

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021310.D
 Acq On : 19 Mar 2021 18:23
 Operator : JC/MD
 Sample : M1715-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210317058-01-VOA

Quant Time: Mar 22 08:19:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

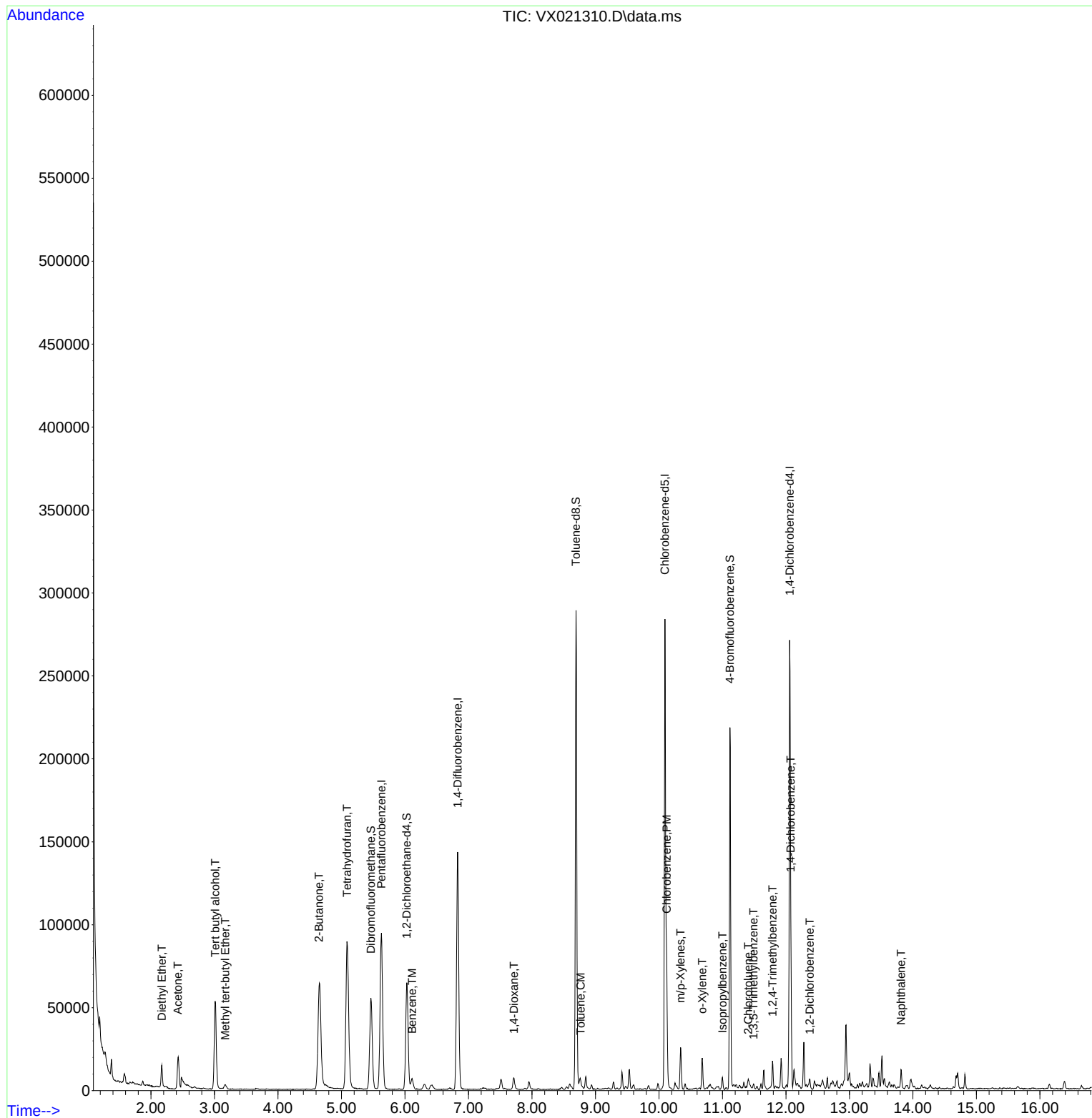
Internal Standards						
1) Pentafluorobenzene	5.629	168	81616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	132626	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63521	47.45	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.90%		
35) Dibromofluoromethane	5.464	113	44915	49.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.54%		
50) Toluene-d8	8.694	98	160148	48.91	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.82%		
62) 4-Bromofluorobenzene	11.118	95	55985	44.03	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.06%		
Target Compounds					Qvalue	
3) Chloromethane	1.316	50	1483	Below Cal	#	81
8) Diethyl Ether	2.169	74	3956	7.51	ug/l	64
11) Tert butyl alcohol	3.011	59	57894	257.43	ug/l	98
16) Acetone	2.422	43	9513	19.31	ug/l	93
19) Methyl tert-butyl Ether	3.169	73	2547	0.82	ug/l	94
25) 2-Butanone	4.646	43	8239	10.88	ug/l #	79
29) Tetrahydrofuran	5.087	42	81407	162.74	ug/l #	85
40) Benzene	6.111	78	6591	1.79	ug/l	95
49) 1,4-Dioxane	7.717	88	4750	198.08	ug/l #	87
52) Toluene	8.764	92	1136	0.50	ug/l	90
65) Chlorobenzene	10.123	112	30135	13.02	ug/l	97
68) m/p-Xylenes	10.341	106	4491	2.94	ug/l	85
69) o-Xylene	10.682	106	3801	2.56	ug/l	95
73) Isopropylbenzene	11.000	105	2829	0.78	ug/l	97
79) 2-Chlorotoluene	11.406	91	2233	0.87	ug/l	90
80) 1,3,5-Trimethylbenzene	11.488	105	1326	0.43	ug/l	92
84) 1,2,4-Trimethylbenzene	11.788	105	6607	2.13	ug/l	97
88) 1,4-Dichlorobenzene	12.076	146	18657	11.67	ug/l	95
91) 1,2-Dichlorobenzene	12.377	146	1285	0.84	ug/l	96
95) Naphthalene	13.812	128	6063	1.76	ug/l	99

