

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024547.D
 Acq On : 05 Oct 2021 02:55
 Operator : JC/MD
 Sample : PB139556ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139556ZHE#04

Quant Time: Oct 05 08:34:38 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)

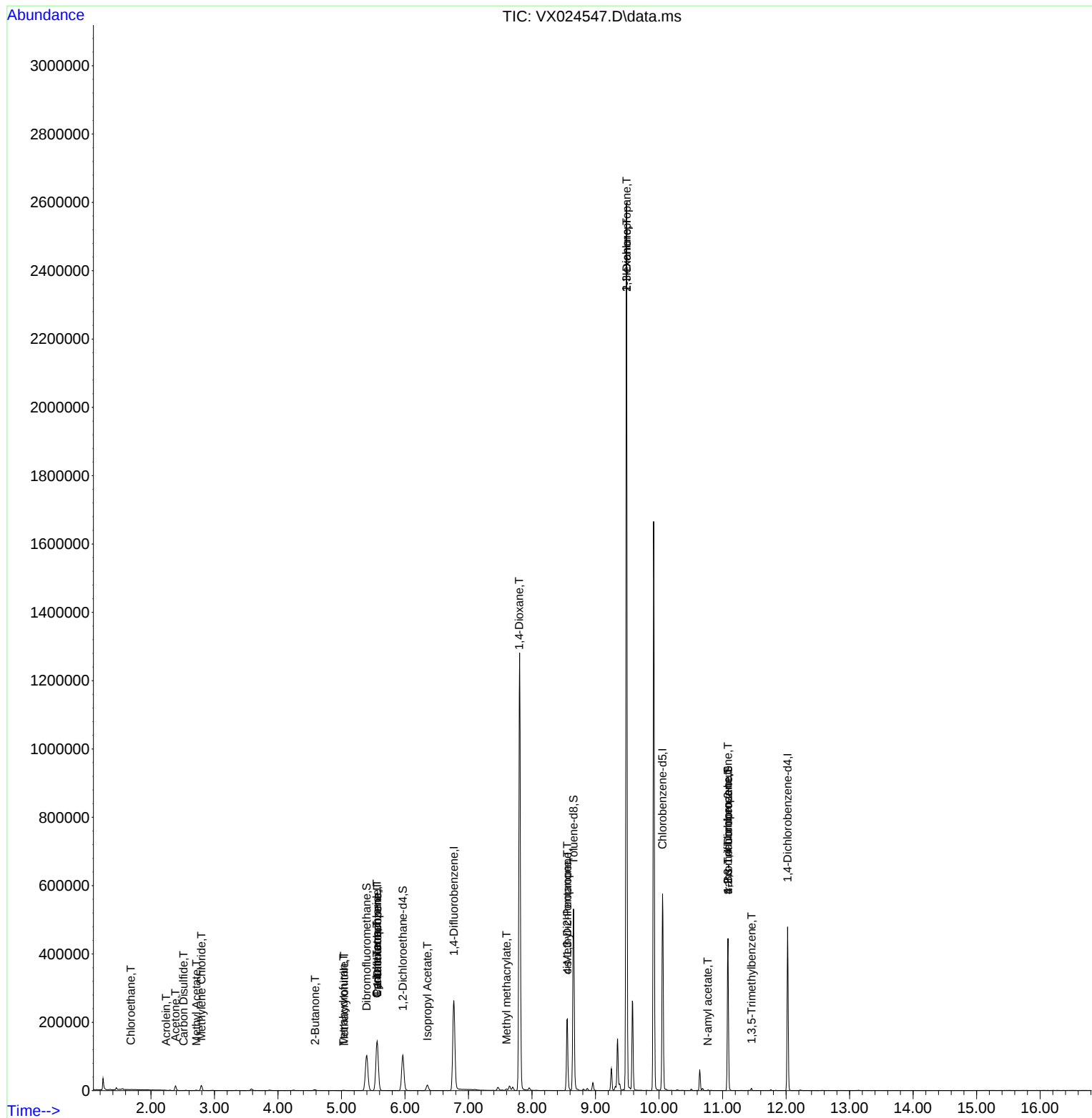
Internal Standards						
1) Pentafluorobenzene	5.562	168	132575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105001	56.196	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.400%			
35) Dibromofluoromethane	5.397	113	89390	50.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	8.653	98	313082	47.694	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.380%			
62) 4-Bromofluorobenzene	11.085	95	112691	43.661	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.320%			
Target Compounds						Qvalue
6) Chloroethane	1.685	64	344	0.649	ug/l #	79
11) Tert butyl alcohol	2.965	59	1094	Below Cal	#	86
13) Acrolein	2.239	56	23	10.276	ug/l #	14
16) Acetone	2.386	43	14733	8.908	ug/l	92
17) Carbon Disulfide	2.514	76	223	0.299	ug/l #	75
18) Methyl Acetate	2.715	43	2076	0.742	ug/l #	81
20) Methylene Chloride	2.794	84	6910	3.887	ug/l	96
25) 2-Butanone	4.587	43	4768	3.705	ug/l #	87
29) Tetrahydrofuran	5.032	42	742	0.905	ug/l #	54
31) Cyclohexane	5.556	56	3042	1.360	ug/l #	38
36) 1,1-Dichloropropene	5.562	75	10754	4.178	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13336	4.760	ug/l #	15
41) Methacrylonitrile	5.044	41	457	0.275	ug/l #	40
43) Isopropyl Acetate	6.355	43	21293	4.359	ug/l	94
48) Methyl methacrylate	7.598	41	6199	2.563	ug/l #	10
49) 1,4-Dioxane	7.799	88	153	2.761	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	75437	23.390	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	32626	10.849	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	20161	6.078	ug/l #	43
59) 2-Hexanone	9.488	43	297353	117.075	ug/l #	43
74) N-amyl acetate	10.768	43	1149	0.384	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	59358	28.441	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	2965	0.534	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	59358	77.291	ug/l #	12

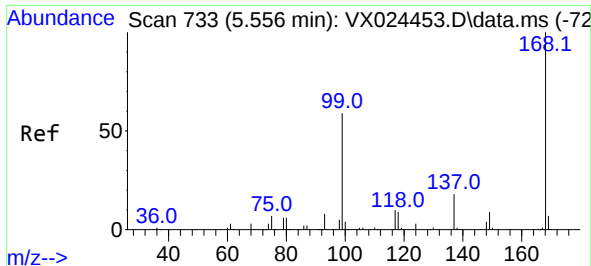
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 08:34:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
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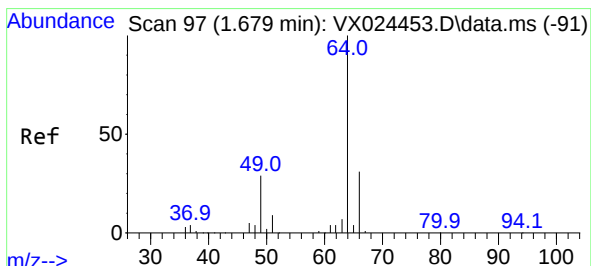
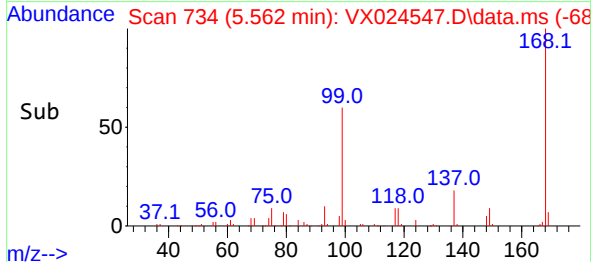
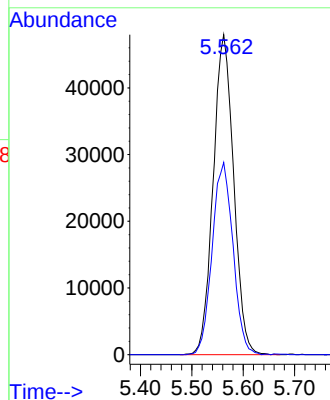
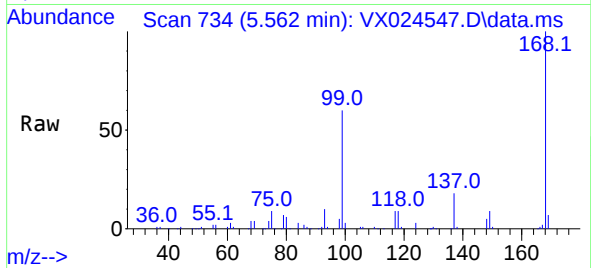




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

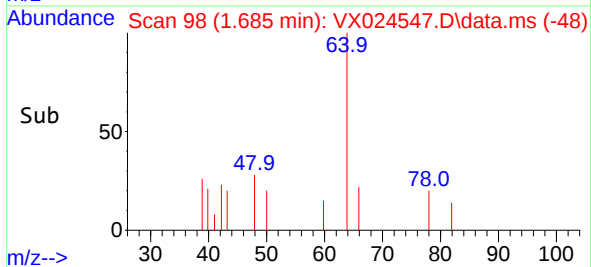
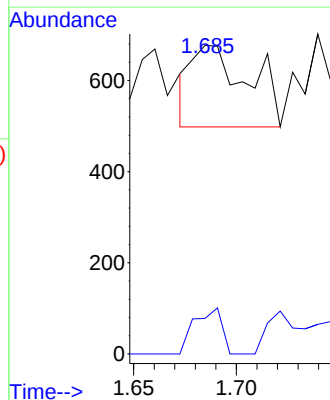
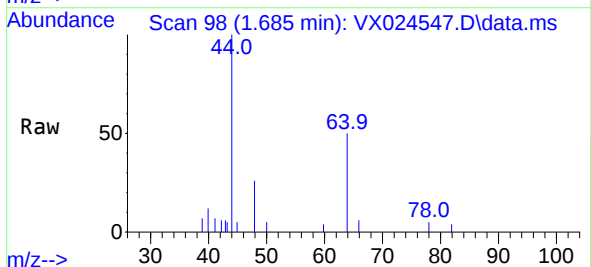
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

