

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024530.D
 Acq On : 04 Oct 2021 19:06
 Operator : JC/MD
 Sample : M4045-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-100121

Quant Time: Oct 05 03:22:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

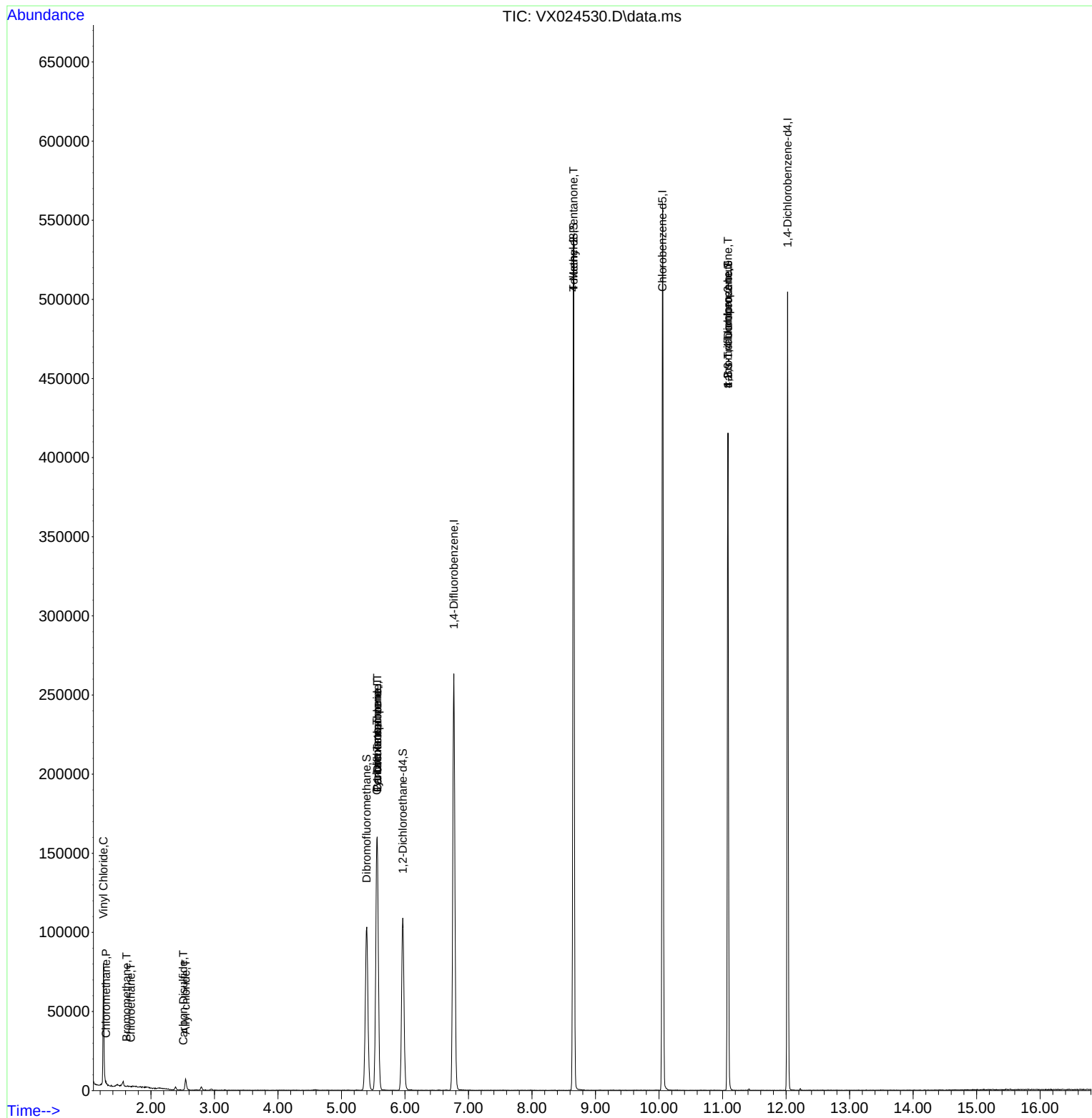
Internal Standards						
1) Pentafluorobenzene	5.562	168	150521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110062	51.882	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.760%			
35) Dibromofluoromethane	5.397	113	90476	51.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	8.653	98	311420	47.886	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.780%			
62) 4-Bromofluorobenzene	11.085	95	102971	40.270	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 80.540%#			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	429	0.300	ug/l #	57
4) Vinyl Chloride	1.252	62	426	0.285	ug/l #	1
5) Bromomethane	1.618	94	249	0.248	ug/l #	48
6) Chloroethane	1.685	64	275	0.533	ug/l #	43
11) Tert butyl alcohol	2.959	59	529	Below Cal	#	73
14) Allyl chloride	2.544	41	801	0.318	ug/l #	65
16) Acetone	2.386	43	2046	Below Cal	#	85
17) Carbon Disulfide	2.508	76	55	0.243	ug/l #	75
20) Methylene Chloride	2.794	84	832	Below Cal	#	85
31) Cyclohexane	5.556	56	3017	1.188	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	11646	4.567	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15404	5.550	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1523	0.477	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	55817	25.177	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	55817	68.642	ug/l #	12

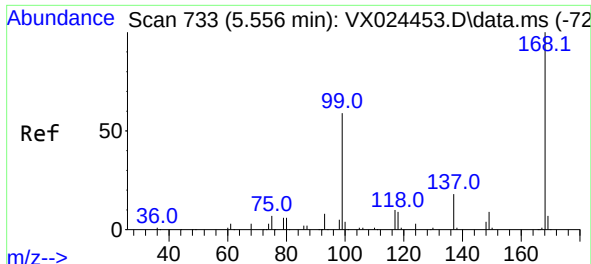
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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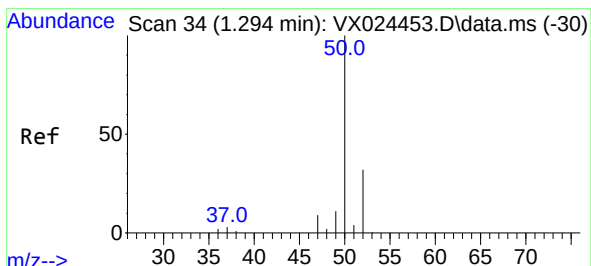
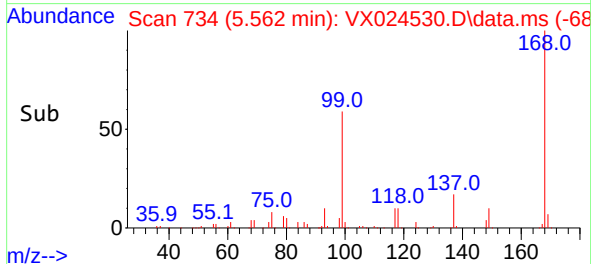
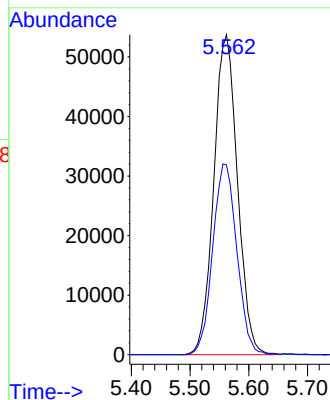
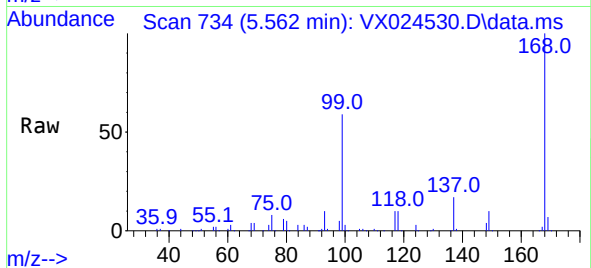




