

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071621\
 Data File : VX023315.D
 Acq On : 16 Jul 2021 09:46
 Operator : JC/MD
 Sample : VX0716MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 17 02:06:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

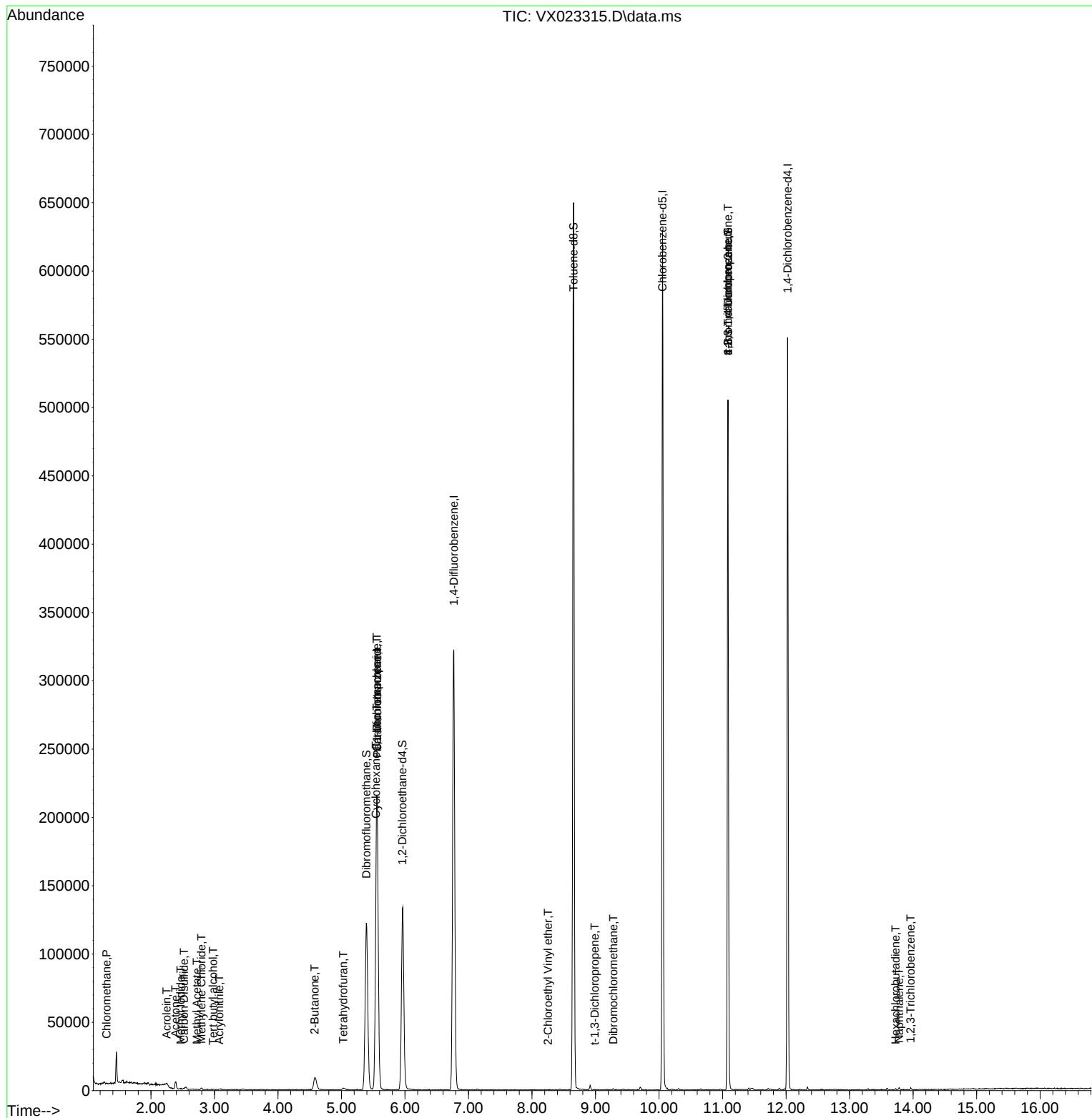
Internal Standards						
1) Pentafluorobenzene	5.562	168	200762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	326054	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137406	50.924	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.840%
35) Dibromofluoromethane	5.391	113	105423	50.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	8.653	98	380948	48.503	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.000%
62) 4-Bromofluorobenzene	11.085	95	130417	43.012	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.020%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	396	0.220	ug/l #	41
5) Bromomethane	1.587	94	56	Below Cal	#	2
10) Methyl Iodide	2.465	142	533	0.224	ug/l #	80
11) Tert butyl alcohol	2.977	59	351	0.618	ug/l #	73
13) Acrolein	2.245	56	421	1.114	ug/l	95
15) Acrylonitrile	3.075	53	277	0.251	ug/l #	58
16) Acetone	2.386	43	5979	5.601	ug/l #	88
17) Carbon Disulfide	2.520	76	952	0.252	ug/l #	75
18) Methyl Acetate	2.721	43	558	0.215	ug/l #	47
20) Methylene Chloride	2.794	84	549	0.239	ug/l #	74
25) 2-Butanone	4.574	43	475	0.295	ug/l #	87
29) Tetrahydrofuran	5.025	42	1206	1.165	ug/l #	43
31) Cyclohexane	5.544	56	4366	1.351	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	16013	5.509	ug/l #	49
38) Carbon Tetrachloride	5.556	117	21145	6.969	ug/l #	17
53) t-1,3-Dichloropropene	8.988	75	147	2.775	ug/l #	44
58) 2-Chloroethyl Vinyl ether	8.250	63	40	4.710	ug/l #	45
60) Dibromochloromethane	9.281	129	119	3.156	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	68111	30.956	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	68111	82.966	ug/l #	12
94) Hexachlorobutadiene	13.725	225	228	0.243	ug/l	93
95) Naphthalene	13.780	128	1302	1.431	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.963	180	492	0.221	ug/l	83

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

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QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

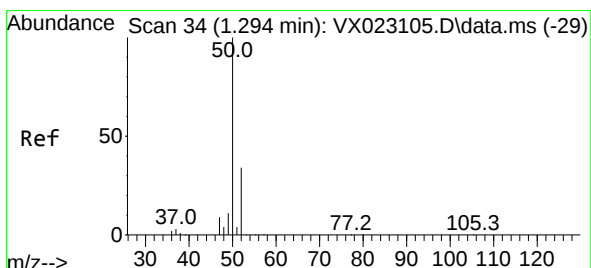
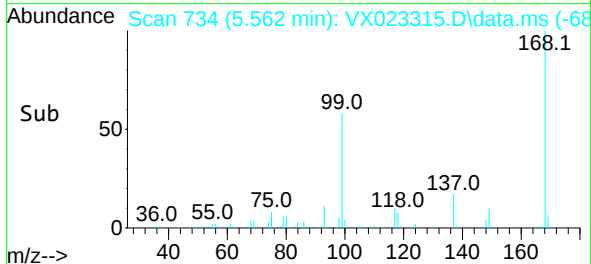
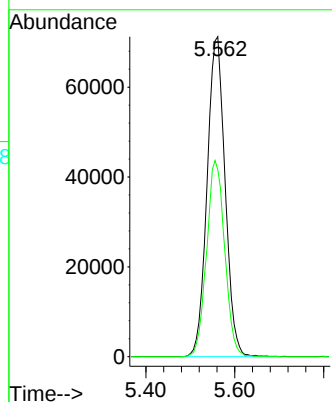
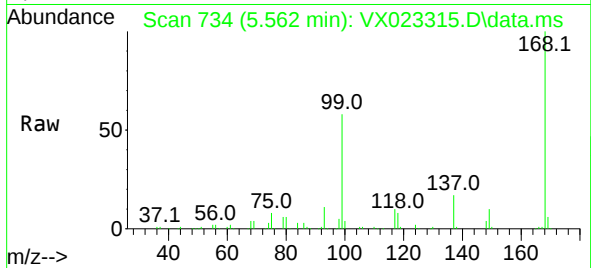




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

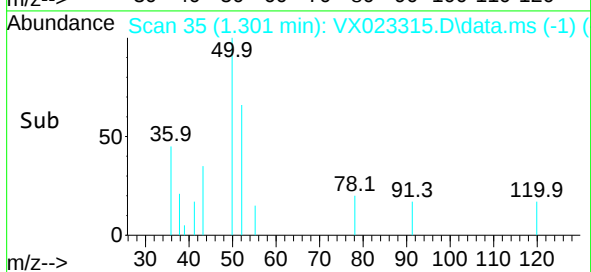
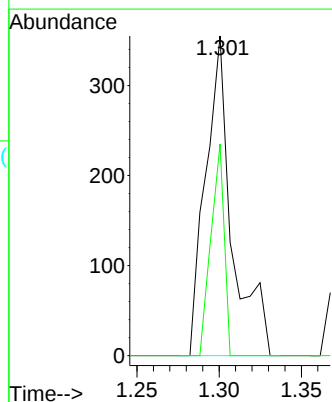
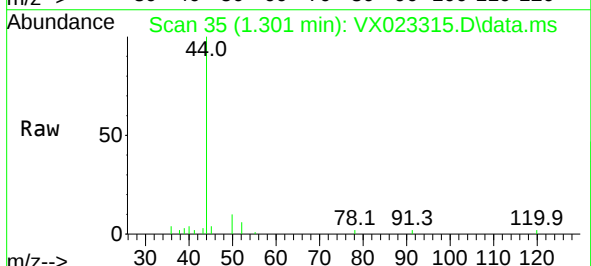
Instrument :
MSVOA_X
ClientSampleId :

