio	Lower	Upper
43	100		
61	19.2	18.2	27.4
87	13.0	12.5	18.7

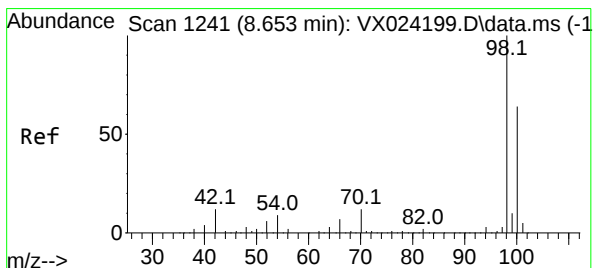
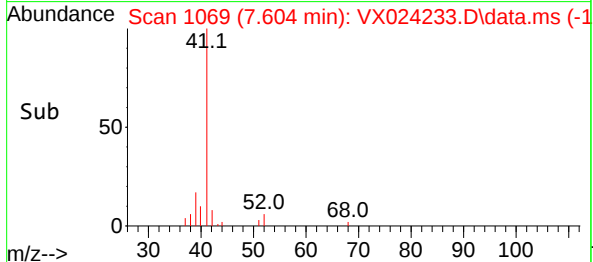
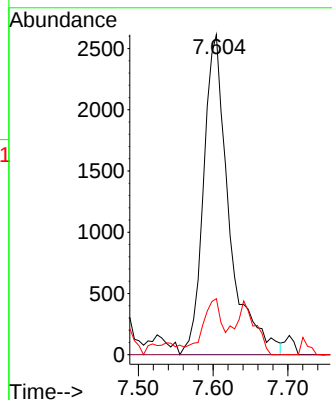
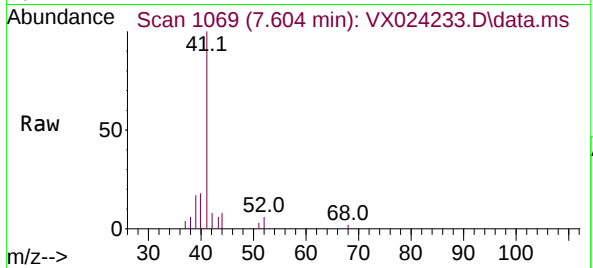




#48
Methyl methacrylate
Concen: 3.191 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

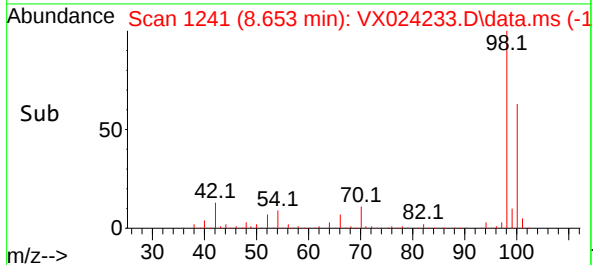
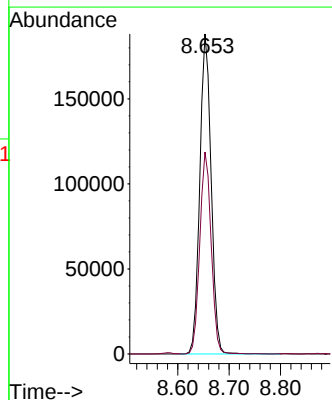
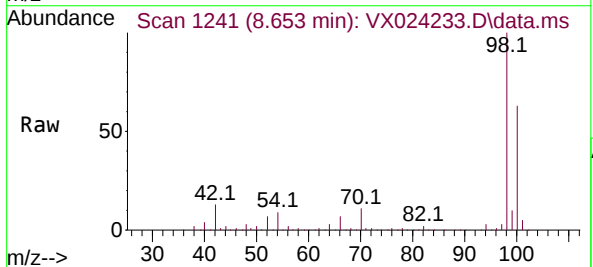
Instrument :
MSVOA_X
ClientSampled :
WALLS

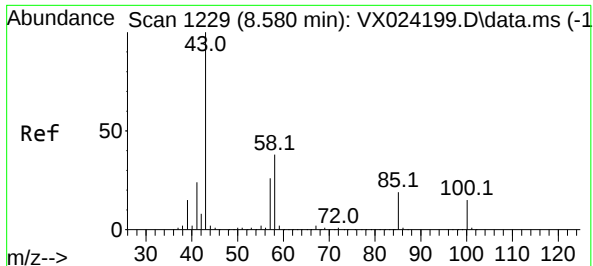
Tgt Ion: 41 Resp: 6203
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 51.592 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 98 Resp: 287968
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