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

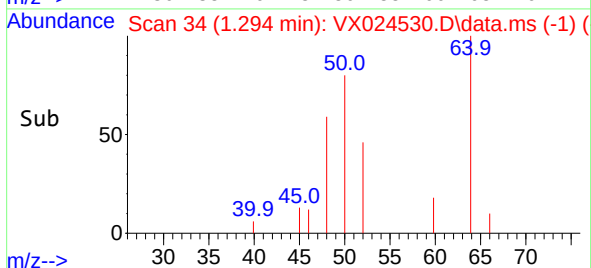
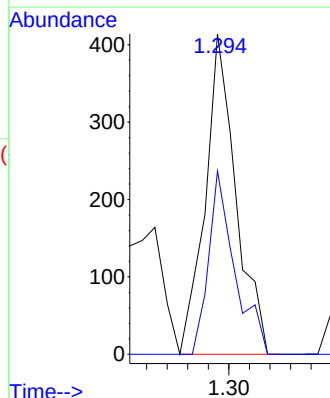
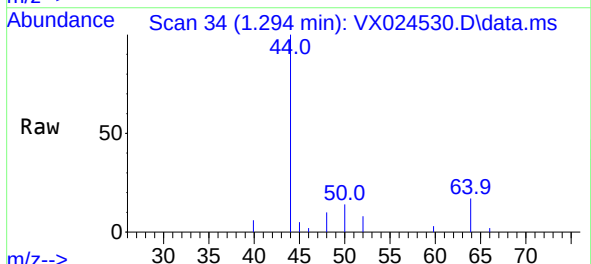
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

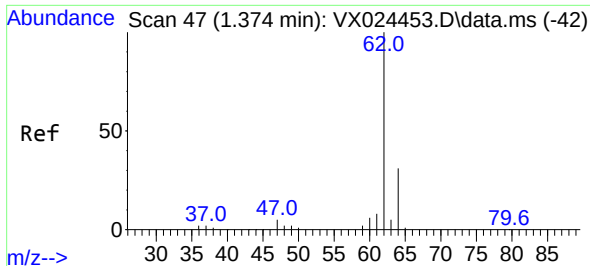
Tgt Ion:168 Resp: 150521
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 57.2 26.4 39.6#

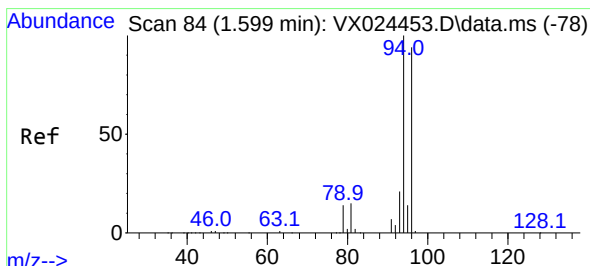
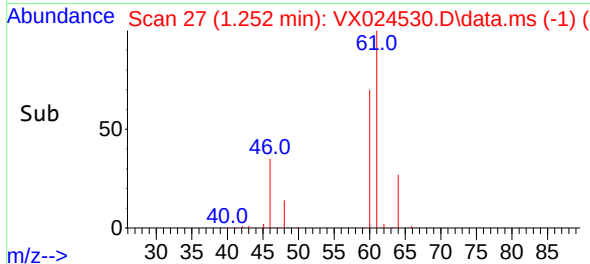
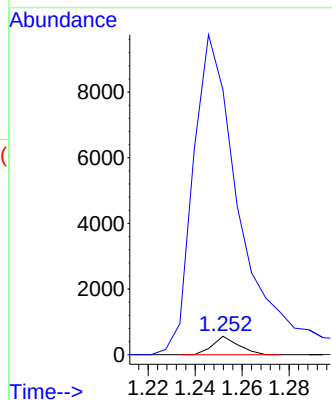
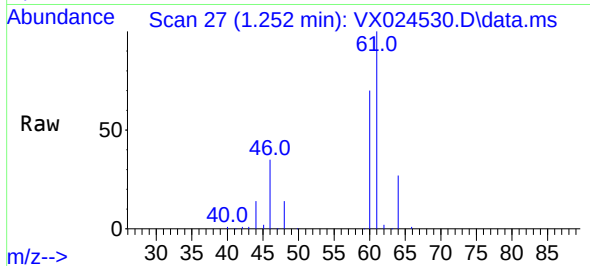




#4
 Vinyl Chloride
 Concen: 0.285 ug/l
 RT: 1.252 min Scan# 27
 Delta R.T. -0.122 min
 Lab File: VX024530.D
 Acq: 04 Oct 2021 19:06

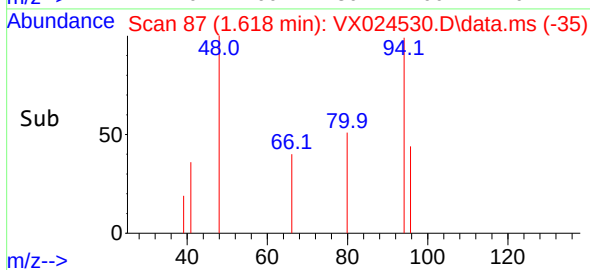
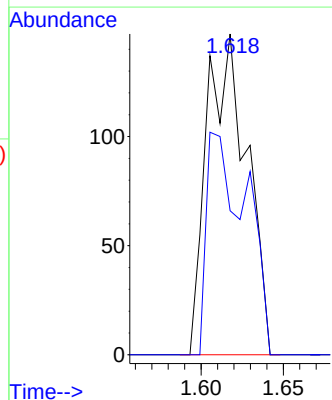
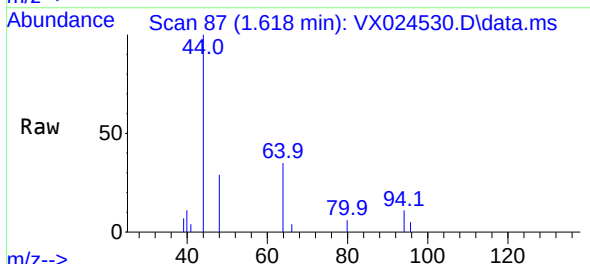
Instrument :
 MSVOA_X
 ClientSampleID :
 TB-01-100121

