

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021770.D
 Acq On : 20 Apr 2021 21:49
 Operator : JC/MD
 Sample : PB135856ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB135856ZHE#04

Quant Time: Apr 21 11:25:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

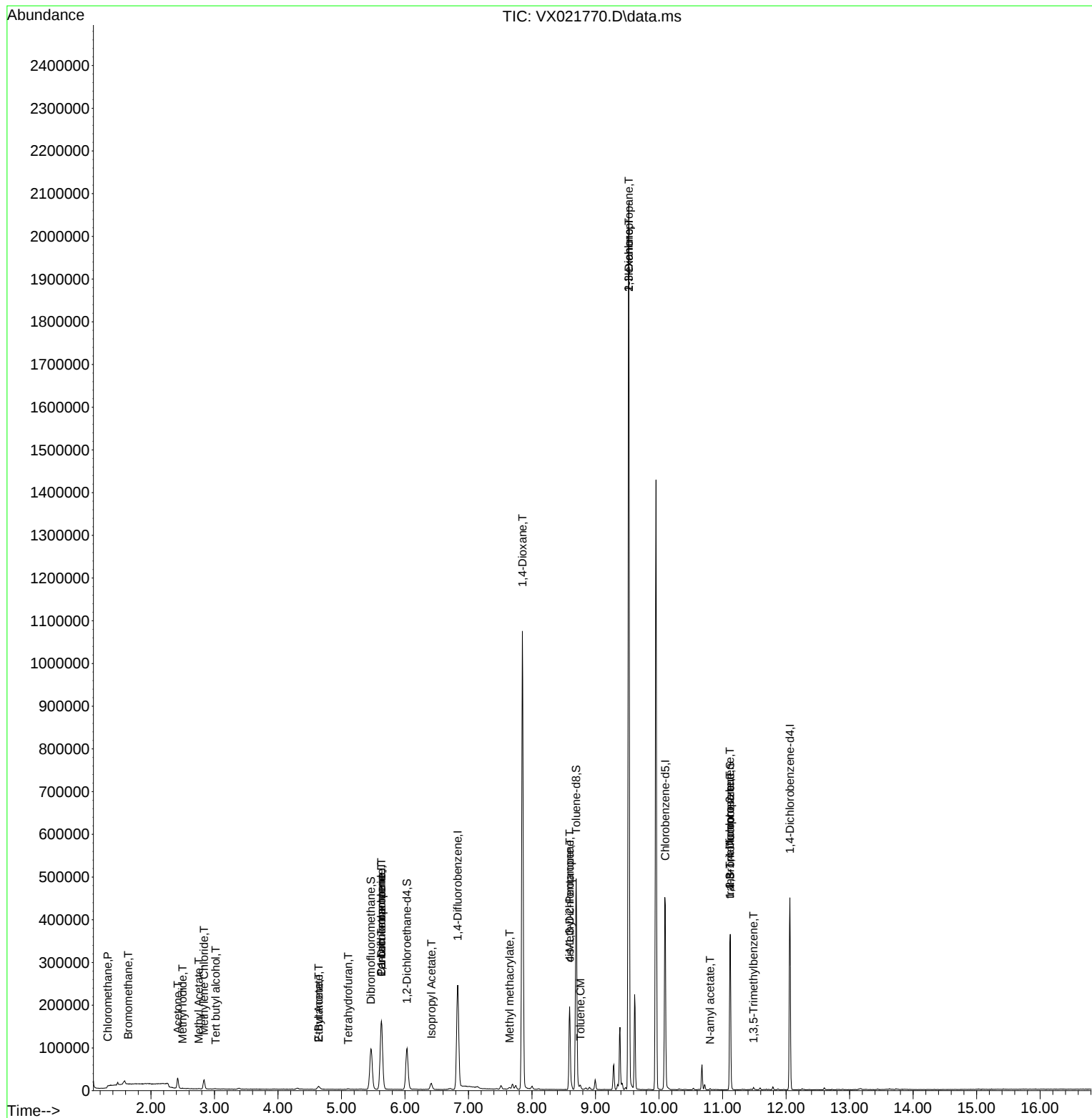
Internal Standards						
1) Pentafluorobenzene	5.629	168	159937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	265459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	228664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	96740	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	89538	49.35	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.70%		
35) Dibromofluoromethane	5.464	113	84303	49.66	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.32%		
50) Toluene-d8	8.696	98	312421	47.86	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.72%		
62) 4-Bromofluorobenzene	11.122	95	104081	42.70	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.40%		
Target Compounds					Qvalue	
3) Chloromethane	1.319	50	3270	1.91	ug/l	91
5) Bromomethane	1.642	94	366	0.46	ug/l #	73
10) Methyl Iodide	2.495	142	234	8.31	ug/l #	42
11) Tert butyl alcohol	3.020	59	1344	3.38	ug/l #	63
16) Acetone	2.422	43	25326	40.60	ug/l	98
18) Methyl Acetate	2.752	43	1123	0.66	ug/l	96
20) Methylene Chloride	2.837	84	10528	5.63	ug/l	96
25) 2-Butanone	4.641	43	10444	9.89	ug/l	92
29) Tetrahydrofuran	5.105	42	864	1.26	ug/l #	84
36) 1,1-Dichloropropene	5.629	75	10808	4.61	ug/l #	50
37) Ethyl Acetate	4.641	43	10444	4.74	ug/l #	64
38) Carbon Tetrachloride	5.629	117	14767	5.76	ug/l #	16
43) Isopropyl Acetate	6.415	43	18082	4.69	ug/l	99
48) Methyl methacrylate	7.647	41	5052	2.69	ug/l #	11
49) 1,4-Dioxane	7.848	88	167	3.78	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	63744	28.86	ug/l #	49
52) Toluene	8.763	92	1889	0.42	ug/l	91
54) cis-1,3-Dichloropropene	8.592	75	34412	11.06	ug/l #	54
57) 1,3-Dichloropropane	9.525	76	19222	6.43	ug/l #	43
59) 2-Hexanone	9.525	43	223766	135.17	ug/l #	47
74) N-amyl acetate	10.805	43	1429	0.55	ug/l #	49
76) 1,2,3-Trichloropropane	11.116	75	47604	24.81	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2363	0.41	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.116	75	47604	57.06	ug/l #	12

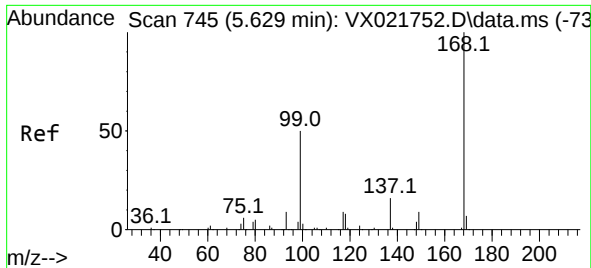
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 20 13:46:22 2021
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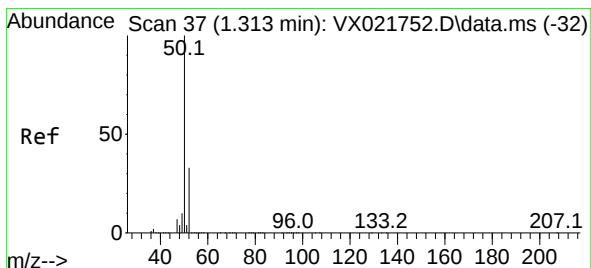
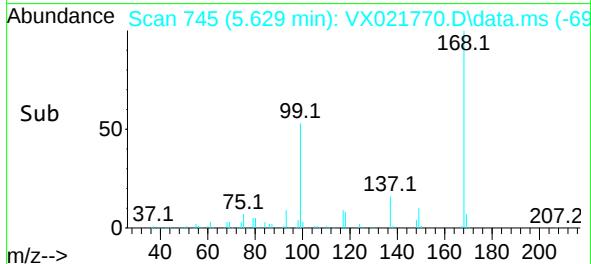
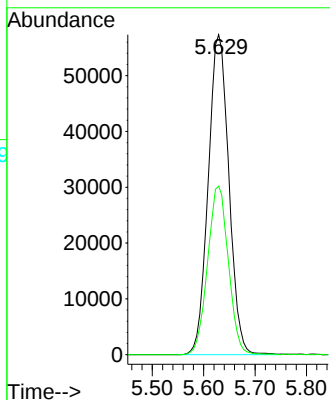
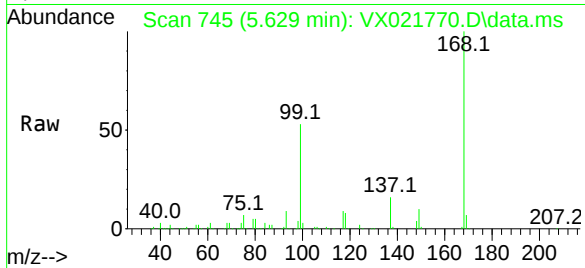




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

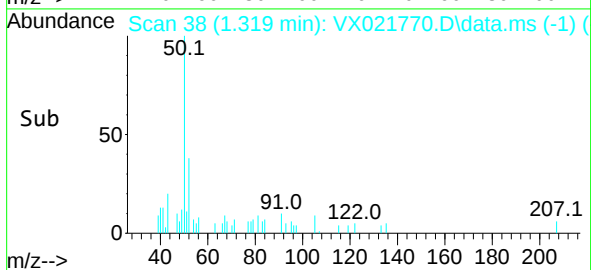
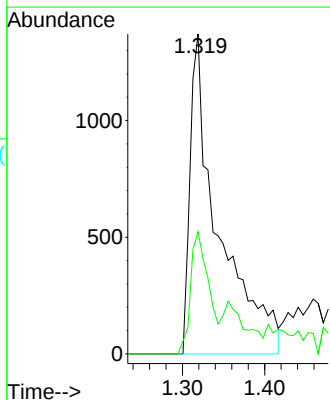
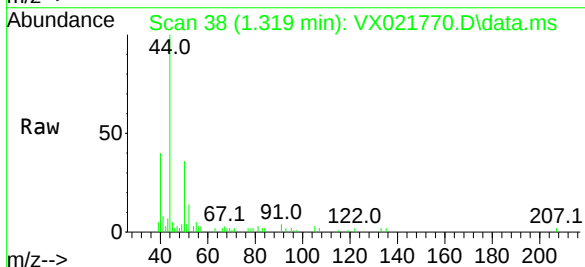
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

