

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032321\
 Data File : VX021392.D
 Acq On : 23 Mar 2021 17:43
 Operator : JC/MD
 Sample : PB135291TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135291TB

Quant Time: Mar 24 01:58:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

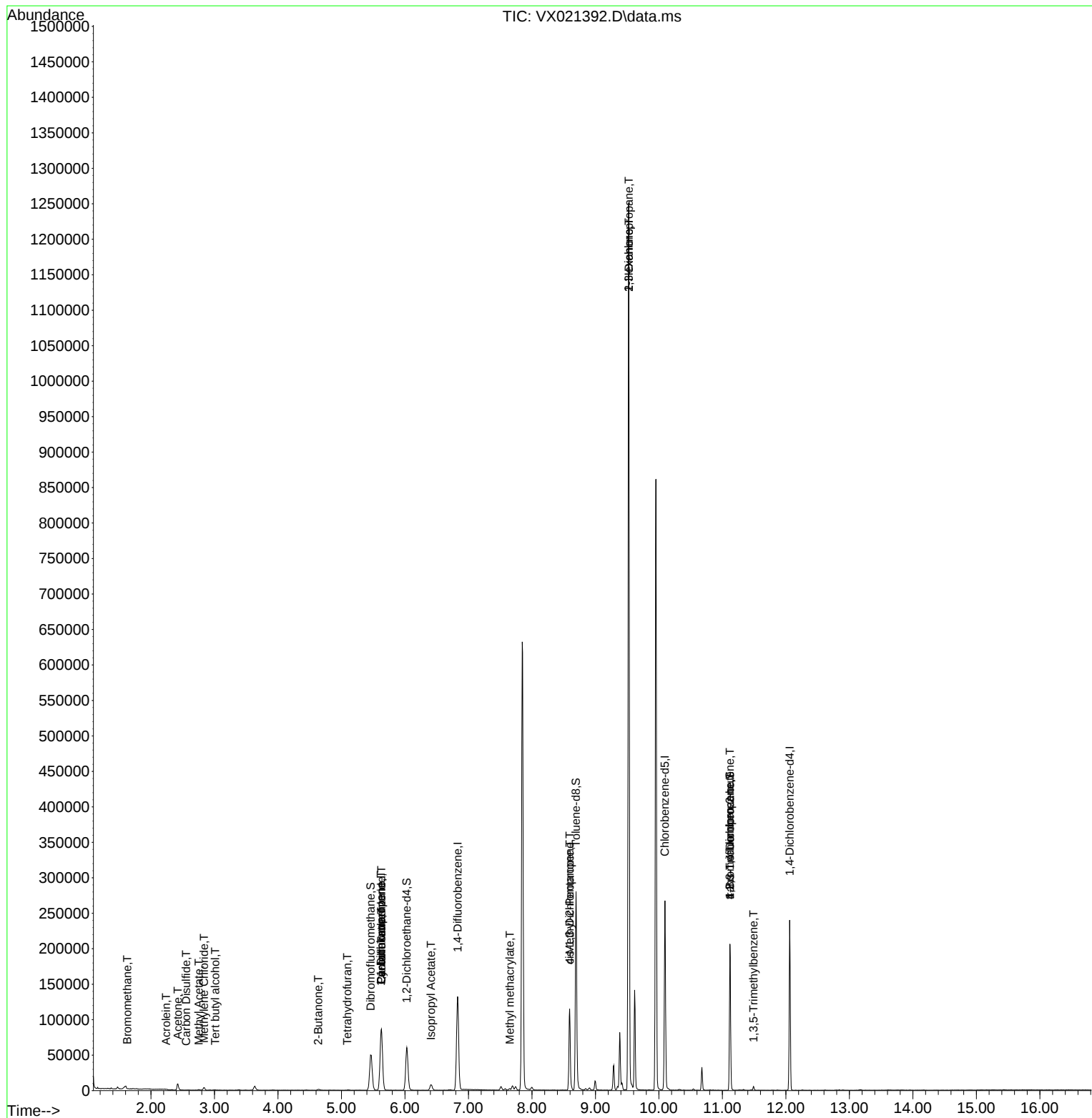
Internal Standards						
1) Pentafluorobenzene	5.629	168	74719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	123520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44250	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	59356	48.43	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.86%		
35) Dibromofluoromethane	5.458	113	41769	49.69	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.38%		
50) Toluene-d8	8.694	98	152908	50.14	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.28%		
62) 4-Bromofluorobenzene	11.118	95	52557	44.38	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.76%		
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	1197	Below Cal		99
5) Bromomethane	1.628	94	82	0.21 ug/l #		2
11) Tert butyl alcohol	3.011	59	319	1.55 ug/l #		73
13) Acrolein	2.240	56	38	3.43 ug/l #		1
16) Acetone	2.423	43	10013	22.21 ug/l		88
17) Carbon Disulfide	2.552	76	43	0.56 ug/l #		75
18) Methyl Acetate	2.752	43	896	0.73 ug/l #		74
20) Methylene Chloride	2.834	84	1527	1.65 ug/l		87
25) 2-Butanone	4.635	43	1807	2.61 ug/l #		72
29) Tetrahydrofuran	5.094	42	290	0.63 ug/l #		39
31) Cyclohexane	5.629	56	2045	1.38 ug/l #		37
36) 1,1-Dichloropropene	5.623	75	6774	5.44 ug/l #		49
38) Carbon Tetrachloride	5.629	117	8119	6.28 ug/l #		17
43) Isopropyl Acetate	6.411	43	10380	4.39 ug/l #		90
48) Methyl methacrylate	7.653	41	2625	2.09 ug/l #		10
49) 1,4-Dioxane	7.853	88	60	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.594	43	40609	29.51 ug/l #		44
54) cis-1,3-Dichloropropene	8.594	75	16210	10.58 ug/l #		74
57) 1,3-Dichloropropane	9.524	76	10006	6.63 ug/l #		42
59) 2-Hexanone	9.524	43	154729	150.24 ug/l #		42
76) 1,2,3-Trichloropropane	11.118	75	29155	28.40 ug/l #		38
80) 1,3,5-Trimethylbenzene	11.489	105	2096	0.75 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.118	75	29155	77.11 ug/l #		12

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

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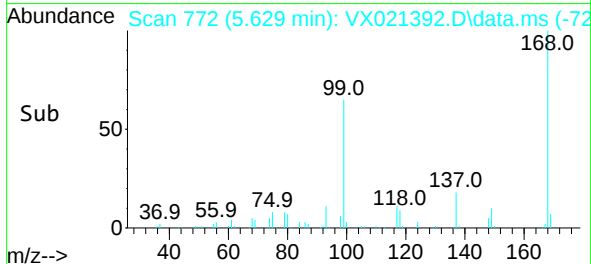
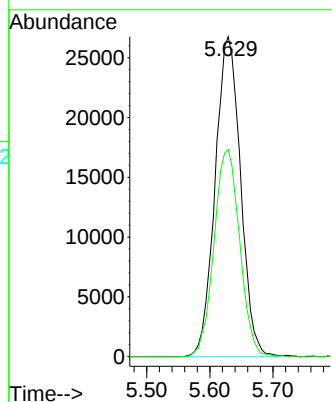
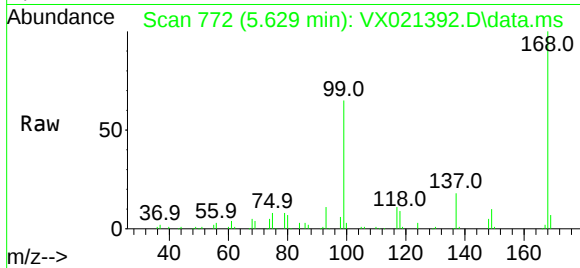




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

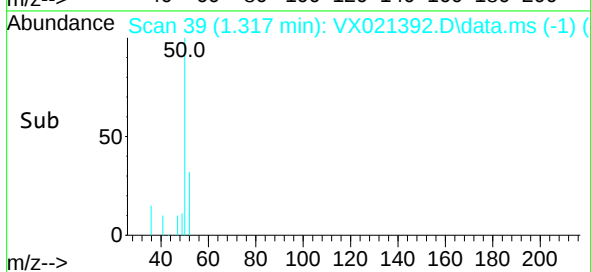
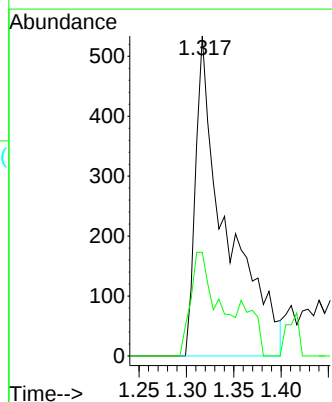
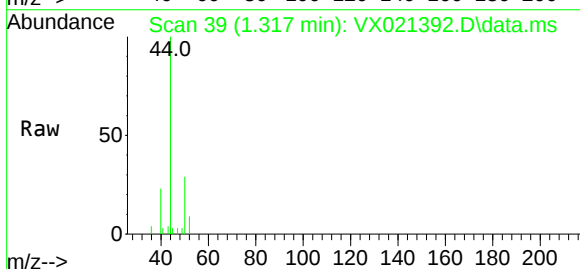
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