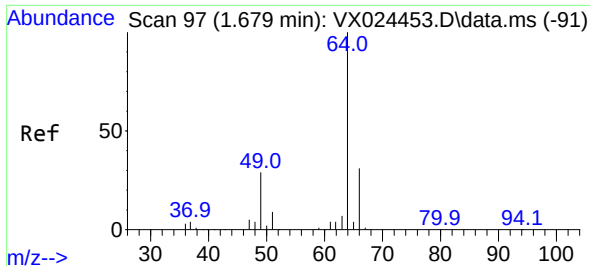
Tgt Ion: 62 Resp: 426
 Ion Ratio Lower Upper
 62 100
 64 1268.5 25.7 38.5#



#5
 Bromomethane
 Concen: 0.248 ug/l
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX024530.D
 Acq: 04 Oct 2021 19:06

Tgt Ion: 94 Resp: 249
 Ion Ratio Lower Upper
 94 100
 96 44.9 76.4 114.6#

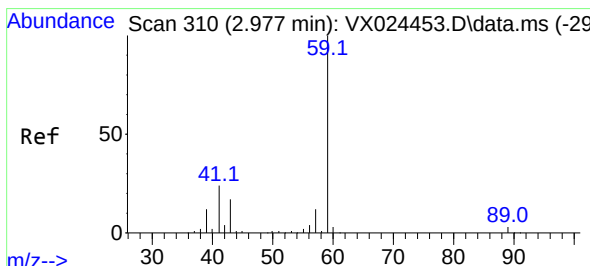
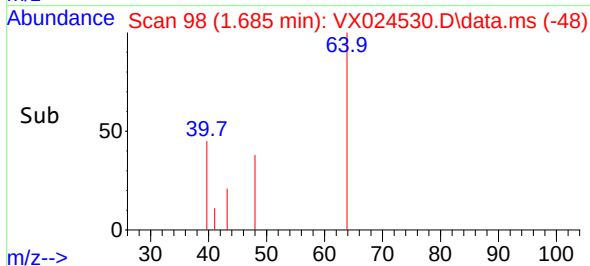
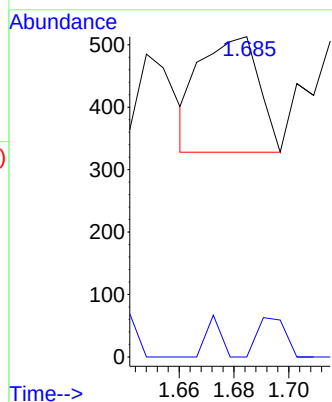
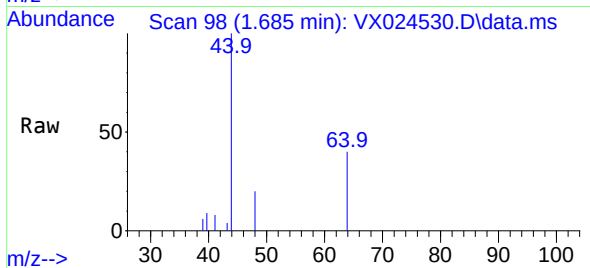




#6
Chloroethane
Concen: 0.533 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

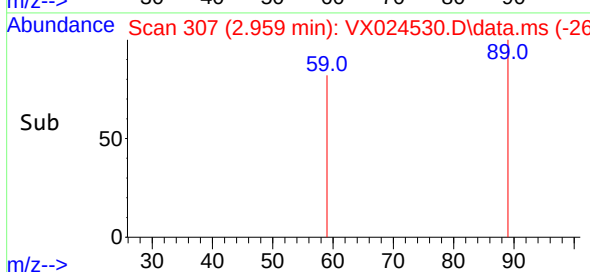
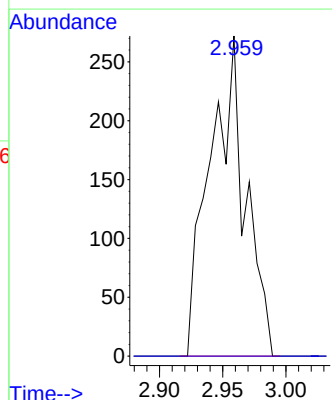
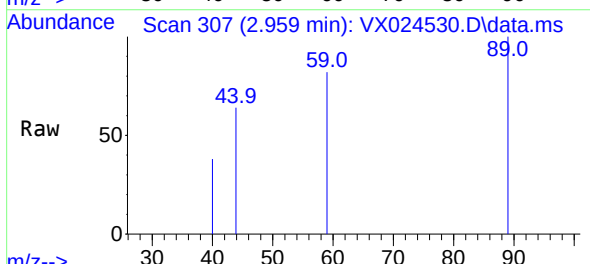
Instrument :
MSVOA_X
ClientSampled :
TB-01-100121

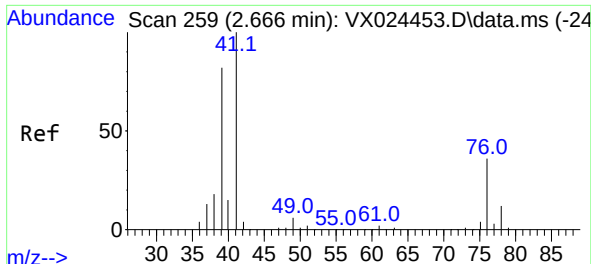
Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

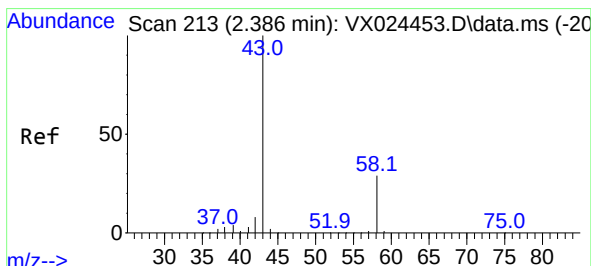
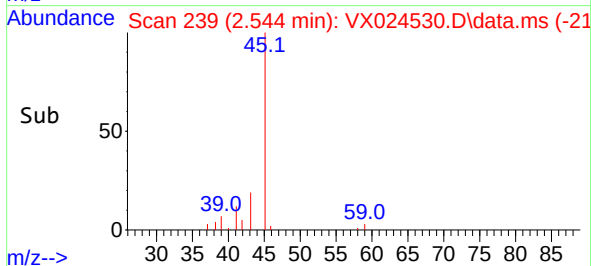
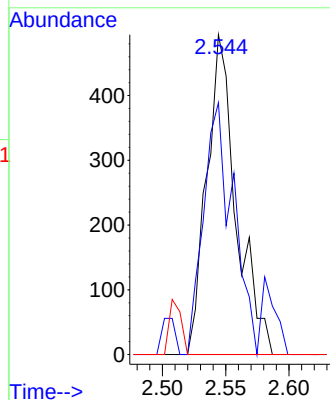
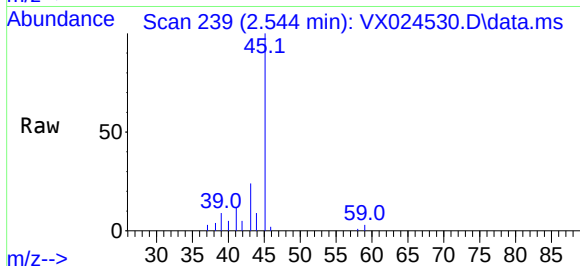