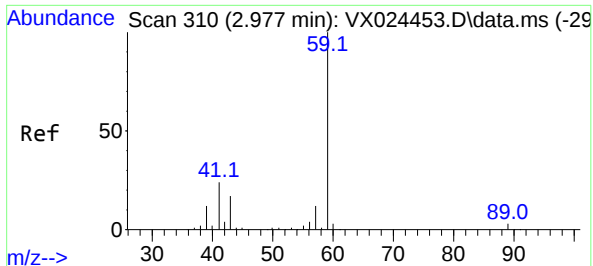
Tgt Ion:168 Resp: 132575
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#6
Chloroethane
Concen: 0.649 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 43.6 25.4 38.0#



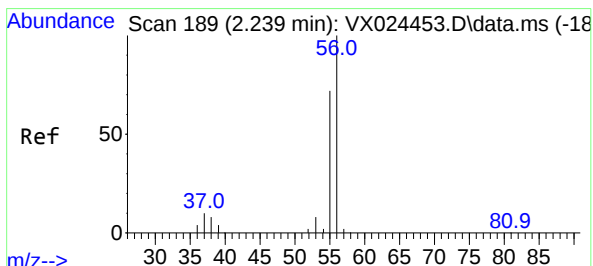
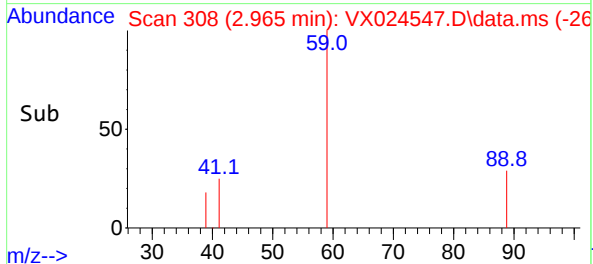
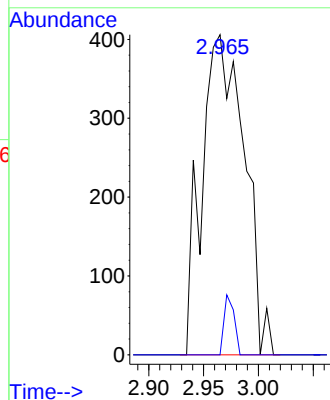
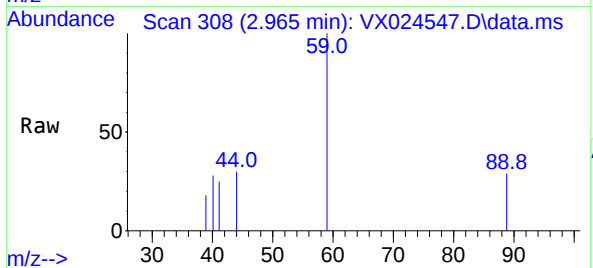


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

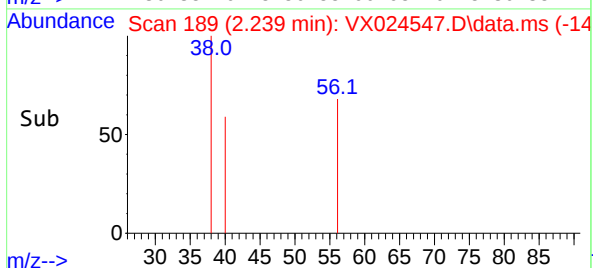
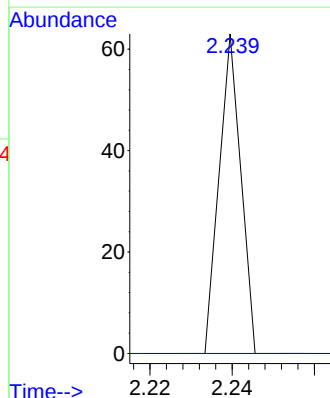
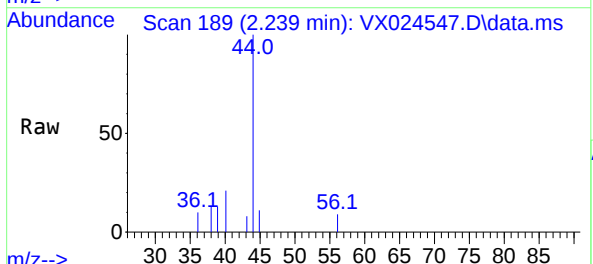
Tgt Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 4.5 7.8 11.8#

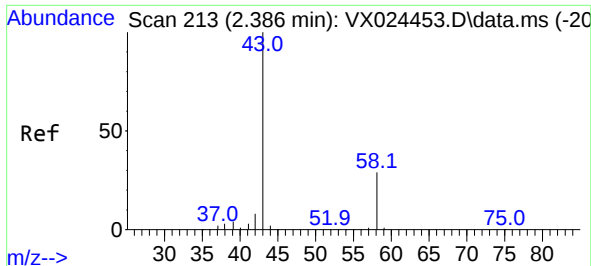


#13

Acrolein
Concen: 10.276 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

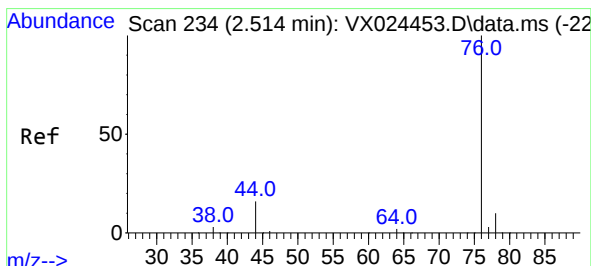
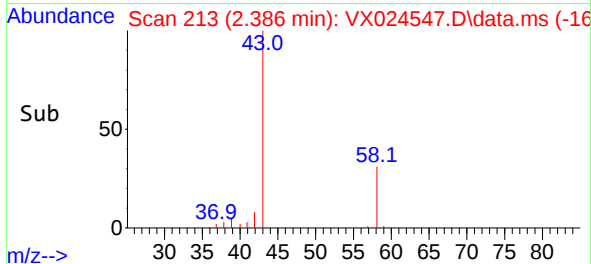
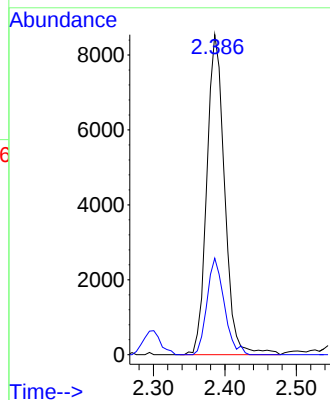
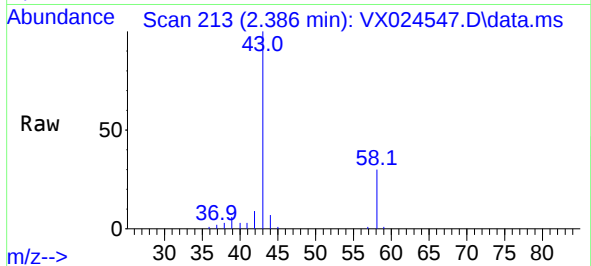




#16
Acetone
Concen: 8.908 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

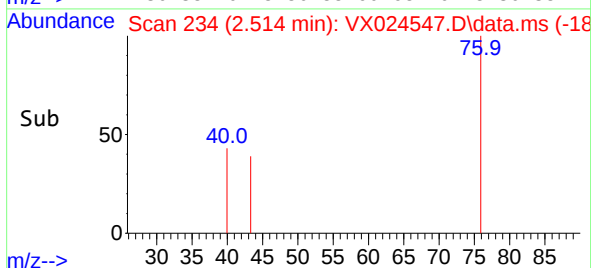
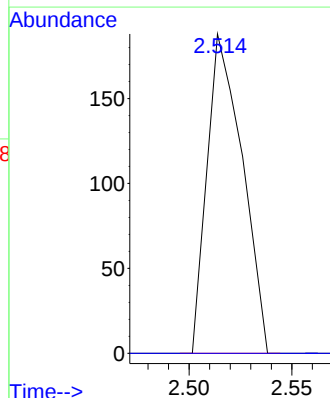
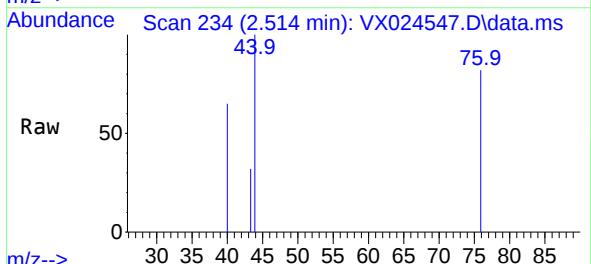
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