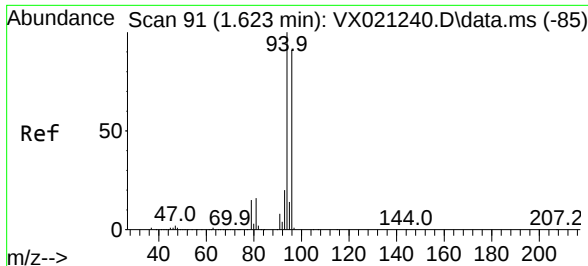
Tgt Ion:168 Resp: 74719
Ion Ratio Lower Upper
168 100
99 64.7 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 50 Resp: 1197
Ion Ratio Lower Upper
50 100
52 32.4 26.4 39.6

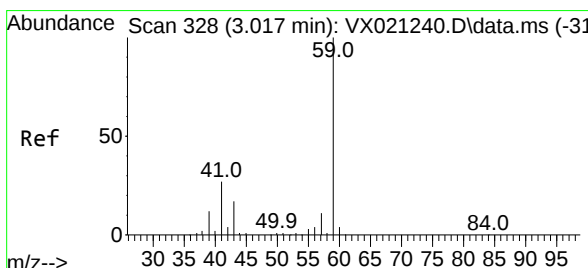
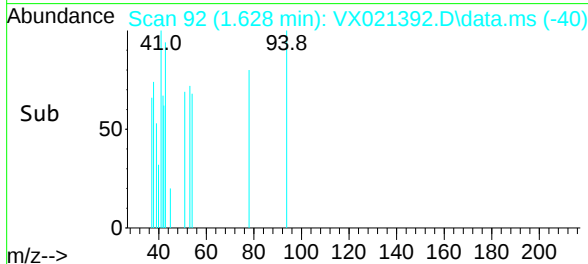
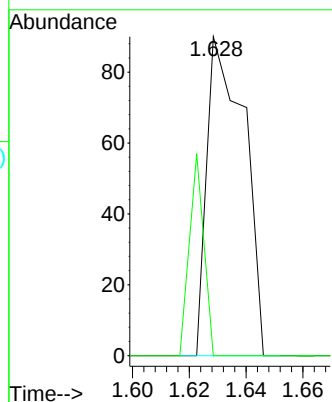
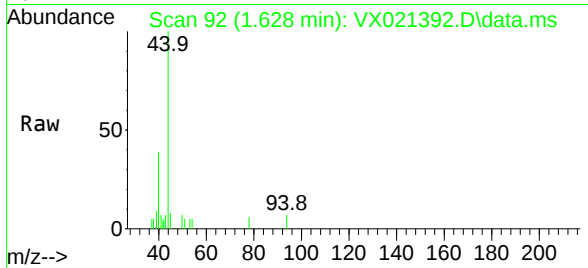




#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

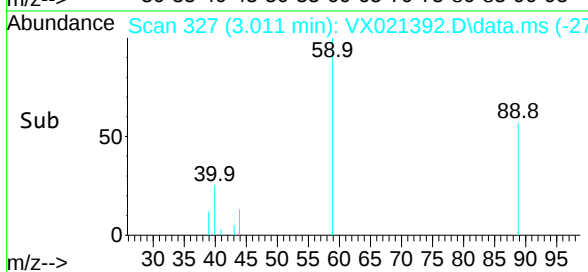
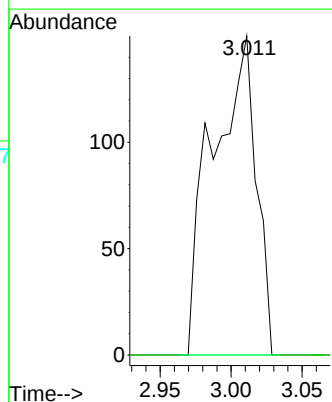
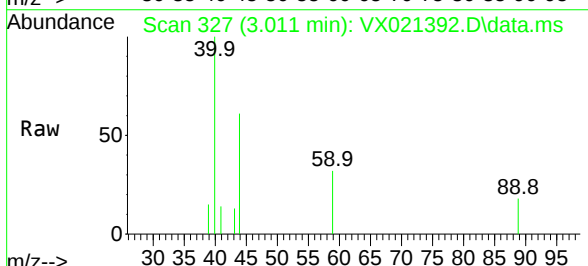
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

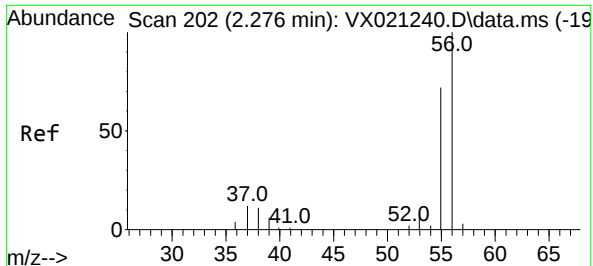
Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#11
Tert butyl alcohol
Concen: 1.55 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

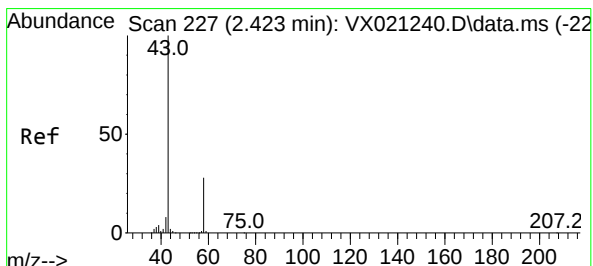
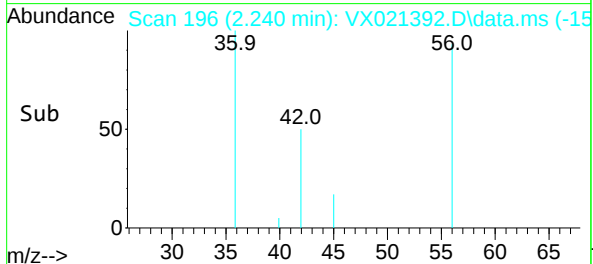
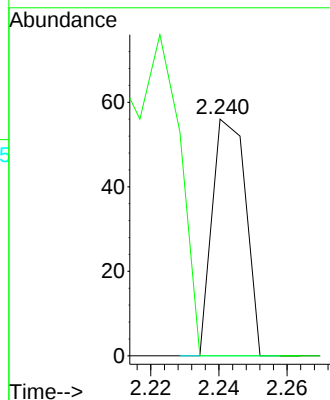
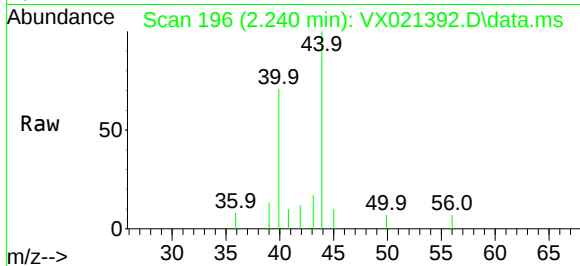




#13
Acrolein
Concen: 3.43 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.036 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

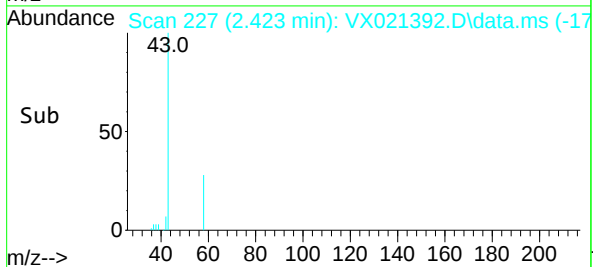
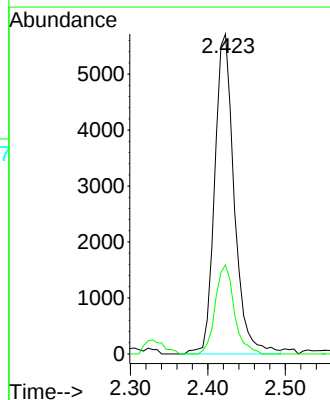
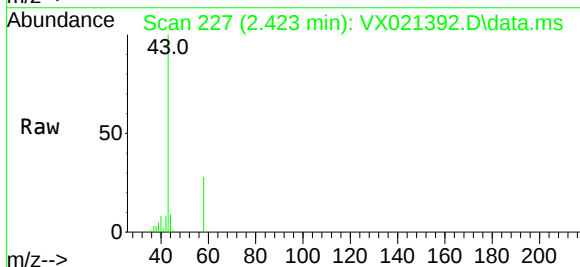
Instrument :
MSVOA_X
ClientSampled :
PB135291TB

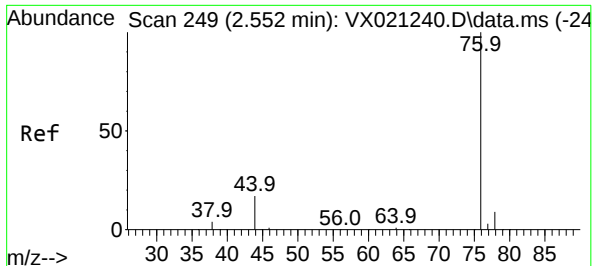
Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 352.6 56.4 84.6#