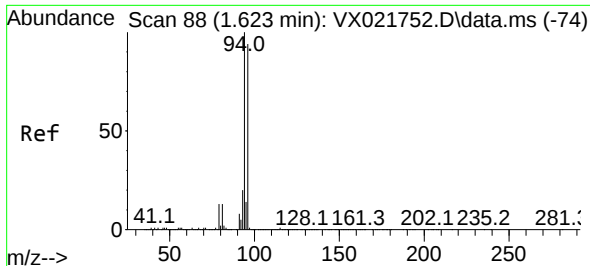
Tgt Ion:168 Resp: 159937
Ion Ratio Lower Upper
168 100
99 52.6 45.8 68.6



#3
Chloromethane
Concen: 1.91 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 50 Resp: 3270
Ion Ratio Lower Upper
50 100
52 38.2 26.4 39.6

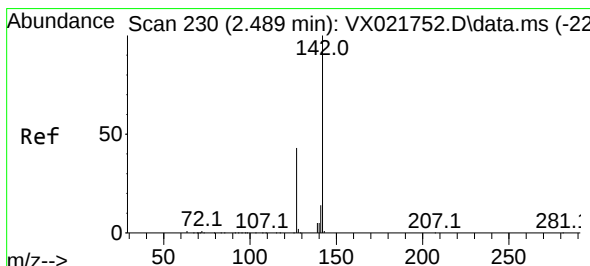
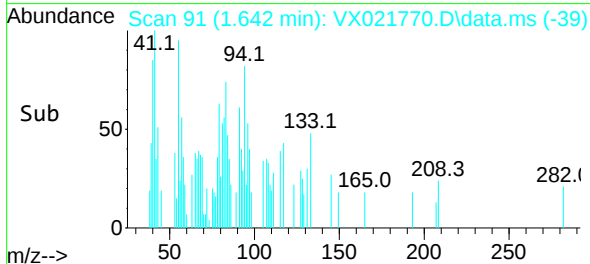
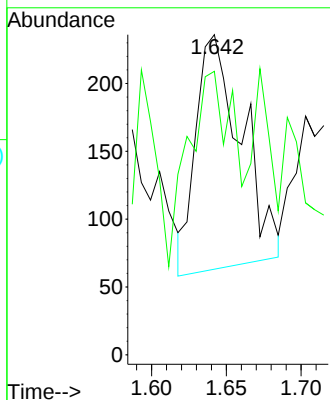
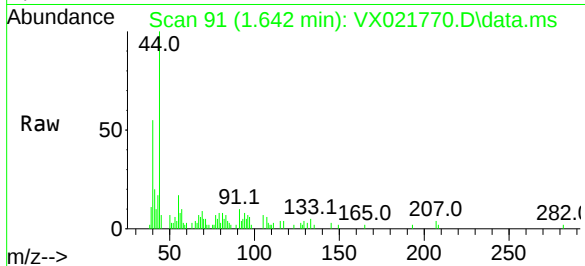




#5
Bromomethane
Concen: 0.46 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.019 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

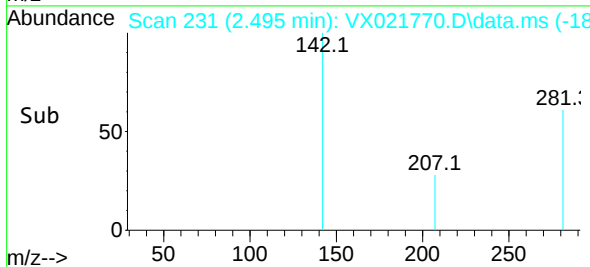
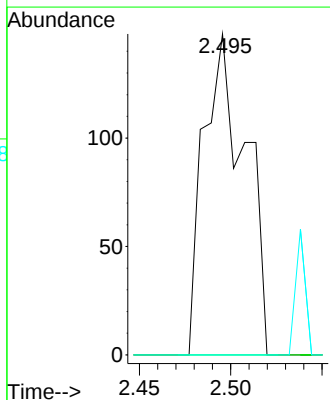
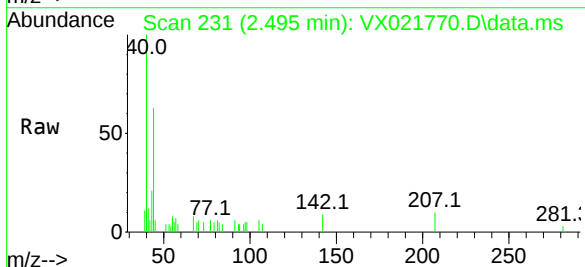
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

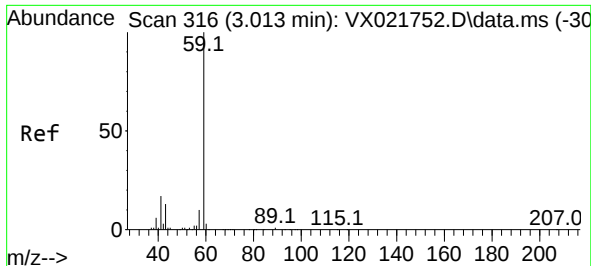
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 69.6 76.4 114.6#



#10
Methyl Iodide
Concen: 8.31 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



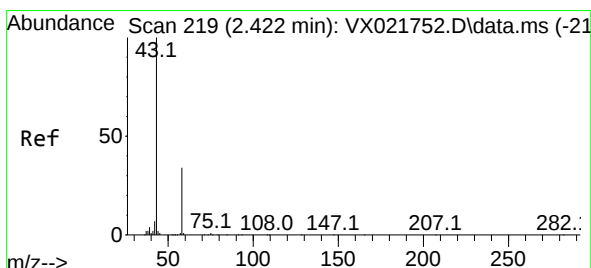
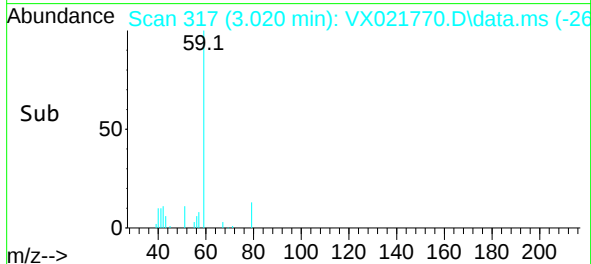
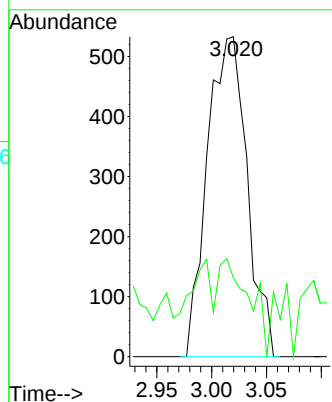
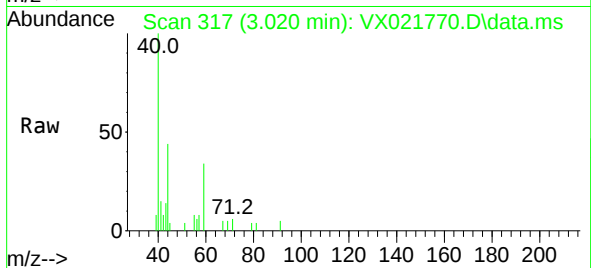


#11

Tert butyl alcohol
Concen: 3.38 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.007 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

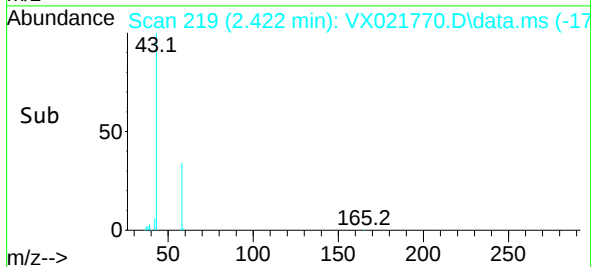
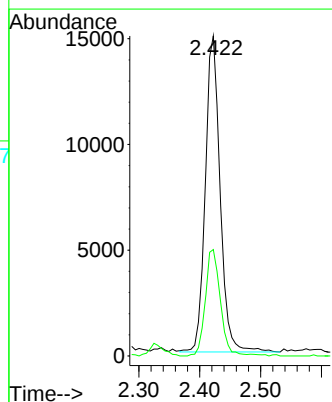
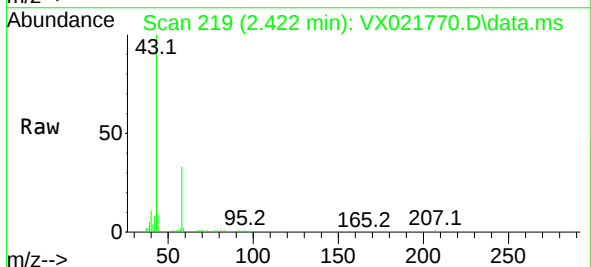
Tgt Ion: 59 Resp: 1344
Ion Ratio Lower Upper
59 100
57 23.5 7.8 11.8#