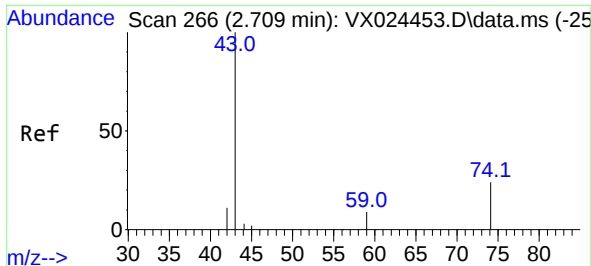
Tgt Ion: 43 Resp: 14733
Ion Ratio Lower Upper
43 100
58 30.2 27.8 41.8



#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 76 Resp: 223
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

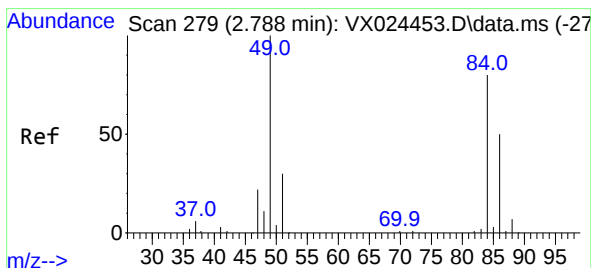
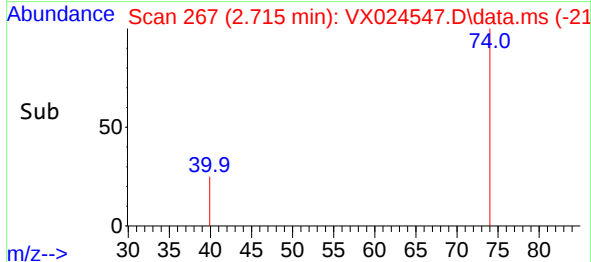
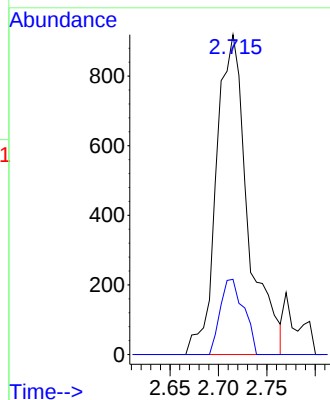
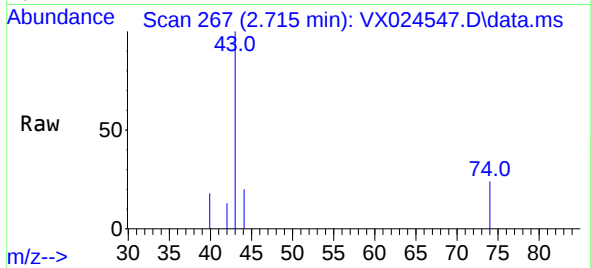




#18
Methyl Acetate
Concen: 0.742 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

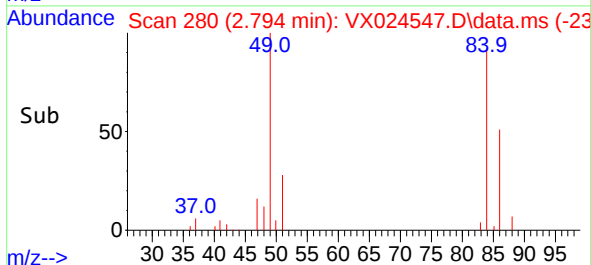
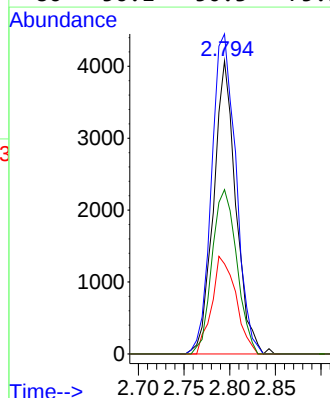
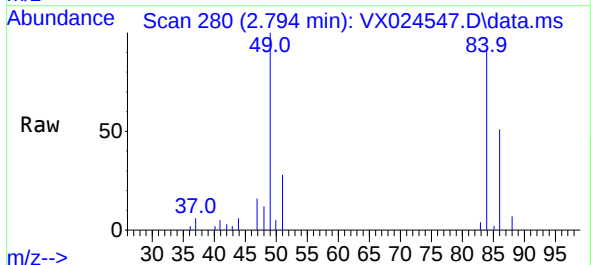
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

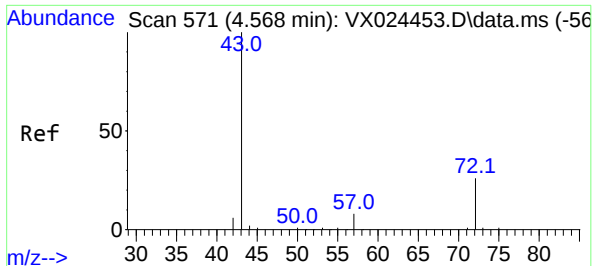
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
74 17.6 21.9 32.9#



#20
Methylene Chloride
Concen: 3.887 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 84 Resp: 6910
Ion Ratio Lower Upper
84 100
49 109.2 88.6 132.8
51 30.7 27.0 40.6
86 56.1 50.3 75.5





#25

2-Butanone

Concen: 3.705 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX024547.D

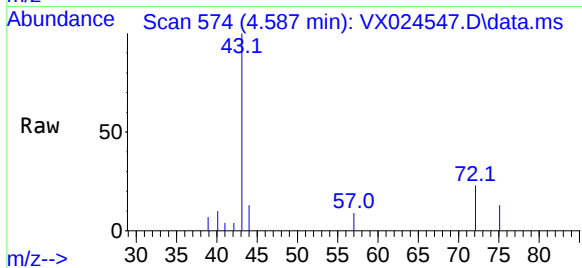
Acq: 05 Oct 2021 02:55

Tgt Ion: 43 Resp: 4768

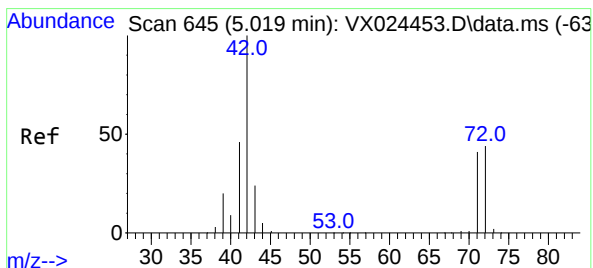
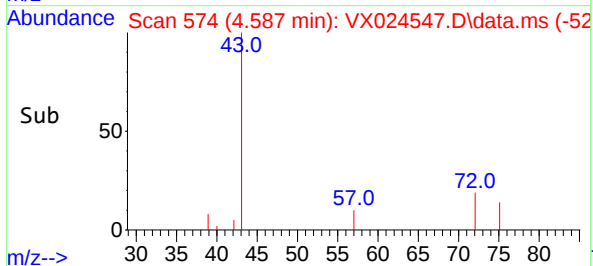
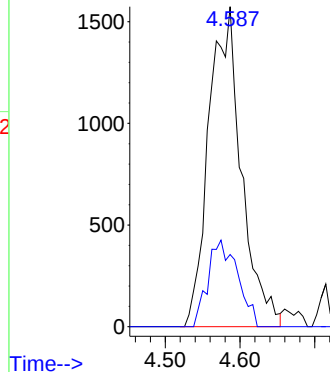
Ion Ratio Lower Upper

43 100

72 22.6 23.7 35.5#



Abundance



#29

Tetrahydrofuran

Concen: 0.905 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX024547.D

Acq: 05 Oct 2021 02:55

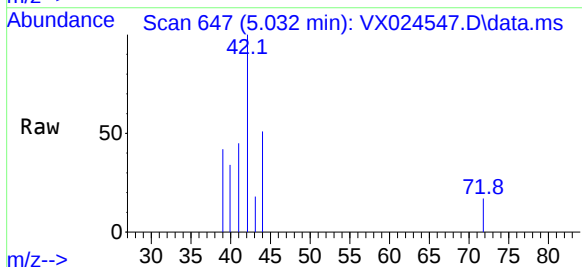
Tgt Ion: 42 Resp: 742

Ion Ratio Lower Upper

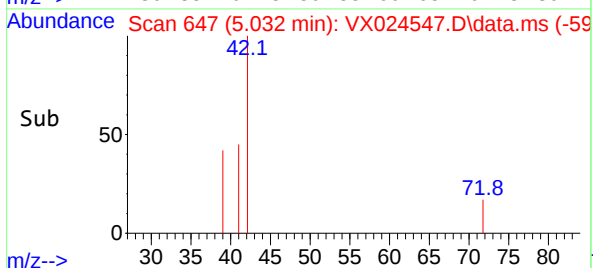
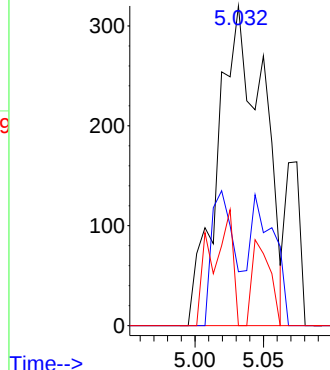
42 100

