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 Data File : VX021696.D
 Acq On : 31 Mar 2021 19:21
 Operator : JC/MD
 Sample : PB135444ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

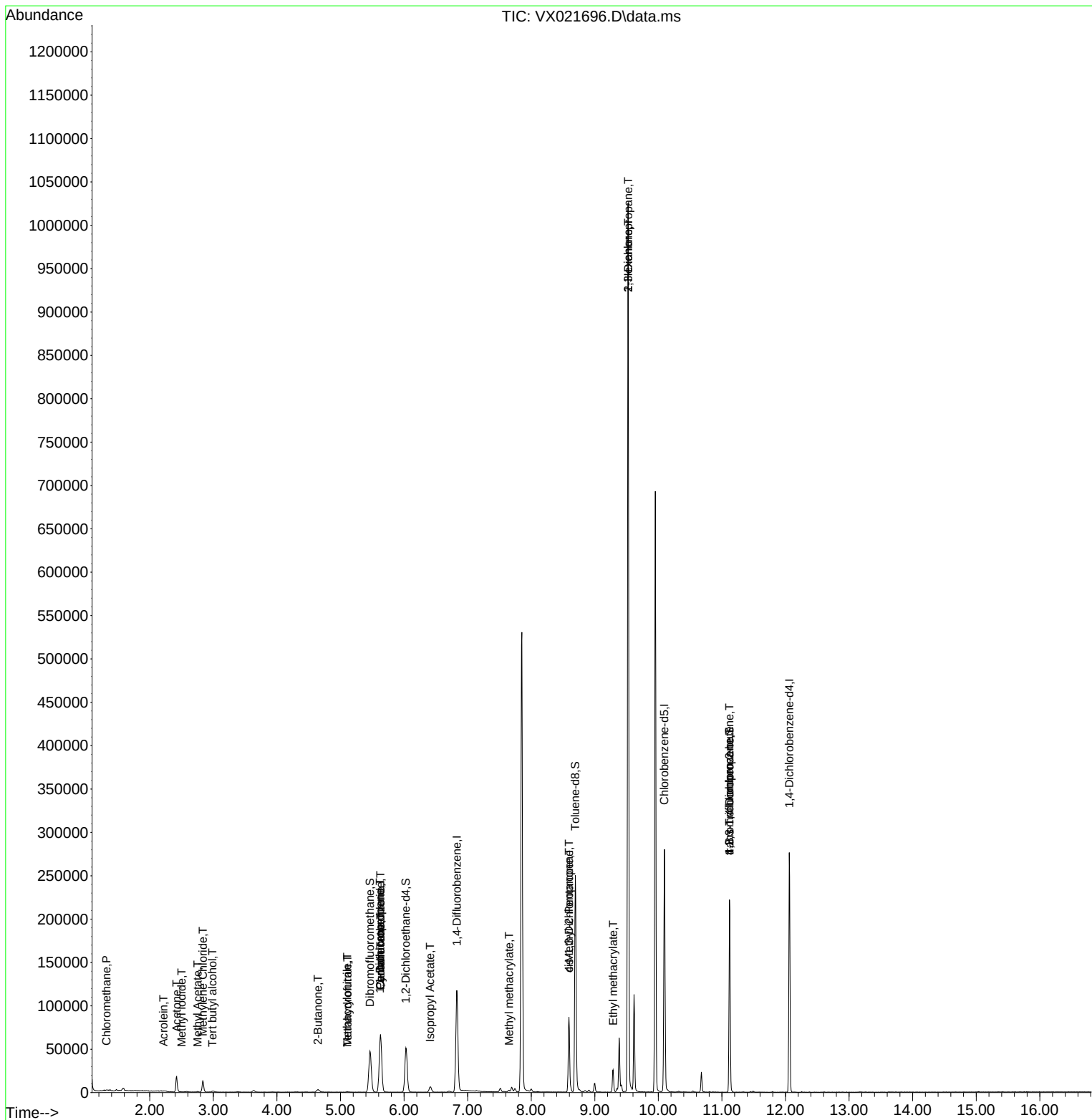
Instrument :
 MSVOA_X
 ClientSampleId :
 PB135444ZHE#02

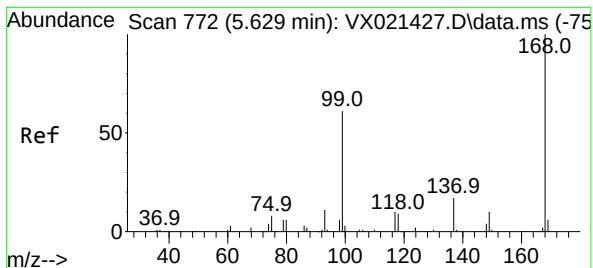
Quant Time: Apr 01 03:30:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	57676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	117691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52435	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	50581	52.71	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.42%	
35) Dibromofluoromethane	5.464	113	39609	52.01	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.02%	
50) Toluene-d8	8.694	98	142975	52.69	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.38%	
62) 4-Bromofluorobenzene	11.118	95	56906	53.94	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.88%	
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1101	1.55	ug/l	90
10) Methyl Iodide	2.499	142	56	6.75	ug/l #	42
11) Tert butyl alcohol	2.987	59	960	6.05	ug/l #	73
13) Acrolein	2.217	56	49	4.90	ug/l #	61
16) Acetone	2.423	43	18836	51.91	ug/l #	87
18) Methyl Acetate	2.752	43	1016	0.97	ug/l #	65
20) Methylene Chloride	2.834	84	5366	7.58	ug/l	90
25) 2-Butanone	4.646	43	3353	6.10	ug/l	95
29) Tetrahydrofuran	5.111	42	476	1.33	ug/l #	30
31) Cyclohexane	5.629	56	1606	1.52	ug/l #	41
36) 1,1-Dichloropropene	5.623	75	5350	5.09	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6378	5.65	ug/l #	17
41) Methacrylonitrile	5.105	41	347	0.49	ug/l #	35
43) Isopropyl Acetate	6.411	43	8175	4.15	ug/l #	90
48) Methyl methacrylate	7.653	41	2656	2.52	ug/l #	10
51) 4-Methyl-2-Pentanone	8.594	43	31663	26.10	ug/l #	45
54) cis-1,3-Dichloropropene	8.594	75	12389	9.62	ug/l #	74
56) Ethyl methacrylate	9.288	69	114	2.16	ug/l #	1
57) 1,3-Dichloropropane	9.523	76	7941	5.97	ug/l #	42
59) 2-Hexanone	9.523	43	124821	137.04	ug/l #	42
76) 1,2,3-Trichloropropane	11.118	75	31378	25.71	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31378	78.30	ug/l #	12

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

Quant Time: Apr 01 03:30:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 772

Delta R.T. -0.000 min

Lab File: VX021696.D

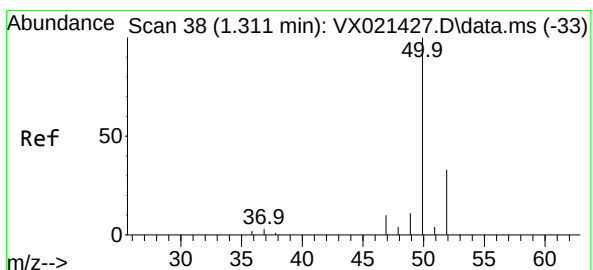
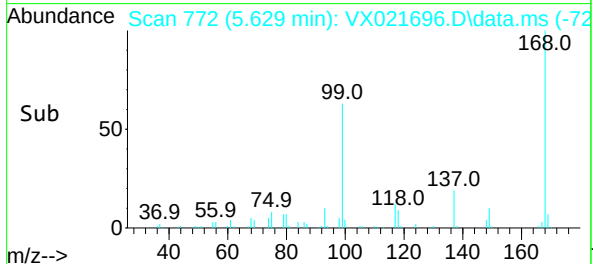
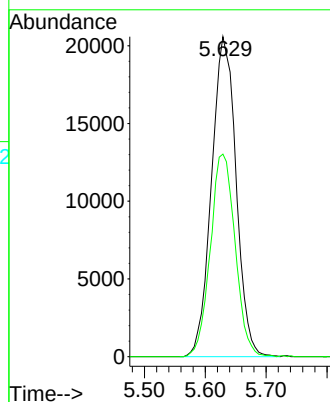
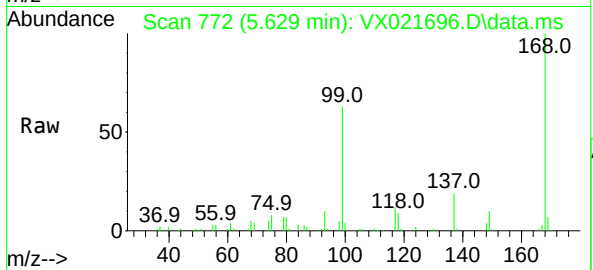
Acq: 31 Mar 2021 19:21