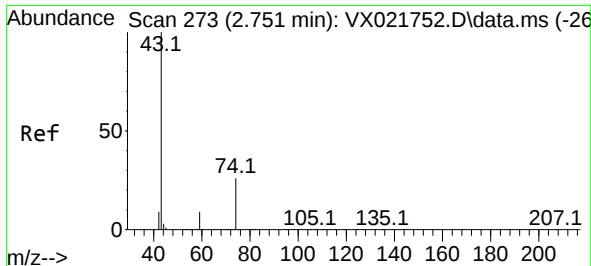


#16

Acetone
Concen: 40.60 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 43 Resp: 25326
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.8





#18

Methyl Acetate

Concen: 0.66 ug/l

RT: 2.752 min Scan# 273

Delta R.T. 0.001 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

Instrument :

MSVOA_X

ClientSampleId :

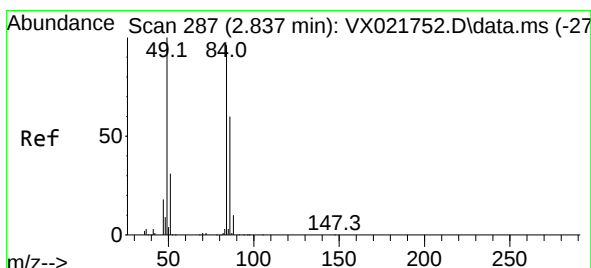
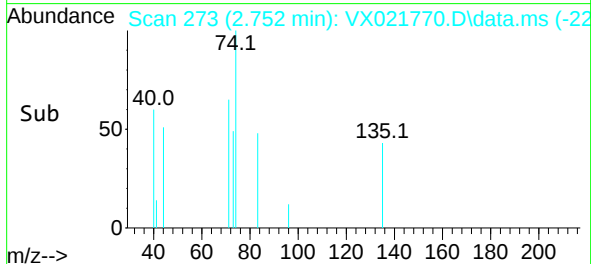
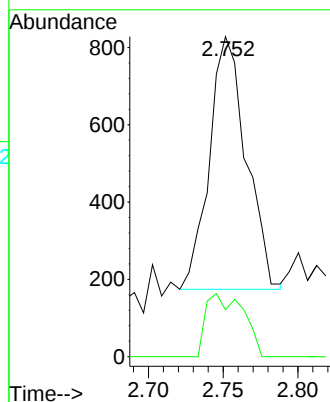
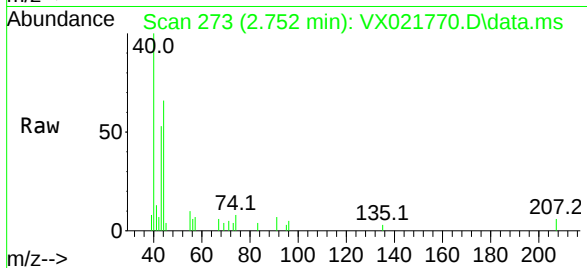
PB135856ZHE#04

Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

74 25.1 21.9 32.9



#20

Methylene Chloride

Concen: 5.63 ug/l

RT: 2.837 min Scan# 287

Delta R.T. -0.000 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

Tgt Ion: 84 Resp: 10528

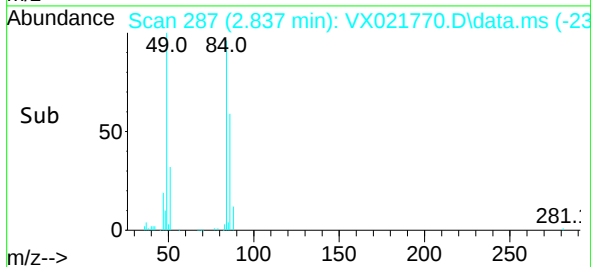
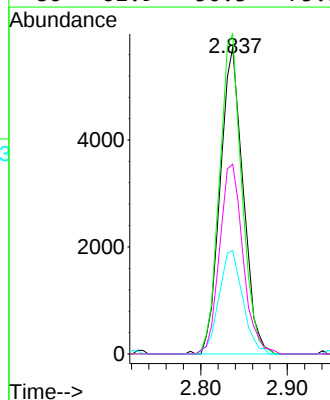
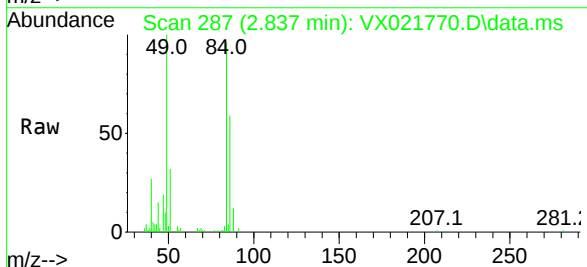
Ion Ratio Lower Upper

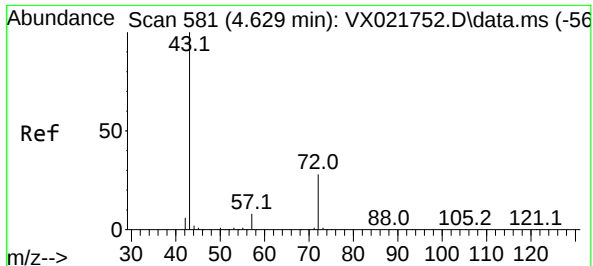
84 100

49 104.4 88.6 132.8

51 33.7 27.0 40.6

86 61.9 50.3 75.5





#25

2-Butanone

Concen: 9.89 ug/l

RT: 4.641 min Scan# 583

Delta R.T. 0.012 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

Tgt Ion: 43 Resp: 10444

Ion Ratio Lower Upper

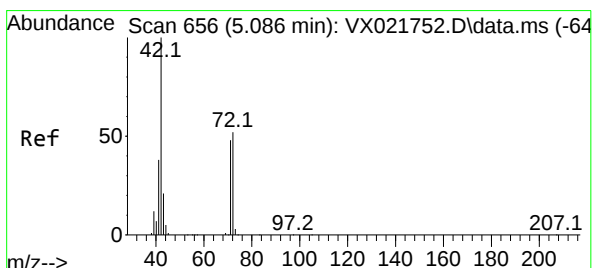
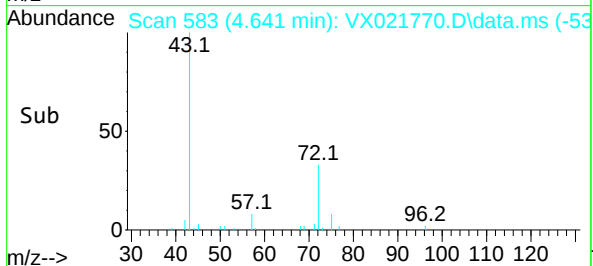
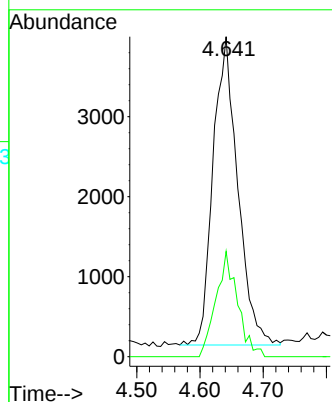
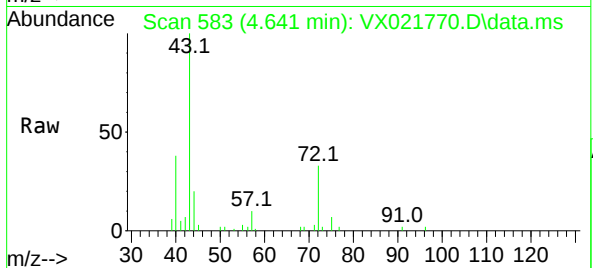
Ion	Ratio	Lower	Upper
43	100		
72	34.2	23.7	35.5

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#29

Tetrahydrofuran

Concen: 1.26 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.019 min

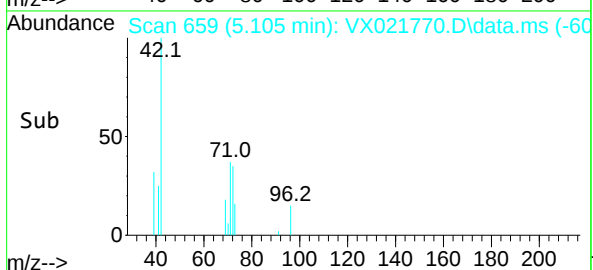
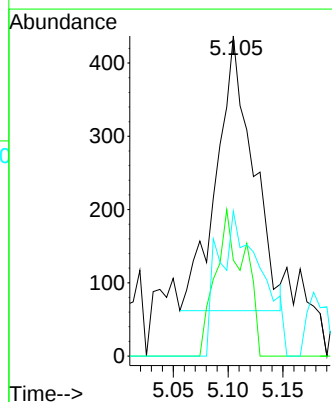
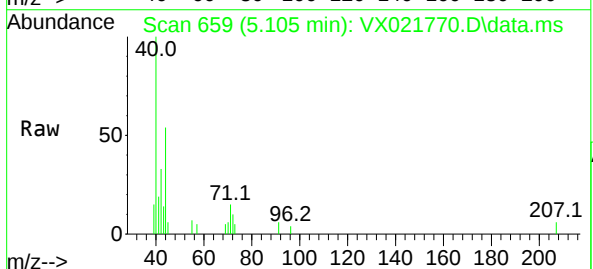
Lab File: VX021770.D