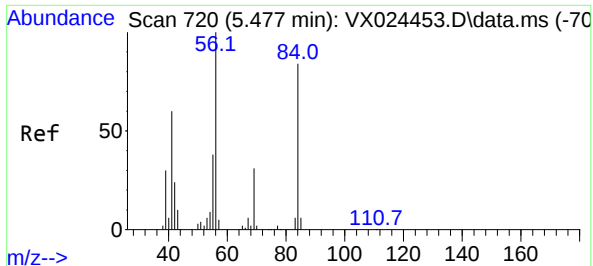
72 20.1 41.7 62.5#

71 16.8 38.4 57.6#



Abundance

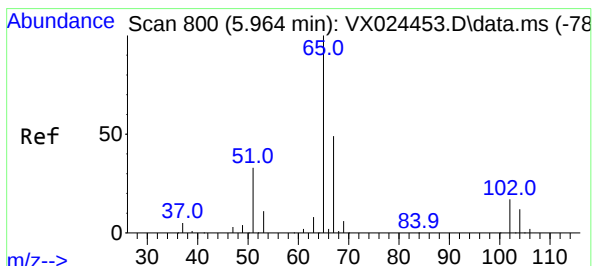
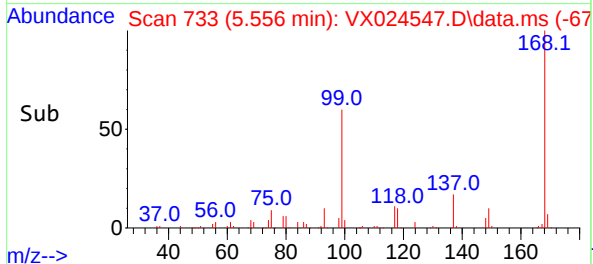
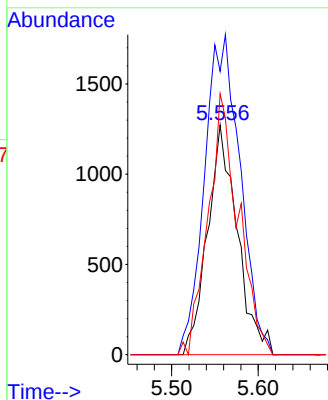
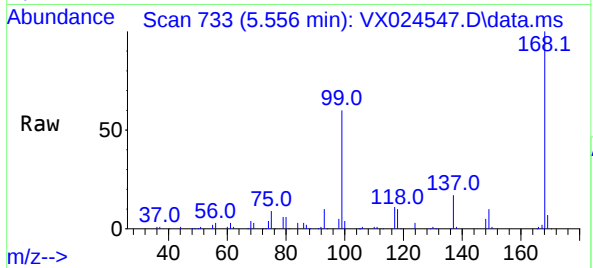




#31
Cyclohexane
Concen: 1.360 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

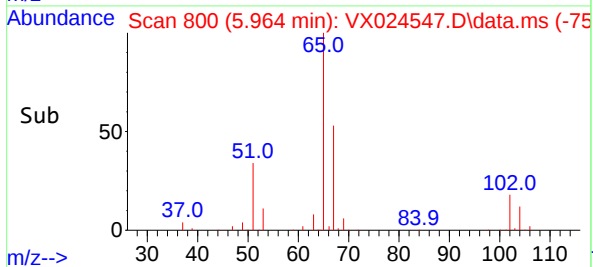
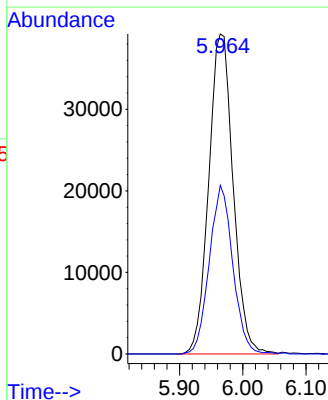
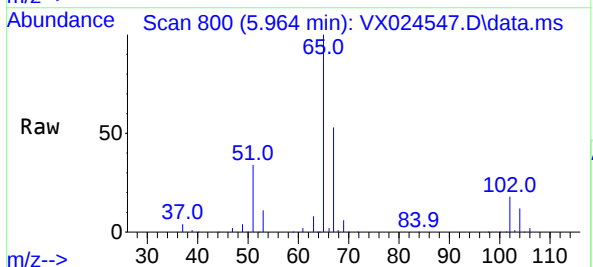
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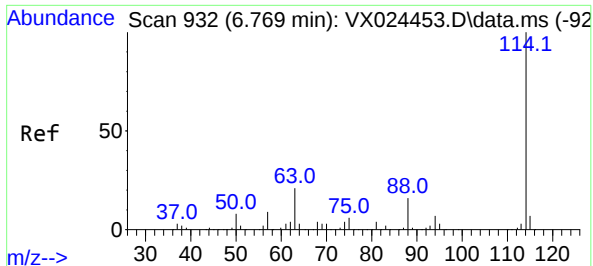
Tgt Ion: 56 Resp: 3042
Ion Ratio Lower Upper
56 100
69 123.3 25.3 37.9#
84 113.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 56.196 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 65 Resp: 105001
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

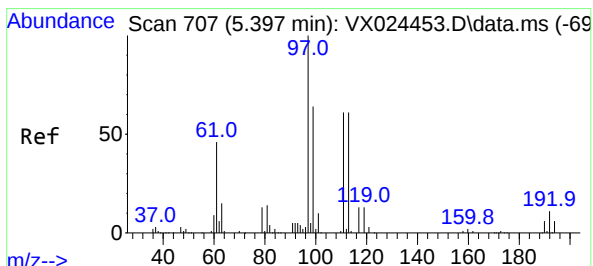
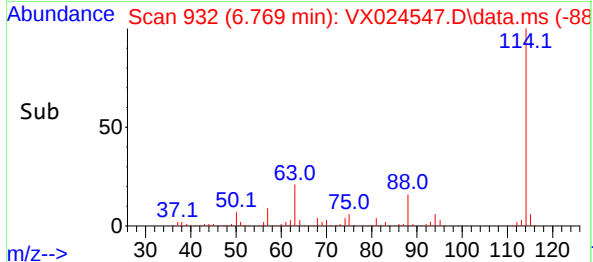
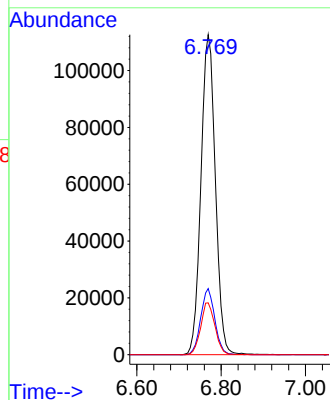
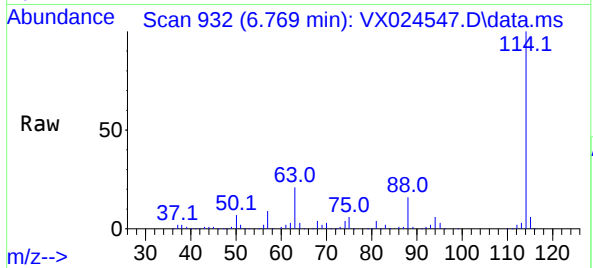




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

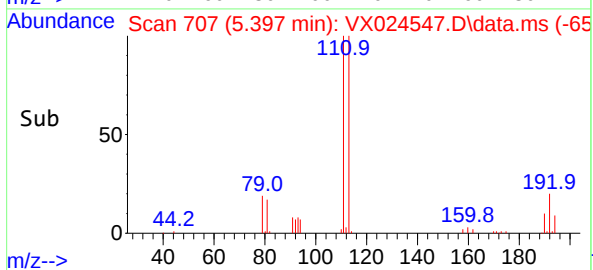
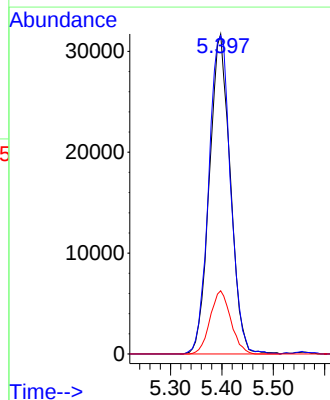
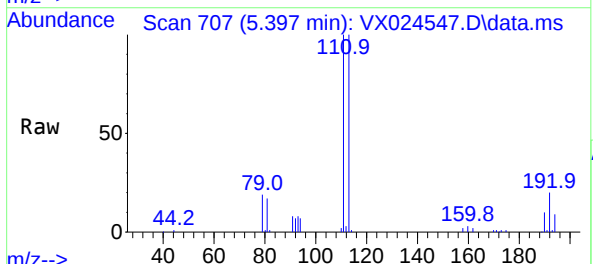
Instrument :
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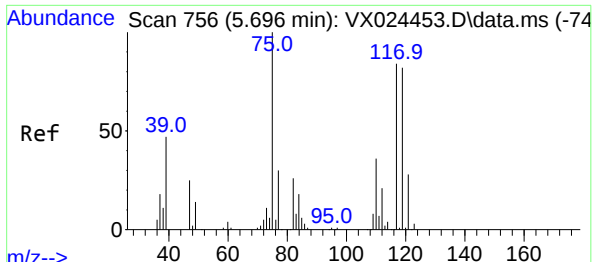
Tgt Ion:114 Resp: 268477
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.119 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion:113 Resp: 89390
Ion Ratio Lower Upper
113 100
111 103.9 81.9 122.9
192 19.6 16.7 25.1