#14
 Allyl chloride
 Concen: 0.318 ug/l
 RT: 2.544 min Scan# 239
 Delta R.T. -0.122 min
 Lab File: VX024530.D
 Acq: 04 Oct 2021 19:06

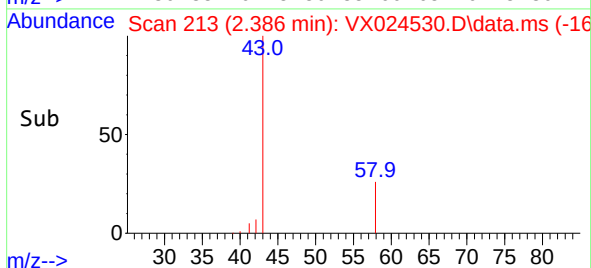
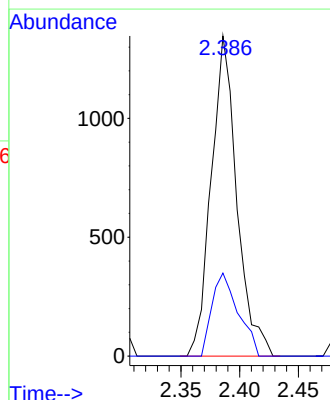
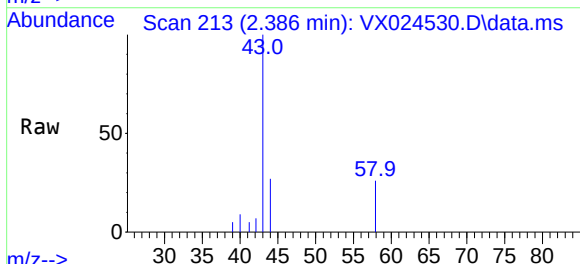
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-100121

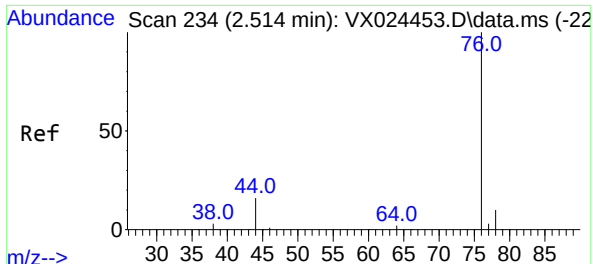
Tgt Ion: 41	Resp: 801
Ion Ratio	Lower Upper
41 100	
39 79.5	51.6 77.4#
76 0.0	30.5 45.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX024530.D
 Acq: 04 Oct 2021 19:06

Tgt Ion: 43	Resp: 2046
Ion Ratio	Lower Upper
43 100	
58 25.9	27.8 41.8#

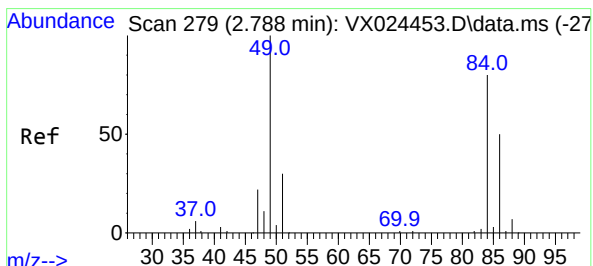
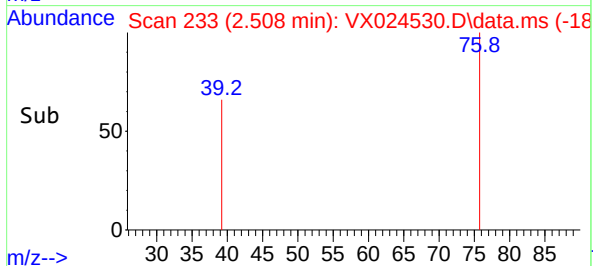
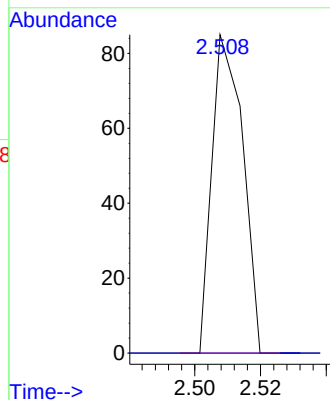
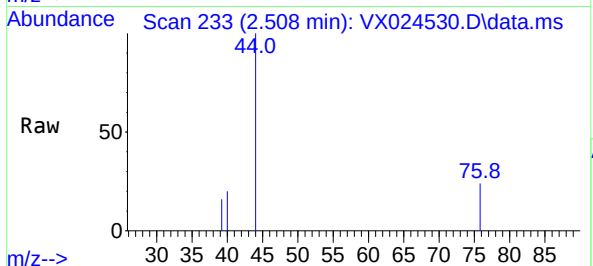




#17
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

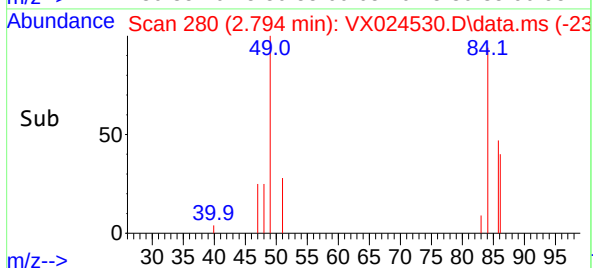
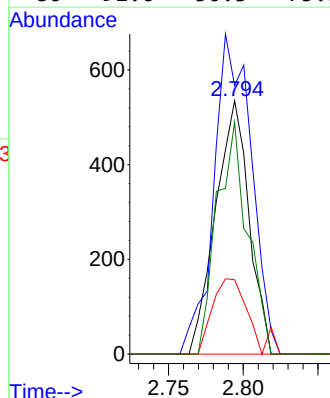
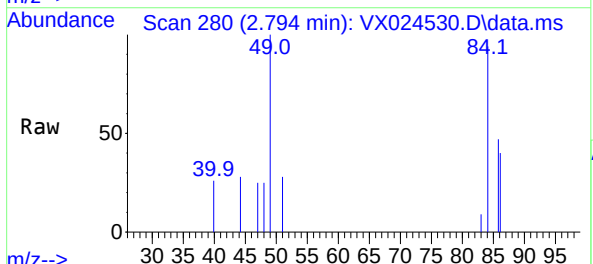
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