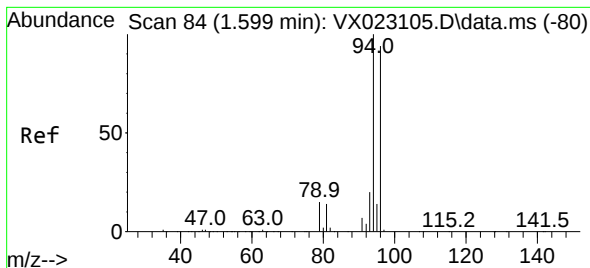
Tgt Ion:168 Resp: 200762
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 66.2 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.587 min Scan# 82

Delta R.T. -0.012 min

Lab File: VX023315.D

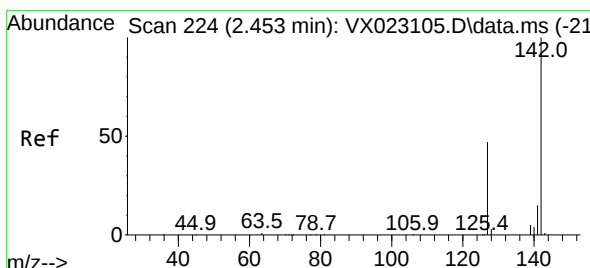
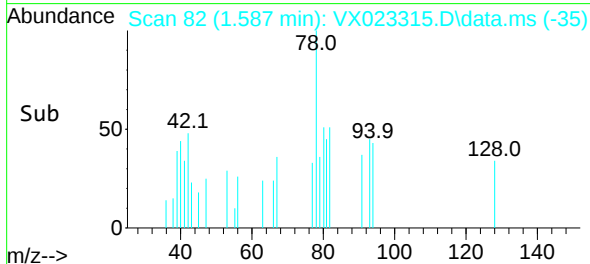
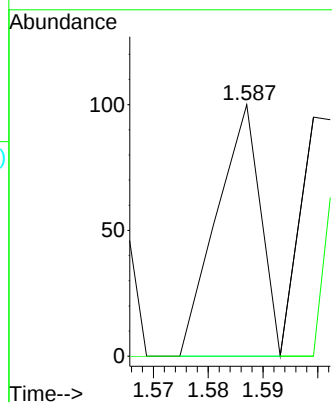
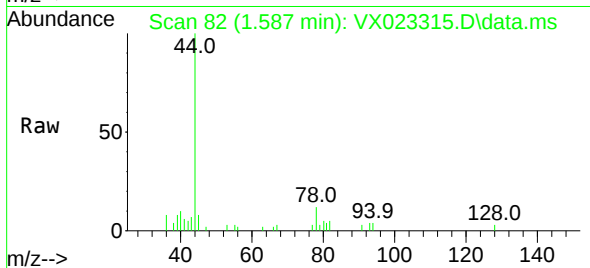
Acq: 16 Jul 2021 09:46

Tgt Ion: 94 Resp: 56

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#



#10

Methyl Iodide

Concen: 0.224 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.012 min

Lab File: VX023315.D

Acq: 16 Jul 2021 09:46

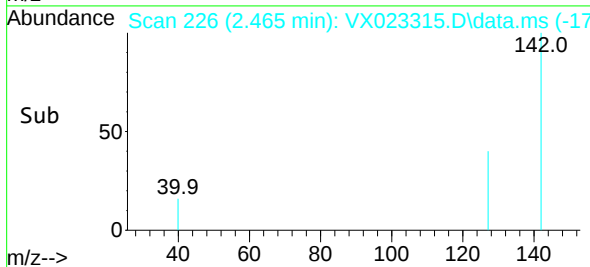
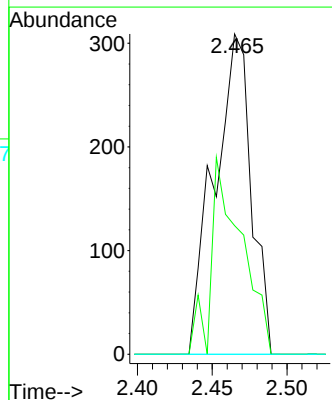
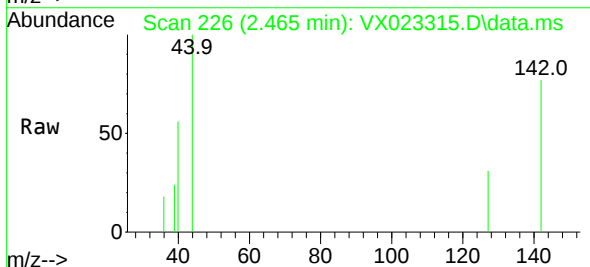
Tgt Ion: 142 Resp: 533

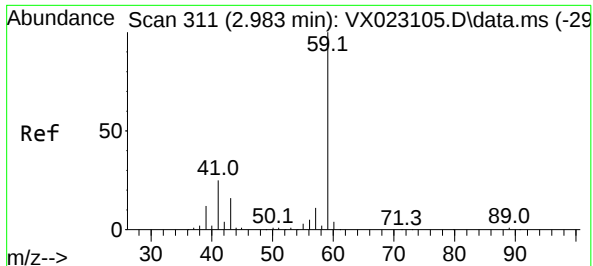
Ion Ratio Lower Upper

142 100

127 50.8 33.3 49.9#

141 0.0 11.4 17.0#



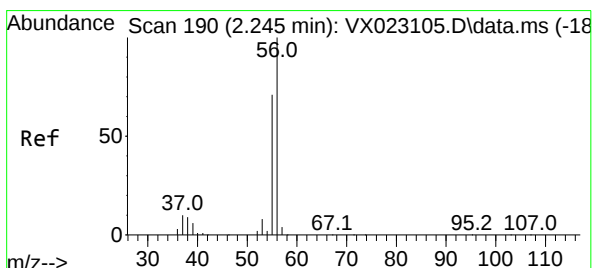
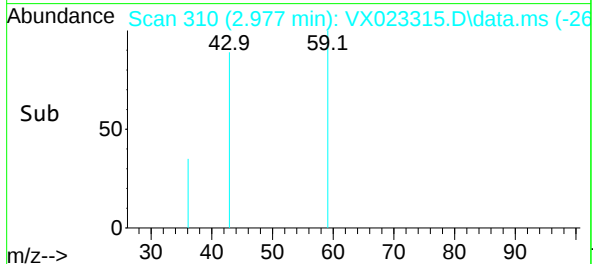
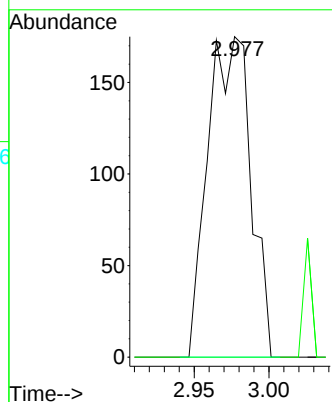
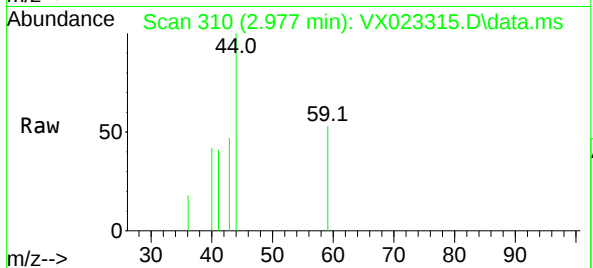


#11

Tert butyl alcohol
Concen: 0.618 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Instrument :
MSVOA_X
ClientSampled :

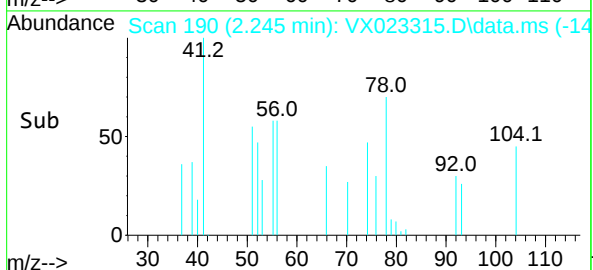
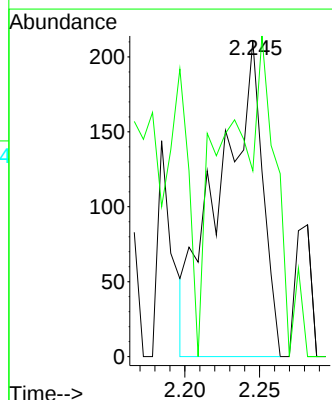
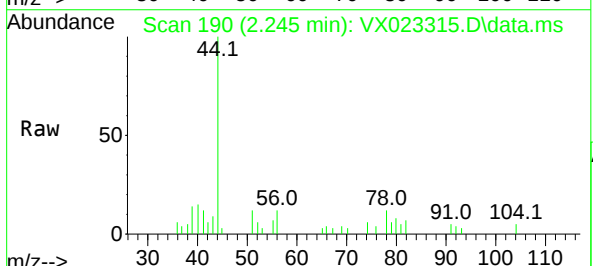
Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