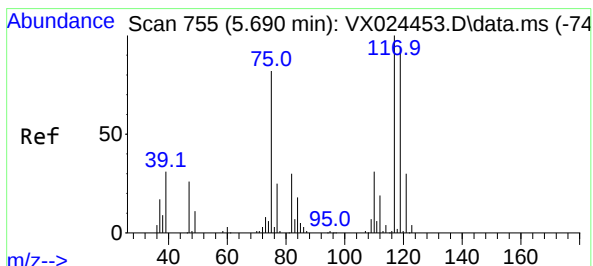
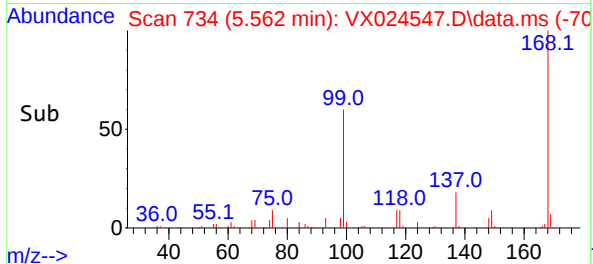
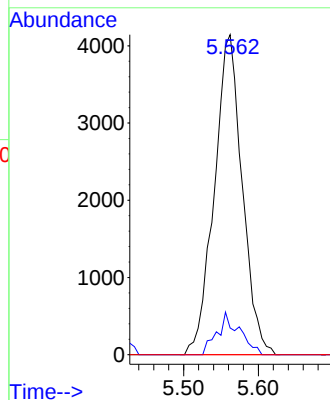
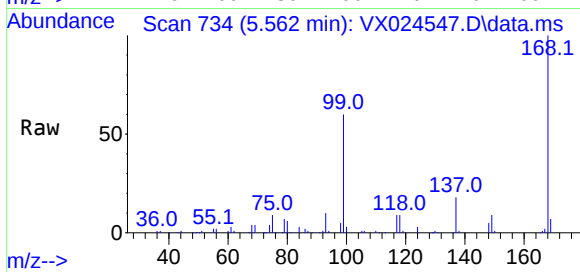




#36
1,1-Dichloropropene
Concen: 4.178 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

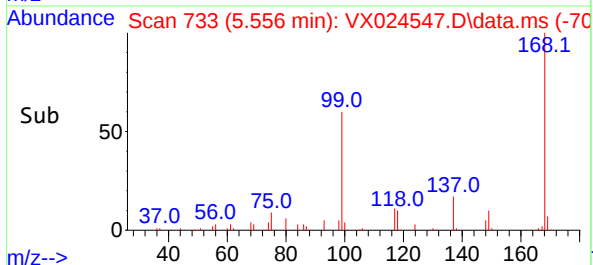
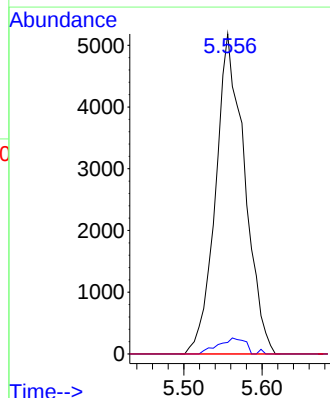
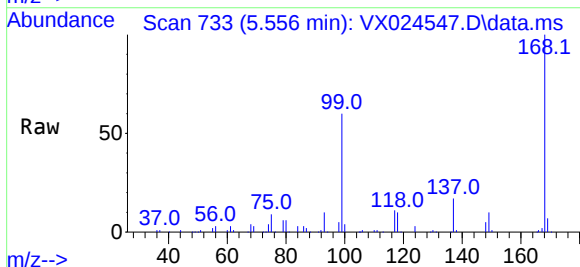
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

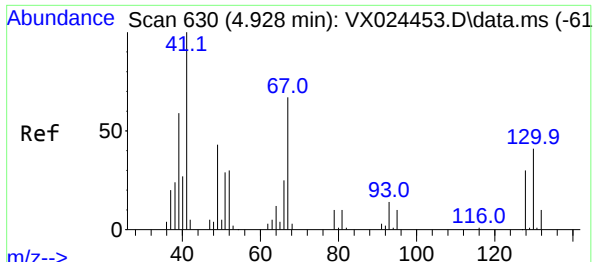
Tgt Ion: 75 Resp: 10754
Ion Ratio Lower Upper
75 100
110 10.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.760 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 117 Resp: 13336
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#



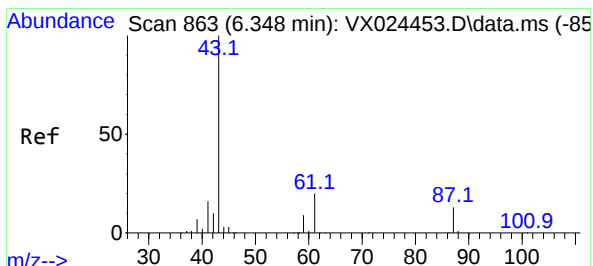
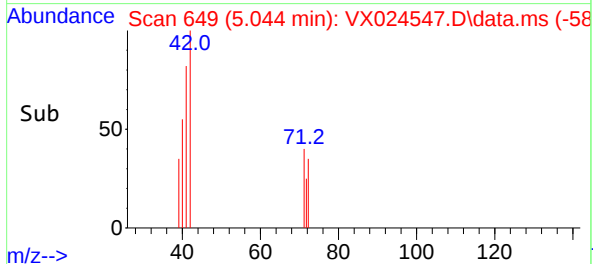
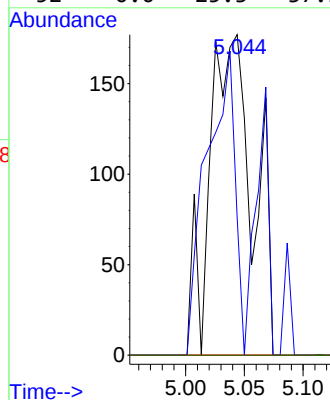
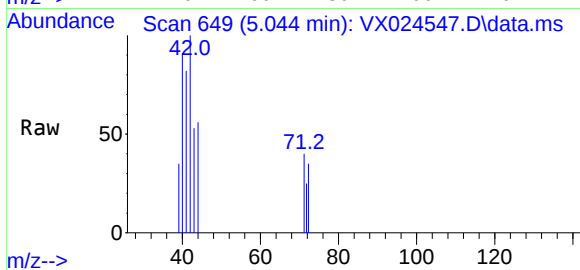


#41
Methacrylonitrile
Concen: 0.275 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

Tgt Ion: 41 Resp: 457

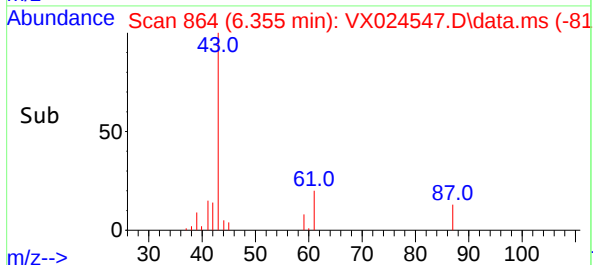
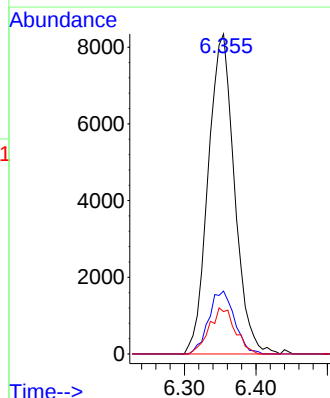
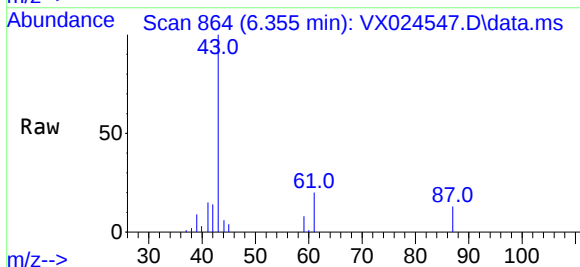
Ion	Ratio	Lower	Upper
41	100		
39	61.9	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#

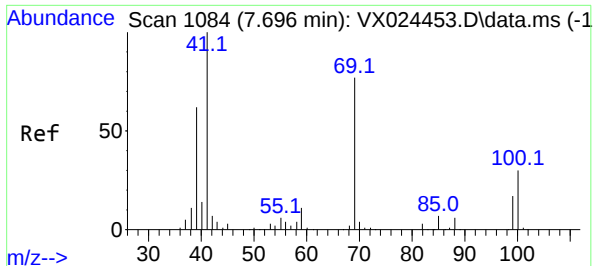


#43
Isopropyl Acetate
Concen: 4.359 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 43 Resp: 21293