Tgt Ion:168 Resp: 57676

Ion Ratio Lower Upper

168 100

99 63.3 45.8 68.6



#3

Chloromethane

Concen: 1.55 ug/l

RT: 1.317 min Scan# 39

Delta R.T. 0.006 min

Lab File: VX021696.D

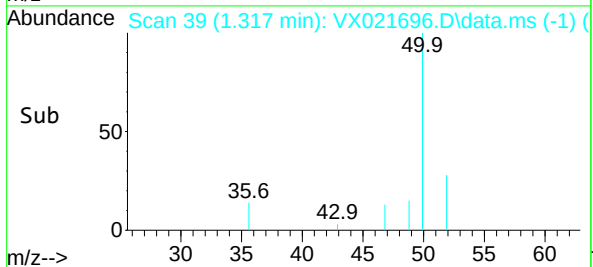
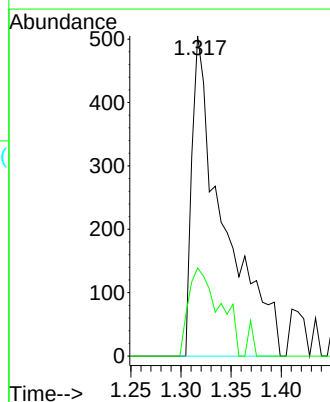
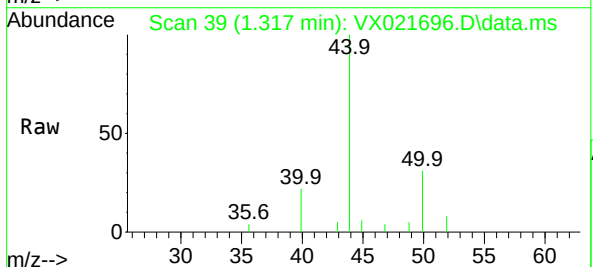
Acq: 31 Mar 2021 19:21

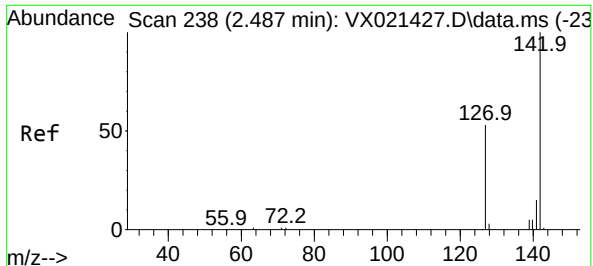
Tgt Ion: 50 Resp: 1101

Ion Ratio Lower Upper

50 100

52 27.5 26.4 39.6

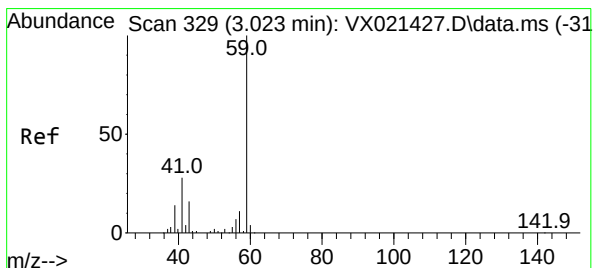
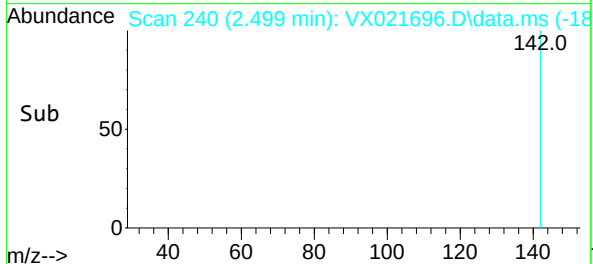
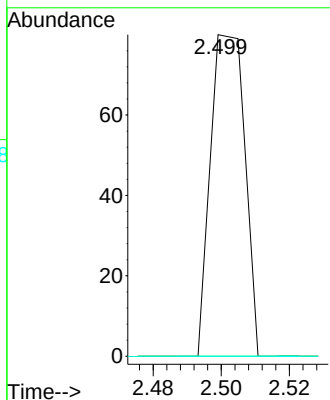
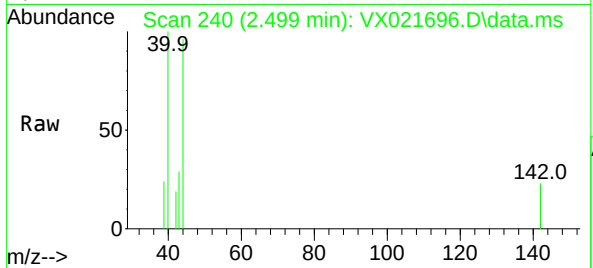




#10
Methyl Iodide
Concen: 6.75 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

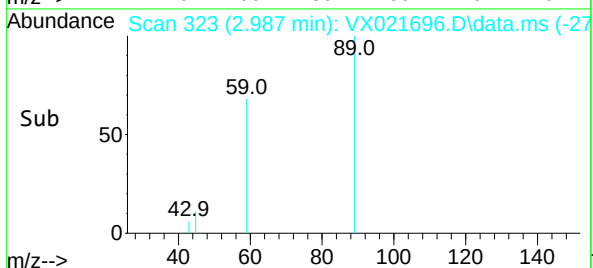
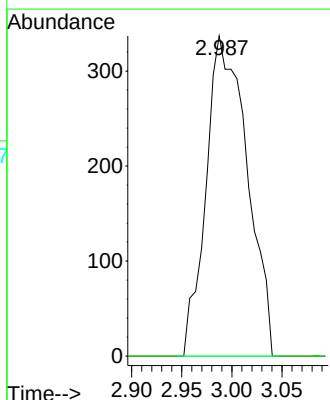
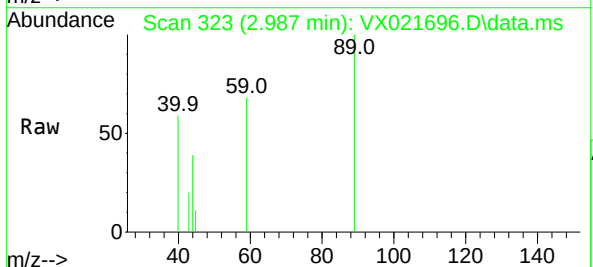
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

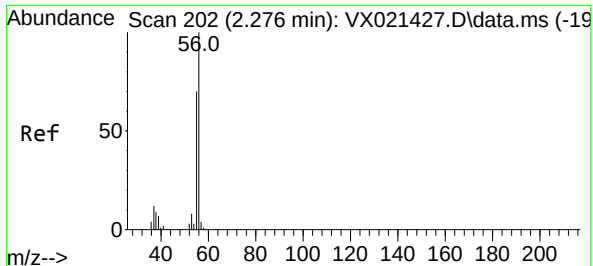
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 6.05 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.036 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 59 Resp: 960
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 4.90 ug/l

RT: 2.217 min Scan# 192

Delta R.T. -0.059 min

Lab File: VX021696.D

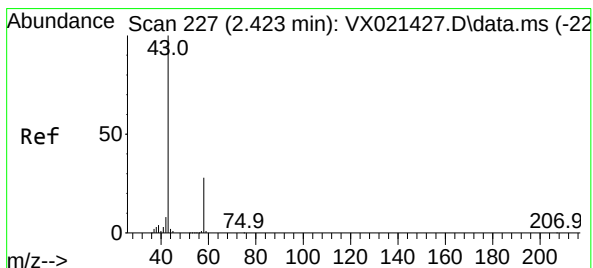
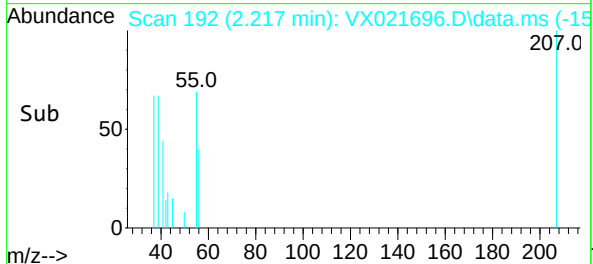
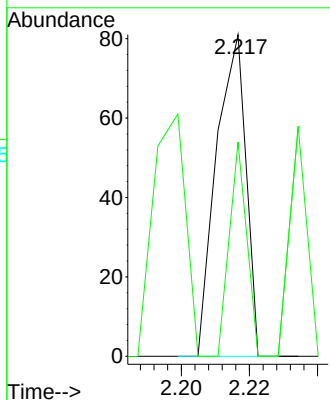
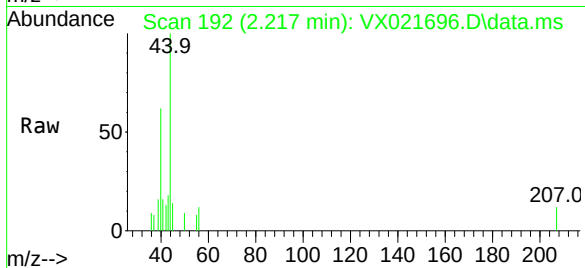
Acq: 31 Mar 2021 19:21