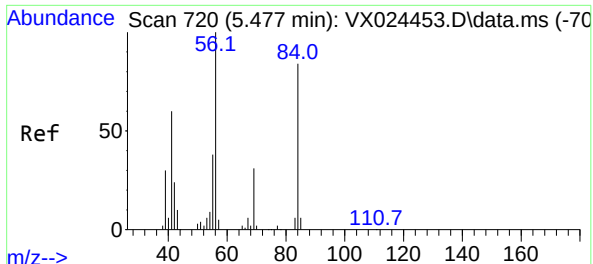
Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 84 Resp: 832
Ion Ratio Lower Upper
84 100
49 106.0 88.6 132.8
51 29.3 27.0 40.6
86 91.6 50.3 75.5#

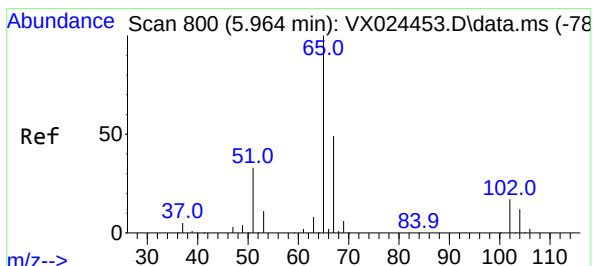
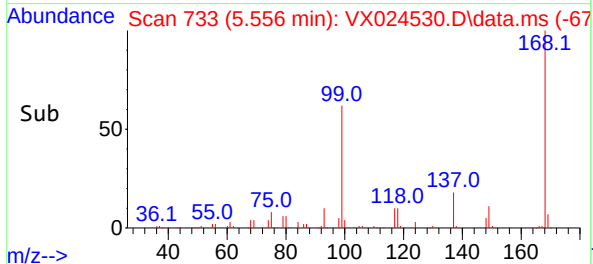
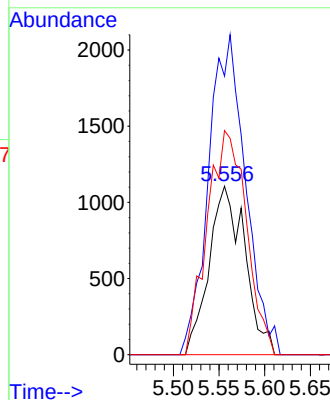
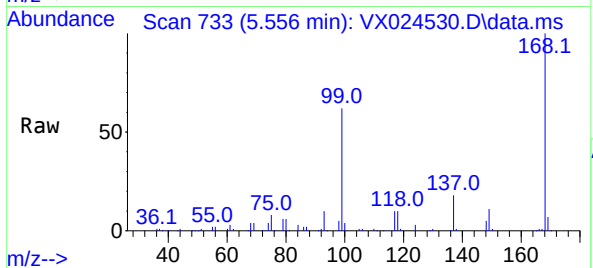




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

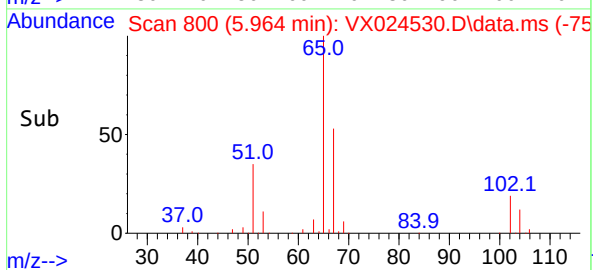
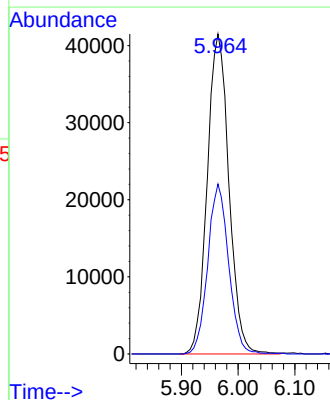
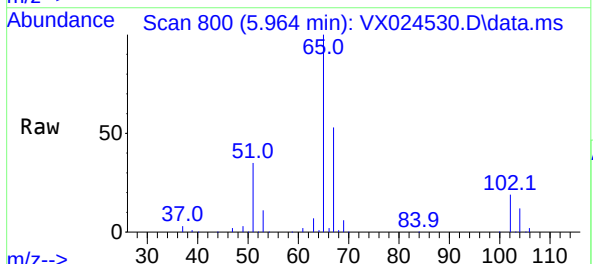
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MSVOA_X
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TB-01-100121

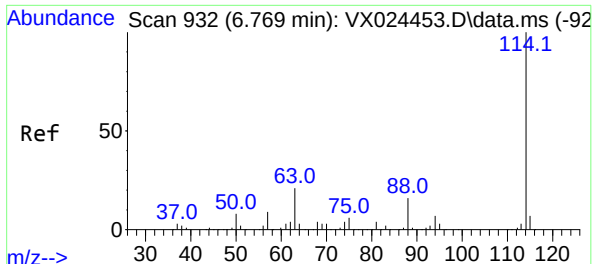
Tgt Ion: 56 Resp: 3017
Ion Ratio Lower Upper
56 100
69 165.4 25.3 37.9#
84 133.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.882 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 65 Resp: 110062
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

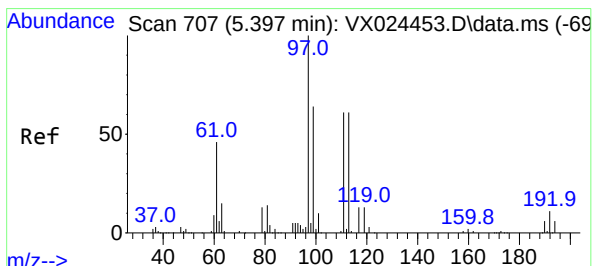
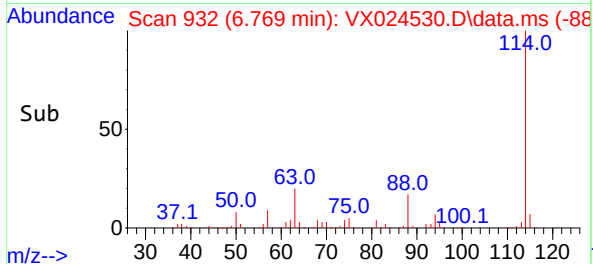
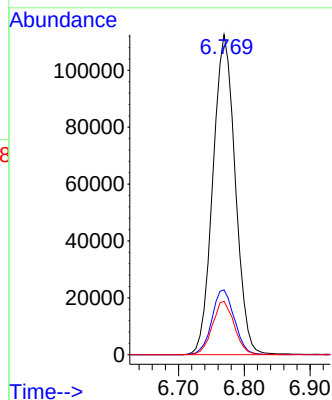
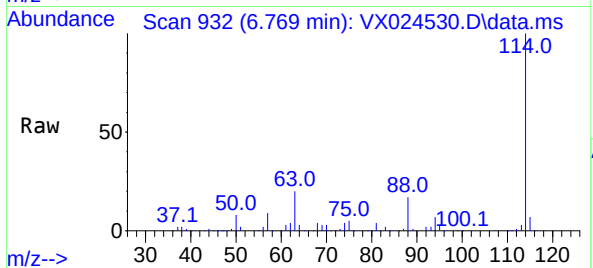