#16
Acetone
Concen: 22.21 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 43 Resp: 10013
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8

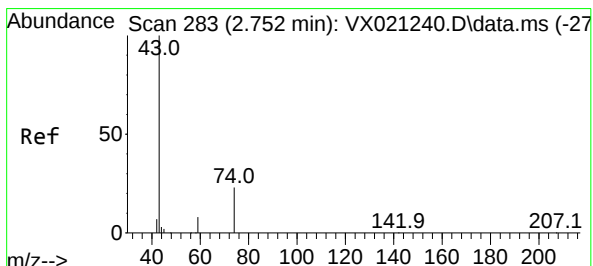
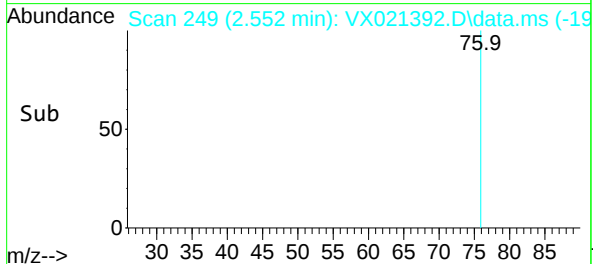
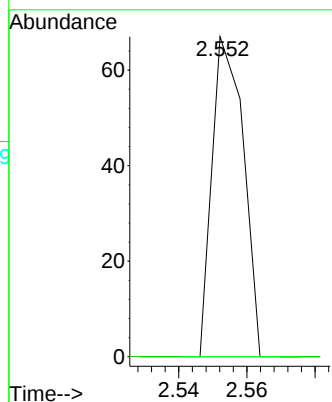
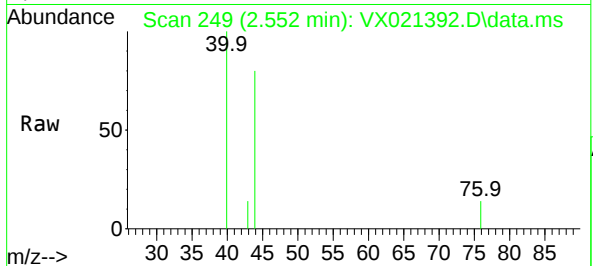




#17
Carbon Disulfide
Concen: 0.56 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

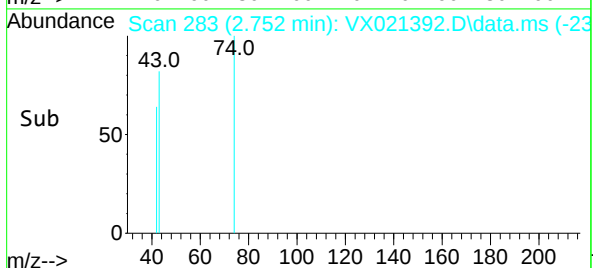
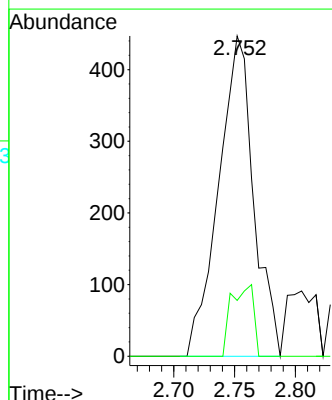
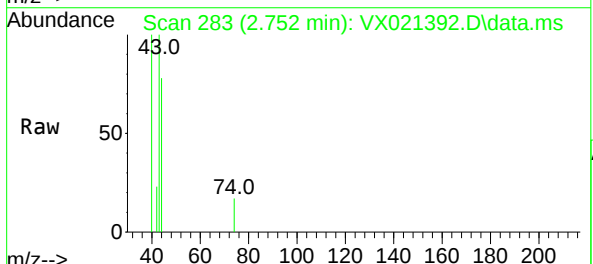
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

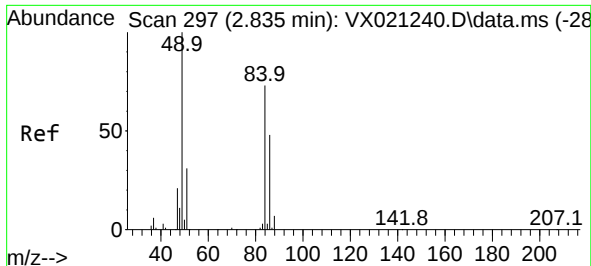
Tgt Ion: 76 Resp: 43
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.73 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
74 14.1 21.9 32.9#





#20

Methylene Chloride

Concen: 1.65 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021392.D

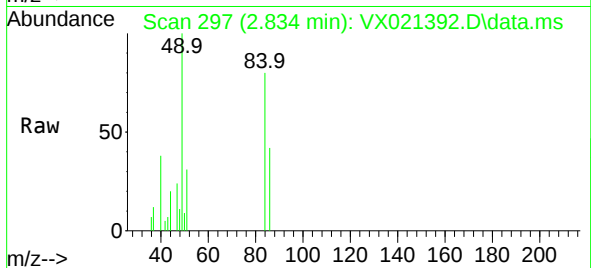
Acq: 23 Mar 2021 17:43

Instrument :

MSVOA_X

ClientSampleId :

PB135291TB



Tgt Ion: 84 Resp: 1527

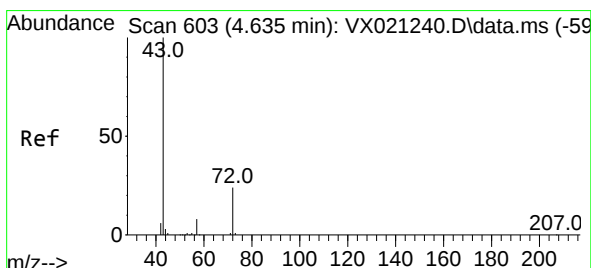
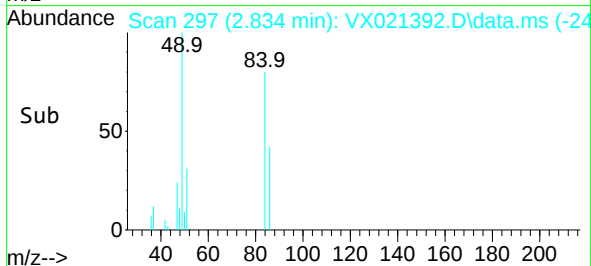
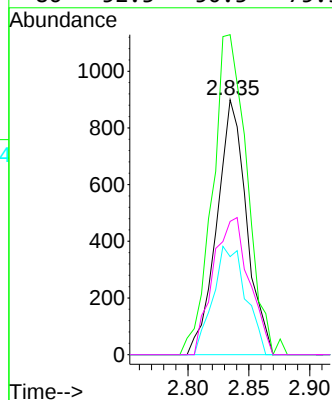
Ion Ratio Lower Upper

84 100

49 125.6 88.6 132.8

51 38.5 27.0 40.6

86 52.3 50.3 75.5



#25

2-Butanone

Concen: 2.61 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021392.D

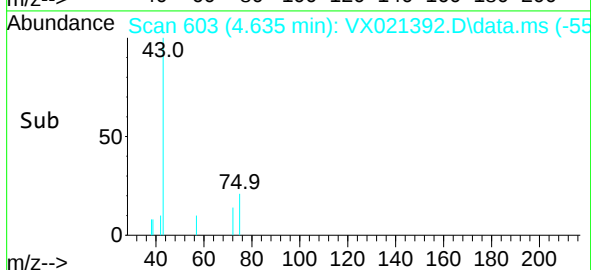
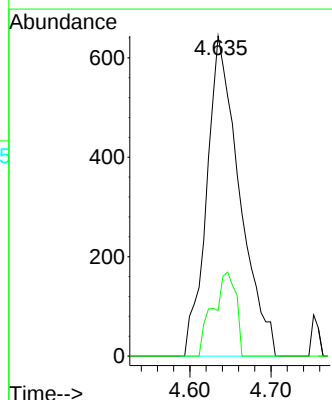
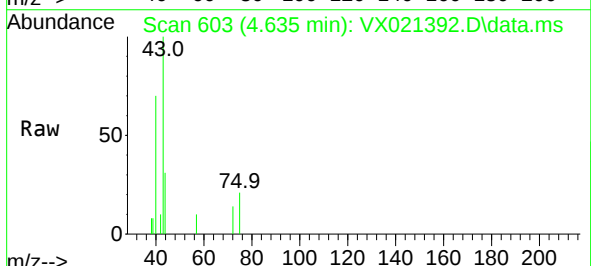
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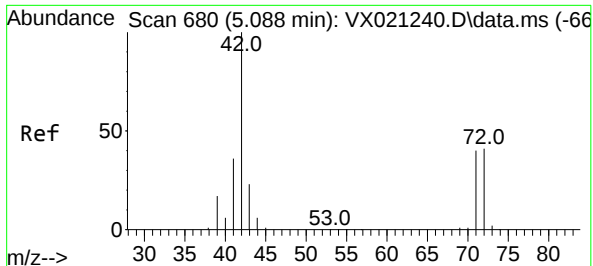
Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