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 38.8 56.4 84.6#



#16

Acetone

Concen: 51.91 ug/l

RT: 2.423 min Scan# 227

Delta R.T. -0.000 min

Lab File: VX021696.D

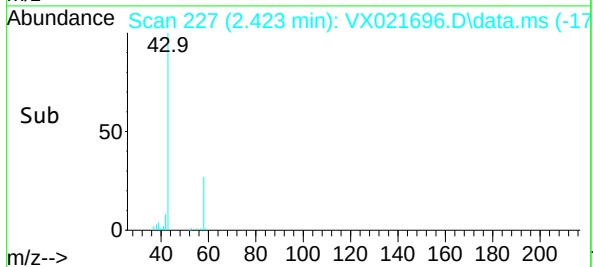
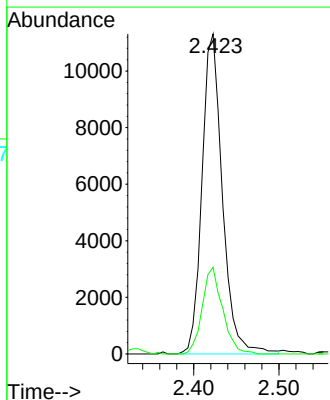
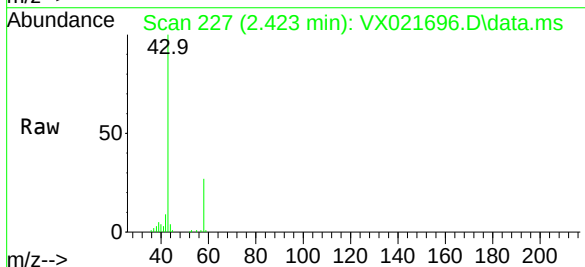
Acq: 31 Mar 2021 19:21

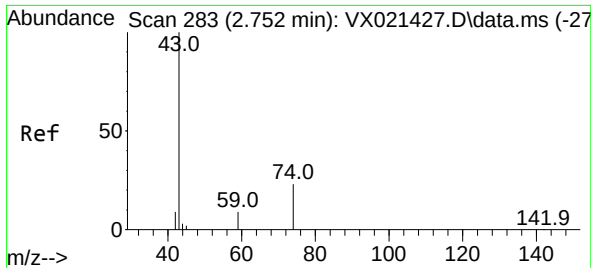
Tgt Ion: 43 Resp: 18836

Ion Ratio Lower Upper

43 100

58 27.1 27.8 41.8#

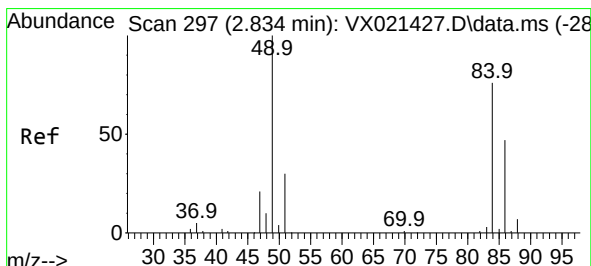
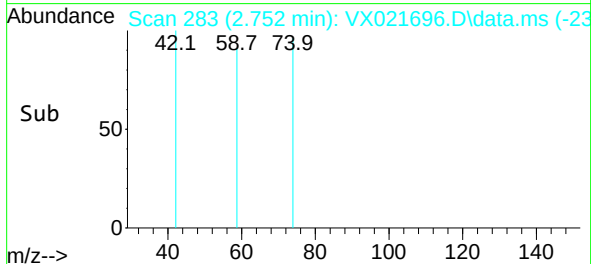
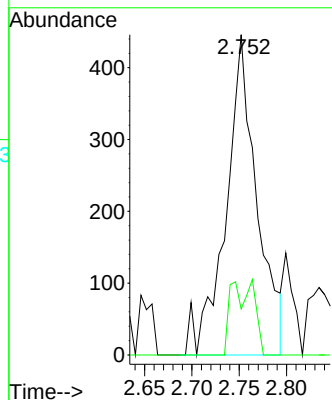
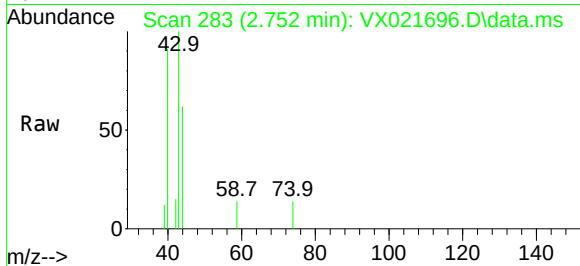




#18
Methyl Acetate
Concen: 0.97 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

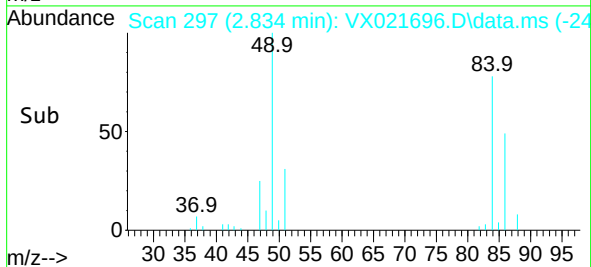
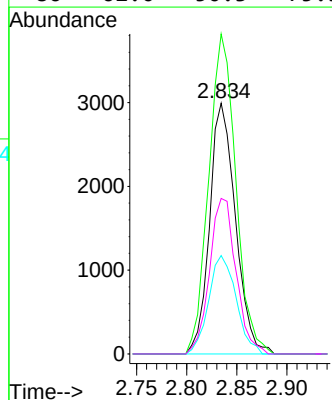
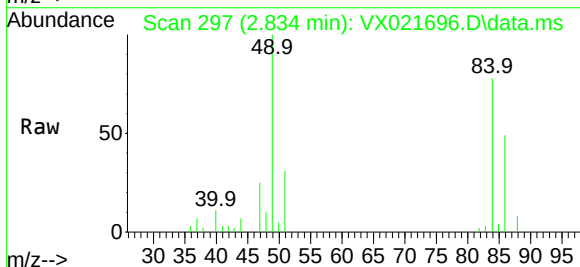
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

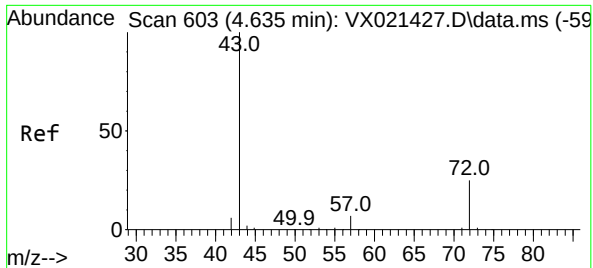
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
74 9.2 21.9 32.9#



#20
Methylene Chloride
Concen: 7.58 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 84 Resp: 5366
Ion Ratio Lower Upper
84 100
49 127.6 88.6 132.8
51 39.3 27.0 40.6
86 62.0 50.3 75.5

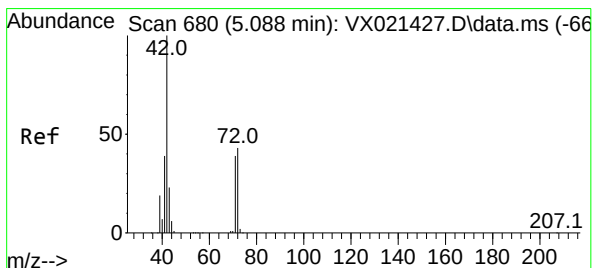
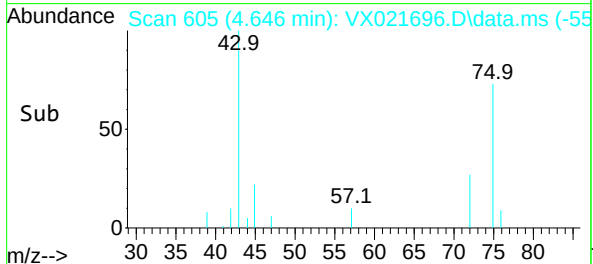
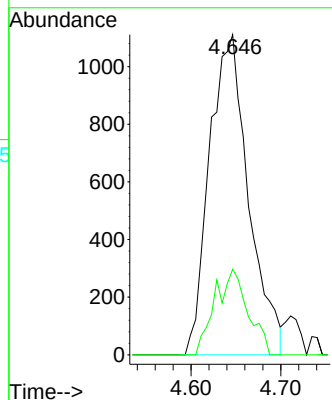
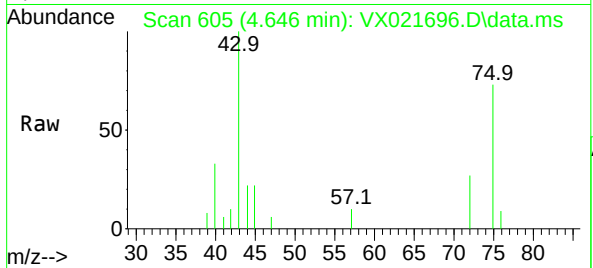