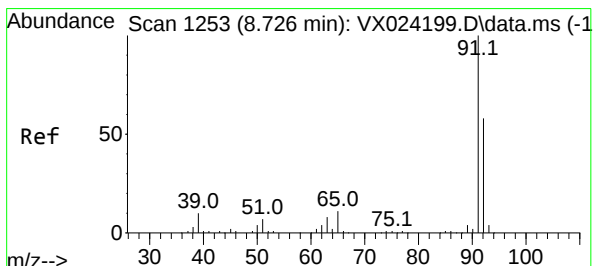
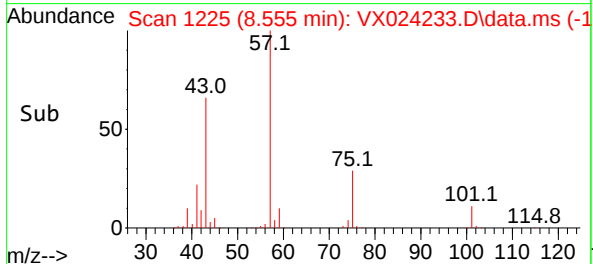
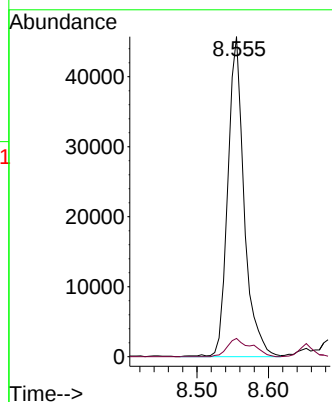
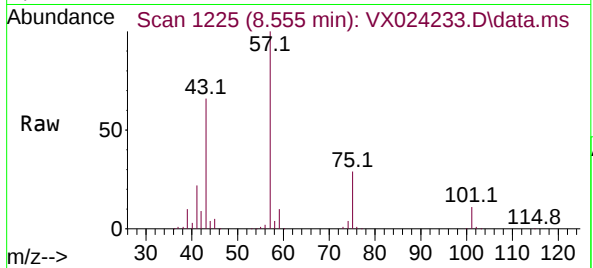




#51
4-Methyl-2-Pentanone
Concen: 29.216 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

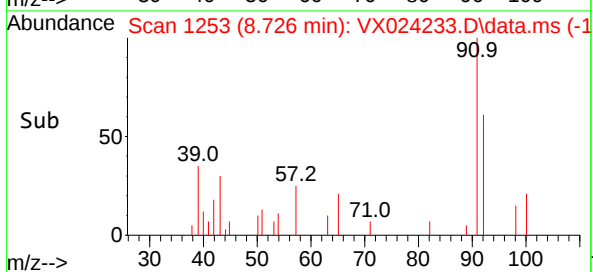
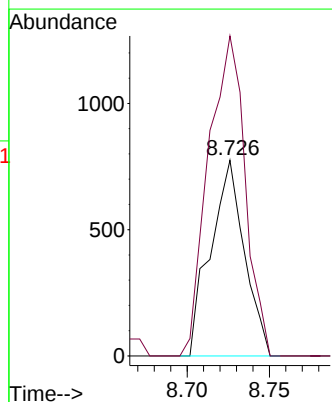
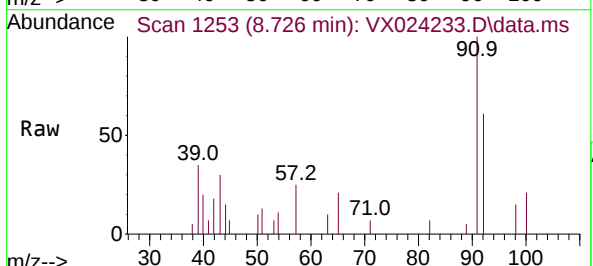
Instrument :
MSVOA_X
ClientSampled :
WALLS