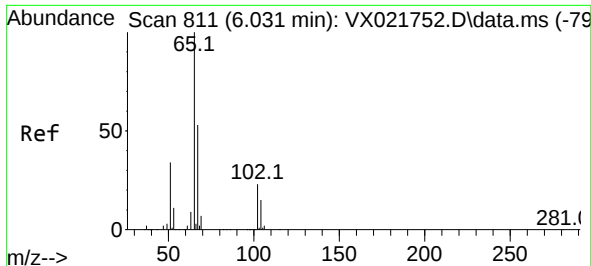
Acq: 20 Apr 2021 21:49

Tgt Ion: 42 Resp: 864

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
42	100		
72	42.4	41.7	62.5
71	60.4	38.4	57.6

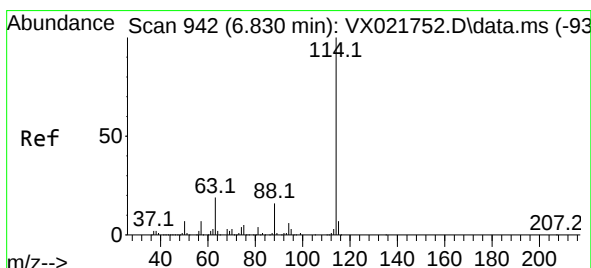
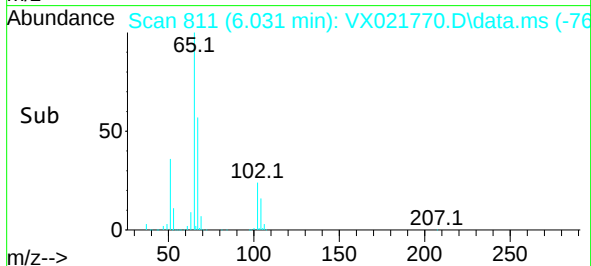
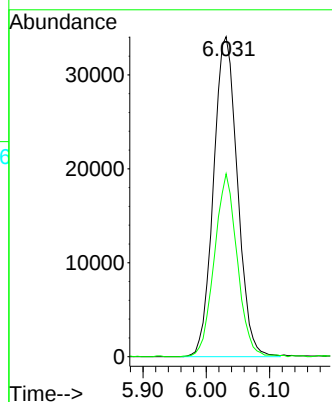
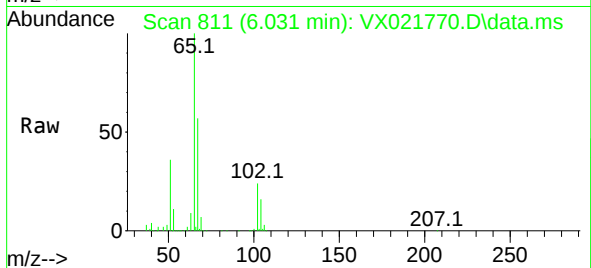




#33
 1,2-Dichloroethane-d4
 Concen: 49.35 ug/l
 RT: 6.031 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: VX021770.D
 Acq: 20 Apr 2021 21:49

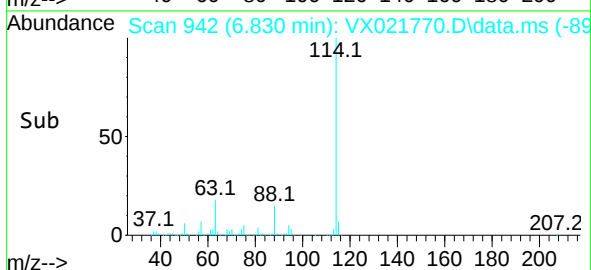
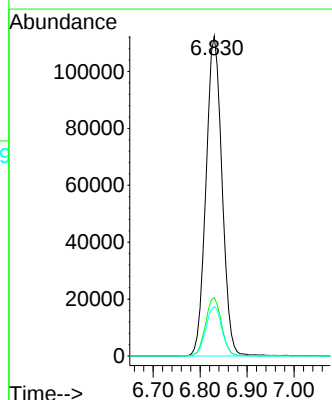
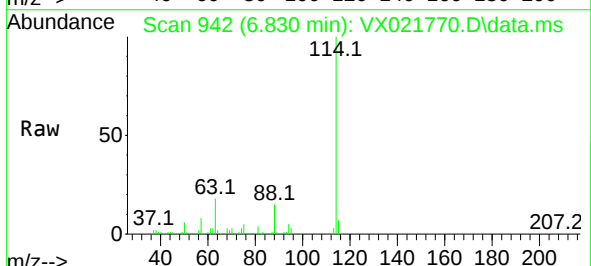
Instrument :
 MSVOA_X
 ClientSampleId :
 PB135856ZHE#04

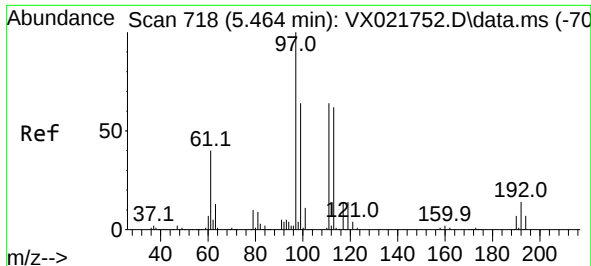
Tgt Ion: 65 Resp: 89538
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.830 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VX021770.D
 Acq: 20 Apr 2021 21:49

Tgt Ion: 114 Resp: 265459
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.8
 88 15.4 0.0 32.8

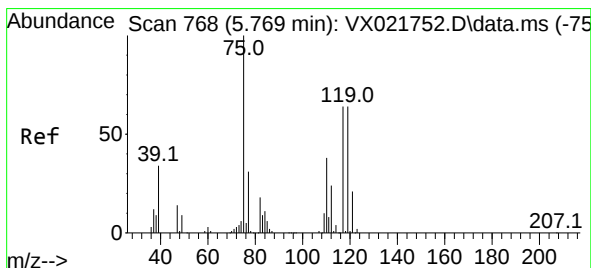
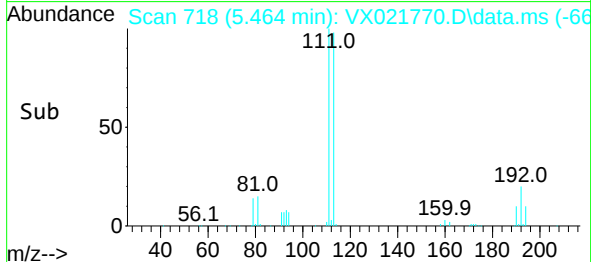
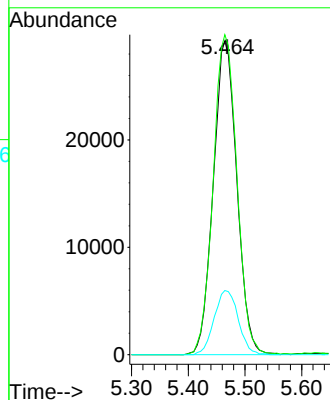
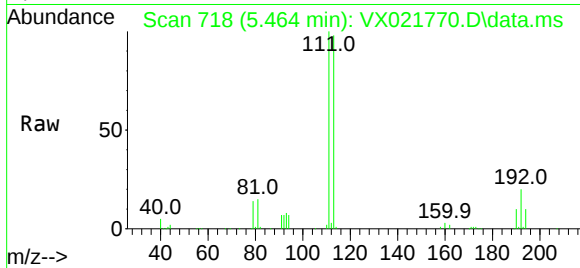




#35
Dibromofluoromethane
Concen: 49.66 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

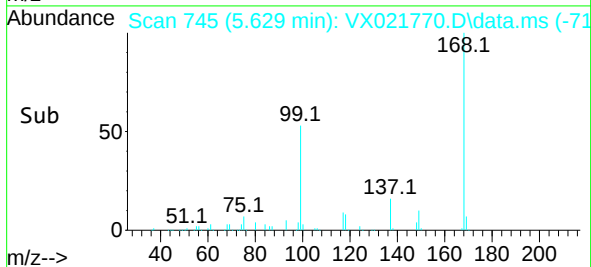
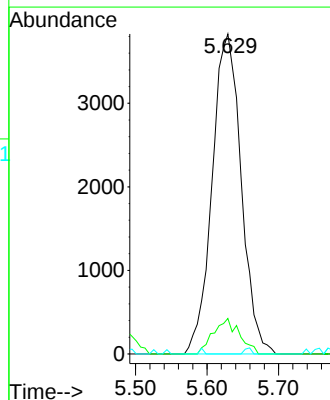
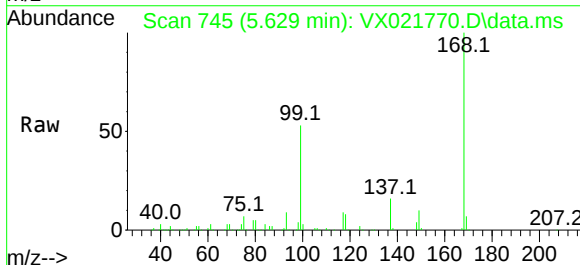
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

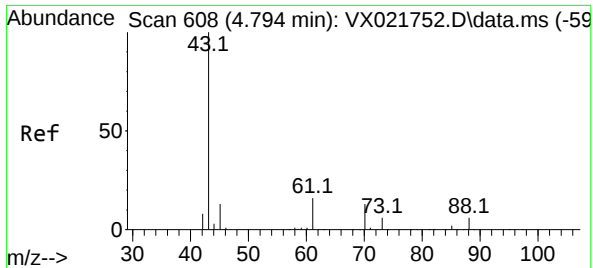
Tgt Ion:113 Resp: 84303
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 75 Resp: 10808
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 4.74 ug/l