#25
2-Butanone
Concen: 6.10 ug/l
RT: 4.646 min Scan# 605
Delta R.T. 0.011 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

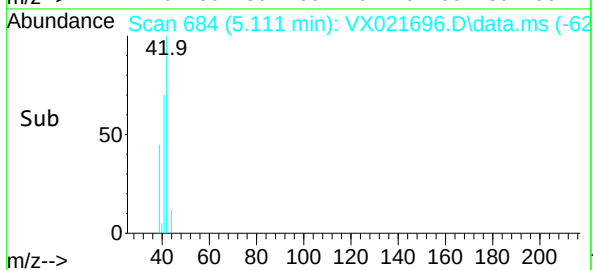
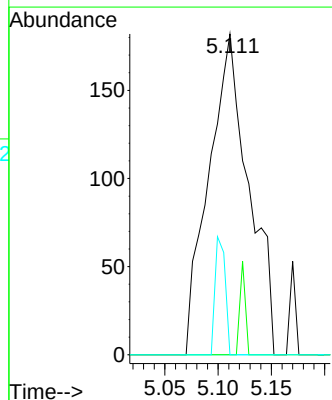
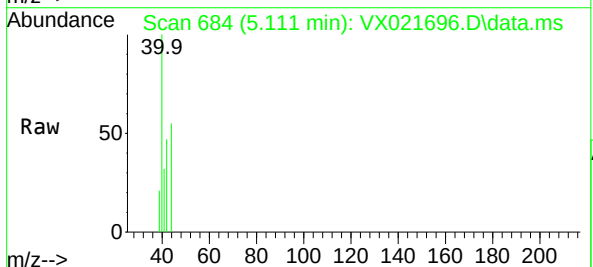
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

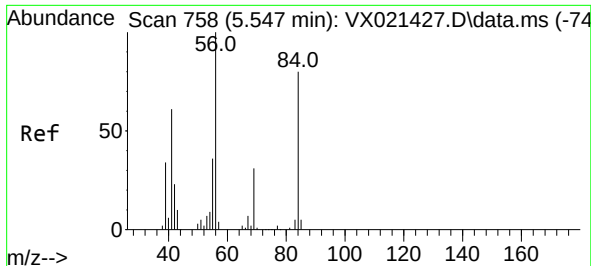
Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
72 26.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.33 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

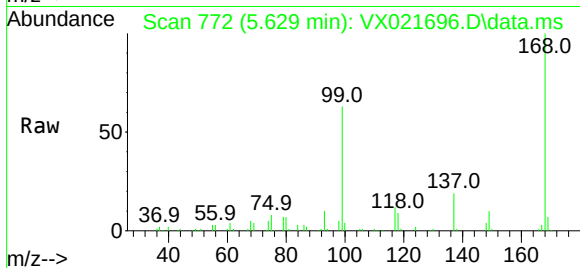
Tgt Ion: 42 Resp: 476
Ion Ratio Lower Upper
42 100
72 4.0 41.7 62.5#
71 0.0 38.4 57.6#



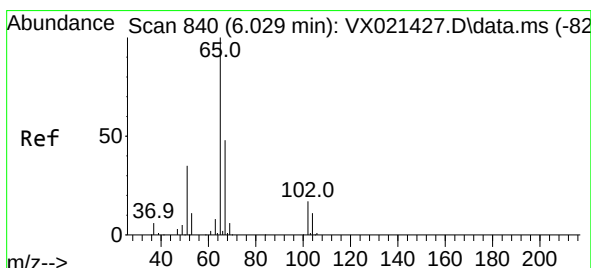
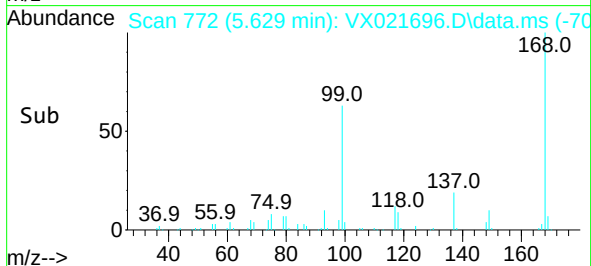
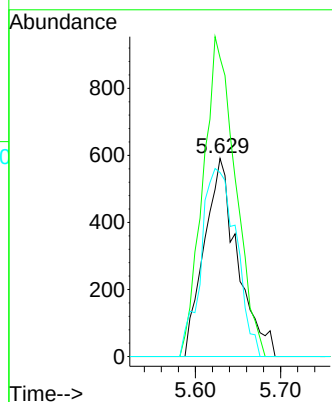


#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

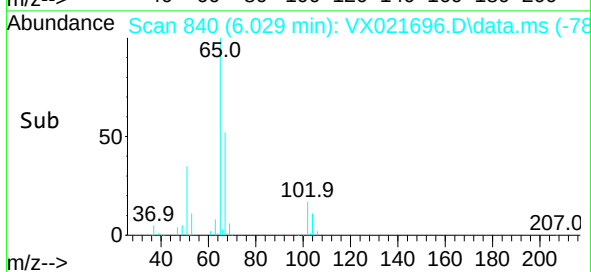
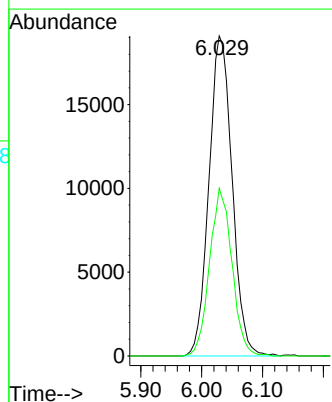
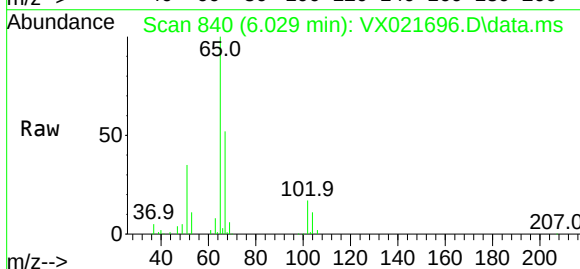


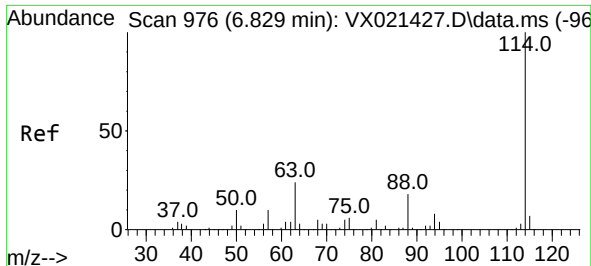
Tgt Ion: 56 Resp: 1606
Ion Ratio Lower Upper
56 100
69 150.8 25.3 37.9#
84 92.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 52.71 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 65 Resp: 50581
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

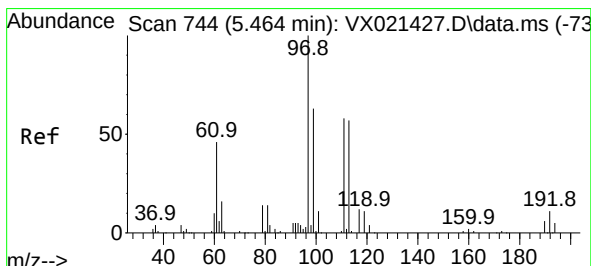
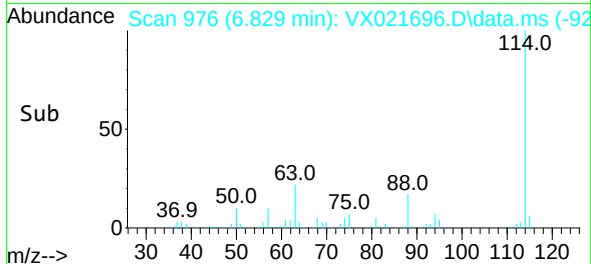
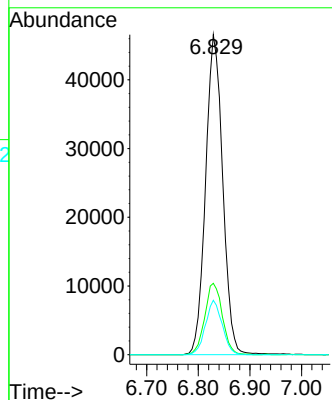
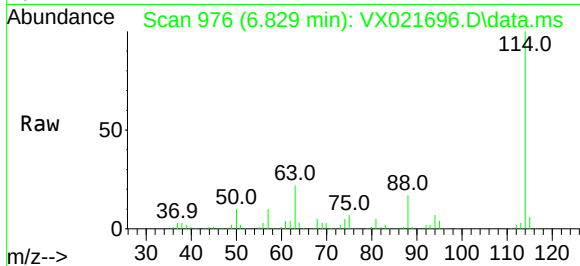