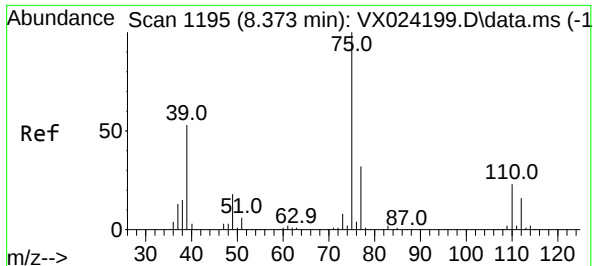
Tgt Ion: 43 Resp: 72534
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#52
Toluene
Concen: 0.282 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 92 Resp: 1113
Ion Ratio Lower Upper
92 100
91 176.7 137.1 205.7

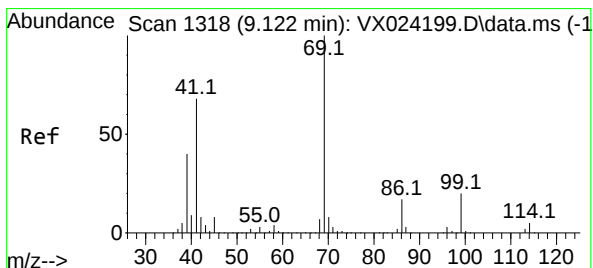
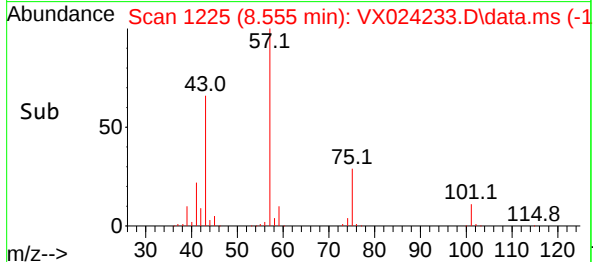
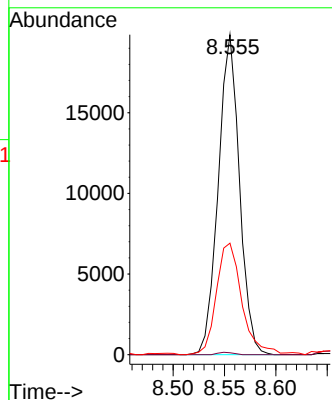
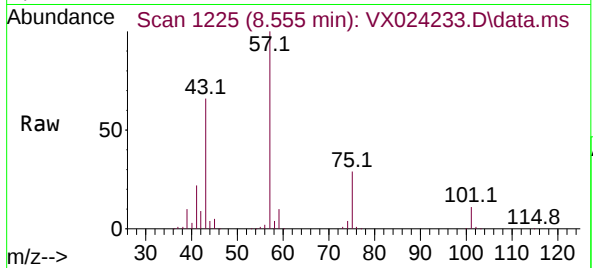




#54
cis-1,3-Dichloropropene
Concen: 11.182 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

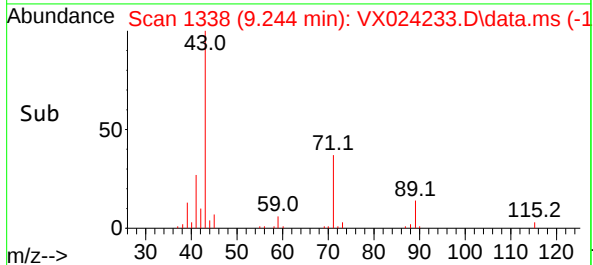
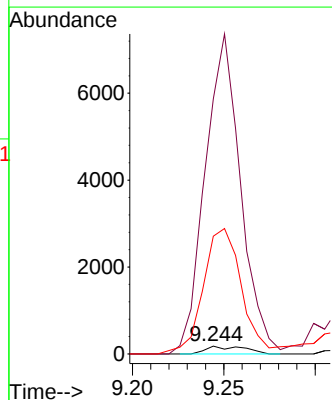
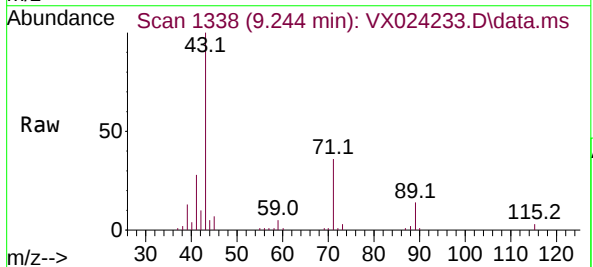
Instrument :
MSVOA_X
ClientSampled :
WALLS