RT: 4.641 min Scan# 583

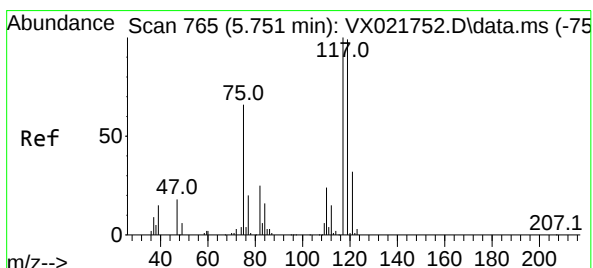
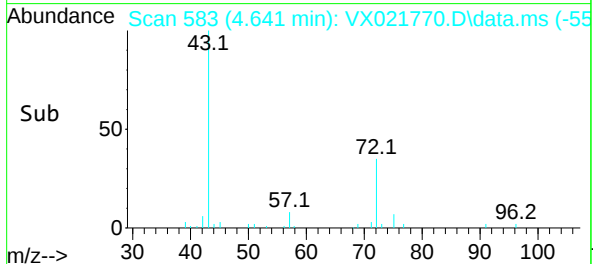
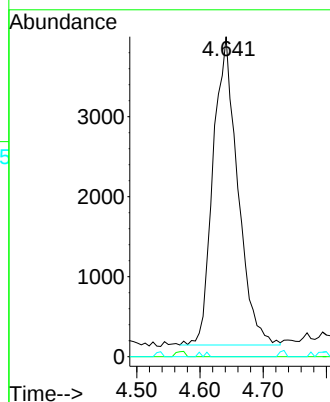
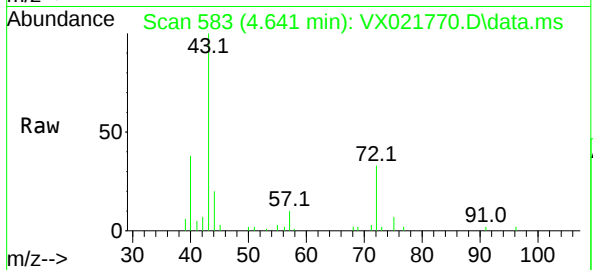
Delta R.T. -0.153 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

Tgt Ion: 43	Resp: 10444
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04



#38

Carbon Tetrachloride

Concen: 5.76 ug/l

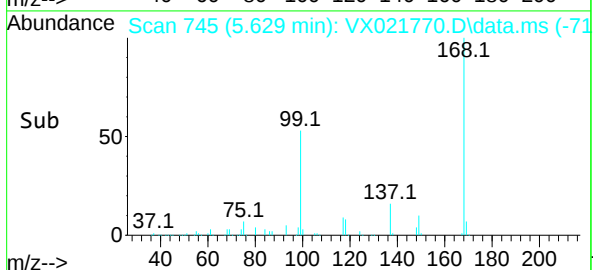
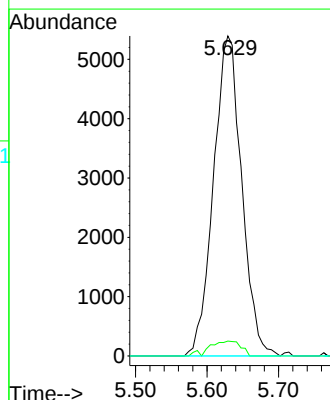
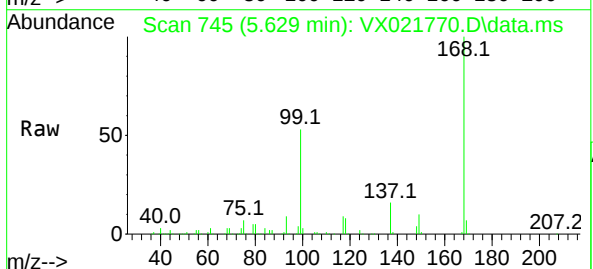
RT: 5.629 min Scan# 745

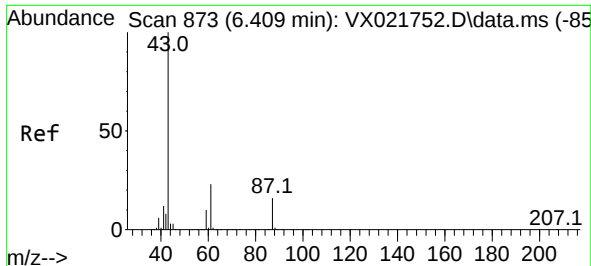
Delta R.T. -0.122 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

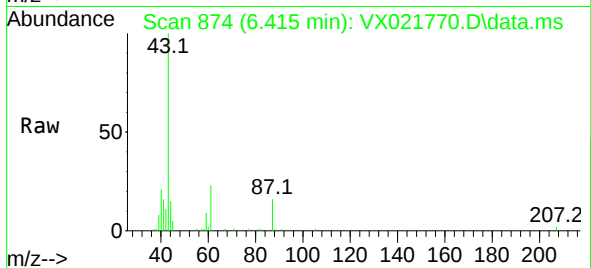
Tgt Ion: 117	Resp: 14767
Ion Ratio	Lower Upper
117 100	
119 4.6	76.2 114.2#
121 0.0	24.8 37.2#



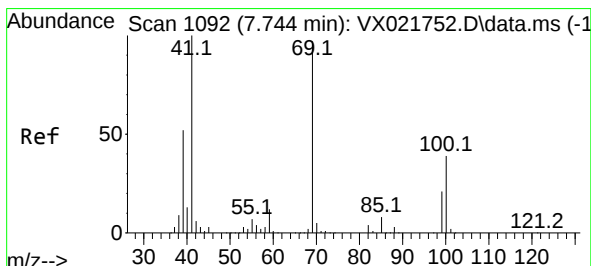
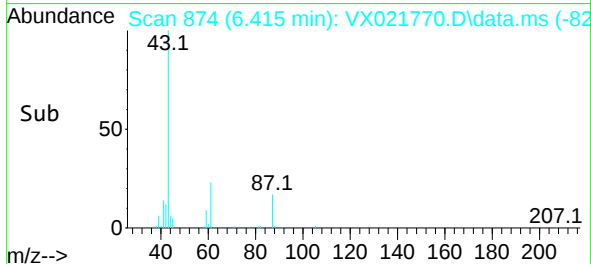
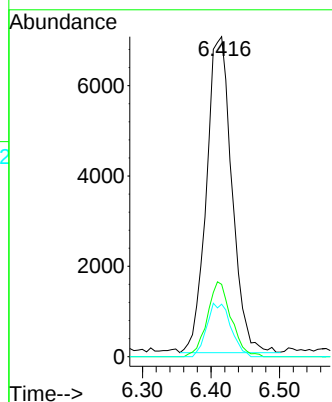


#43
Isopropyl Acetate
Concen: 4.69 ug/l
RT: 6.415 min Scan# 874
Delta R.T. 0.006 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

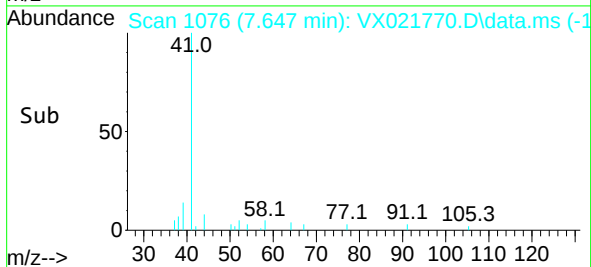
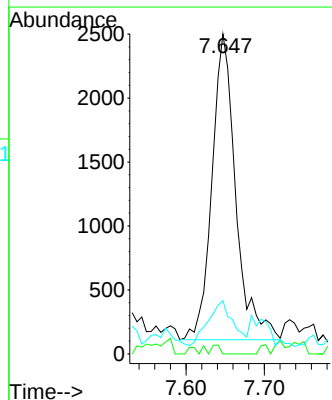
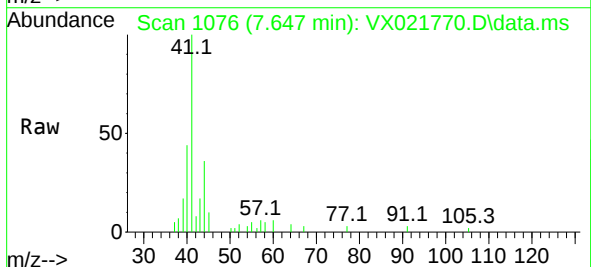


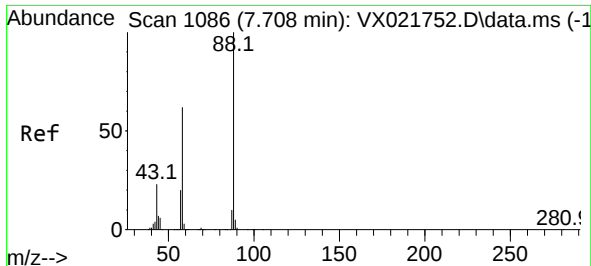
Tgt Ion: 43 Resp: 18082
Ion Ratio Lower Upper
43 100
61 22.2 18.2 27.4
87 15.9 12.5 18.7



#48
Methyl methacrylate
Concen: 2.69 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.097 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 41 Resp: 5052
Ion Ratio Lower Upper
41 100
69 1.5 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.78 ug/l