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

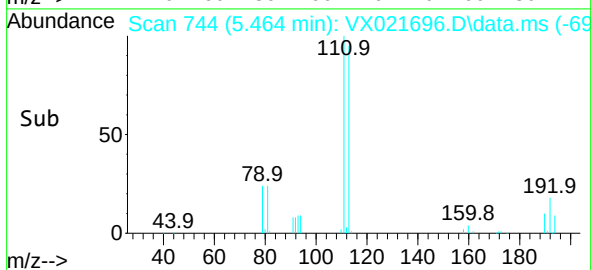
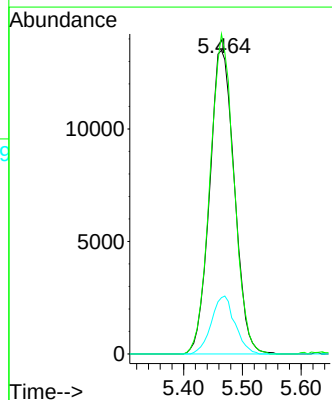
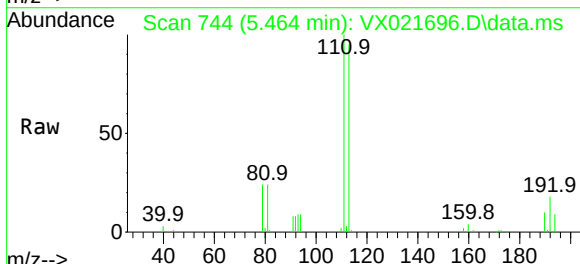
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

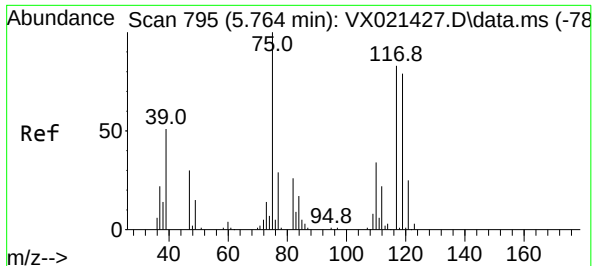
Tgt Ion:114 Resp: 107204
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.01 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion:113 Resp: 39609
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 18.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.09 ug/l

RT: 5.623 min Scan# 771

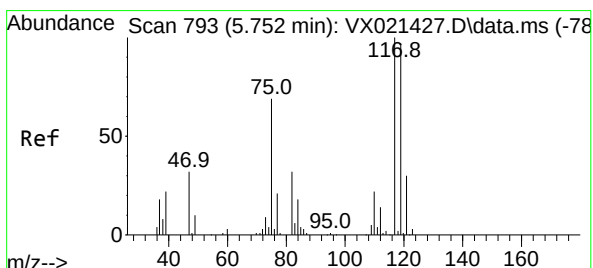
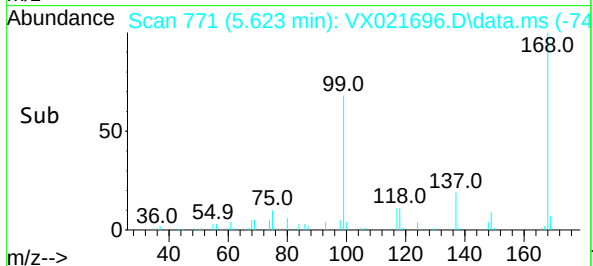
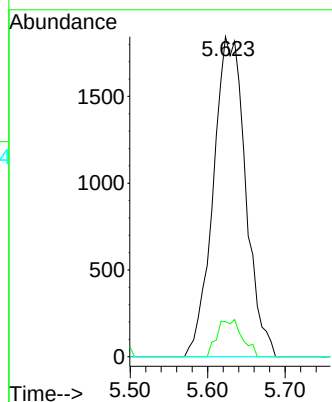
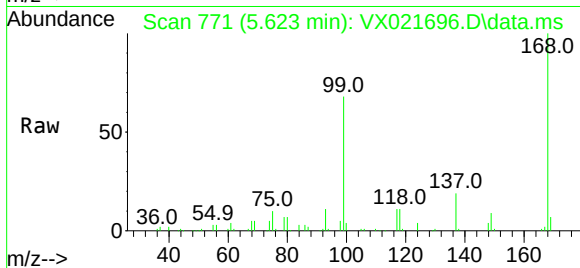
Delta R.T. -0.141 min

Lab File: VX021696.D

Acq: 31 Mar 2021 19:21

Tgt Ion:	75	Resp:	5350
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02



#38

Carbon Tetrachloride

Concen: 5.65 ug/l

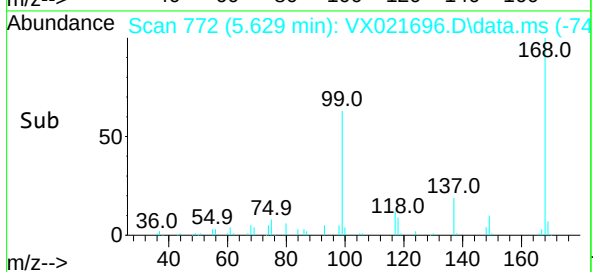
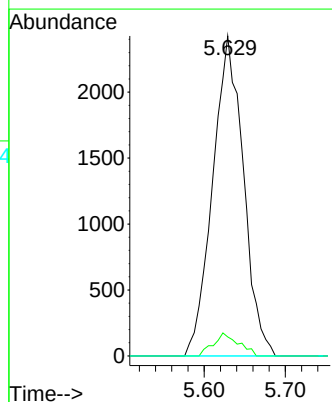
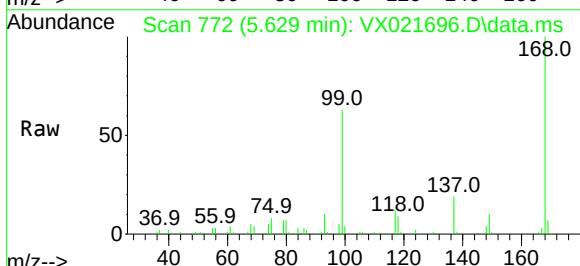
RT: 5.629 min Scan# 772

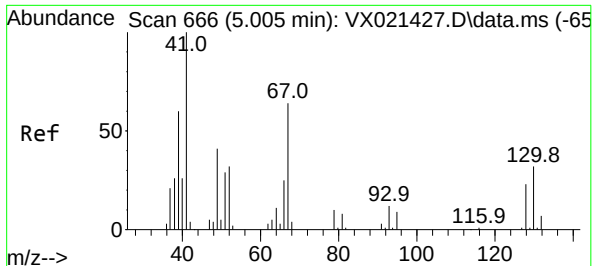
Delta R.T. -0.123 min

Lab File: VX021696.D

Acq: 31 Mar 2021 19:21

Tgt Ion:	117	Resp:	6378
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.2	114.2#
121	0.0	24.8	37.2#

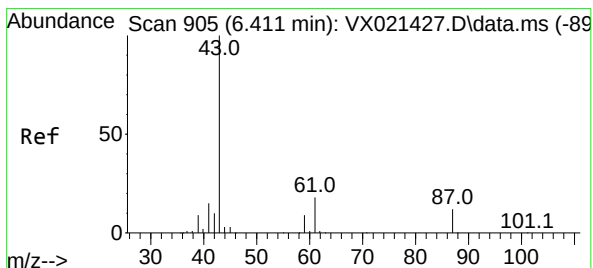
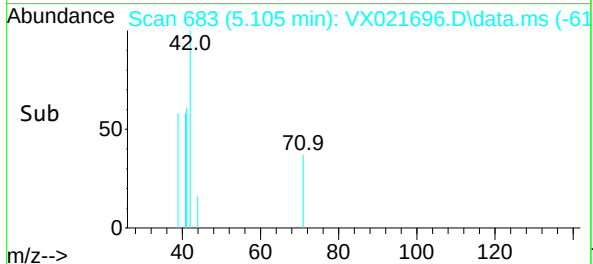
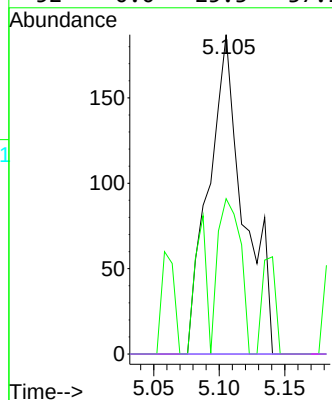
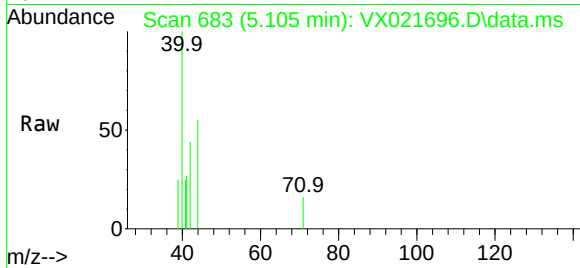




#41
Methacrylonitrile
Concen: 0.49 ug/l
RT: 5.105 min Scan# 683
Delta R.T. 0.100 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