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

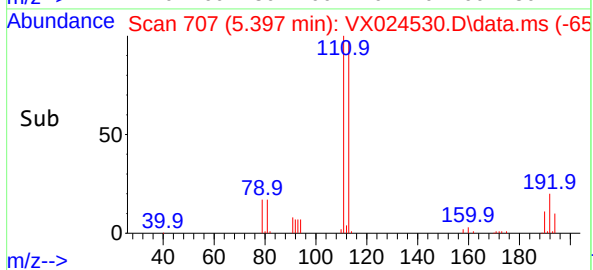
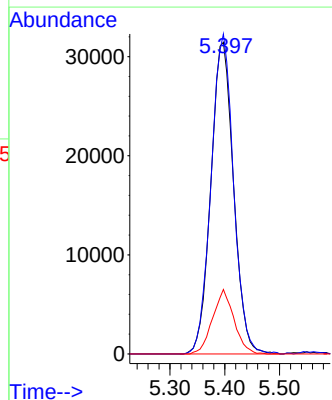
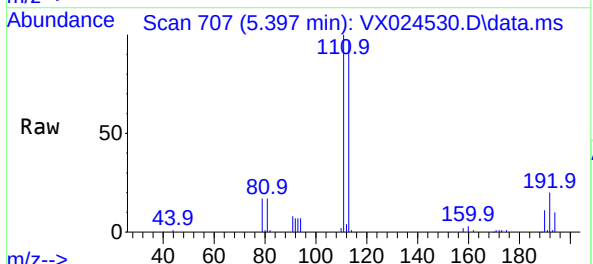
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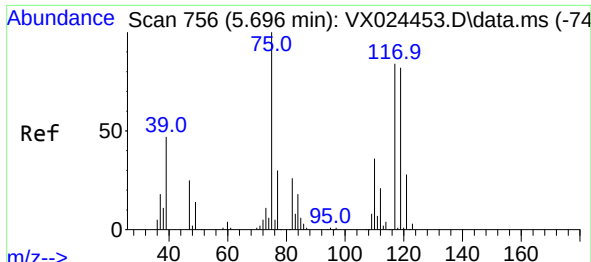
Tgt Ion:114 Resp: 265981
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.204 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion:113 Resp: 90476
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.6 16.7 25.1

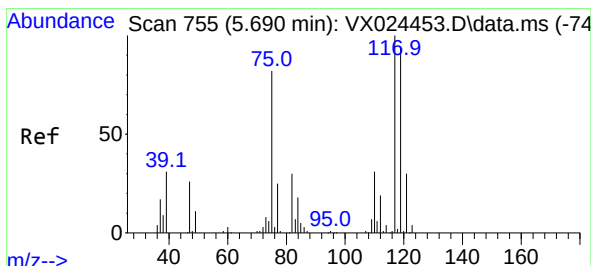
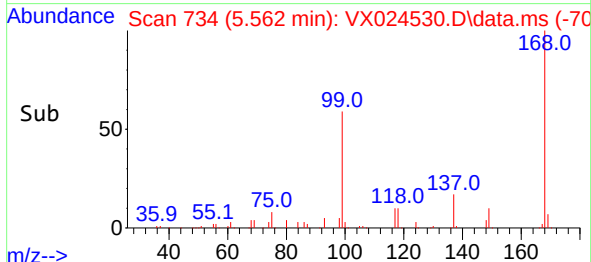
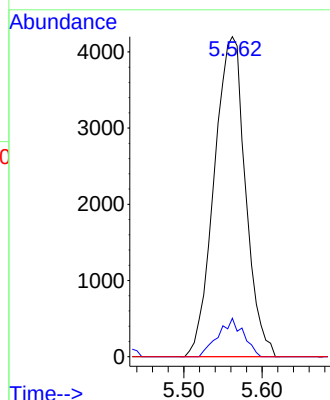
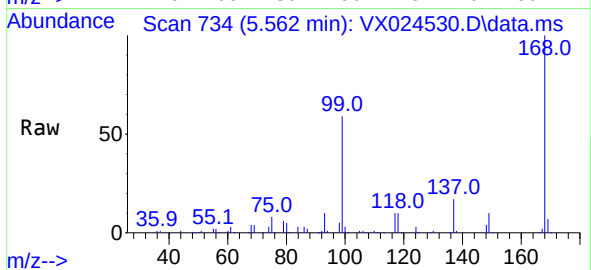




#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

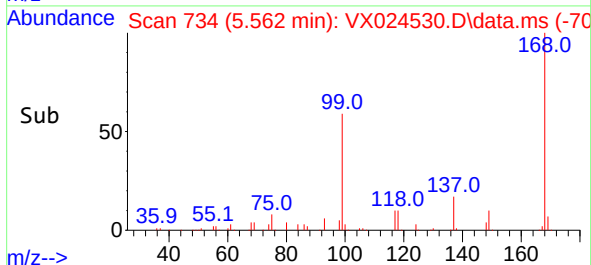
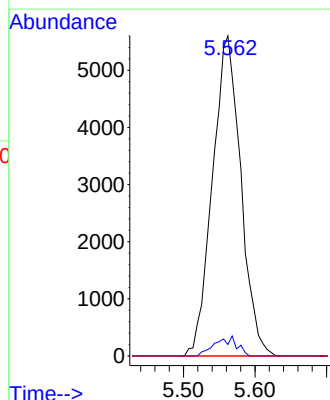
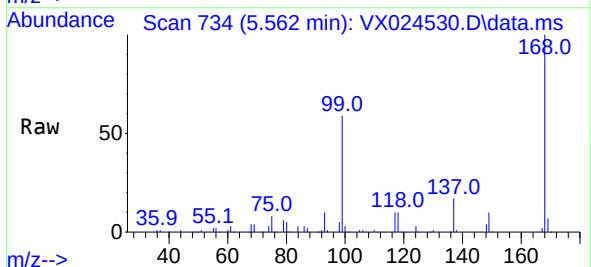
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

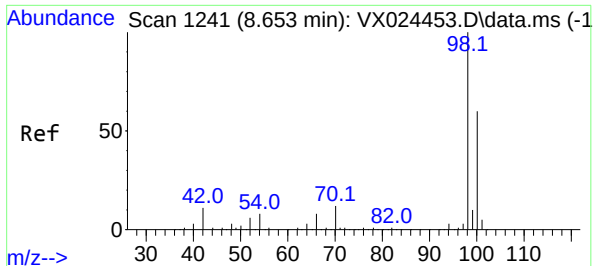
Tgt Ion: 75 Resp: 11646
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion:117 Resp: 15404
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#