RT: 7.848 min Scan# 1109

Delta R.T. 0.140 min

Lab File: VX021770.D

Acq: 20 Apr 2021 21:49

Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 558446.1 23.2 34.8#

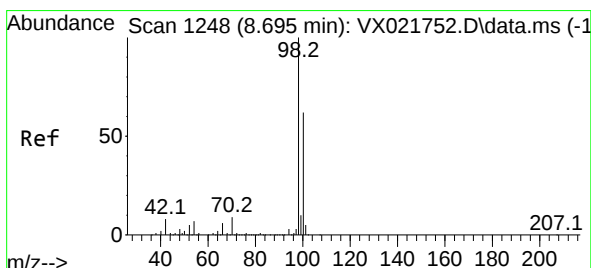
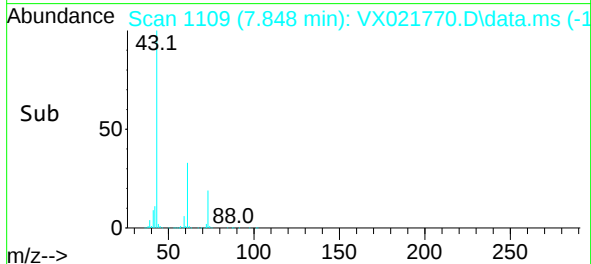
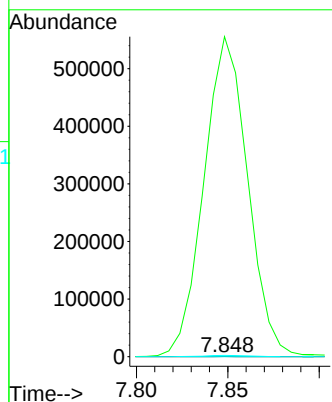
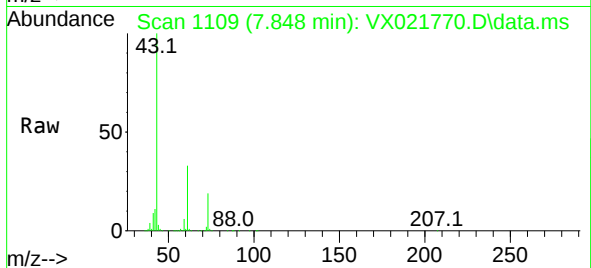
58 2315.0 55.0 82.4#

Instrument :

MSVOA_X

ClientSampleId :

PB135856ZHE#04



#50

Toluene-d8

Concen: 47.86 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.001 min

Lab File: VX021770.D

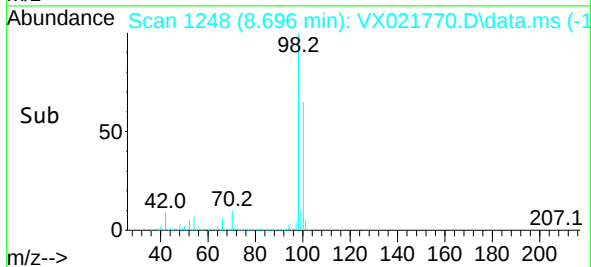
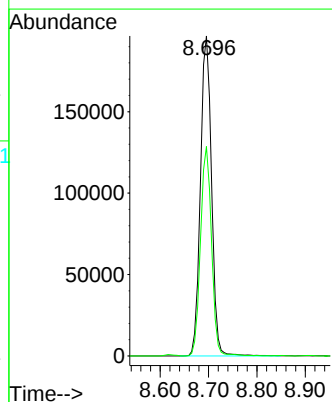
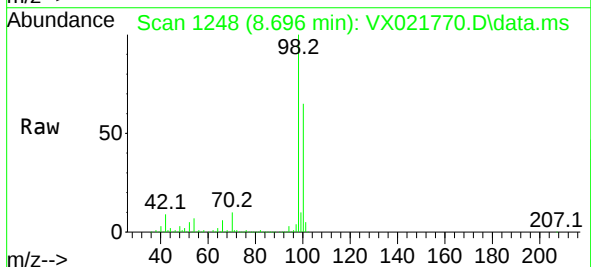
Acq: 20 Apr 2021 21:49

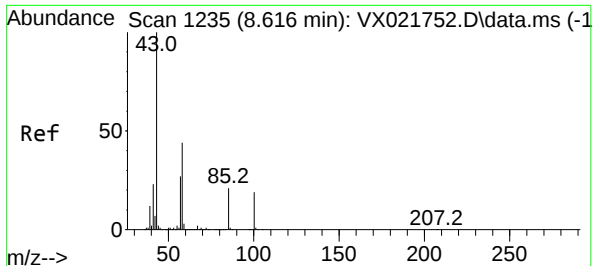
Tgt Ion: 98 Resp: 312421

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9

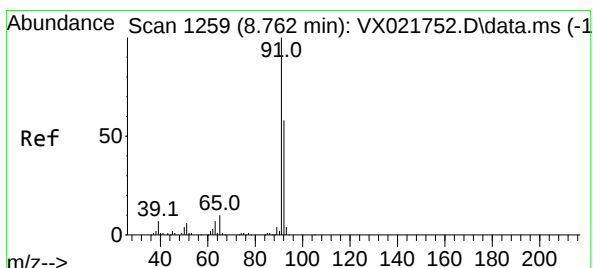
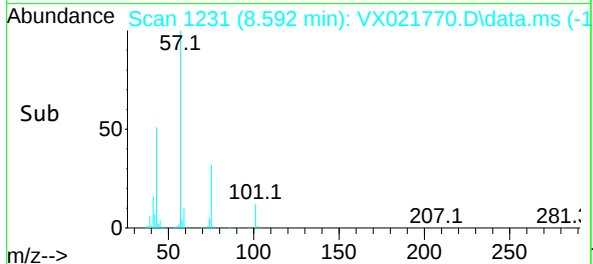
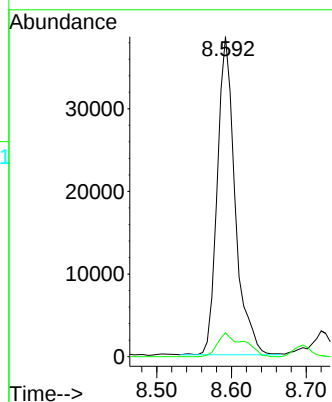
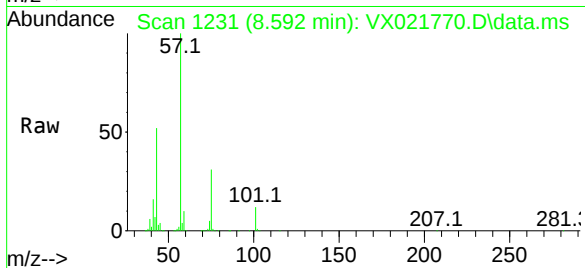




#51
4-Methyl-2-Pentanone
Concen: 28.86 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

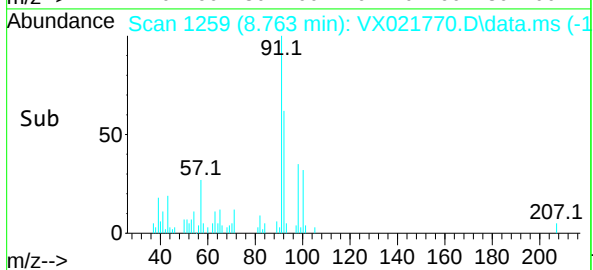
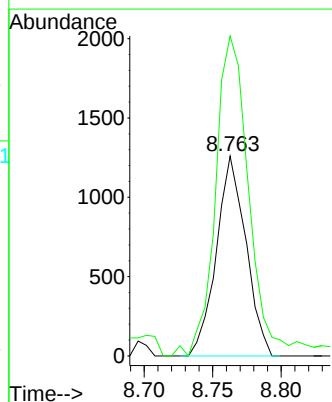
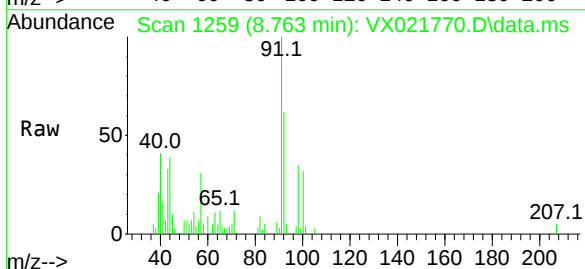
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

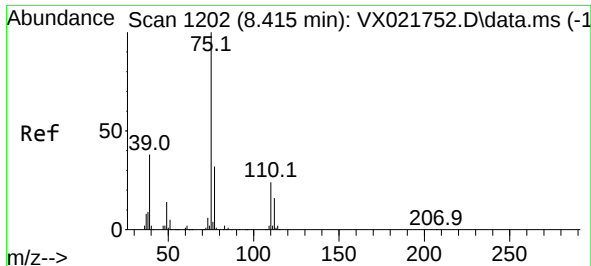
Tgt Ion: 43 Resp: 63744
Ion Ratio Lower Upper
43 100
58 10.9 35.4 53.0#



#52
Toluene
Concen: 0.42 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 92 Resp: 1889
Ion Ratio Lower Upper
92 100
91 184.3 137.1 205.7