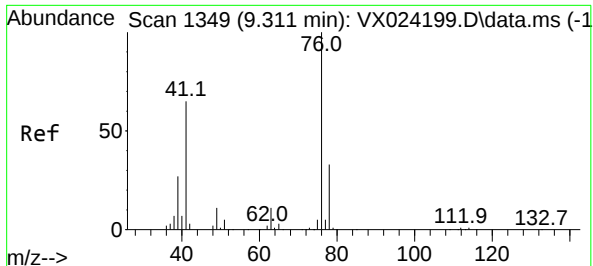
Tgt Ion: 75 Resp: 28401
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 34.8 35.1 52.7#



#56
Ethyl methacrylate
Concen: 1.454 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 69 Resp: 263
Ion Ratio Lower Upper
69 100
41 3790.5 46.8 70.2#
39 1609.1 24.7 37.1#



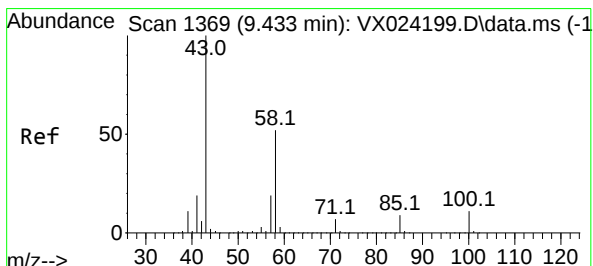
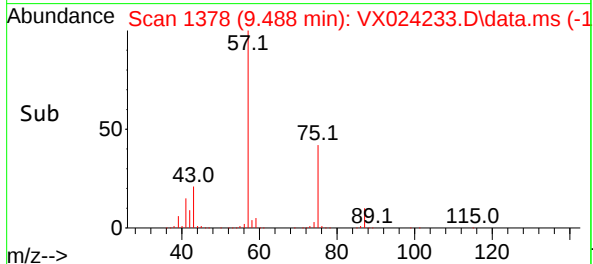
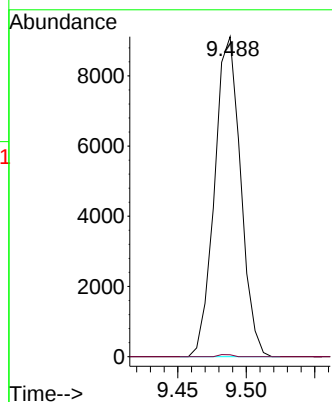
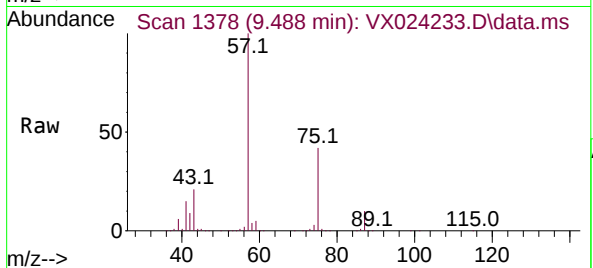


#57

1,3-Dichloropropane
Concen: 4.400 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Instrument :
MSVOA_X
ClientSampled :
WALLS

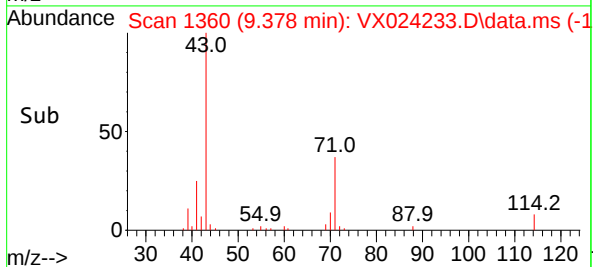
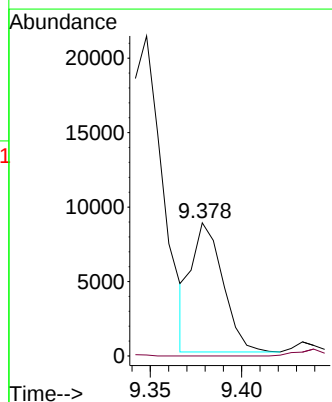
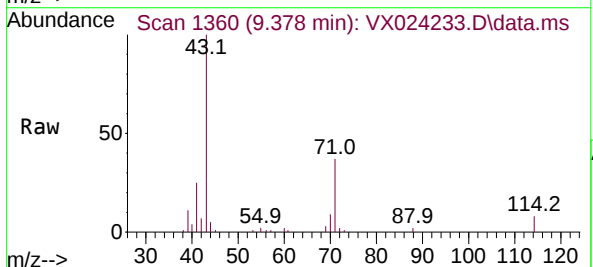
Tgt Ion: 76 Resp: 12049
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