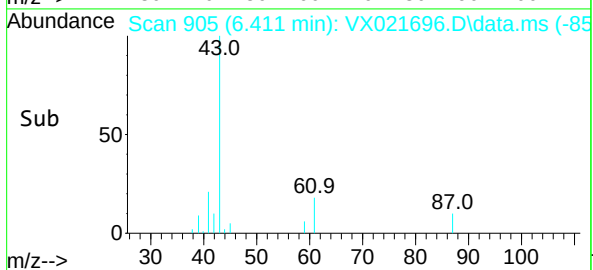
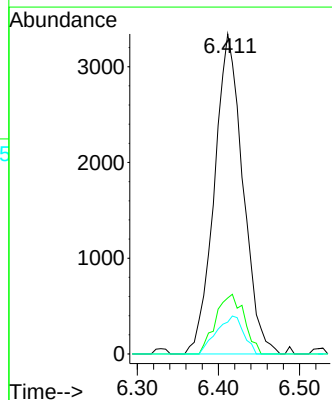
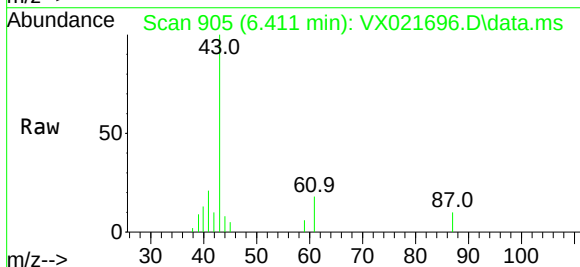
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

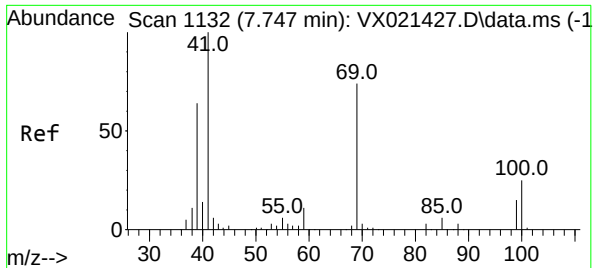
Tgt Ion:	41	Resp:	347
Ion	Ratio	Lower	Upper
41	100		
39	31.4	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.15 ug/l
RT: 6.411 min Scan# 905
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion:	43	Resp:	8175
Ion	Ratio	Lower	Upper
43	100		
61	18.5	18.2	27.4
87	11.1	12.5	18.7#

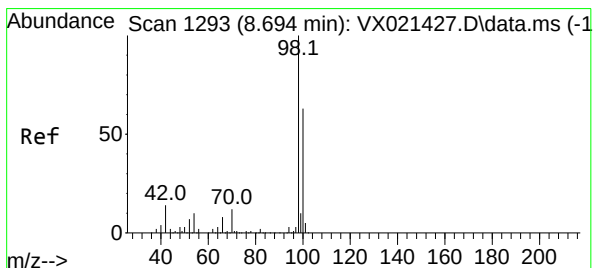
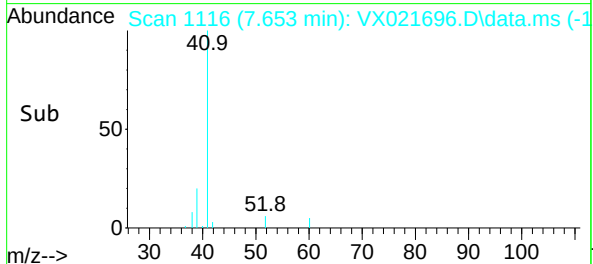
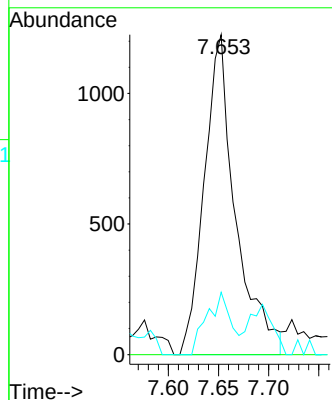
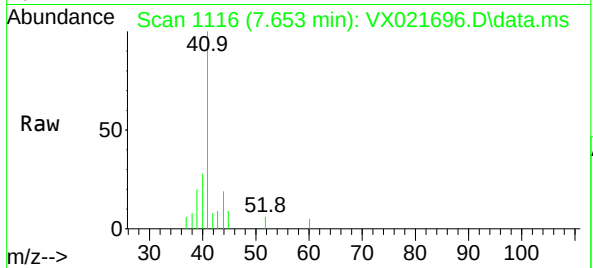




#48
Methyl methacrylate
Concen: 2.52 ug/l
RT: 7.653 min Scan# 1116
Delta R.T. -0.094 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

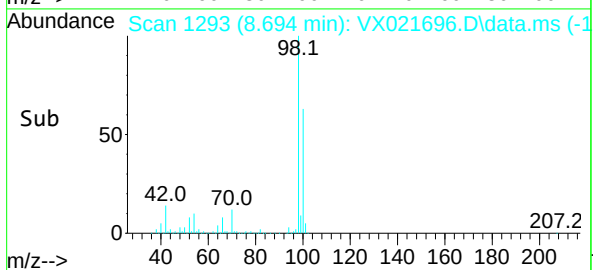
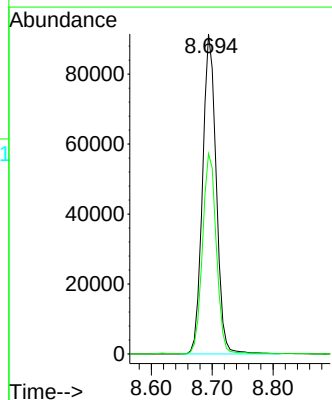
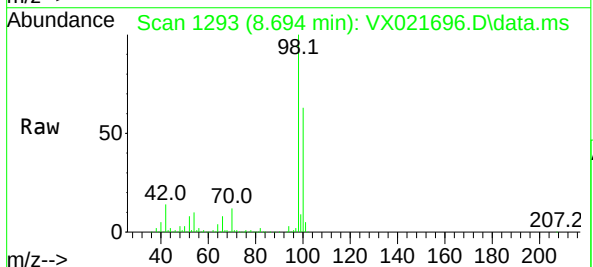
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

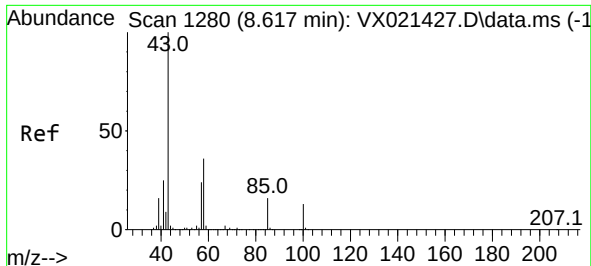
Tgt Ion: 41 Resp: 2656
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 52.69 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 98 Resp: 142975
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9

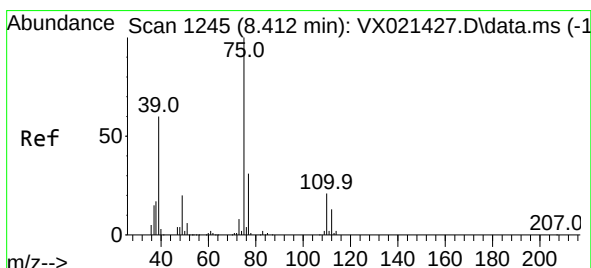
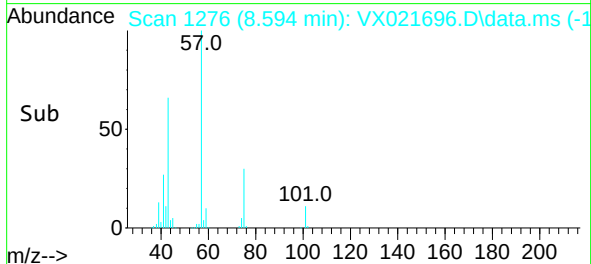
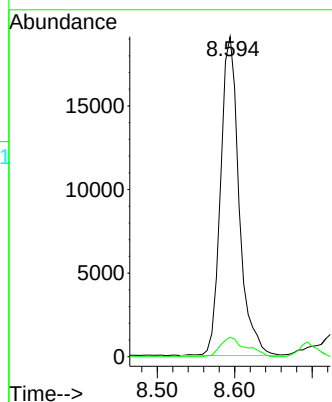
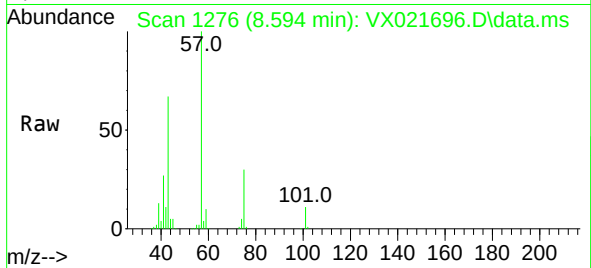




#51
4-Methyl-2-Pentanone
Concen: 26.10 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. -0.023 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