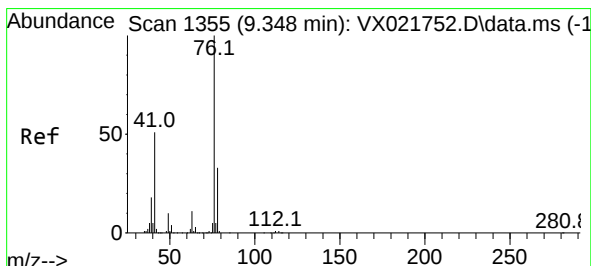
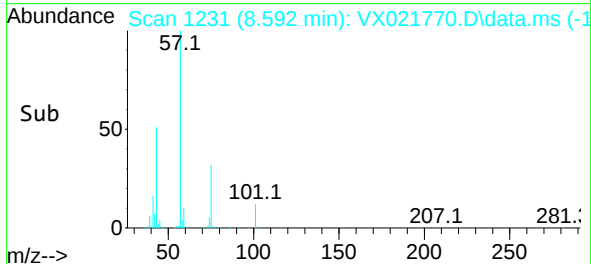
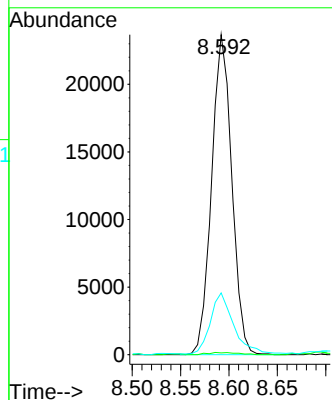
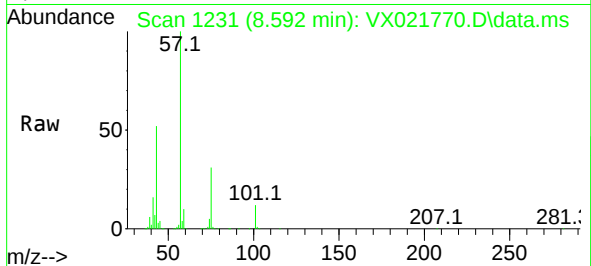




#54
cis-1,3-Dichloropropene
Concen: 11.06 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

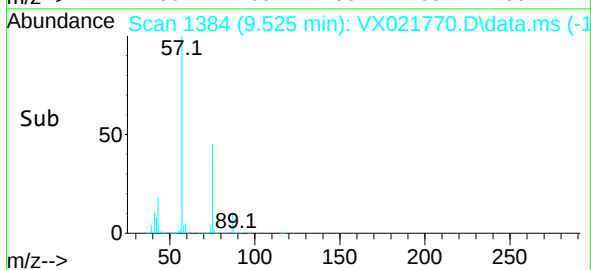
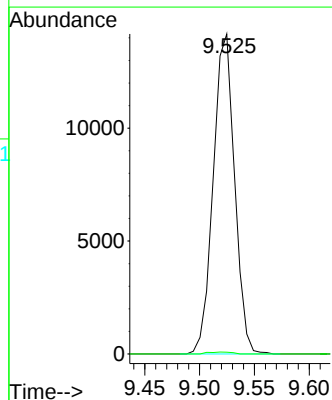
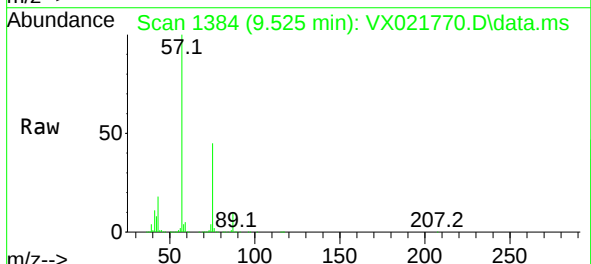
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

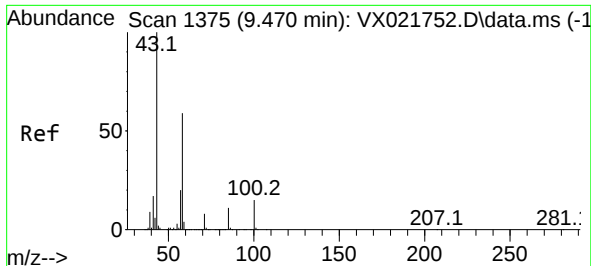
Tgt Ion: 75 Resp: 34412
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 19.1 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.43 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 76 Resp: 19222
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#

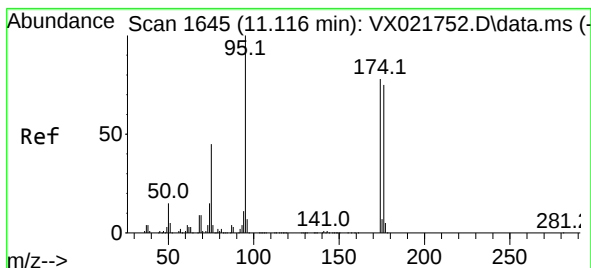
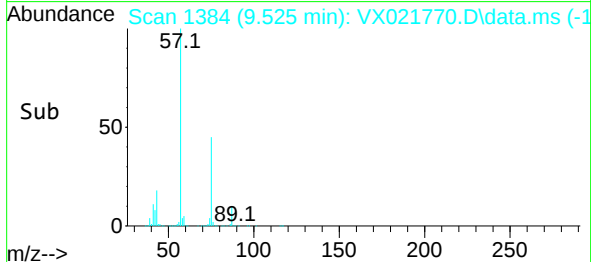
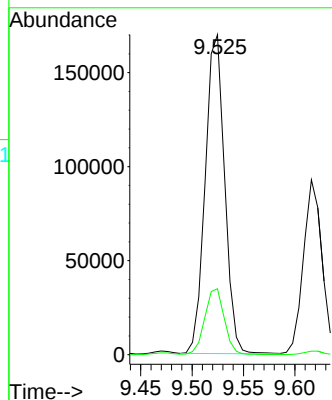
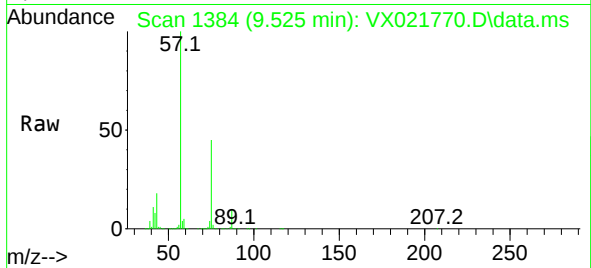




#59
2-Hexanone
Concen: 135.17 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

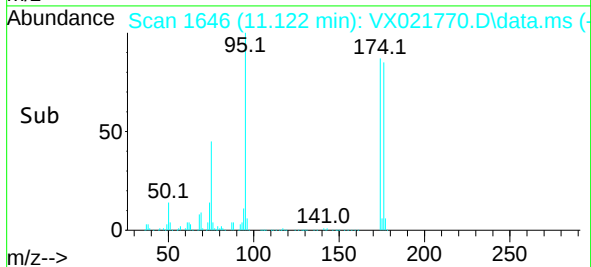
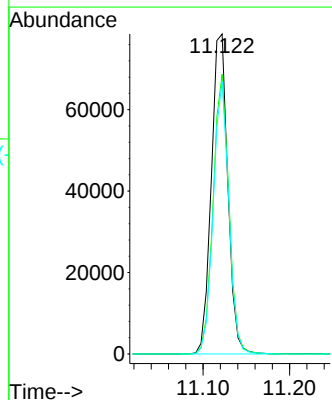
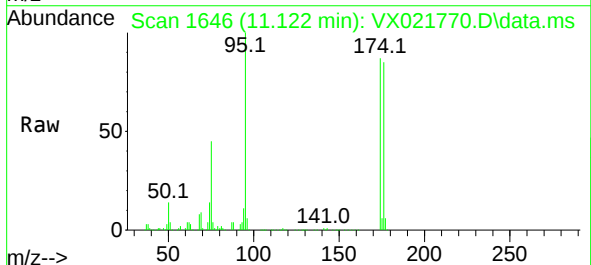
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

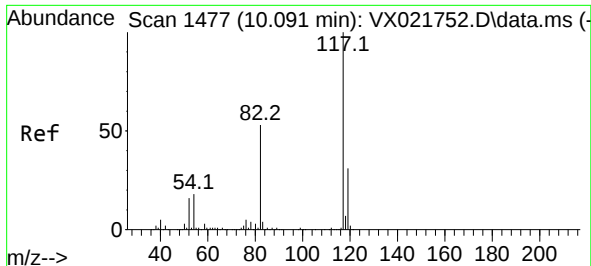
Tgt Ion: 43 Resp: 223766
Ion Ratio Lower Upper
43 100
58 21.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 42.70 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.006 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 95 Resp: 104081
Ion Ratio Lower Upper
95 100
174 84.0 0.0 154.6
176 80.3 0.0 155.8

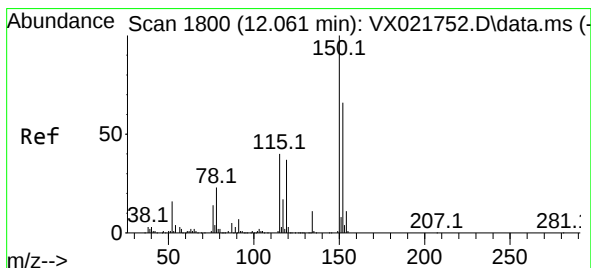
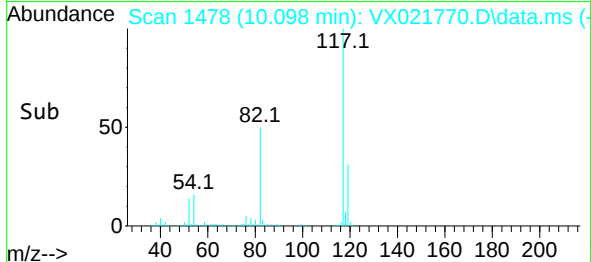
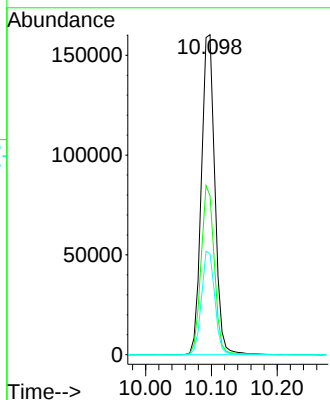
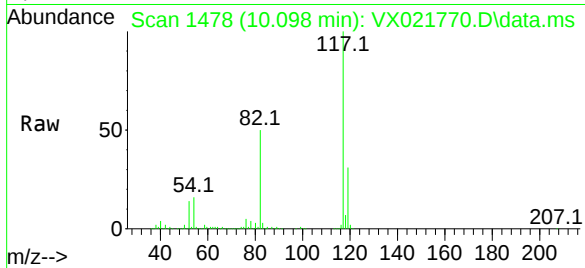