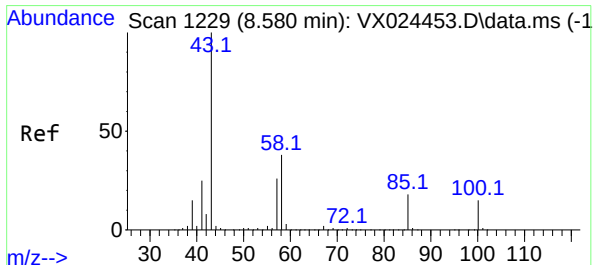
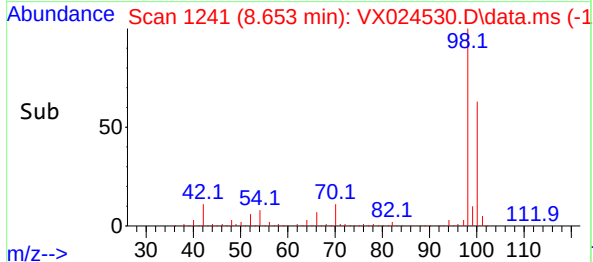
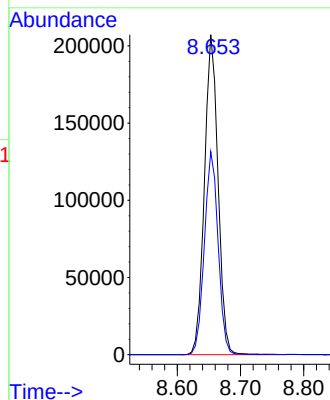
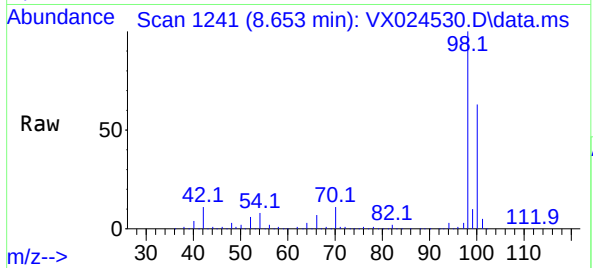




#50
Toluene-d8
Concen: 47.886 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

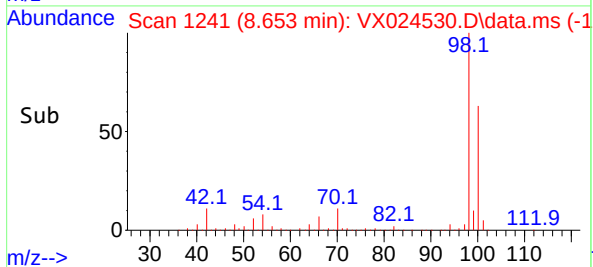
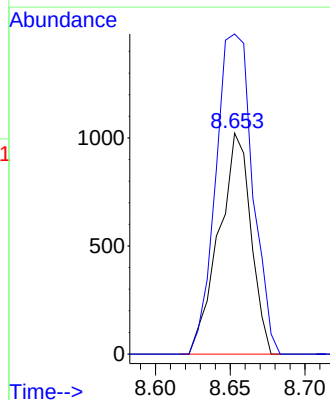
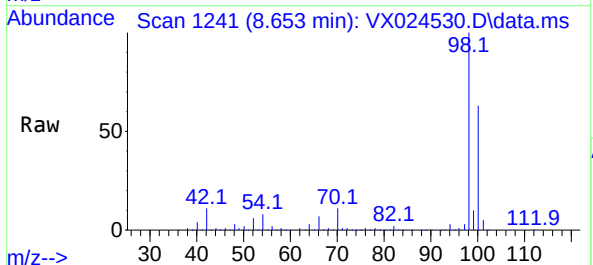
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

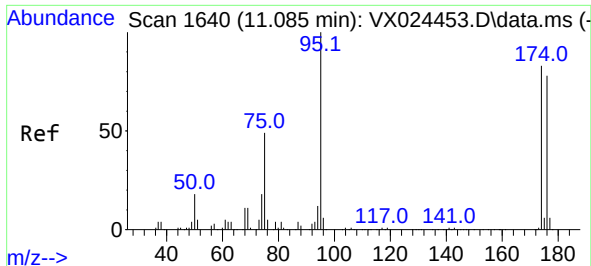
Tgt Ion: 98 Resp: 311420
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 166.8 35.4 53.0#

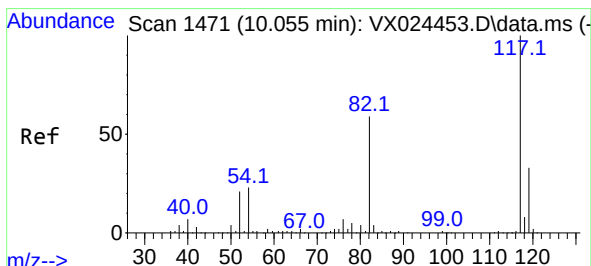
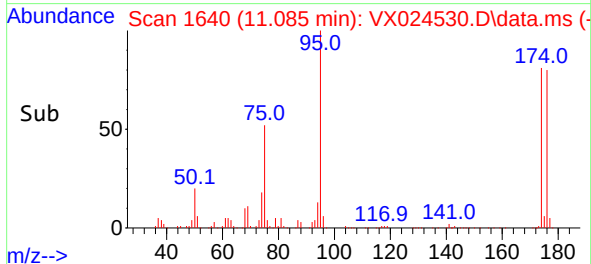
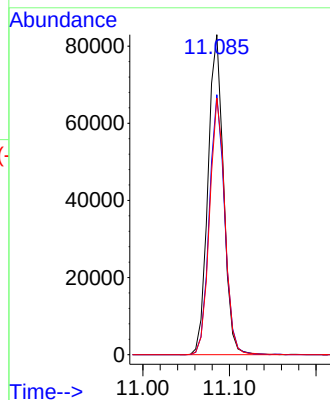
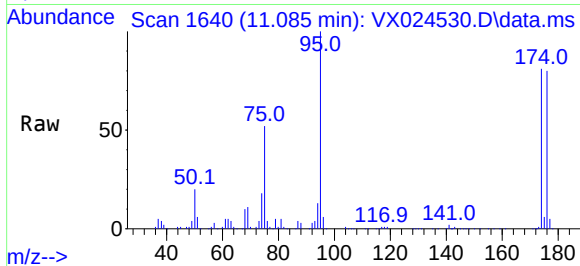




#62
4-Bromofluorobenzene
Concen: 40.270 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