72 14.3 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.094 min Scan# 681

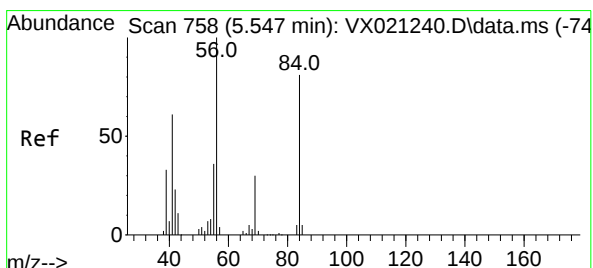
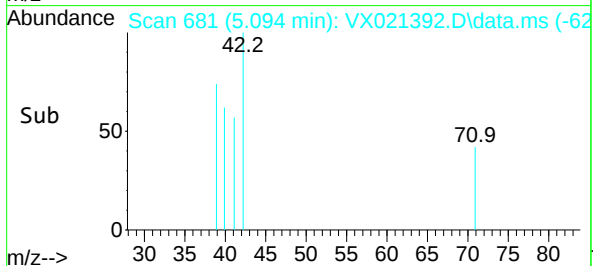
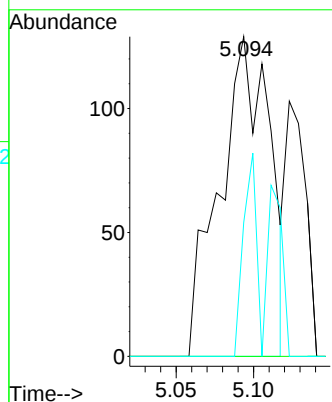
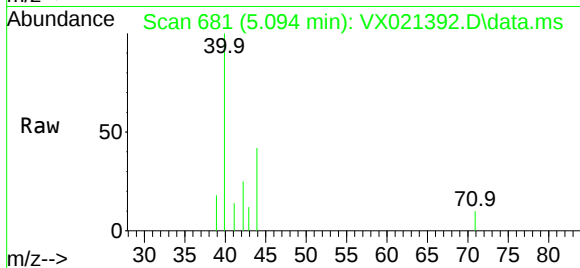
Delta R.T. 0.006 min

Lab File: VX021392.D

Acq: 23 Mar 2021 17:43

Tgt Ion:	42	Resp:	290
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	16.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
PB135291TB



#31

Cyclohexane

Concen: 1.38 ug/l

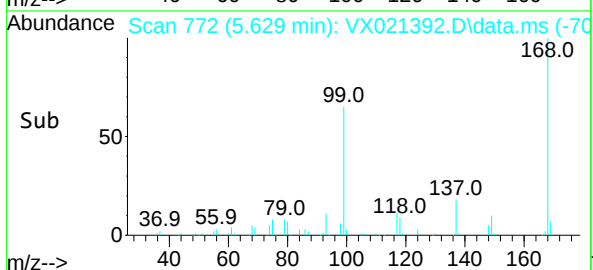
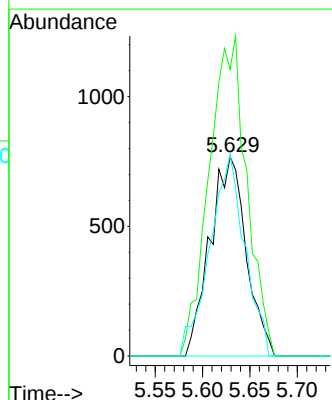
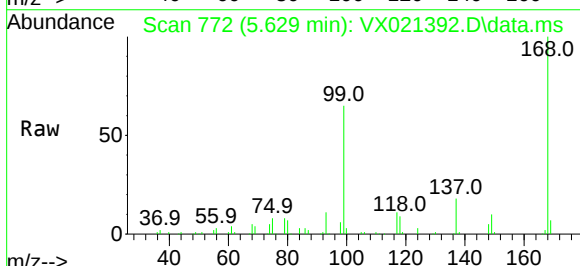
RT: 5.629 min Scan# 772

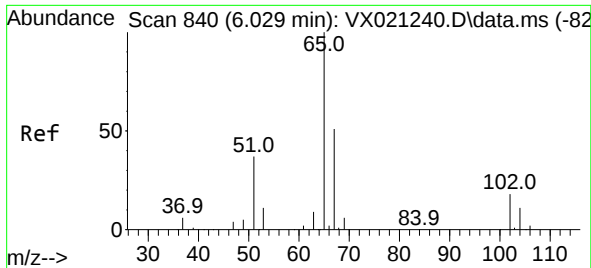
Delta R.T. 0.082 min

Lab File: VX021392.D

Acq: 23 Mar 2021 17:43

Tgt Ion:	56	Resp:	2045
Ion	Ratio	Lower	Upper
56	100		
69	143.9	25.3	37.9#
84	101.3	71.4	107.0

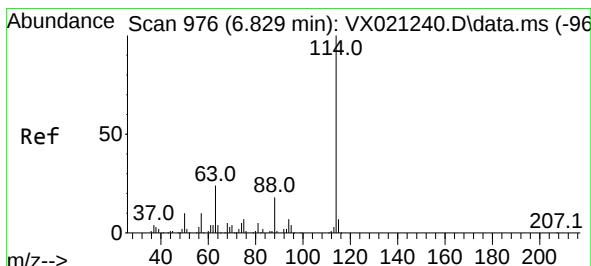
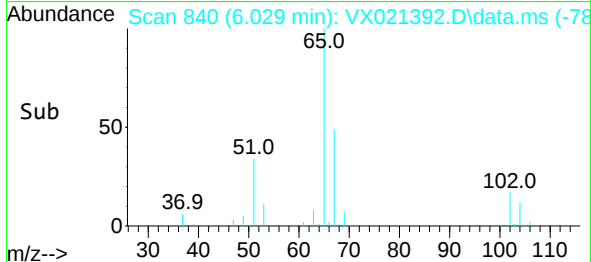
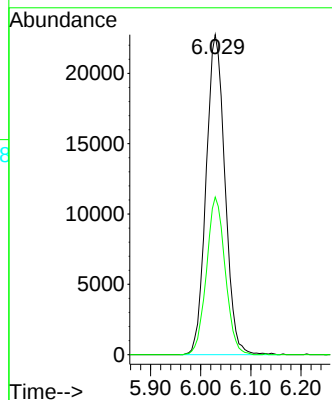
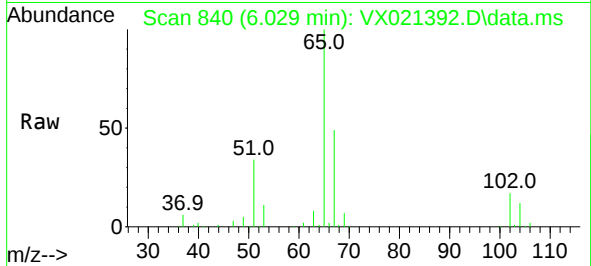




#33
 1,2-Dichloroethane-d4
 Concen: 48.43 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. 0.000 min
 Lab File: VX021392.D
 Acq: 23 Mar 2021 17:43

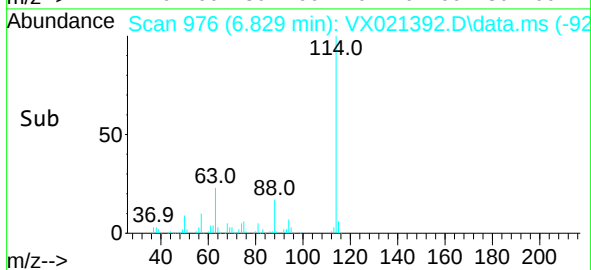
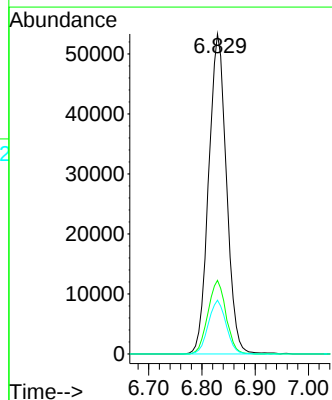
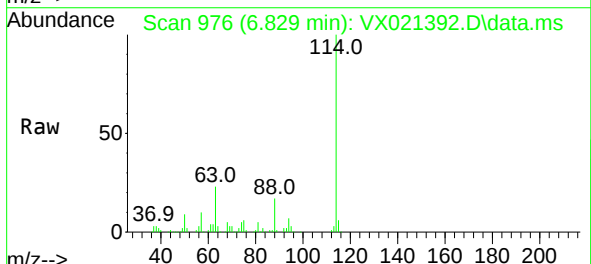
Instrument :
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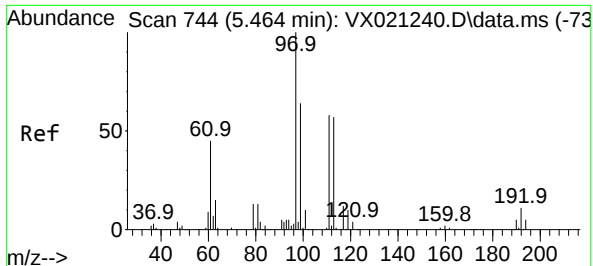
Tgt Ion: 65 Resp: 59356
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021392.D
 Acq: 23 Mar 2021 17:43