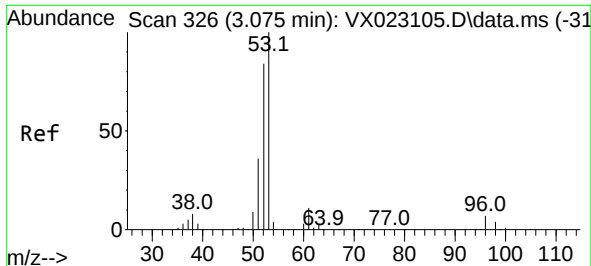


#13

Acrolein
Concen: 1.114 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 56 Resp: 421
Ion Ratio Lower Upper
56 100
55 74.6 56.4 84.6

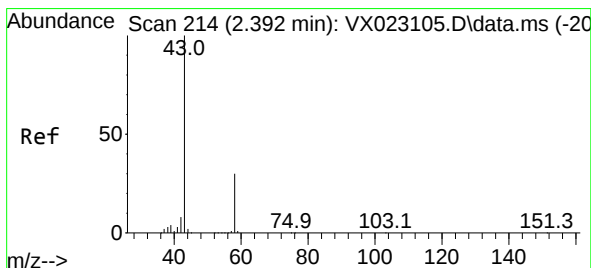
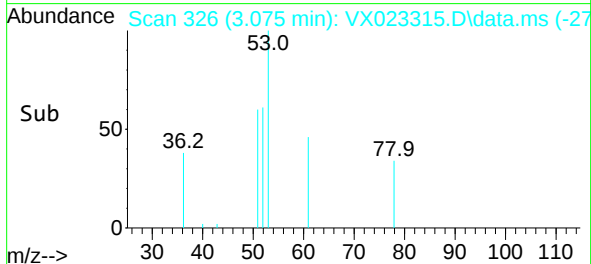
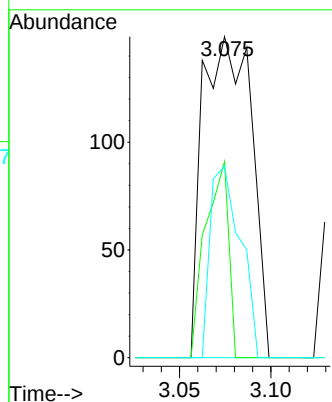
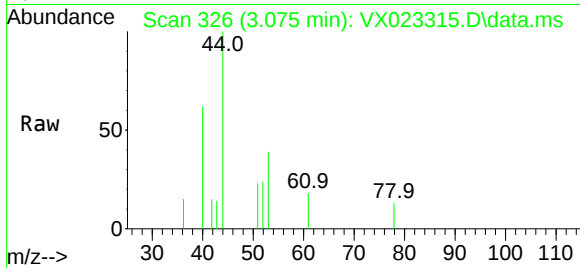




#15
Acrylonitrile
Concen: 0.251 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

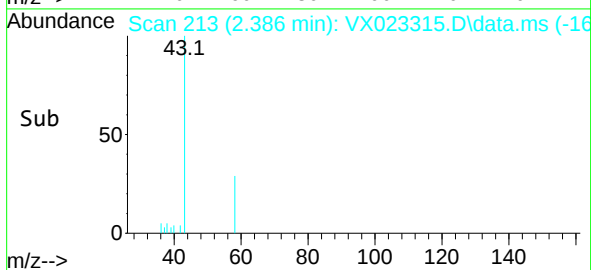
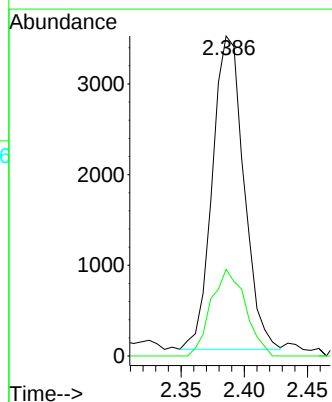
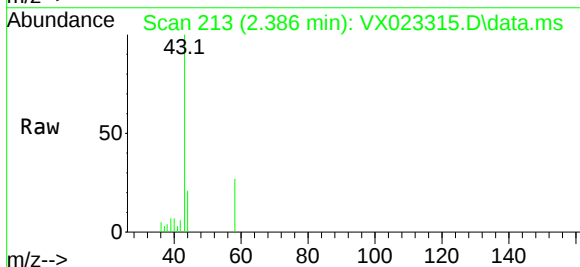
Instrument :
MSVOA_X
ClientSampled :

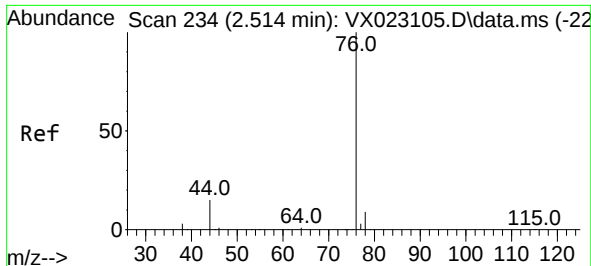
Tgt Ion: 53 Resp: 277
Ion Ratio Lower Upper
53 100
52 28.9 65.3 97.9#
51 36.8 28.2 42.2



#16
Acetone
Concen: 5.601 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 43 Resp: 5979
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#

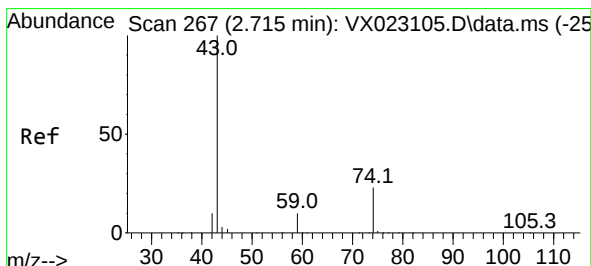
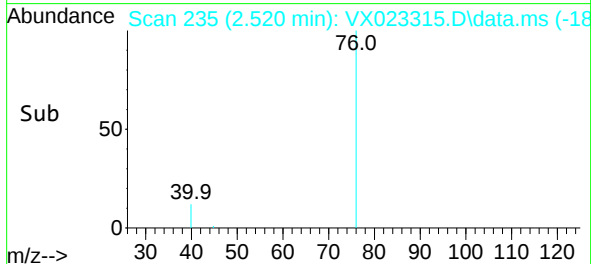
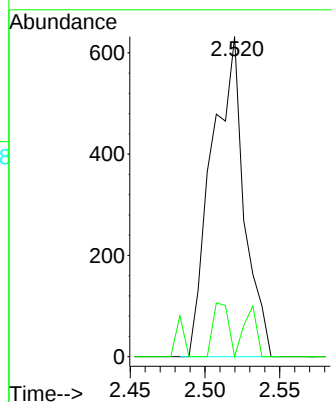
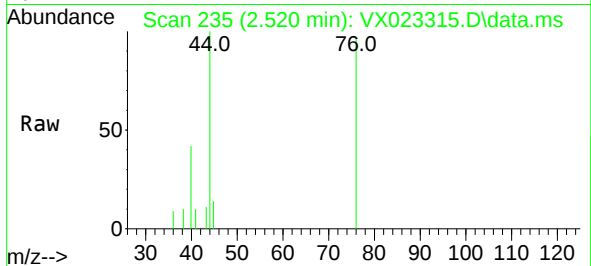




#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

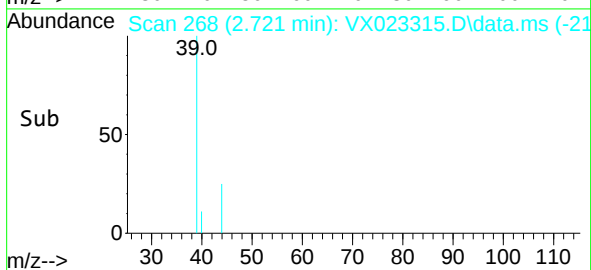
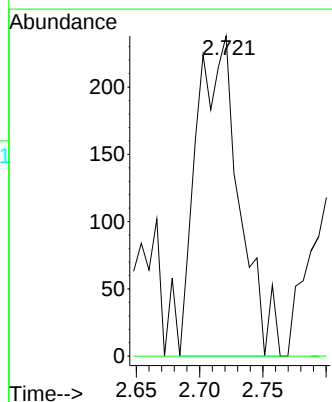
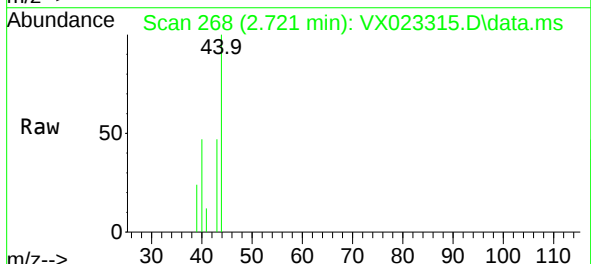
Instrument :
MSVOA_X
ClientSampleId :