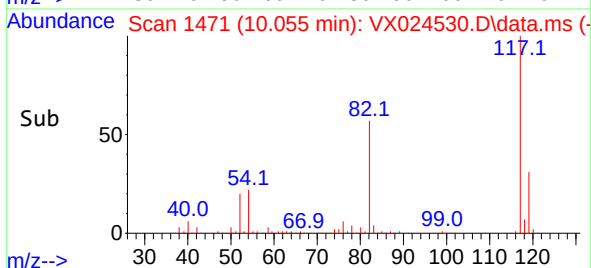
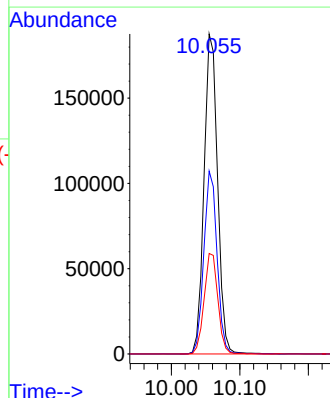
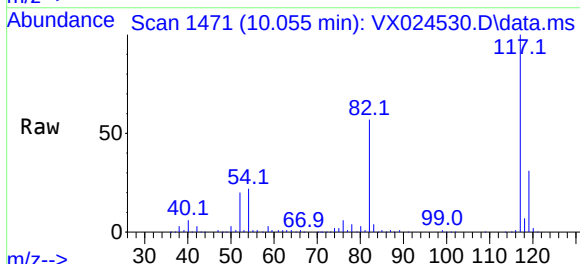
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

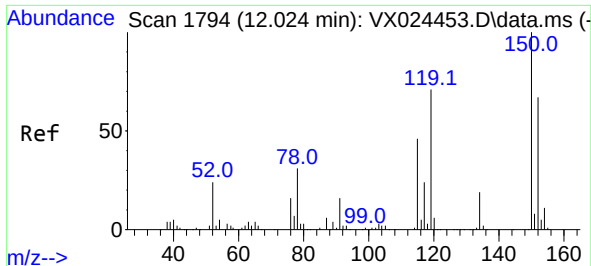
Tgt Ion: 95 Resp: 102971
Ion Ratio Lower Upper
95 100
174 80.1 0.0 154.6
176 79.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Tgt Ion: 117 Resp: 257953
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.4 26.6 39.8

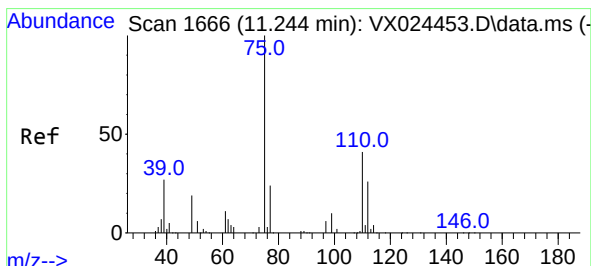
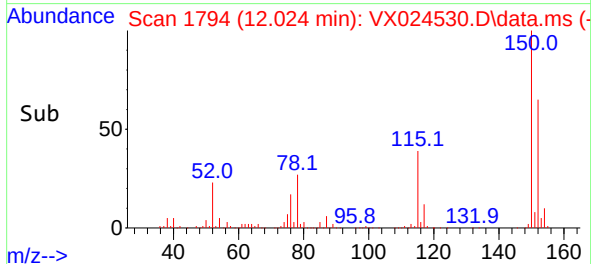
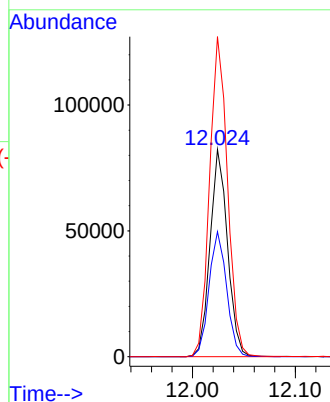
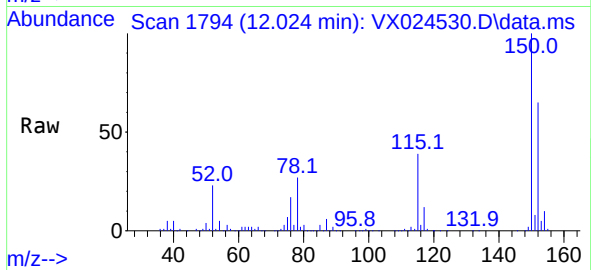




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

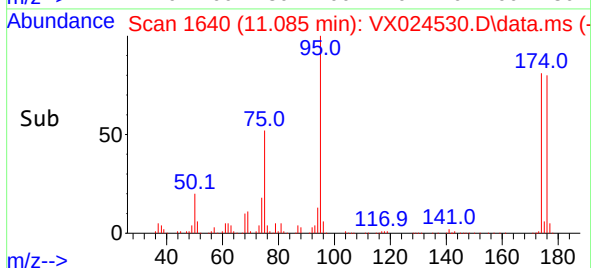
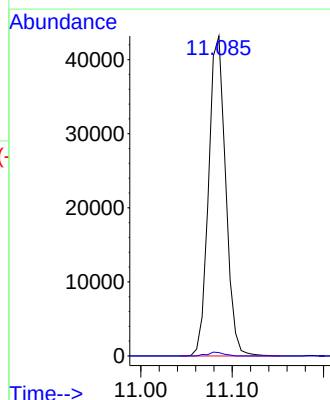
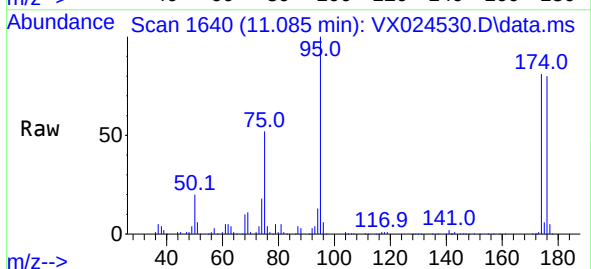
Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121

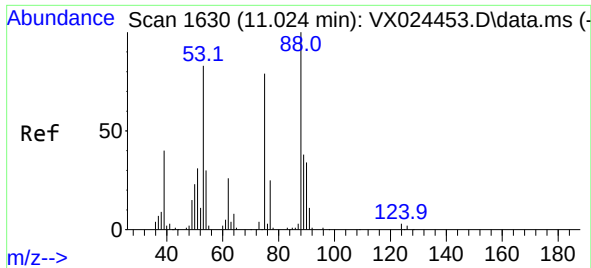
Tgt Ion:152 Resp: 97626
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 158.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.177 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

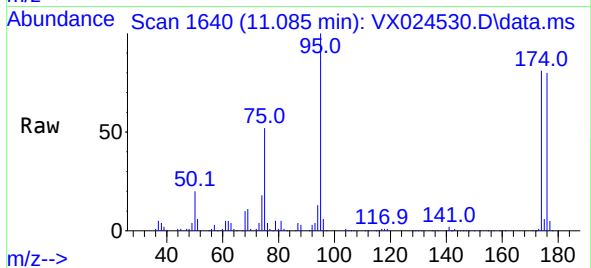
Tgt Ion: 75 Resp: 55817
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.642 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024530.D
Acq: 04 Oct 2021 19:06

Instrument :
MSVOA_X
ClientSampleId :
TB-01-100121



Tgt Ion: 75 Resp: 55817
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