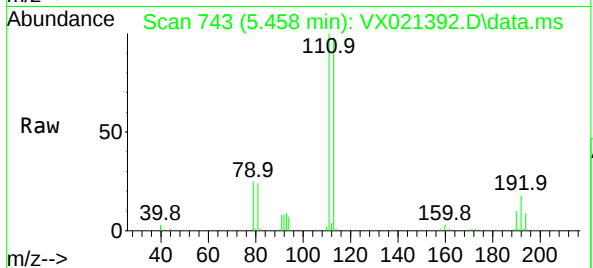
Tgt Ion: 114 Resp: 123520
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 40.8
 88 16.8 0.0 32.8



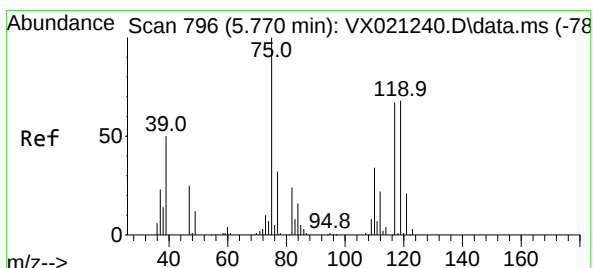
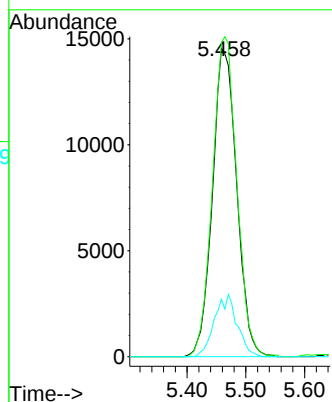
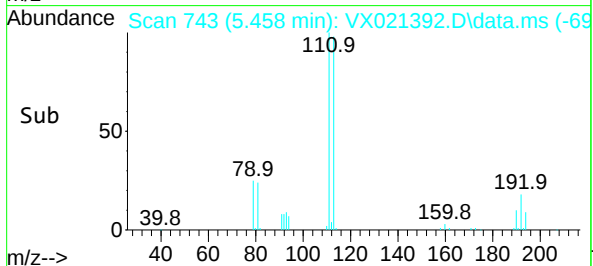


#35
Dibromofluoromethane
Concen: 49.69 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

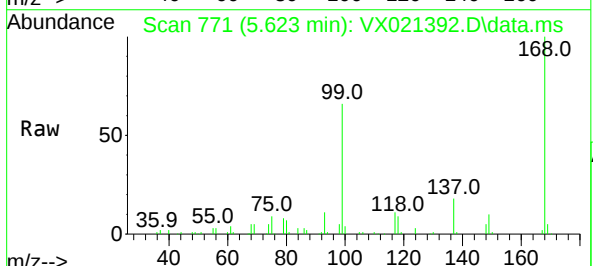
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB



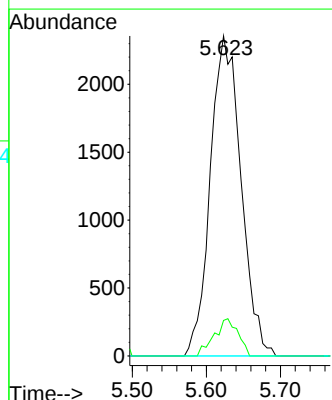
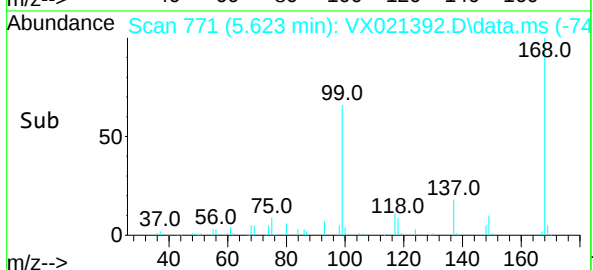
Tgt Ion:113 Resp: 41769
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 18.7 16.7 25.1

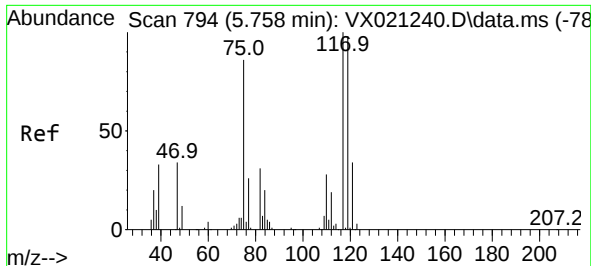


#36
1,1-Dichloropropene
Concen: 5.44 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43



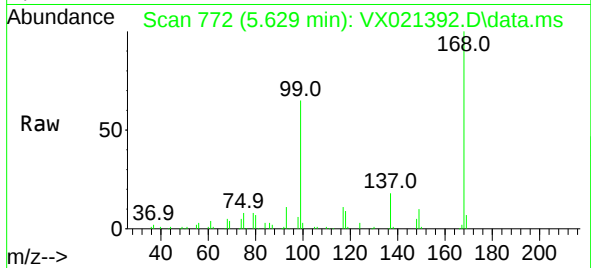
Tgt Ion: 75 Resp: 6774
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



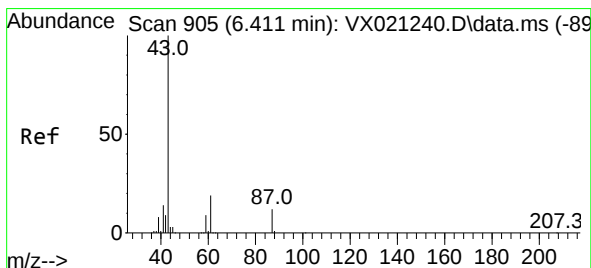
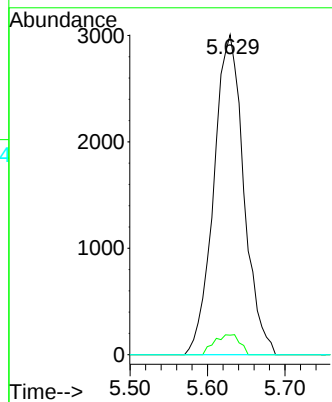
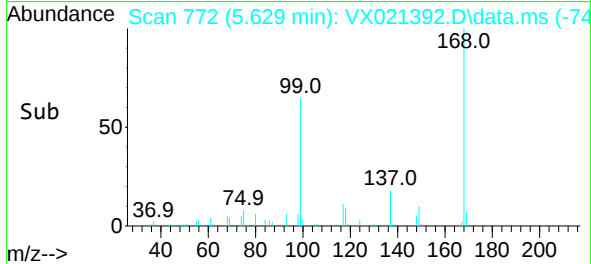


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

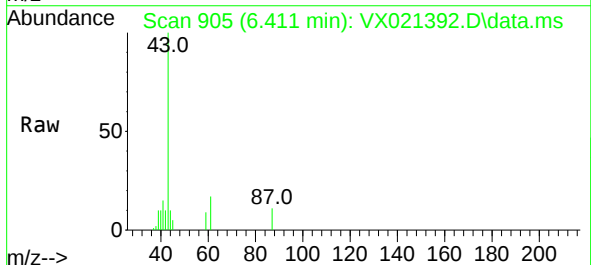
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB



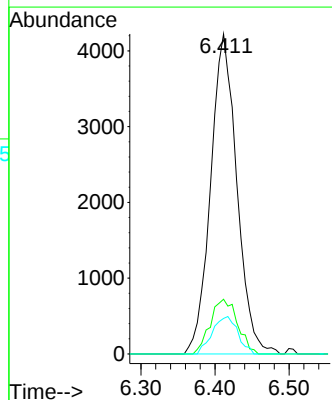
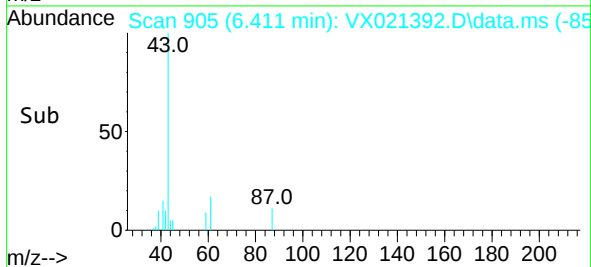
Tgt Ion: 117 Resp: 8119
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#

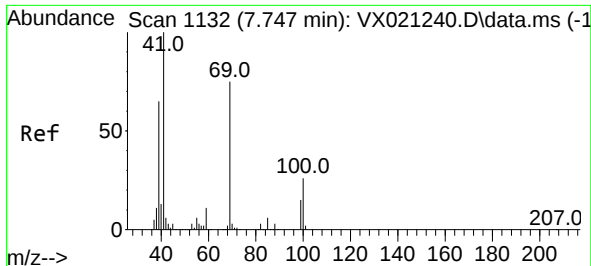


#43
Isopropyl Acetate
Concen: 4.39 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43



Tgt Ion: 43 Resp: 10380
Ion Ratio Lower Upper
43 100
61 17.8 18.2 27.4#
87 11.3 12.5 18.7#