Ion	Ratio	Lower	Upper
43	100		
61	19.4	18.2	27.4
87	14.2	12.5	18.7





#48

Methyl methacrylate

Concen: 2.563 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX024547.D

Acq: 05 Oct 2021 02:55

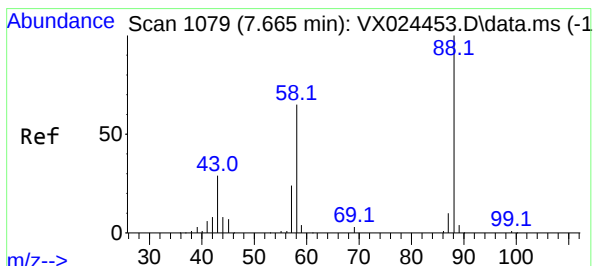
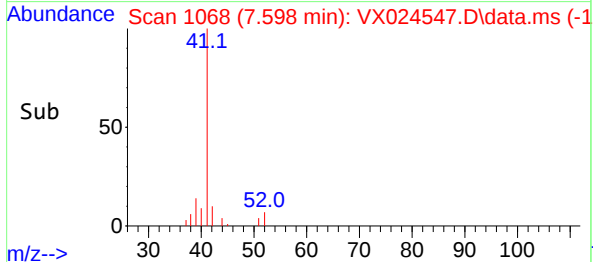
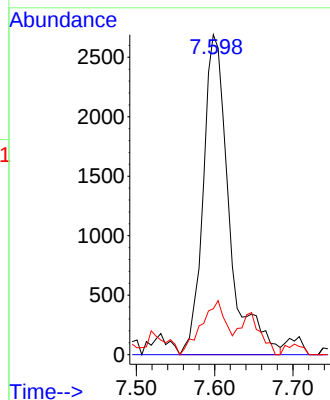
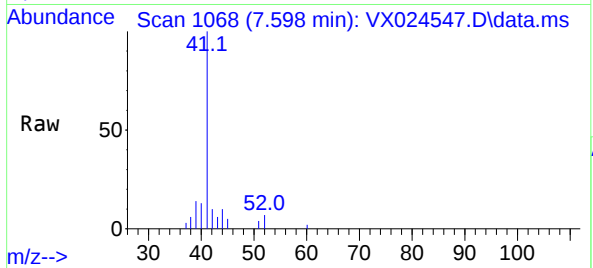
Instrument :

MSVOA_X

ClientSampleId :

PB139556ZHE#04

Tgt Ion:	41	Resp:	6199
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#



#49

1,4-Dioxane

Concen: 2.761 ug/l

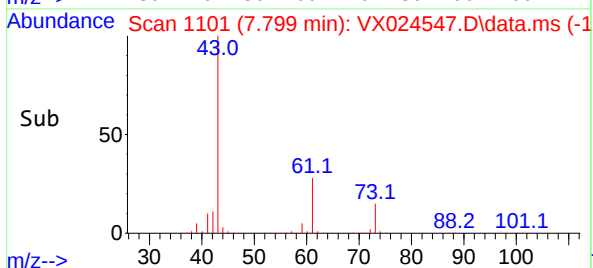
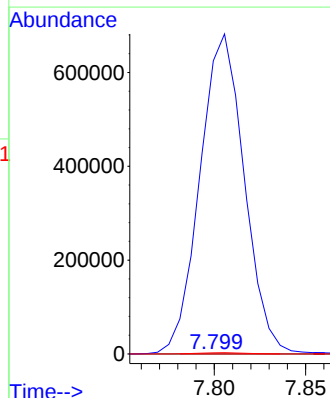
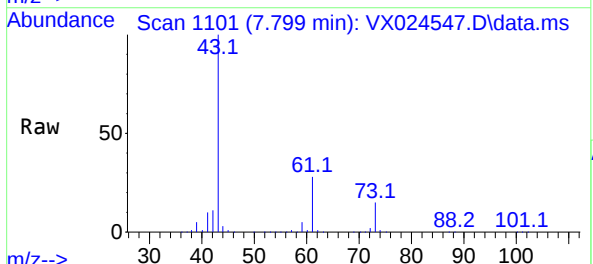
RT: 7.799 min Scan# 1101

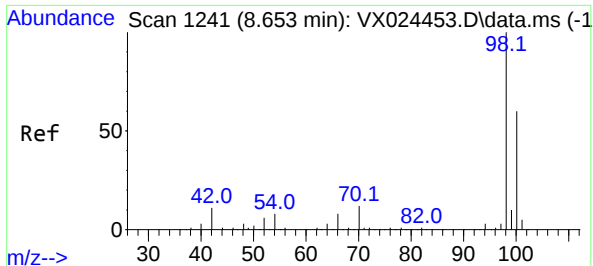
Delta R.T. 0.134 min

Lab File: VX024547.D

Acq: 05 Oct 2021 02:55

Tgt Ion:	88	Resp:	153
Ion	Ratio	Lower	Upper
88	100		
43	757534.6	23.2	34.8#
58	3127.5	55.0	82.4#

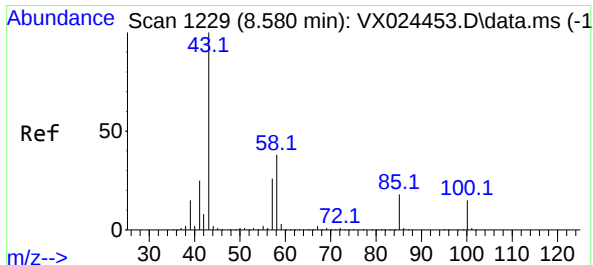
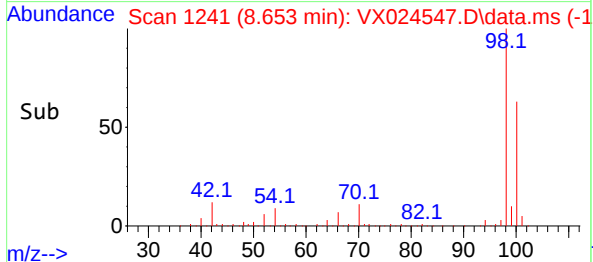
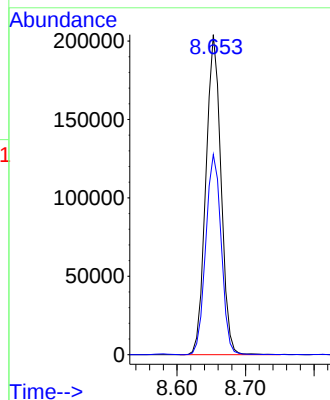
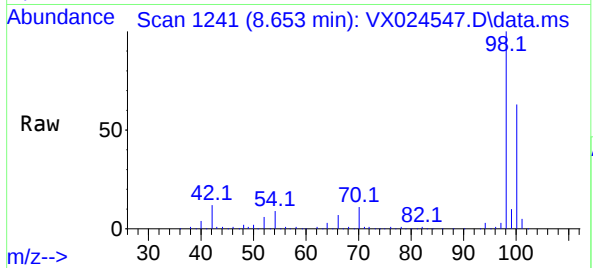




#50
Toluene-d8
Concen: 47.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

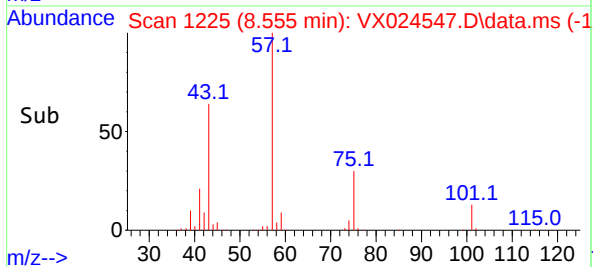
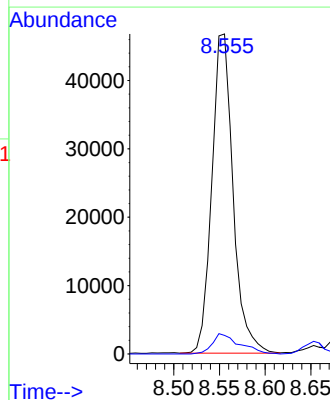
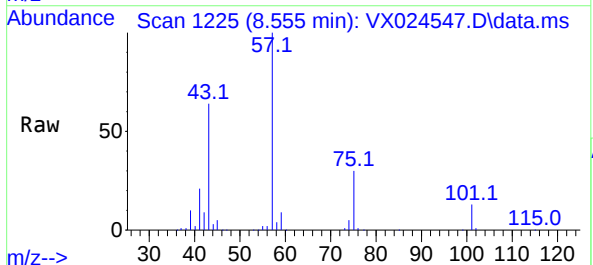
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

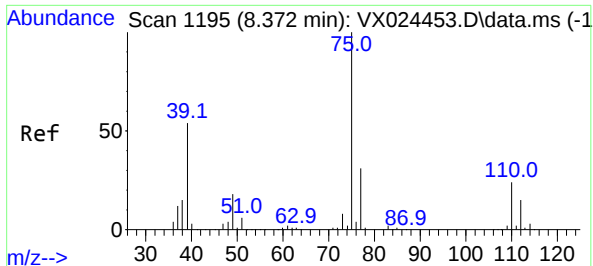
Tgt Ion: 98 Resp: 313082
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 23.390 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 43 Resp: 75437
Ion Ratio Lower Upper
43 100
58 8.1 35.4 53.0#

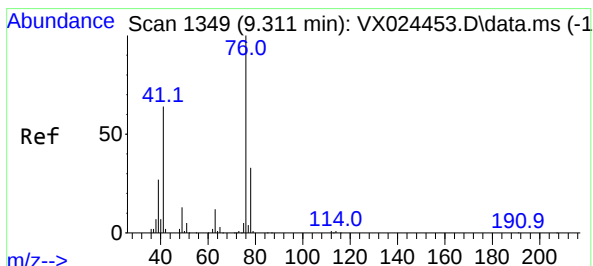
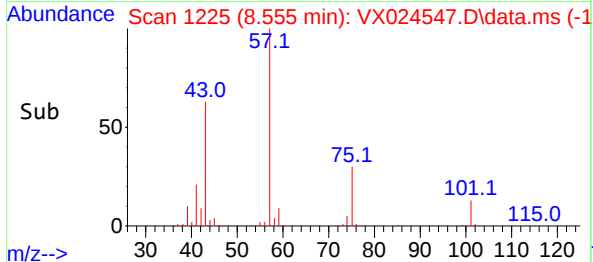
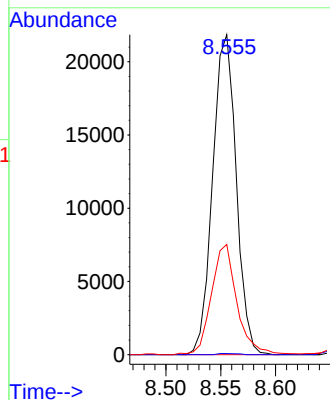
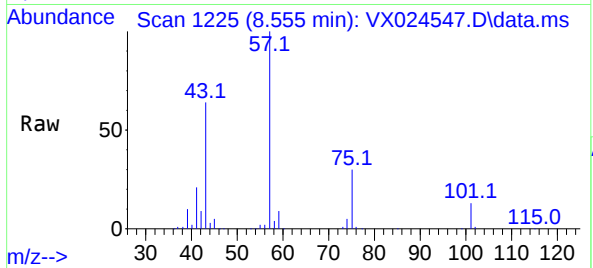