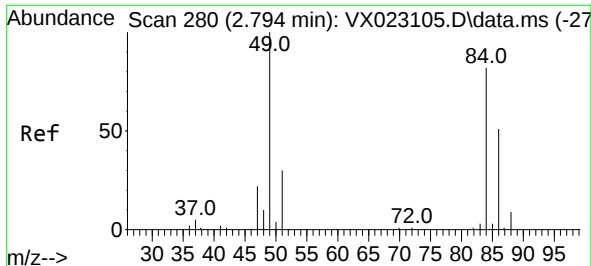
Tgt Ion: 76 Resp: 952
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

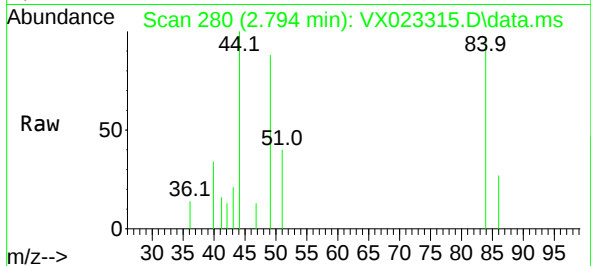
Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



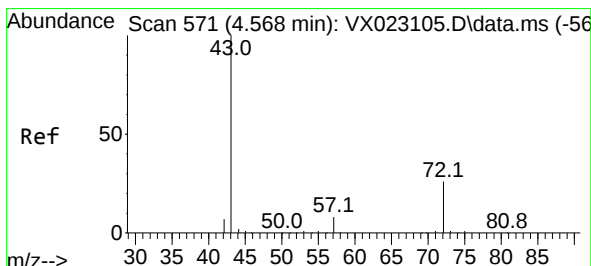
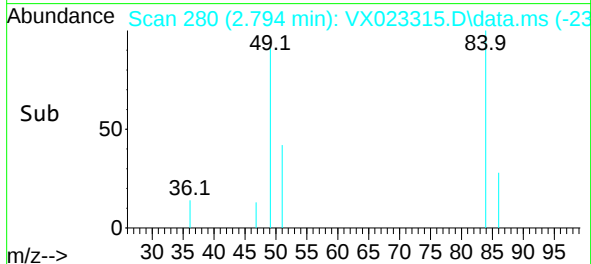
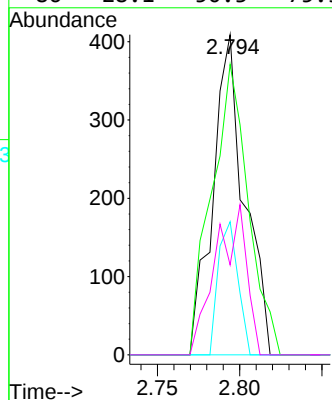


#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Instrument :
MSVOA_X
ClientSampleId :

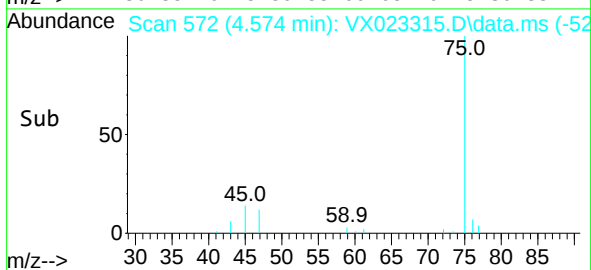
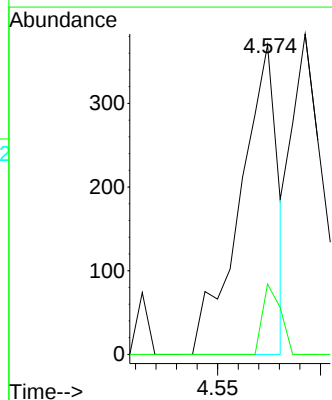
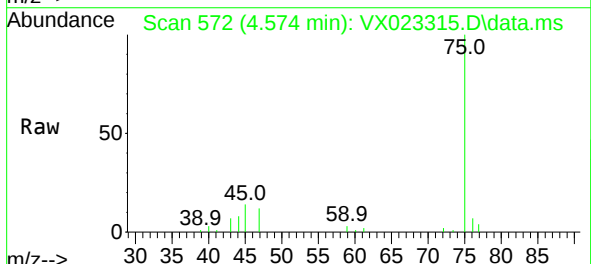


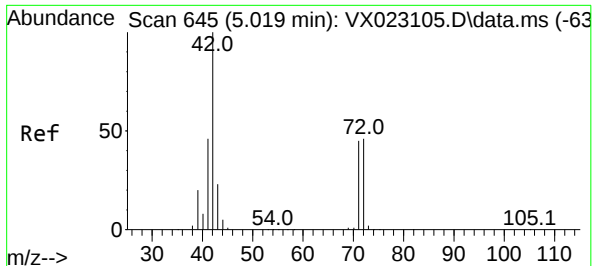
Tgt Ion:	84	Resp:	549
Ion	Ratio	Lower	Upper
84	100		
49	90.7	88.6	132.8
51	41.6	27.0	40.6#
86	28.1	50.3	75.5#



#25
2-Butanone
Concen: 0.295 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion:	43	Resp:	475
Ion	Ratio	Lower	Upper
43	100		
72	22.7	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.165 ug/l

RT: 5.025 min Scan# 646

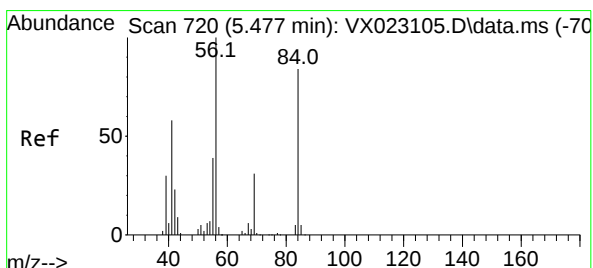
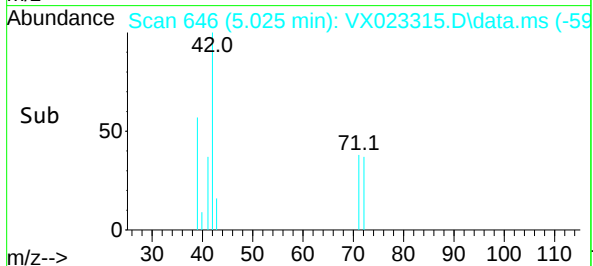
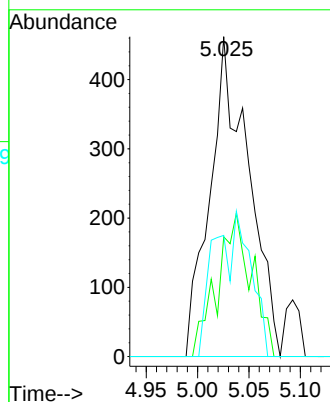
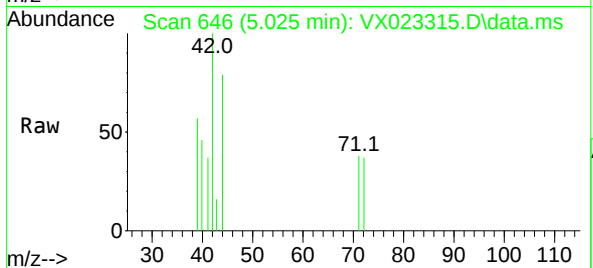
Delta R.T. 0.006 min

Lab File: VX023315.D

Acq: 16 Jul 2021 09:46

Tgt Ion:	42	Resp:	1206
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	21.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.351 ug/l

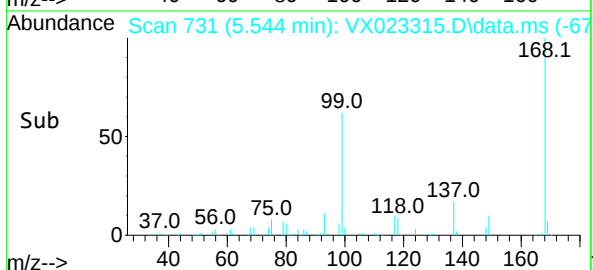
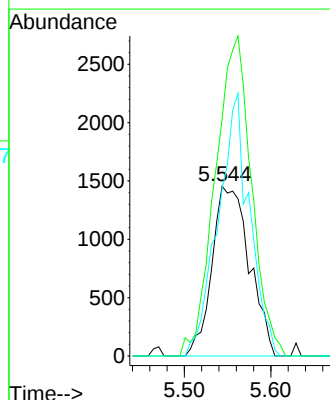
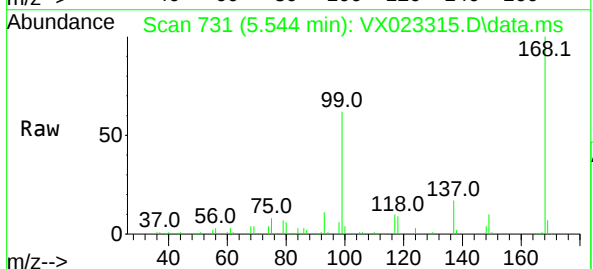
RT: 5.544 min Scan# 731