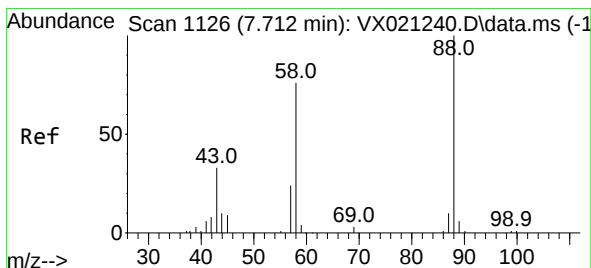
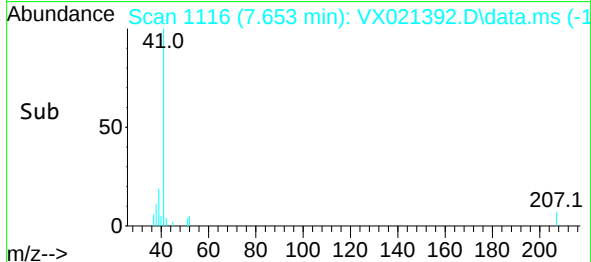
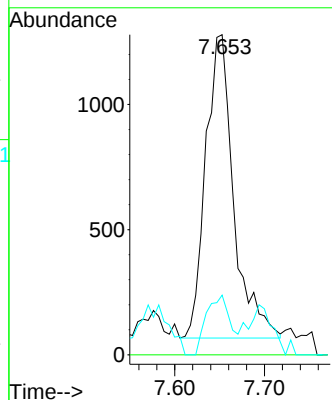
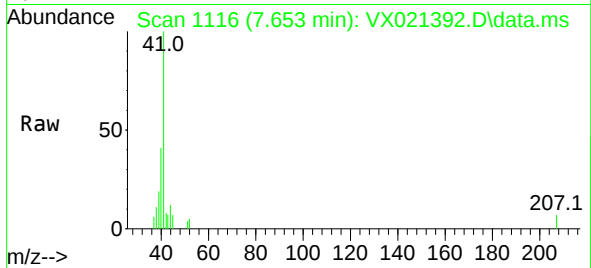




#48
Methyl methacrylate
Concen: 2.09 ug/l
RT: 7.653 min Scan# 1116
Delta R.T. -0.094 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

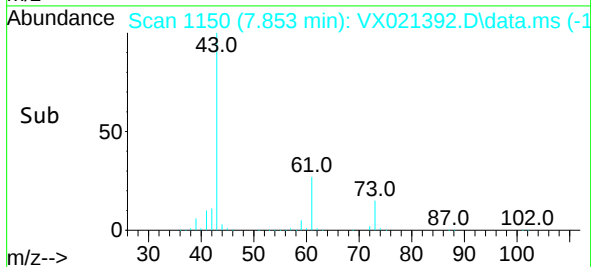
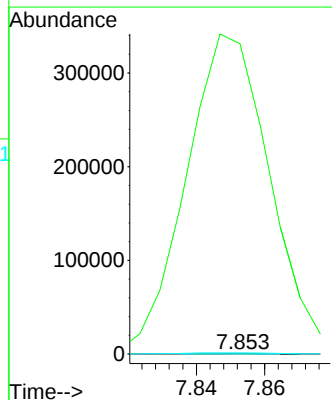
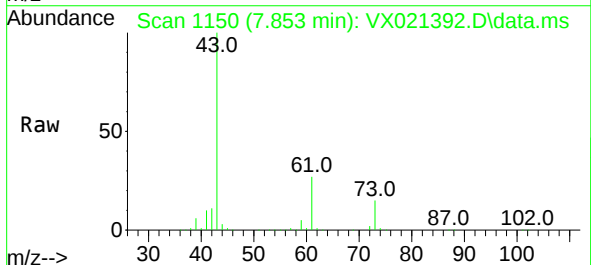
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

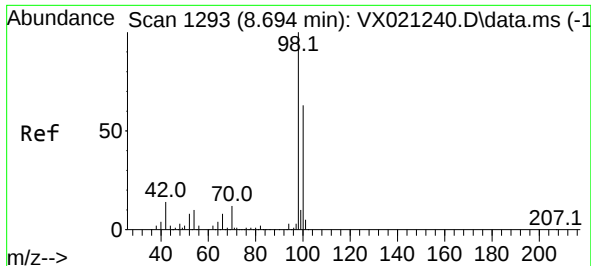
Tgt Ion: 41 Resp: 2625
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.853 min Scan# 1150
Delta R.T. 0.141 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 983201.7 23.2 34.8#
58 3985.0 55.0 82.4#

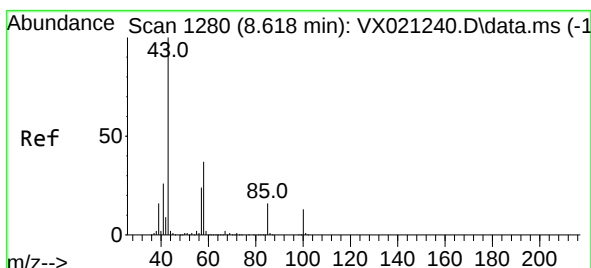
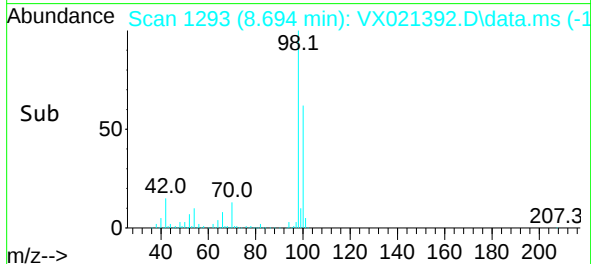
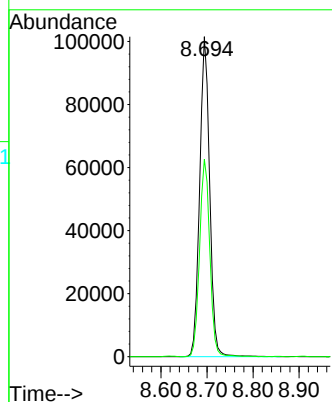
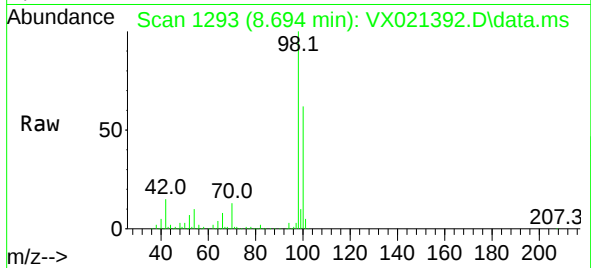




#50
Toluene-d8
Concen: 50.14 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

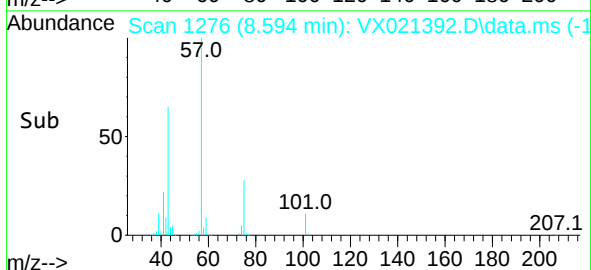
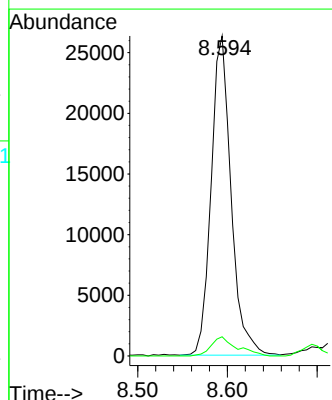
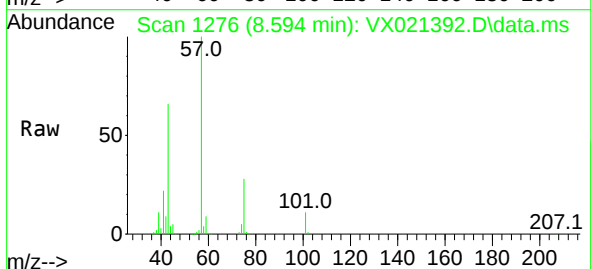
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

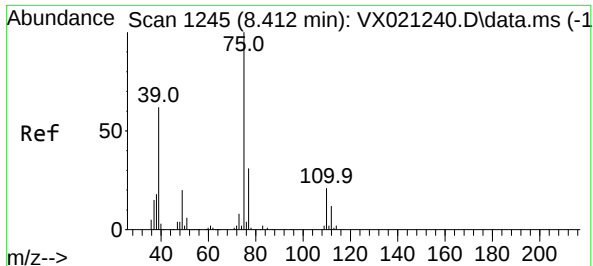
Tgt Ion: 98 Resp: 152908
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.51 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 43 Resp: 40609
Ion Ratio Lower Upper
43 100
58 7.7 35.4 53.0#