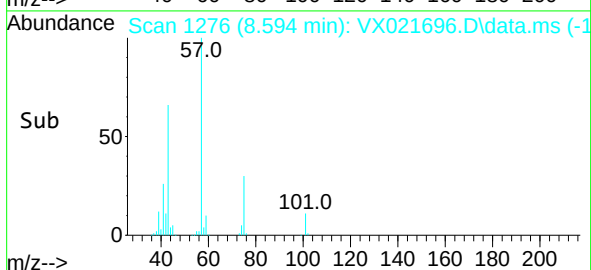
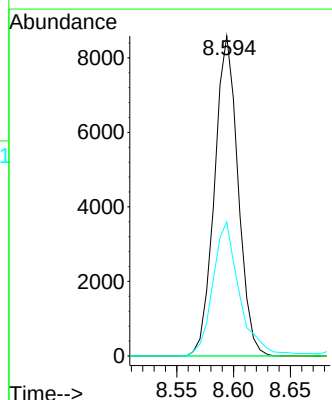
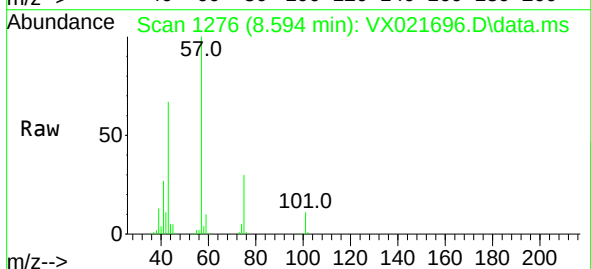
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

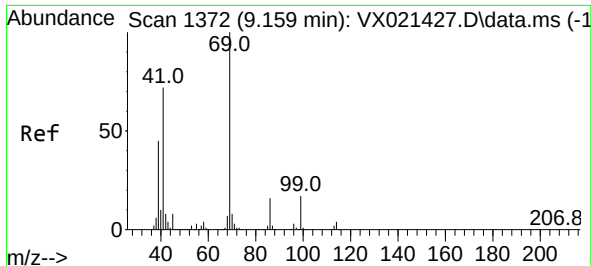
Tgt Ion: 43 Resp: 31663
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.62 ug/l
RT: 8.594 min Scan# 1276
Delta R.T. 0.182 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

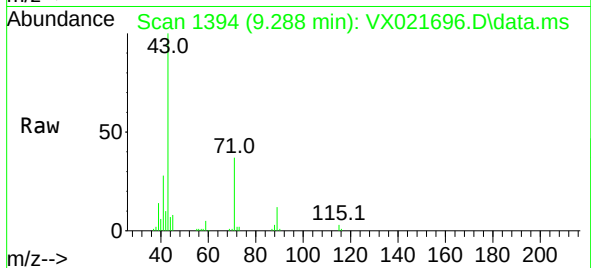
Tgt Ion: 75 Resp: 12389
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 41.9 35.1 52.7



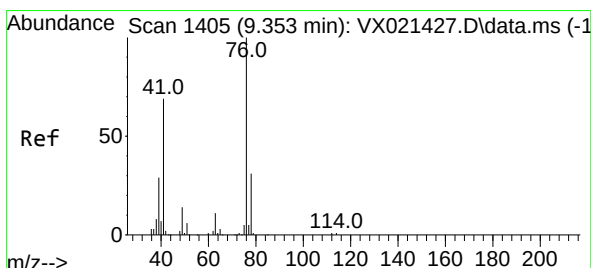
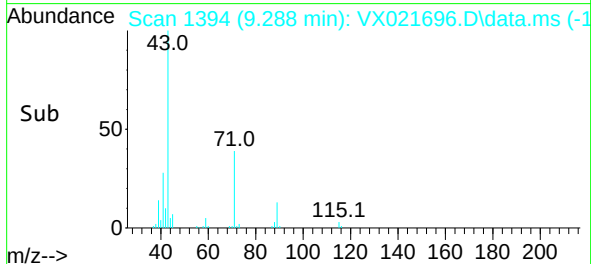
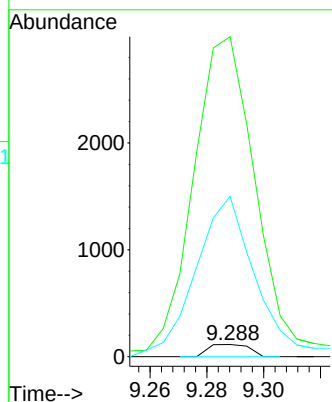


#56
Ethyl methacrylate
Concen: 2.16 ug/l
RT: 9.288 min Scan# 1394
Delta R.T. 0.129 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

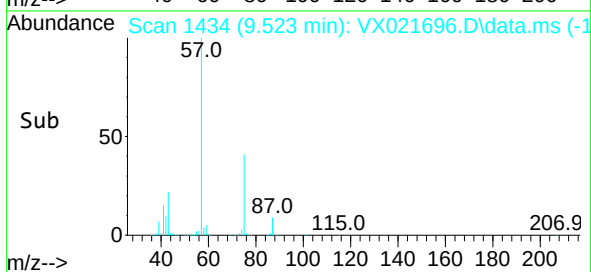
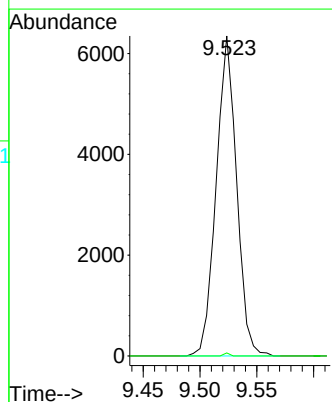
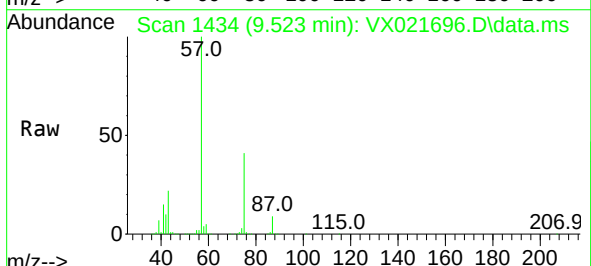


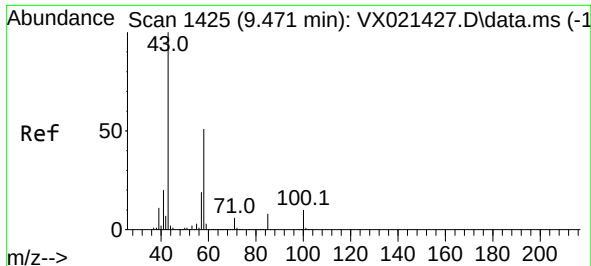
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 4035.1 46.8 70.2#
39 1903.5 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 5.97 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.170 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 76 Resp: 7941
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

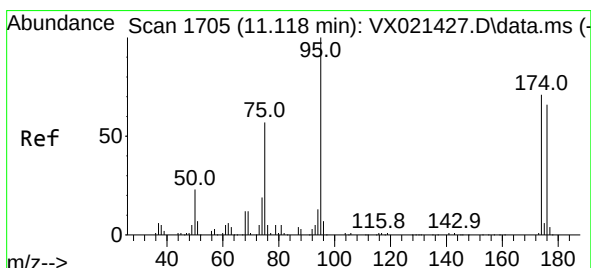
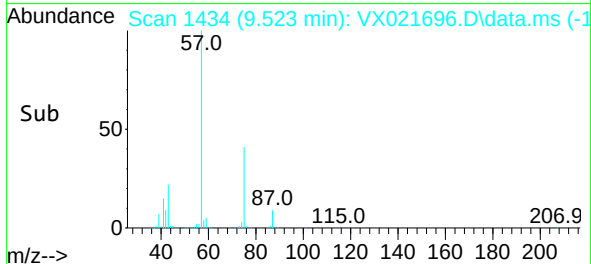
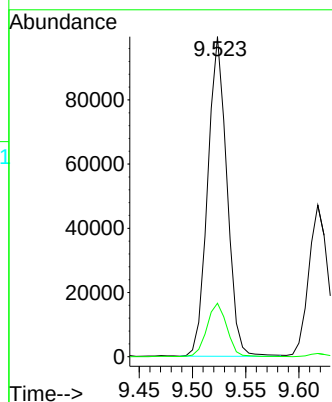
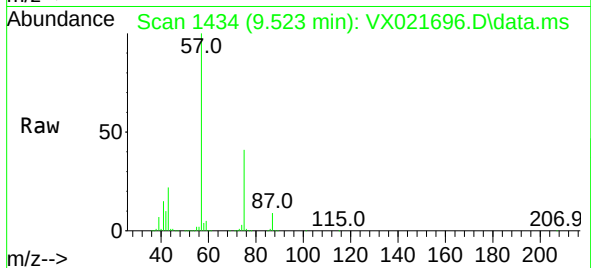




#59
2-Hexanone
Concen: 137.04 ug/l
RT: 9.523 min Scan# 1434
Delta R.T. 0.052 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