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

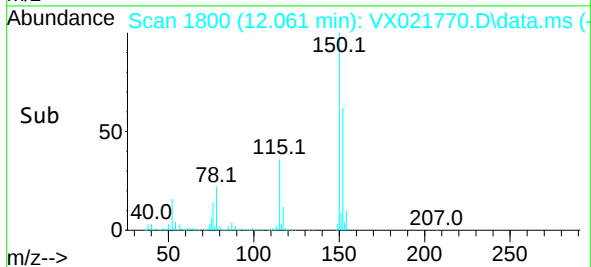
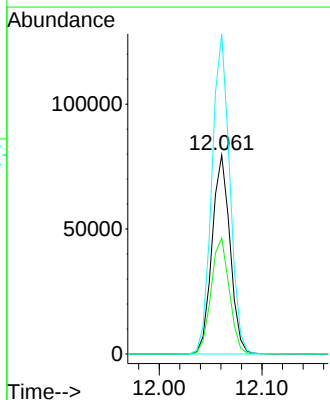
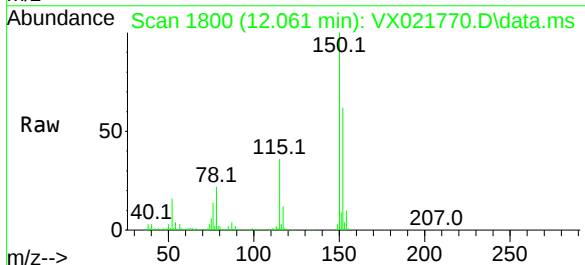
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

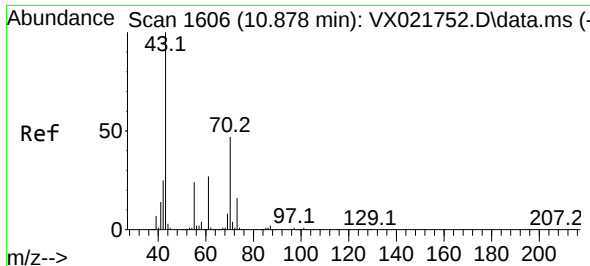
Tgt Ion:117 Resp: 228664
Ion Ratio Lower Upper
117 100
82 49.7 47.4 71.2
119 31.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion:152 Resp: 96740
Ion Ratio Lower Upper
152 100
115 59.1 41.1 123.3
150 159.9 0.0 349.0

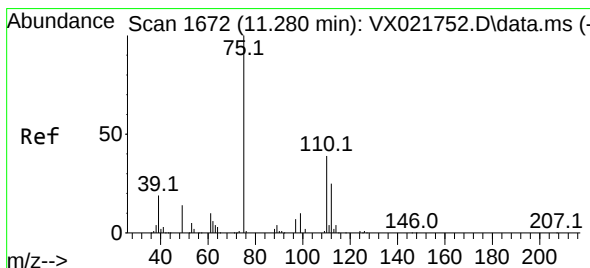
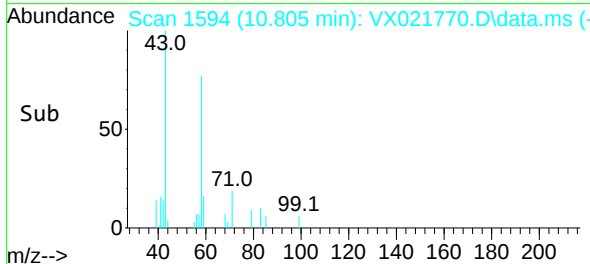
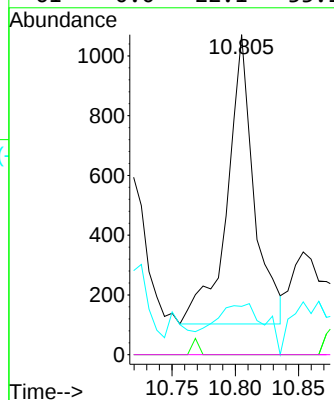
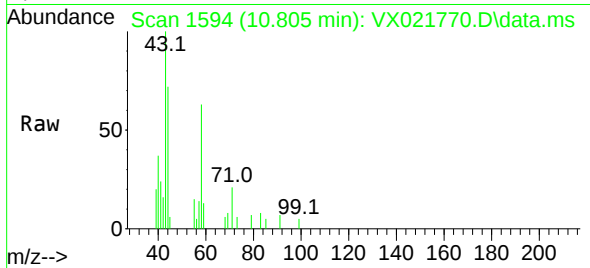




#74
N-amy1 acetate
Concen: 0.55 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

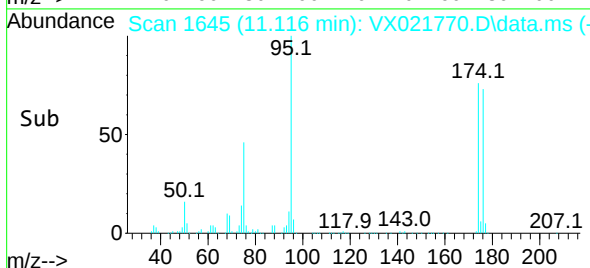
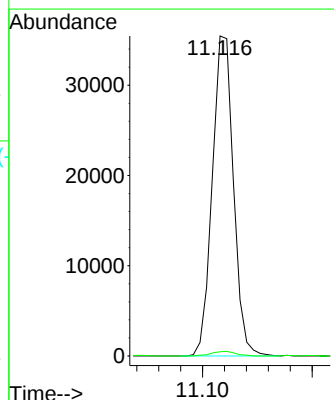
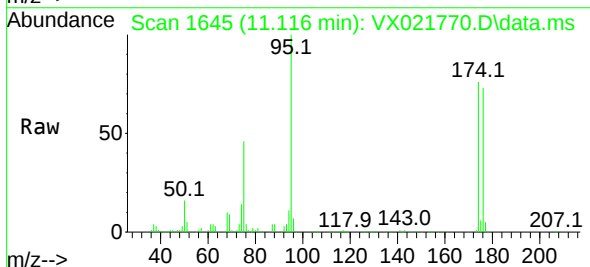
Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

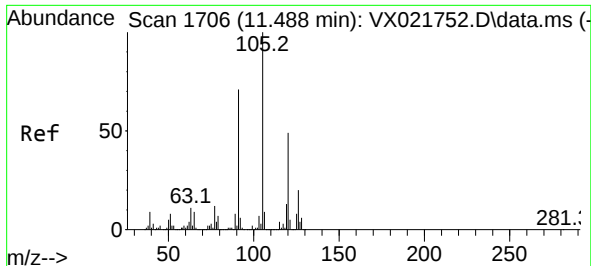
Tgt Ion: 43	Resp: 1429
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	33.6 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.81 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 75	Resp: 47604
Ion Ratio	Lower Upper
75	100
77	1.6 19.1 57.5#

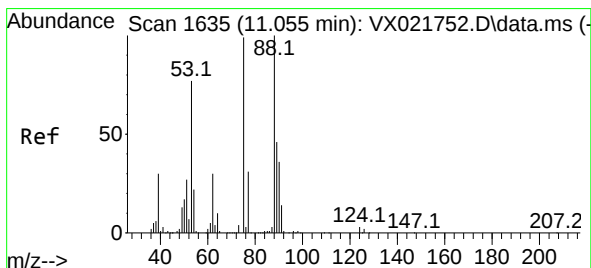
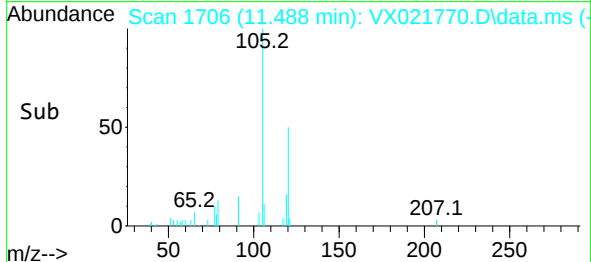
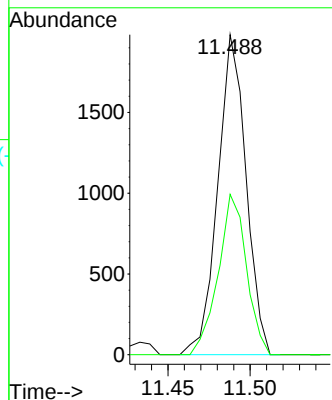
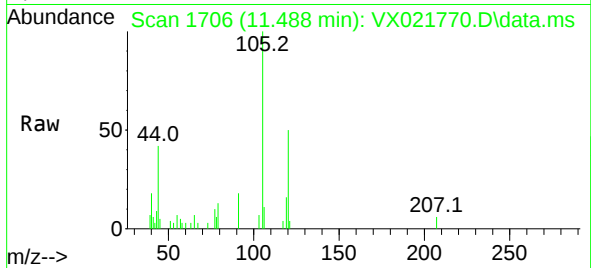




#80
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Instrument :
MSVOA_X
ClientSampleId :
PB135856ZHE#04

Tgt Ion:105 Resp: 2363
Ion Ratio Lower Upper
105 100
120 50.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 57.06 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021770.D
Acq: 20 Apr 2021 21:49

Tgt Ion: 75 Resp: 47604
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