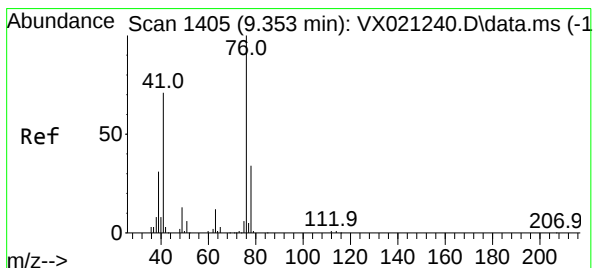
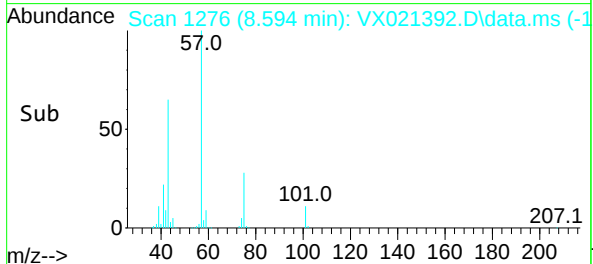
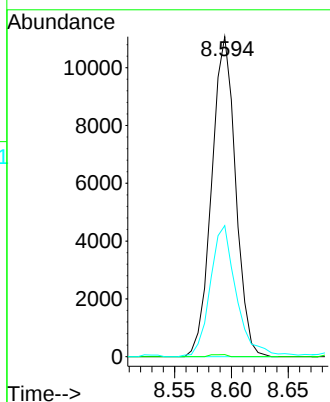
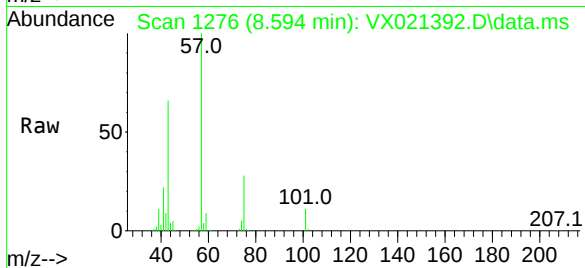




#54
cis-1,3-Dichloropropene
Concen: 10.58 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

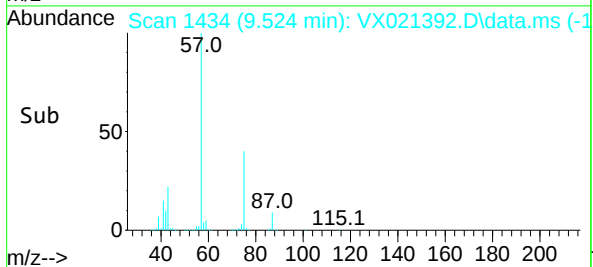
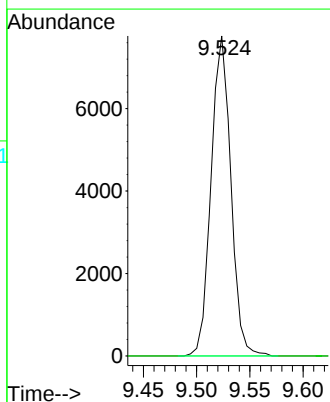
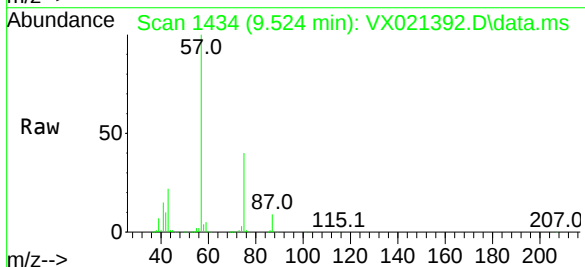
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

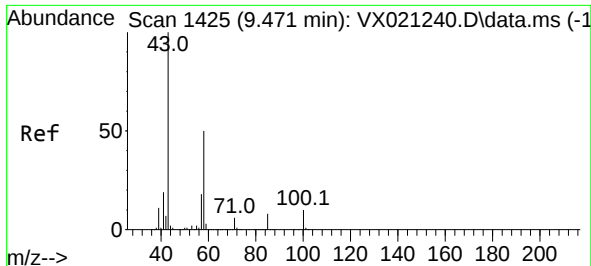
Tgt Ion: 75 Resp: 16210
Ion Ratio Lower Upper
75 100
77 0.7 25.7 38.5#
39 41.0 35.1 52.7



#57
1,3-Dichloropropane
Concen: 6.63 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.171 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 76 Resp: 10006
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

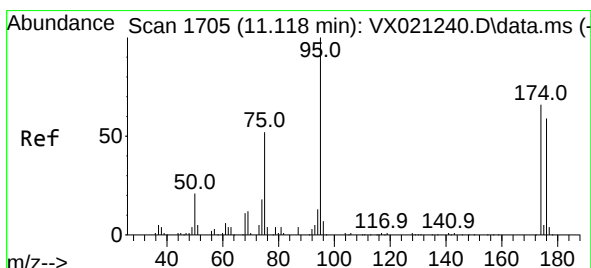
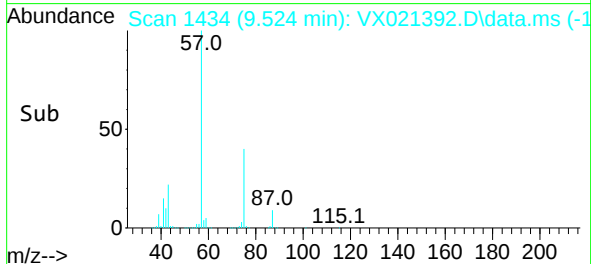
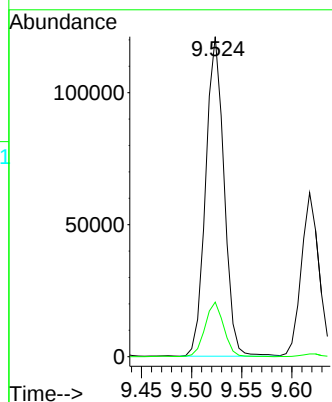
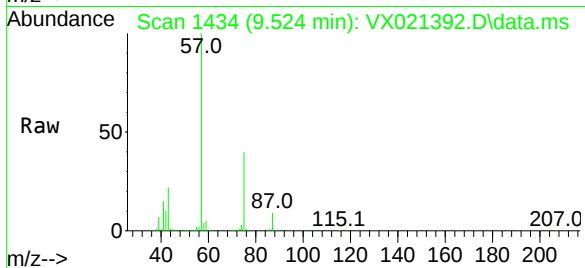




#59
2-Hexanone
Concen: 150.24 ug/l
RT: 9.524 min Scan# 1434
Delta R.T. 0.053 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

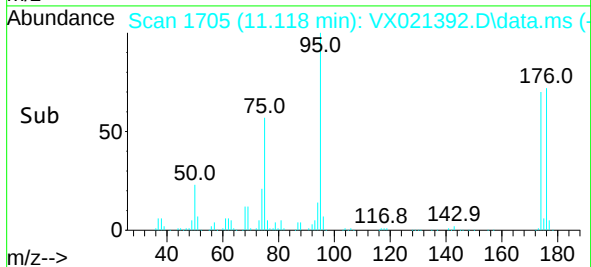
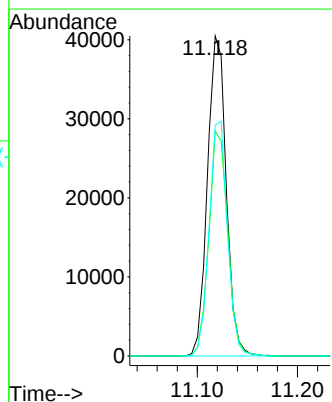
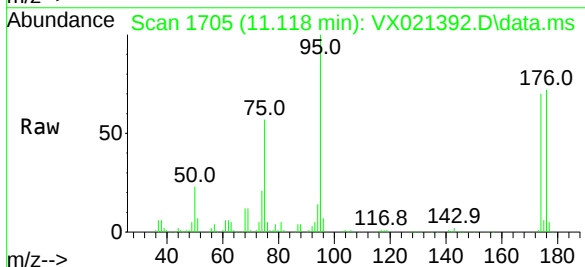
Instrument :
MSVOA_X
ClientSampled :
PB135291TB

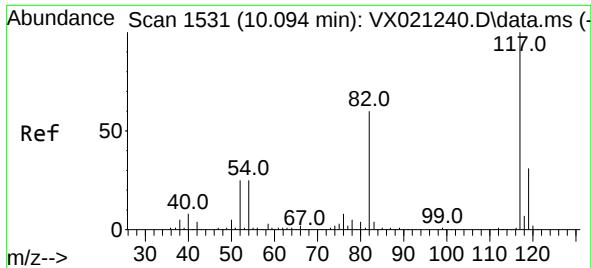
Tgt Ion: 43 Resp: 154729
Ion Ratio Lower Upper
43 100
58 17.4 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.38 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion: 95 Resp: 52557
Ion Ratio Lower Upper
95 100
174 70.9 0.0 154.6
176 71.8 0.0 155.8