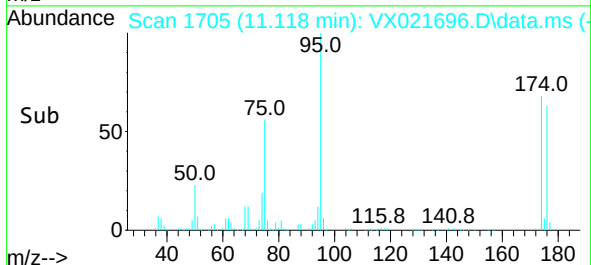
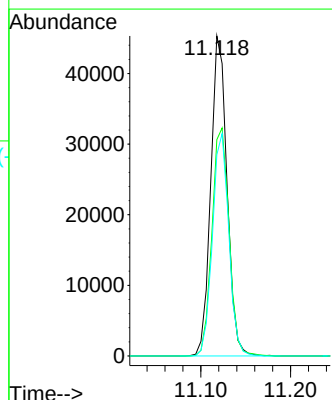
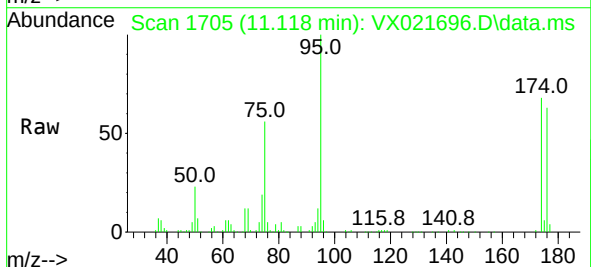
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

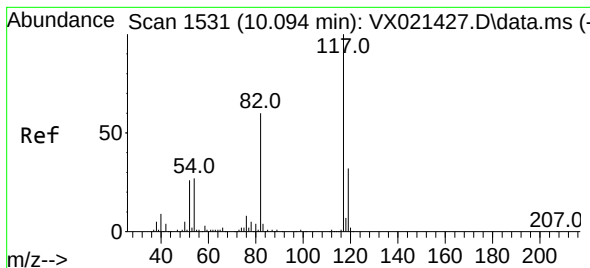
Tgt Ion: 43 Resp: 124821
Ion Ratio Lower Upper
43 100
58 17.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 53.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 95 Resp: 56906
Ion Ratio Lower Upper
95 100
174 75.2 0.0 154.6
176 70.0 0.0 155.8

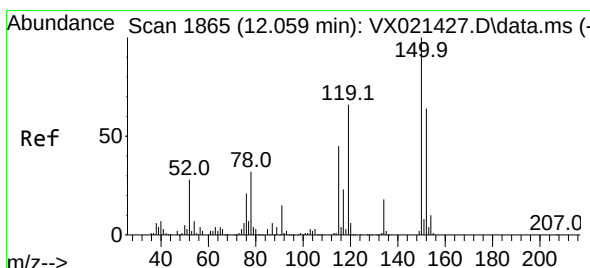
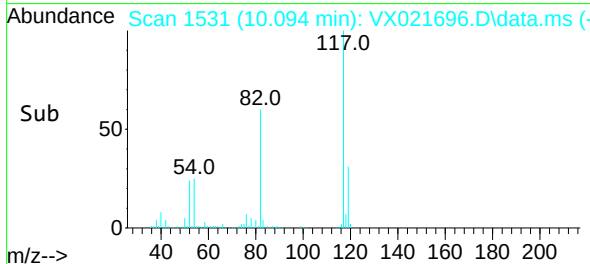
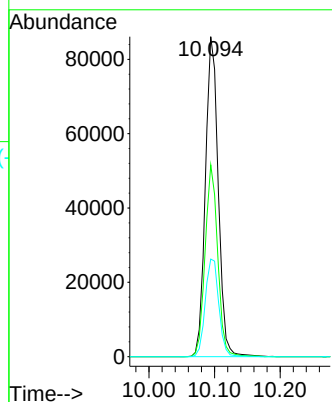
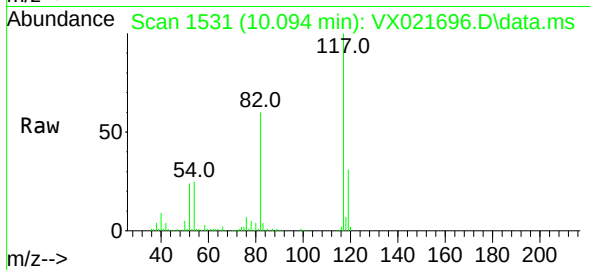




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

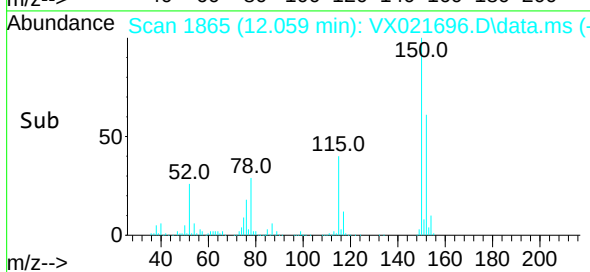
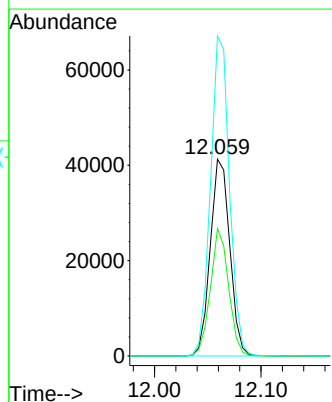
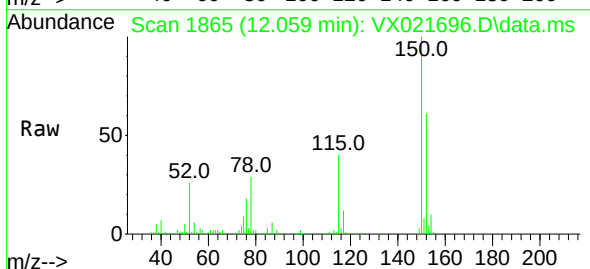
Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

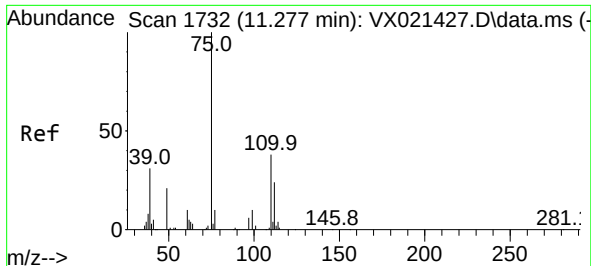
Tgt Ion:117 Resp: 117691
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 30.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion:152 Resp: 52435
Ion Ratio Lower Upper
152 100
115 60.5 41.1 123.3
150 158.0 0.0 349.0

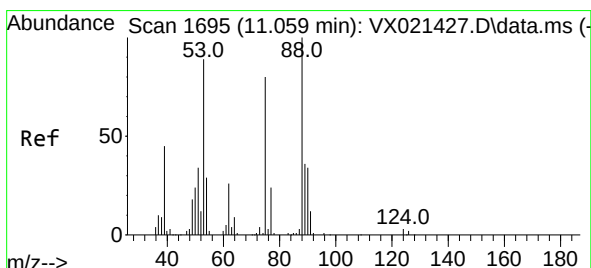
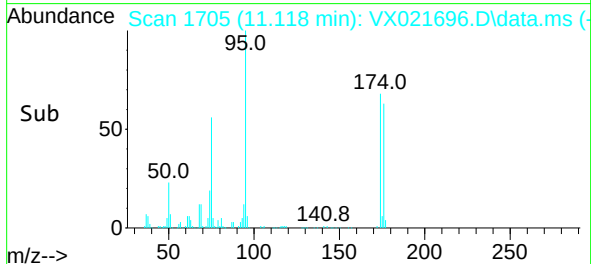
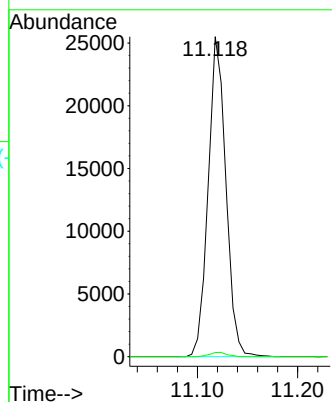
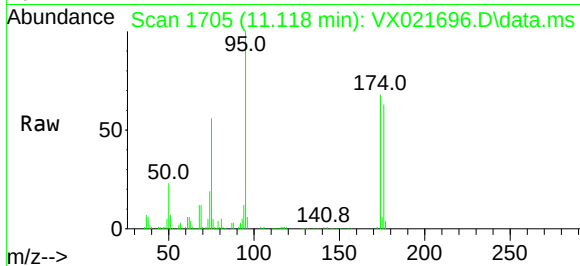




#76
1,2,3-Trichloropropane
Concen: 25.71 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Instrument :
MSVOA_X
ClientSampleId :
PB135444ZHE#02

Tgt Ion: 75 Resp: 31378
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.30 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021696.D
Acq: 31 Mar 2021 19:21

Tgt Ion: 75 Resp: 31378
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