#54
 cis-1,3-Dichloropropene
 Concen: 10.849 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024547.D
 Acq: 05 Oct 2021 02:55

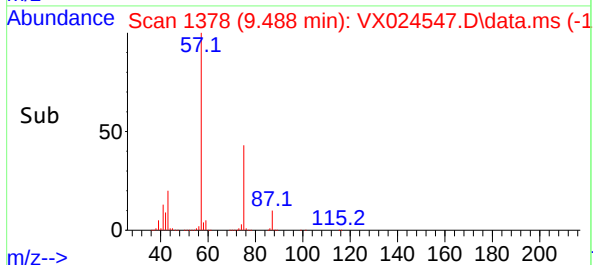
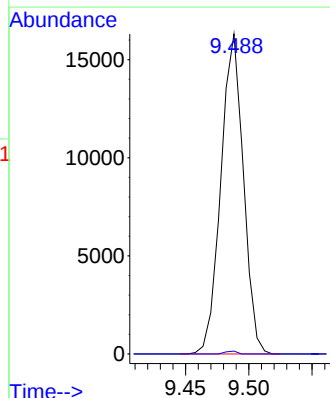
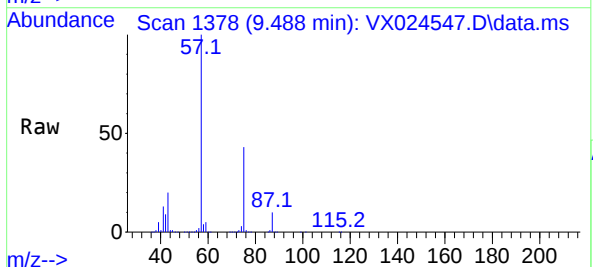
Instrument :
 MSVOA_X
 ClientSampleId :
 PB139556ZHE#04

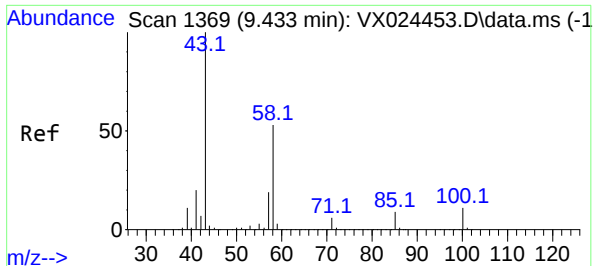
Tgt Ion: 75 Resp: 32626
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 34.0 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 6.078 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024547.D
 Acq: 05 Oct 2021 02:55

Tgt Ion: 76 Resp: 20161
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

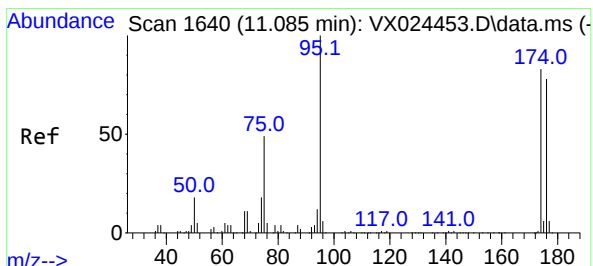
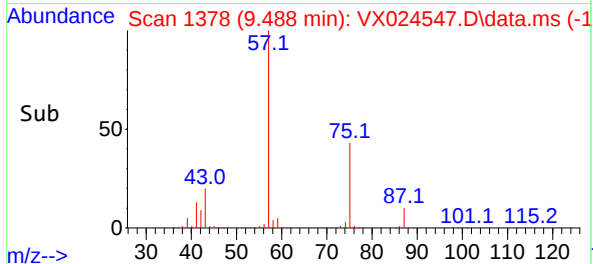
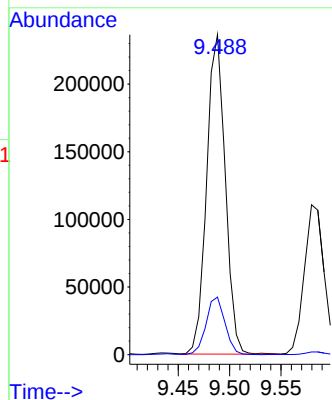
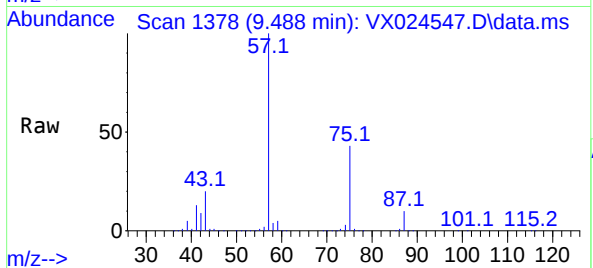




#59
2-Hexanone
Concen: 117.075 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

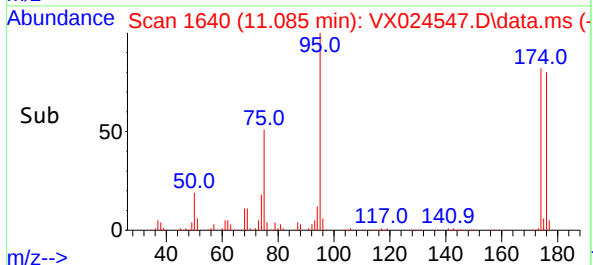
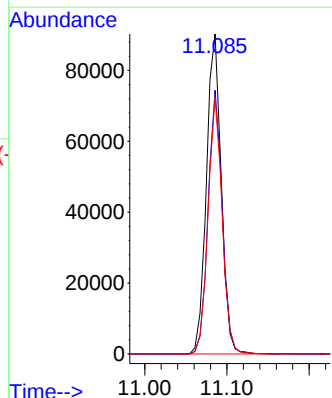
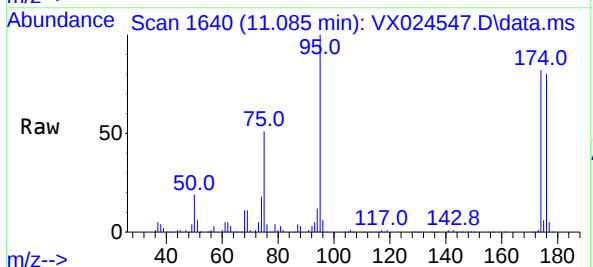
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

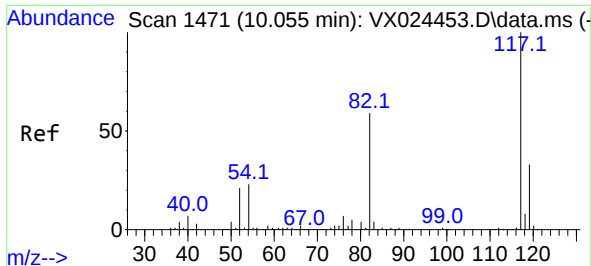
Tgt Ion: 43 Resp: 297353
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 43.661 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 95 Resp: 112691
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 76.4 0.0 155.8

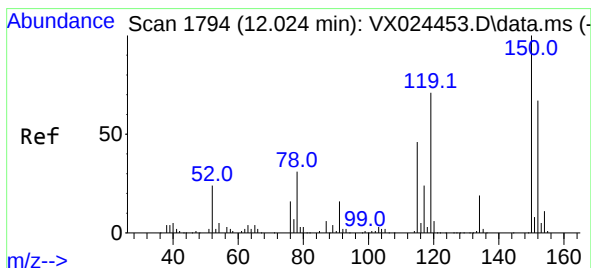
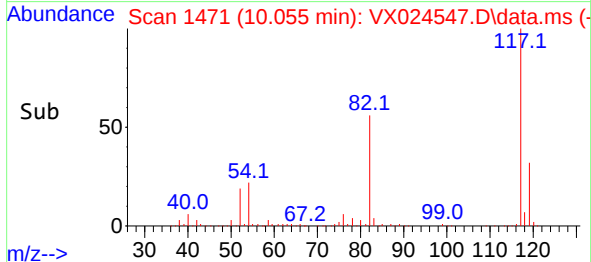
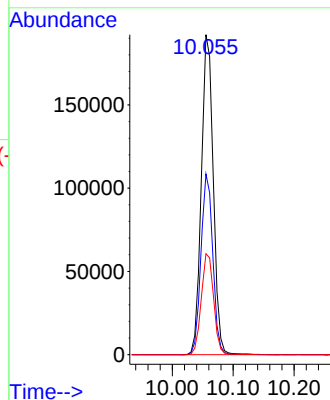
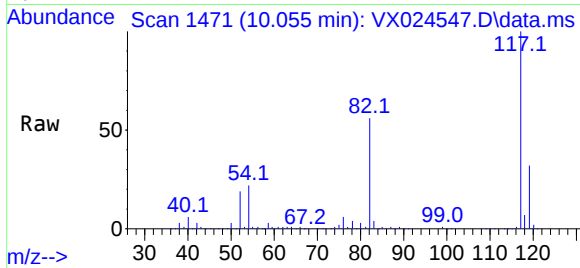