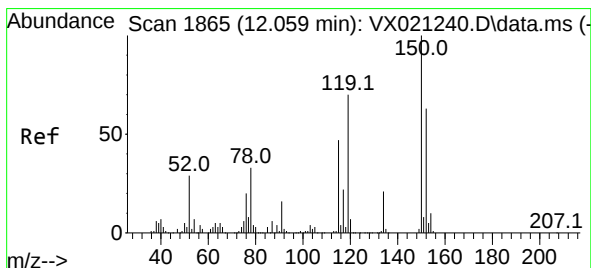
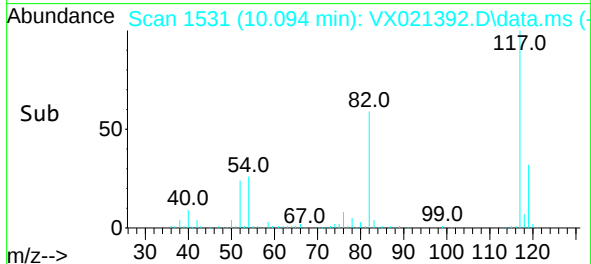
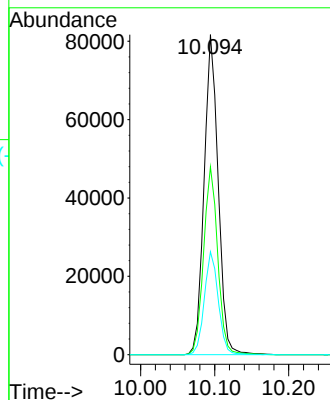
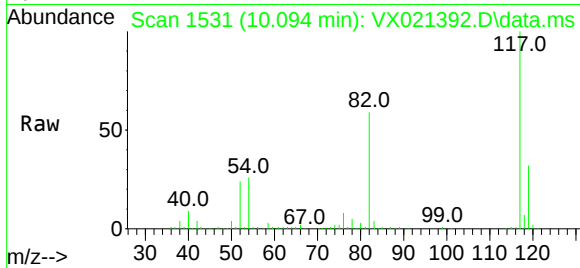




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

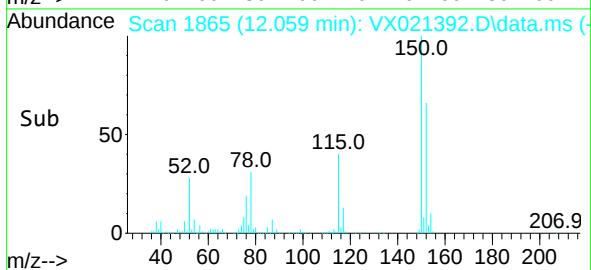
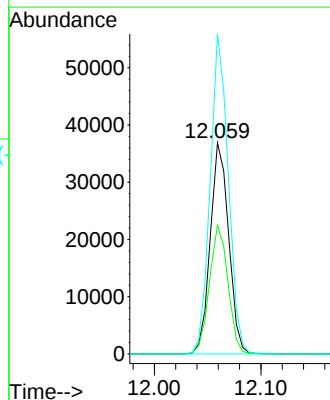
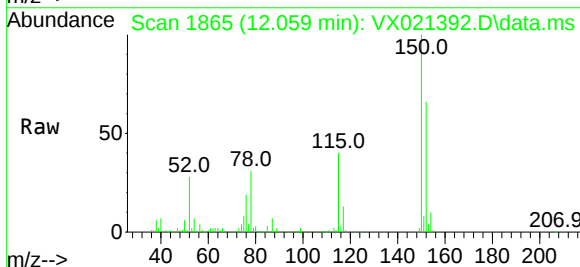
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

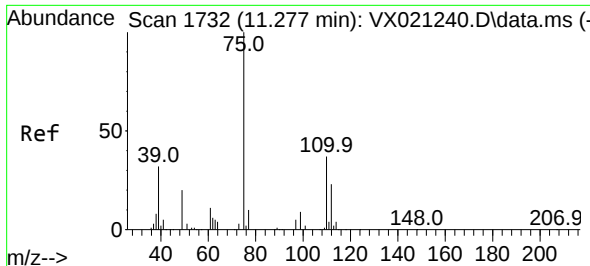
Tgt Ion:117 Resp: 108108
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

Tgt Ion:152 Resp: 44250
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 148.9 0.0 349.0

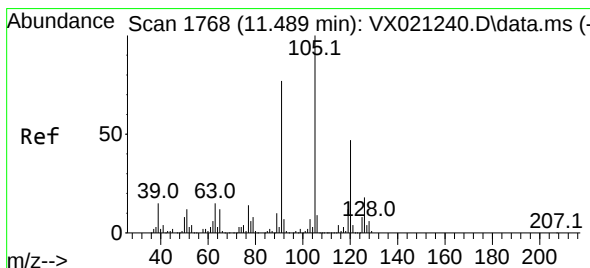
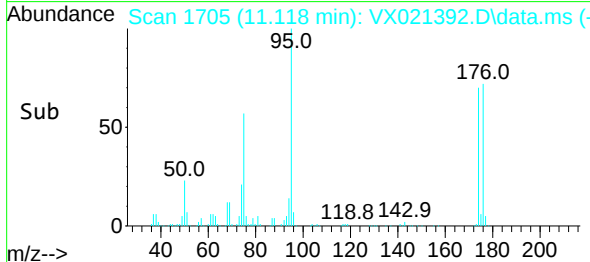
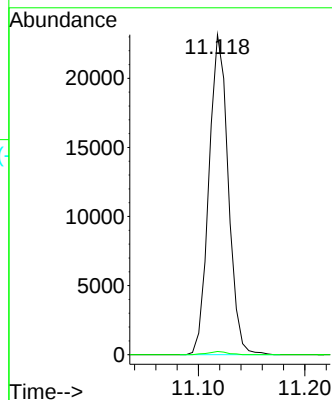
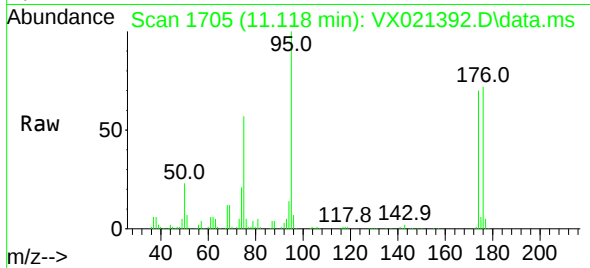




#76
1,2,3-Trichloropropane
Concen: 28.40 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

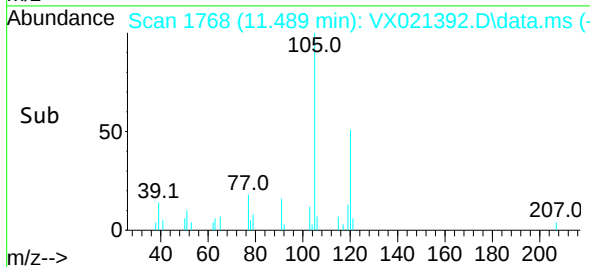
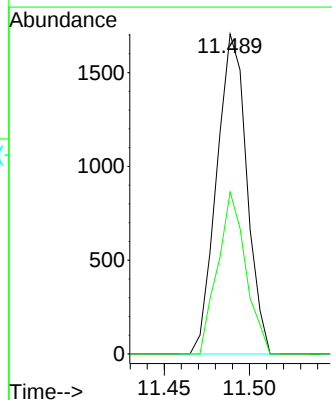
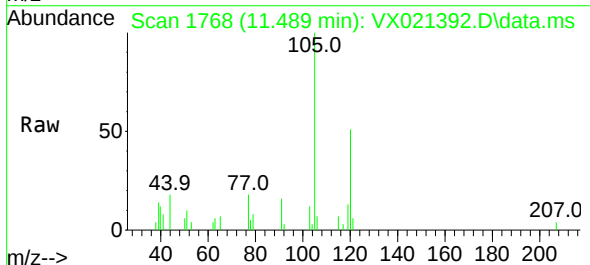
Instrument :
MSVOA_X
ClientSampleId :
PB135291TB

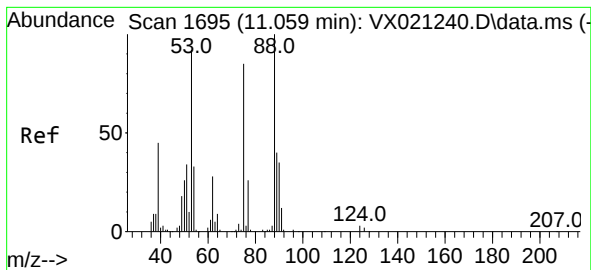
Tgt Ion: 75 Resp: 29155
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.75 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021392.D
Acq: 23 Mar 2021 17:43

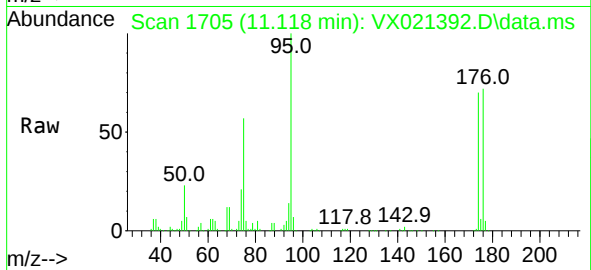
Tgt Ion: 105 Resp: 2096
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.11 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021392.D
 Acq: 23 Mar 2021 17:43

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135291TB



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