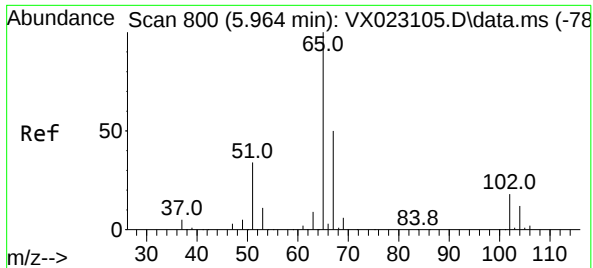
Delta R.T. 0.067 min

Lab File: VX023315.D

Acq: 16 Jul 2021 09:46

Tgt Ion:	56	Resp:	4366
Ion	Ratio	Lower	Upper
56	100		
69	139.7	25.3	37.9#
84	98.2	71.4	107.0

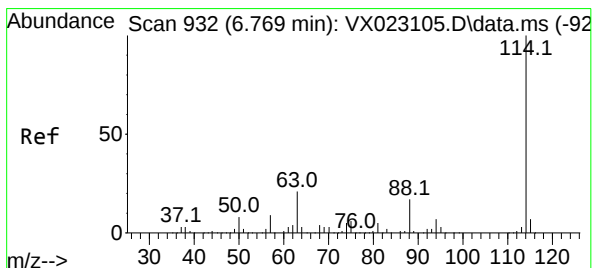
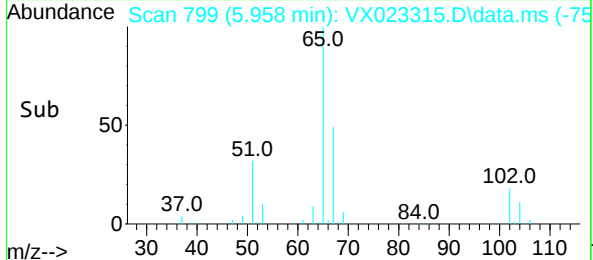
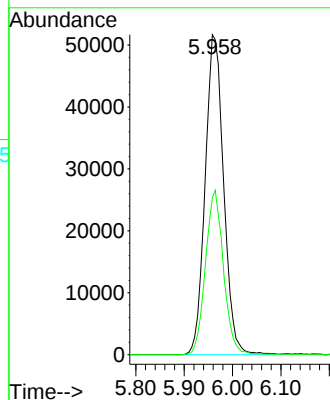
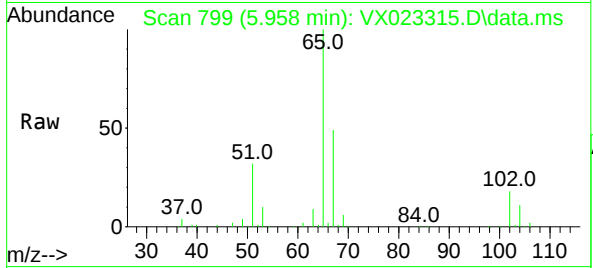




#33
 1,2-Dichloroethane-d4
 Concen: 50.924 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX023315.D
 Acq: 16 Jul 2021 09:46

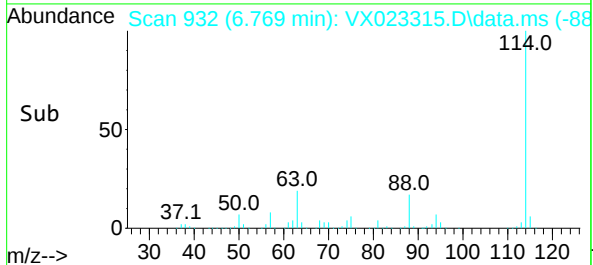
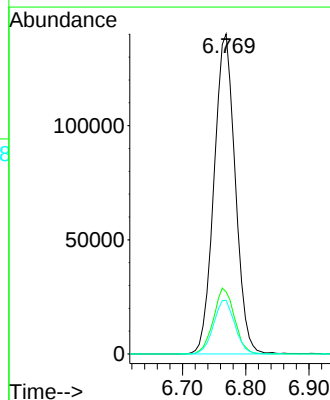
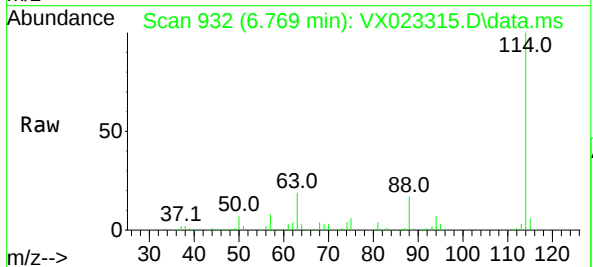
Instrument :
 MSVOA_X
 ClientSampled :

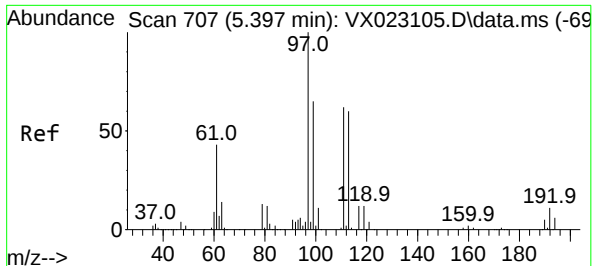
Tgt Ion: 65 Resp: 137406
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023315.D
 Acq: 16 Jul 2021 09:46

Tgt Ion: 114 Resp: 326054
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.8
 88 16.8 0.0 32.8

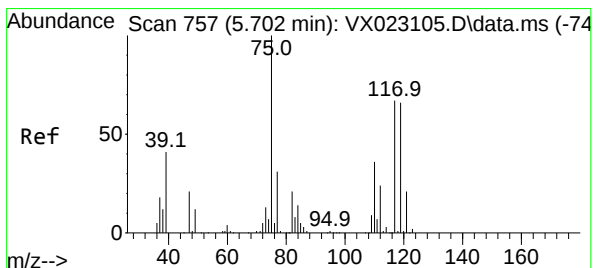
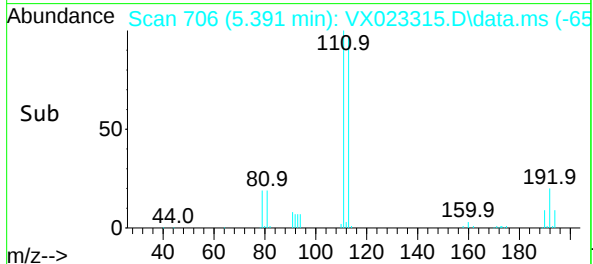
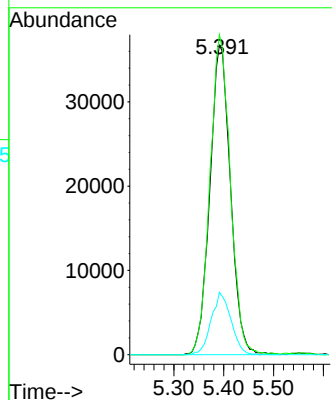
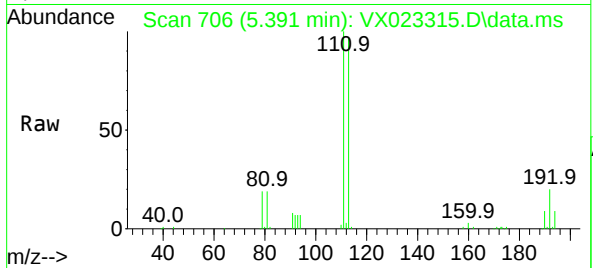




#35
Dibromofluoromethane
Concen: 50.070 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

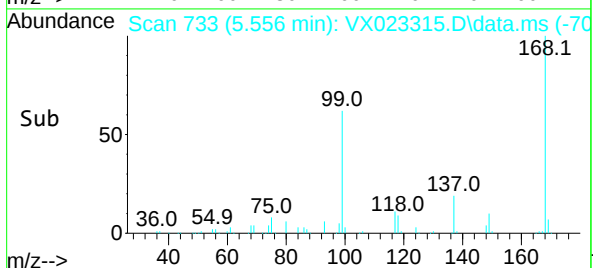
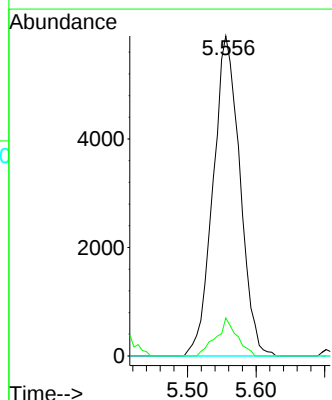
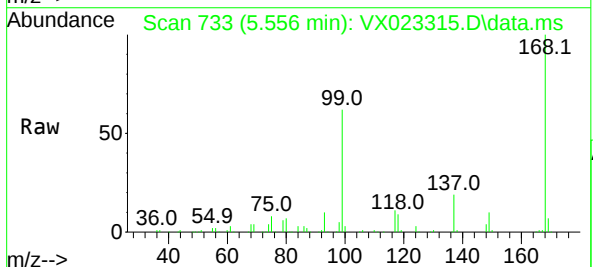
Instrument :
MSVOA_X
ClientSampleId :