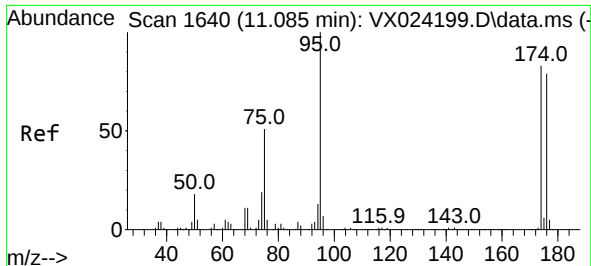


#59

2-Hexanone
Concen: 5.365 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 43 Resp: 10378
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

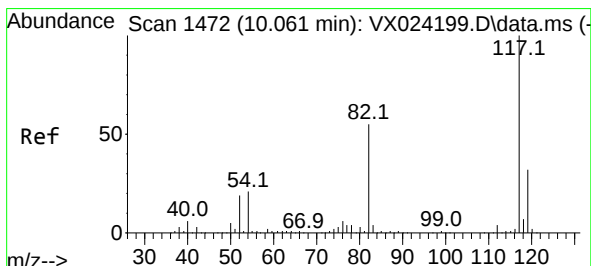
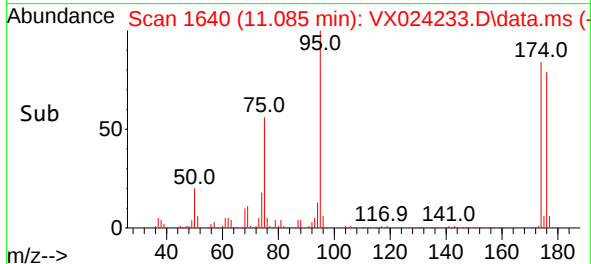
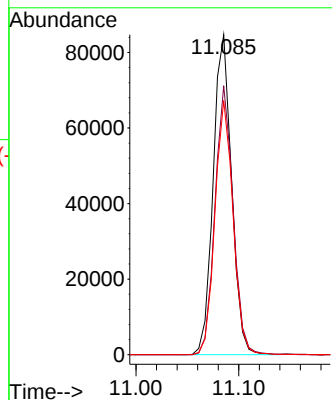
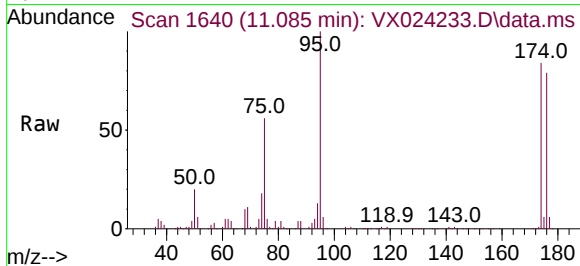




#62
4-Bromofluorobenzene
Concen: 48.624 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