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

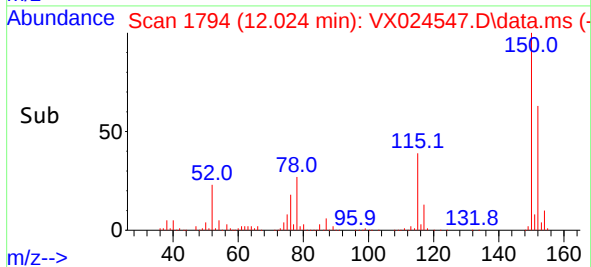
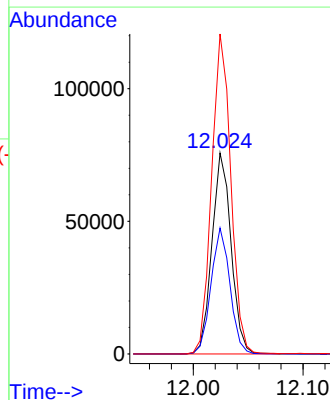
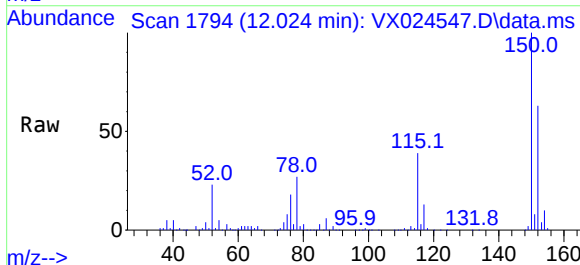
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

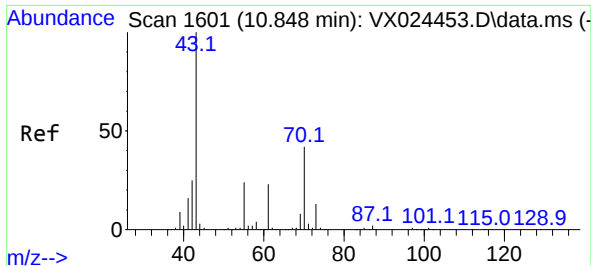
Tgt Ion:117 Resp: 261970
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion:152 Resp: 91903
Ion Ratio Lower Upper
152 100
115 62.1 41.1 123.3
150 159.5 0.0 349.0

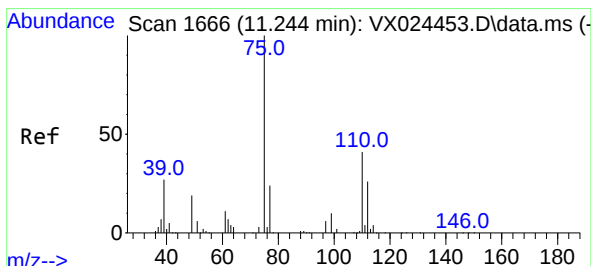
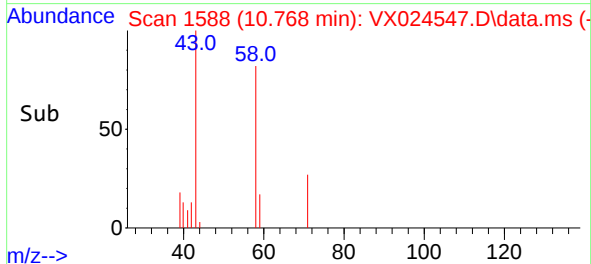
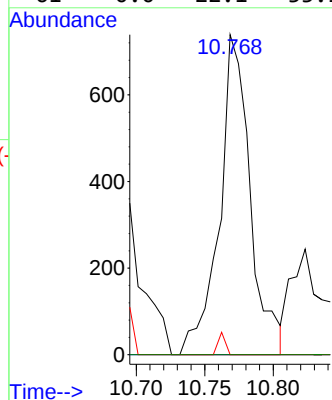
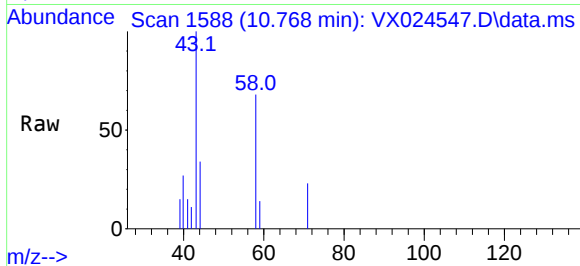




#74
N-amy1 acetate
Concen: 0.384 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

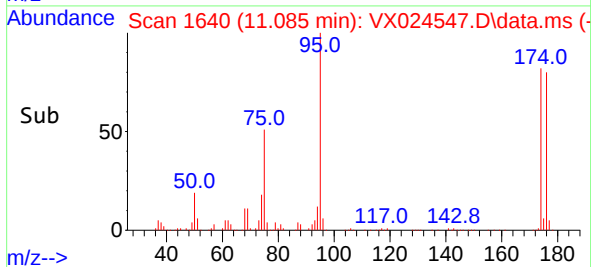
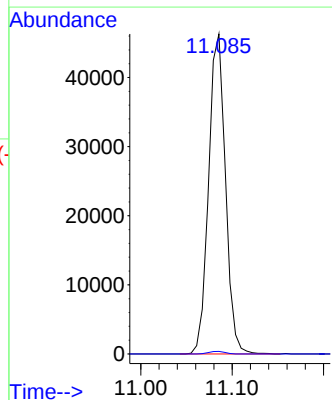
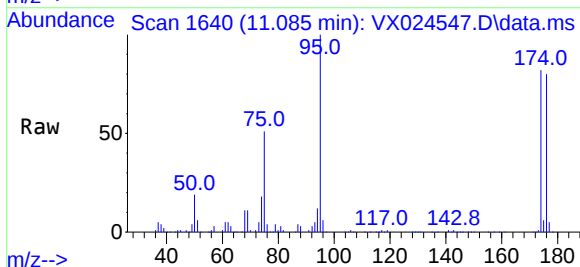
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

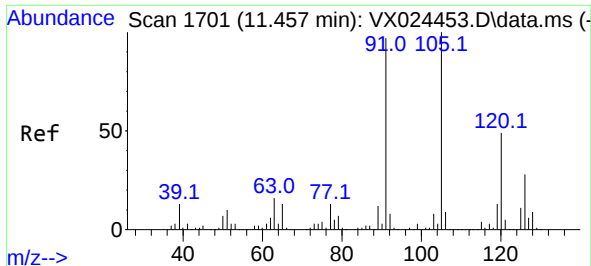
Tgt Ion:	43	Resp:	1149
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 28.441 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion:	75	Resp:	59358
Ion	Ratio	Lower	Upper
75	100		
77	0.8	19.1	57.5#

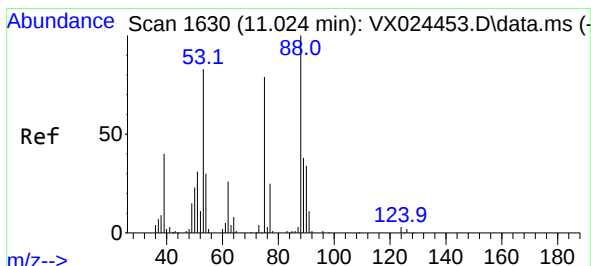
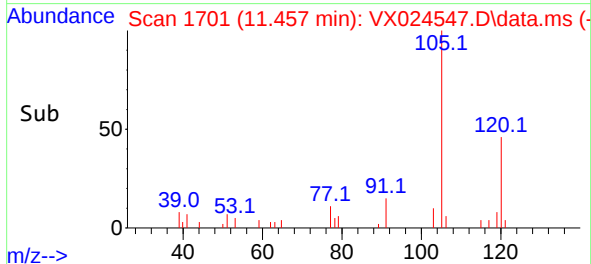
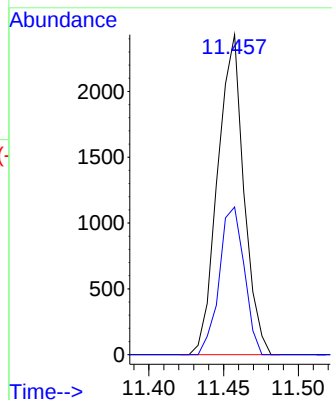
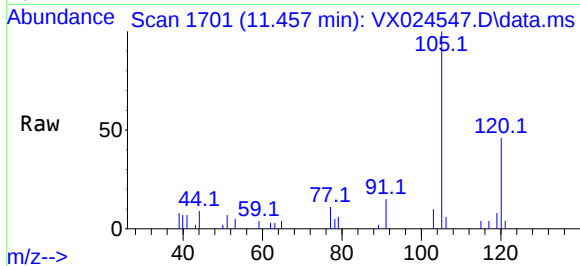




#80
1,3,5-Trimethylbenzene
Concen: 0.534 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#04

Tgt Ion:105 Resp: 2965
Ion Ratio Lower Upper
105 100
120 43.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 77.291 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024547.D
Acq: 05 Oct 2021 02:55

Tgt Ion: 75 Resp: 59358
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