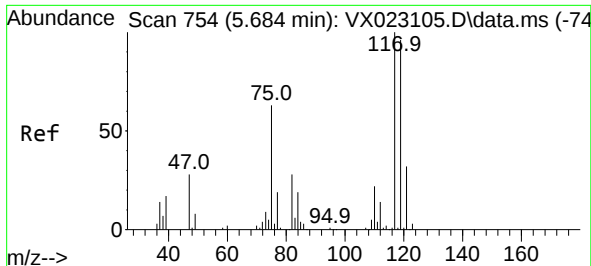
Tgt Ion:113 Resp: 105423
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.509 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

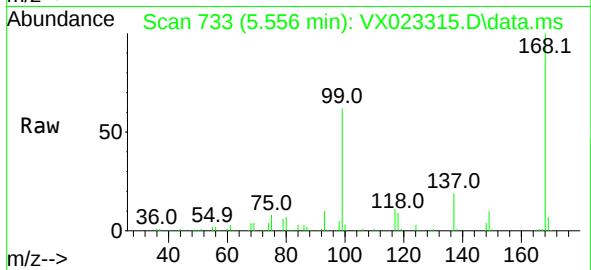
Tgt Ion: 75 Resp: 16013
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



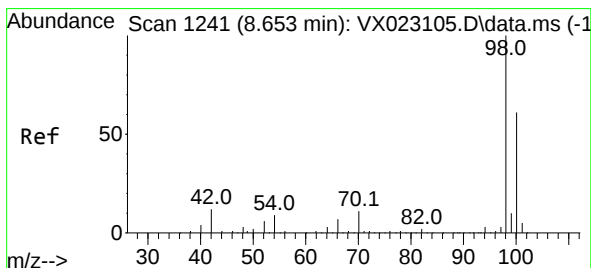
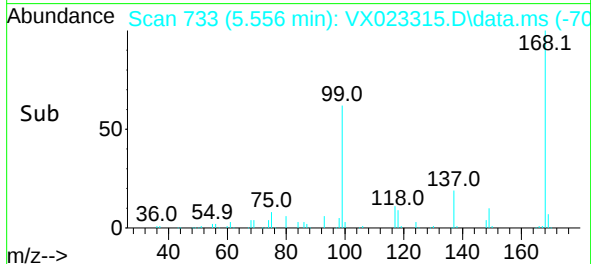
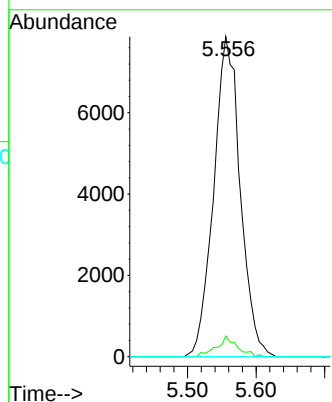


#38
Carbon Tetrachloride
Concen: 6.969 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Instrument :
MSVOA_X
ClientSampled :

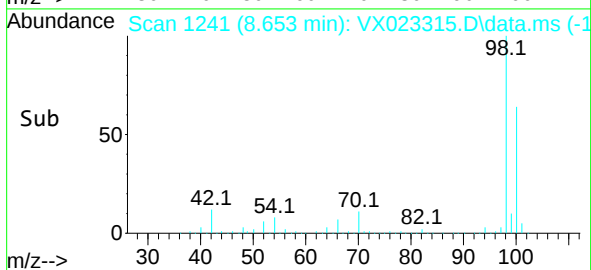
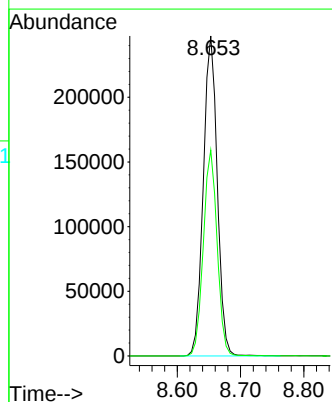
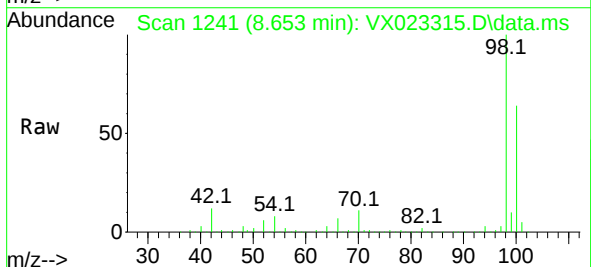


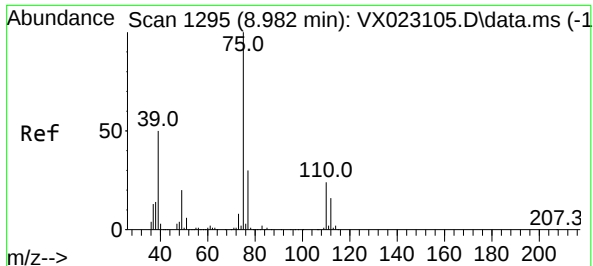
Tgt Ion:117 Resp: 21145
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.503 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 98 Resp: 380948
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

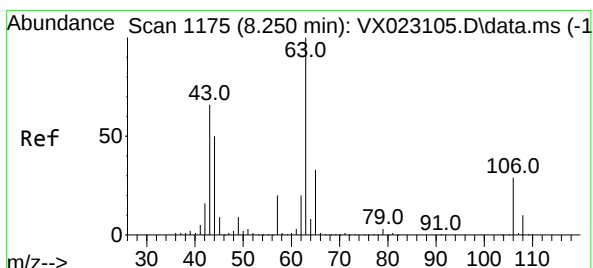
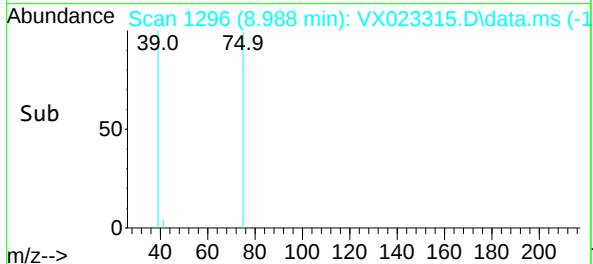
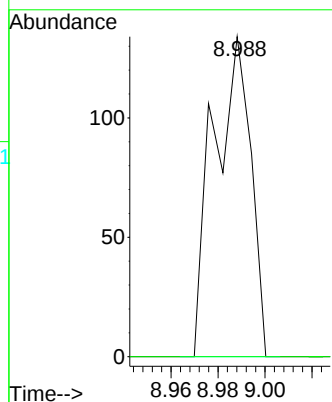
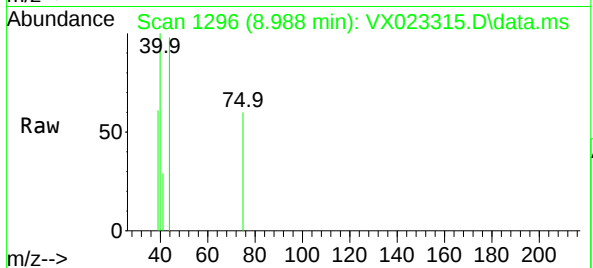




#53
t-1,3-Dichloropropene
Concen: 2.775 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

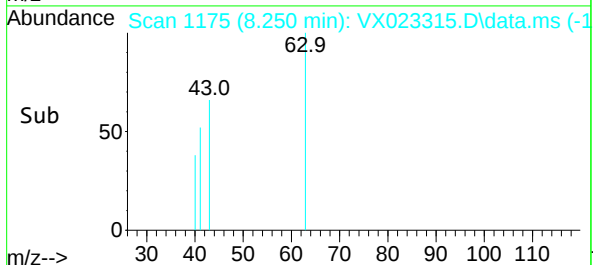
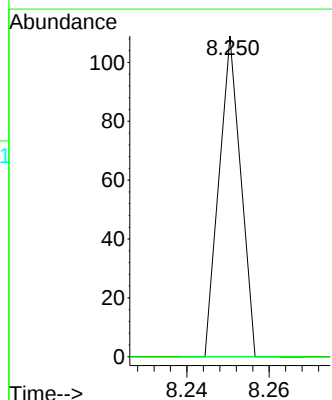
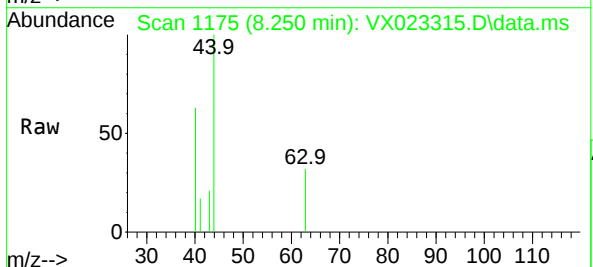
Instrument :
MSVOA_X
ClientSampleId :