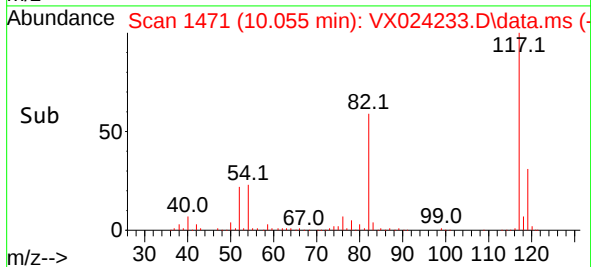
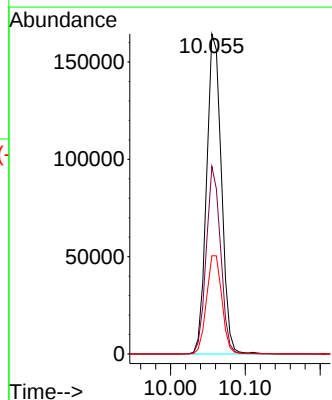
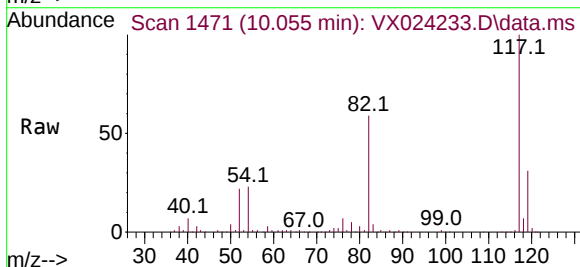
Instrument :
MSVOA_X
ClientSampled :
WALLS

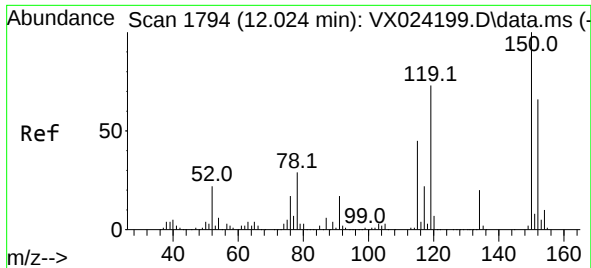
Tgt Ion: 95 Resp: 105620
Ion Ratio Lower Upper
95 100
174 82.5 0.0 154.6
176 78.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 117 Resp: 226747
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 30.7 26.6 39.8

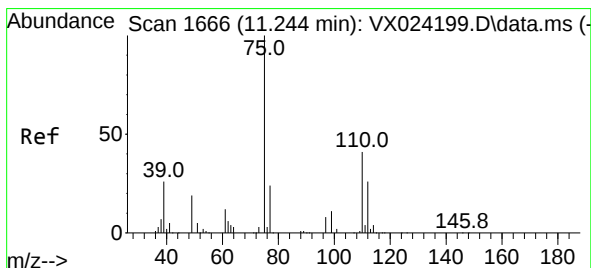
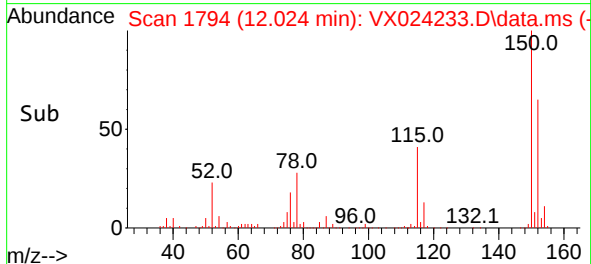
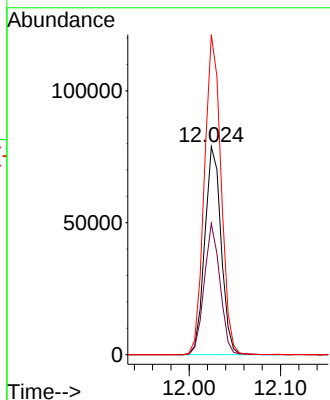
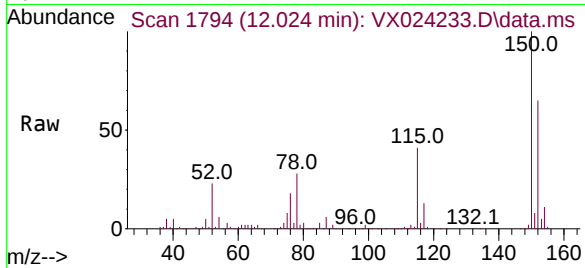