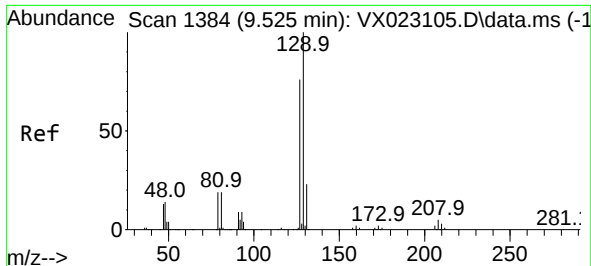
Tgt Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#58
2-Chloroethyl Vinyl ether
Concen: 4.710 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

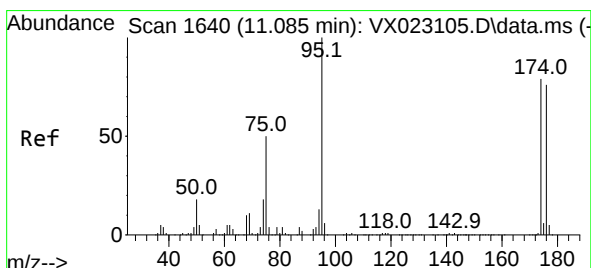
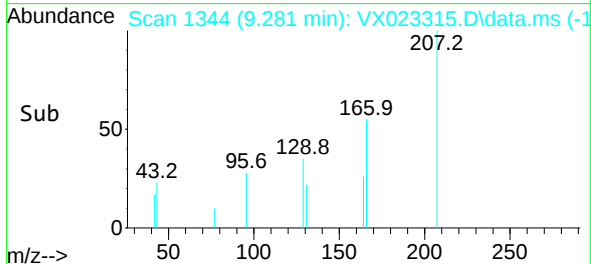
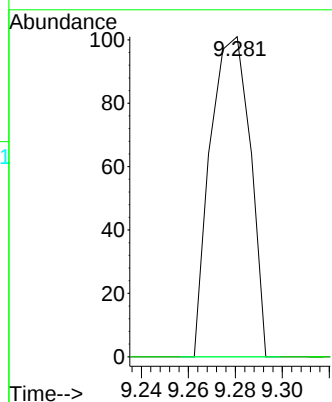
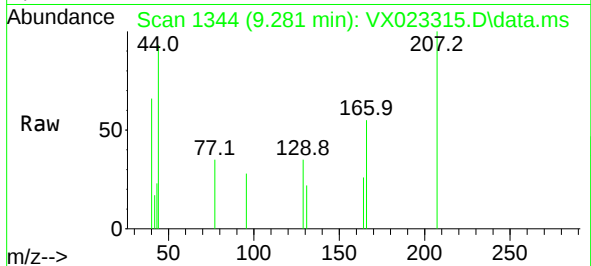




#60
Dibromochloromethane
Concen: 3.156 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

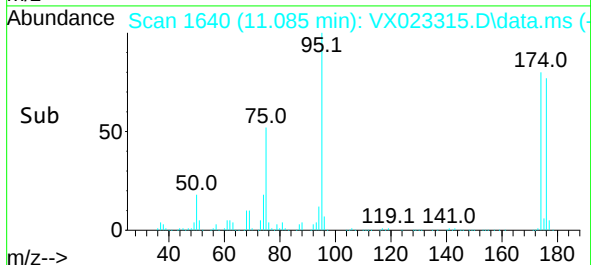
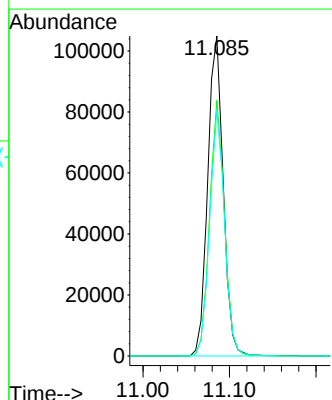
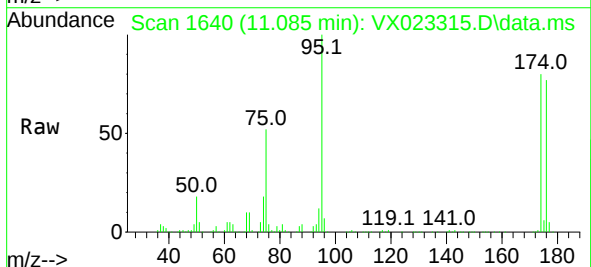
Instrument :
MSVOA_X
ClientSampleId :

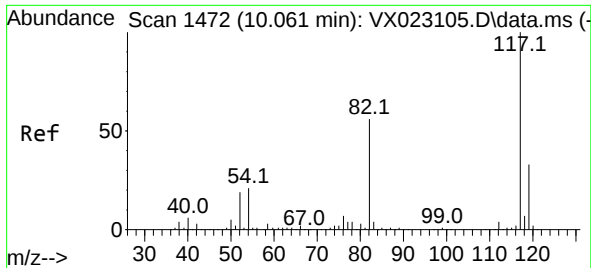
Tgt Ion:129 Resp: 119
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 43.012 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 95 Resp: 130417
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 73.5 0.0 155.8

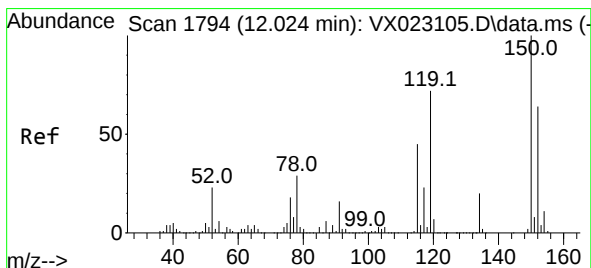
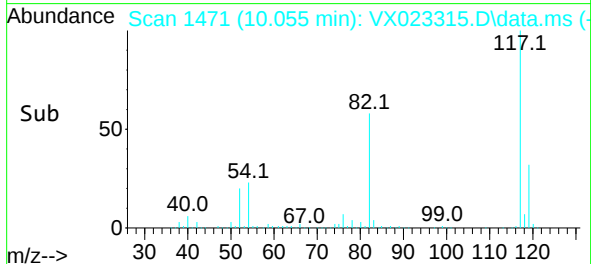
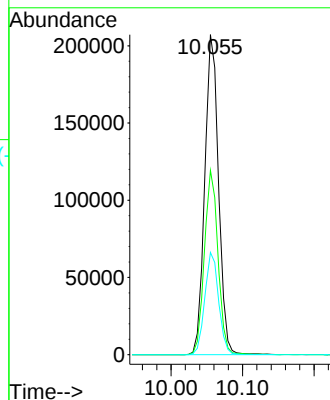
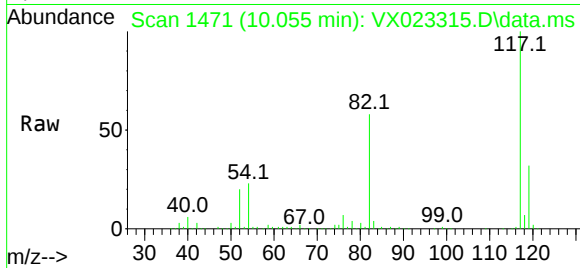




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

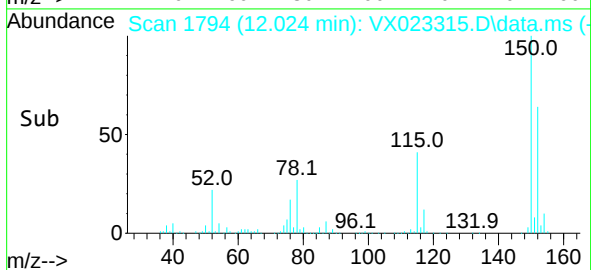
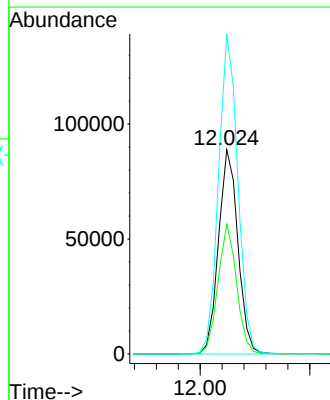
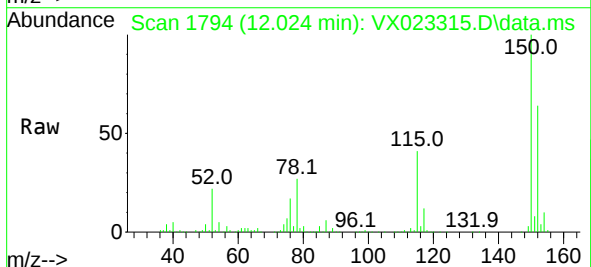
Instrument :
MSVOA_X
ClientSampled :

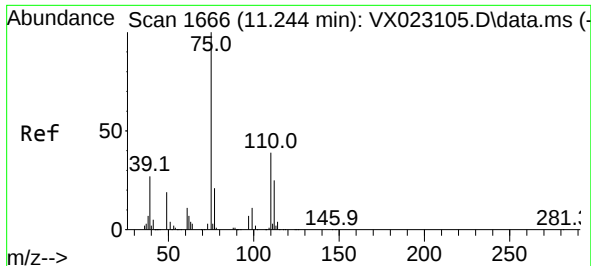
Tgt Ion:117 Resp: 277459
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion:152 Resp: 109337
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 155.8 0.0 349.0

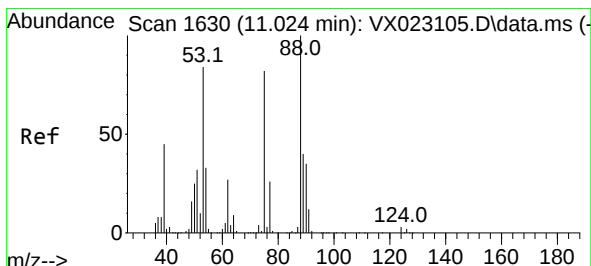
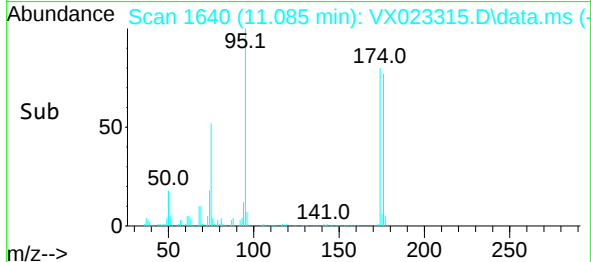
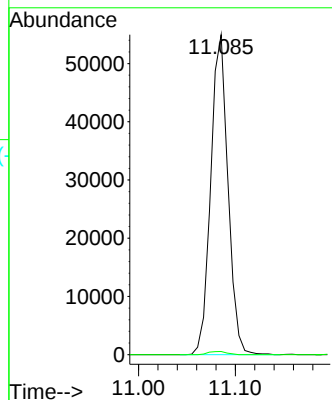
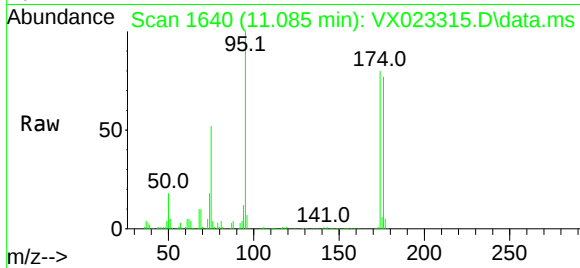




#76
1,2,3-Trichloropropane
Concen: 30.956 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

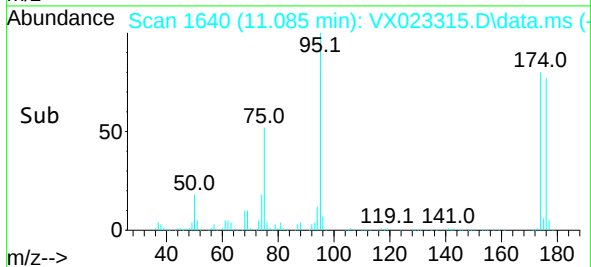
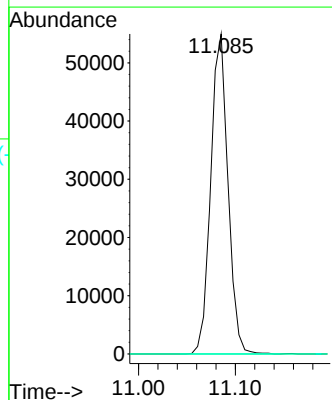
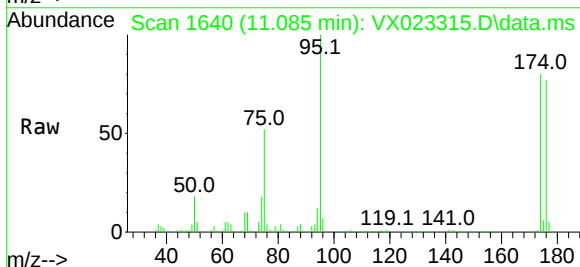
Instrument :
MSVOA_X
ClientSampled :

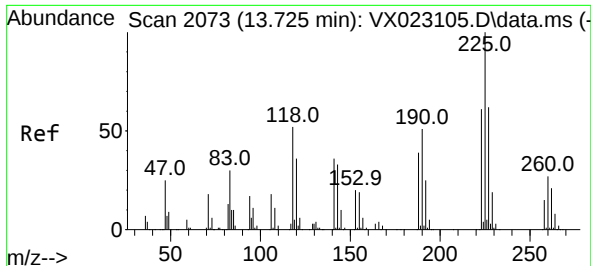
Tgt Ion: 75 Resp: 68111
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.966 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion: 75 Resp: 68111
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

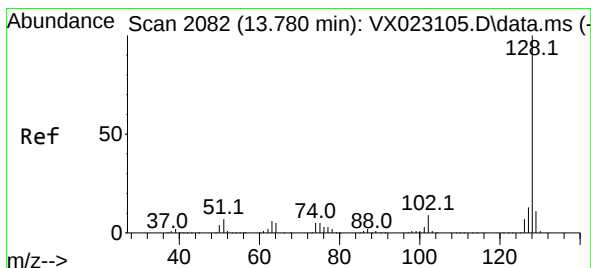
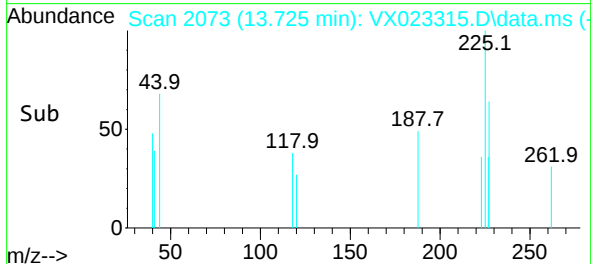
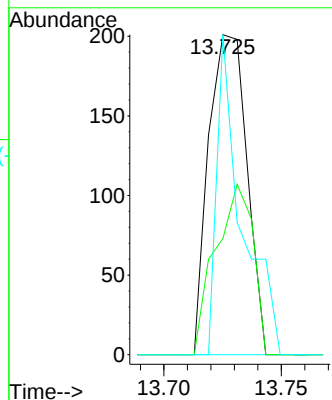
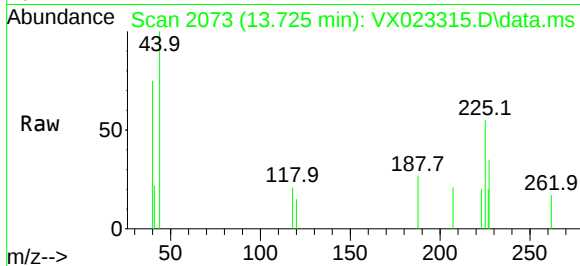




#94
Hexachlorobutadiene
Concen: 0.243 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

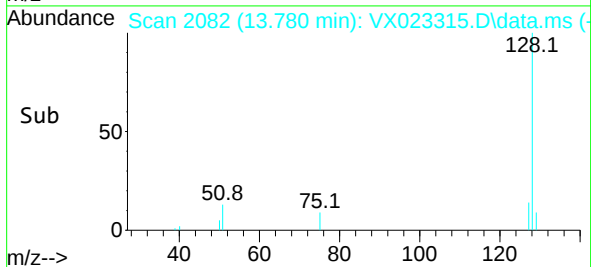
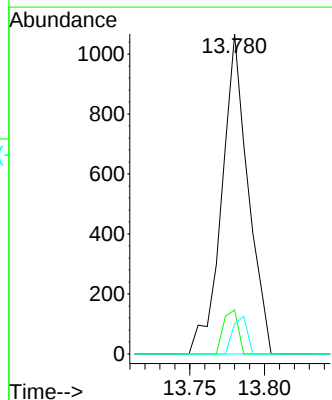
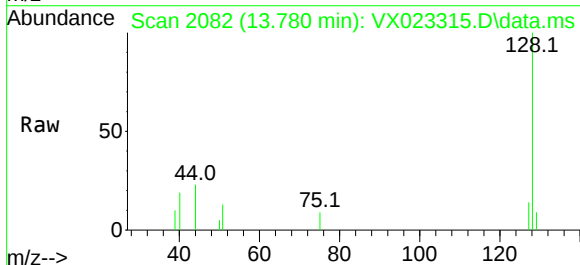
Instrument :
MSVOA_X
ClientSampleId :

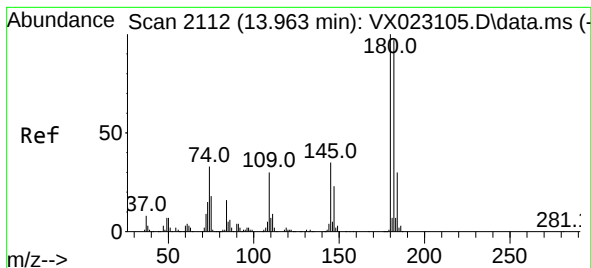
Tgt Ion:	225	Resp:	228
Ion	Ratio	Lower	Upper
225	100		
223	52.2	31.1	93.2
227	64.9	31.6	95.0



#95
Naphthalene
Concen: 1.431 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023315.D
Acq: 16 Jul 2021 09:46

Tgt Ion:	128	Resp:	1302
Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.3	15.5#
129	6.4	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.221 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX023315.D
 Acq: 16 Jul 2021 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180 Resp: 492
 Ion Ratio Lower Upper
 180 100
 182 73.6 47.6 142.9
 145 33.1 16.1 48.3