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

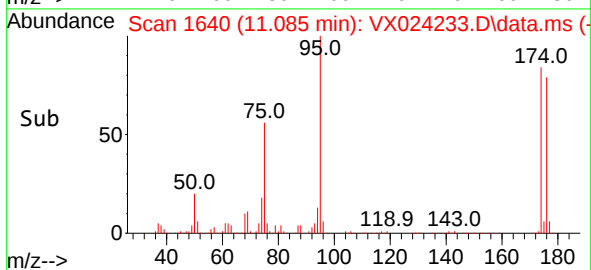
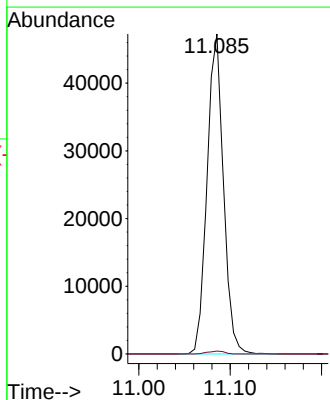
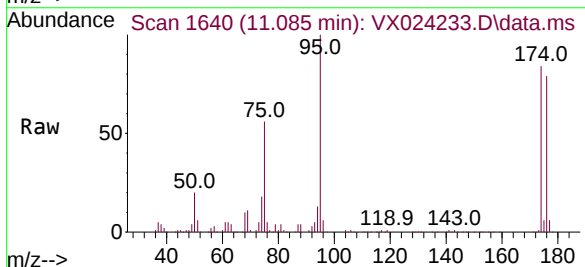
Instrument :
MSVOA_X
ClientSampled :
WALLS

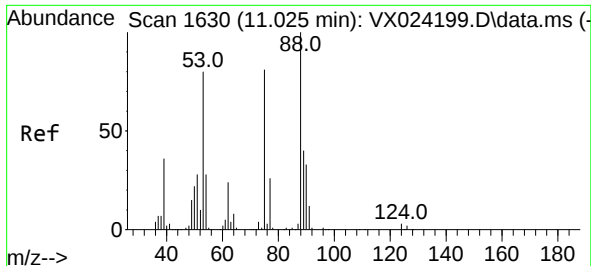
Tgt Ion:152 Resp: 97573
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 156.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.137 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion: 75 Resp: 58641
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

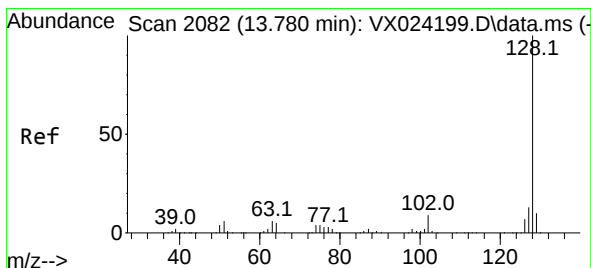
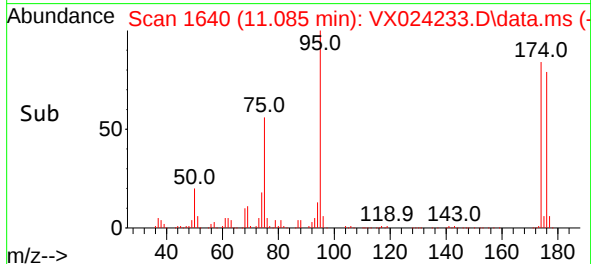
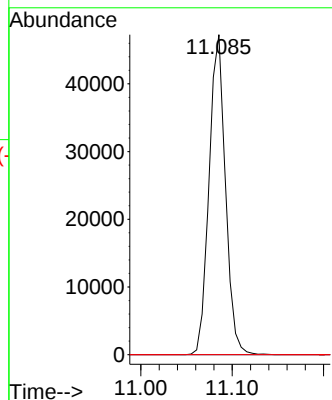
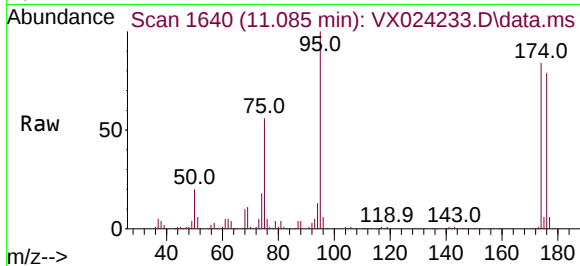




#81
trans-1,4-Dichloro-2-butene
Concen: 76.869 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Instrument :
MSVOA_X
ClientSampleId :
WALLS

Tgt Ion: 75 Resp: 58641
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.785 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024233.D
Acq: 15 Sep 2021 02:06

Tgt Ion:128 Resp: 3566
Ion Ratio Lower Upper
128 100
127 15.7 10.3 15.5#
129 12.3 8.8 13.2