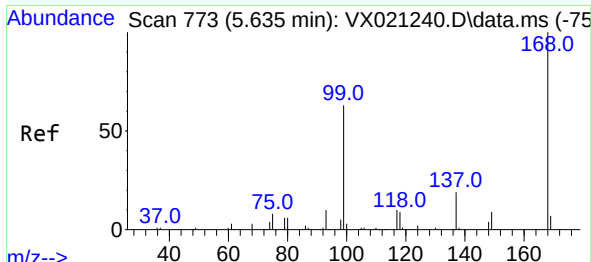
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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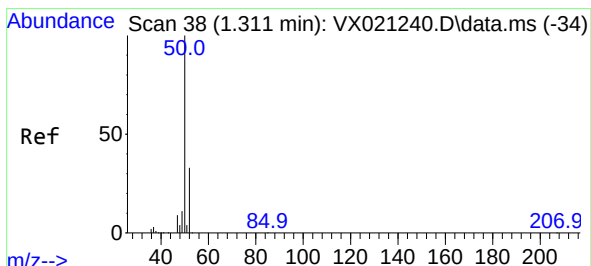
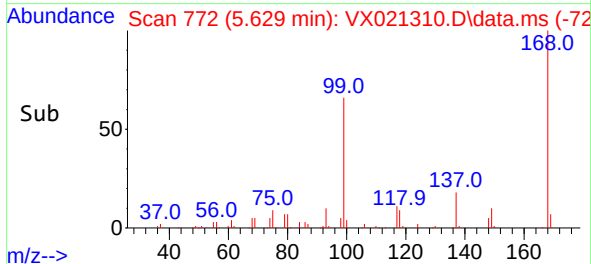
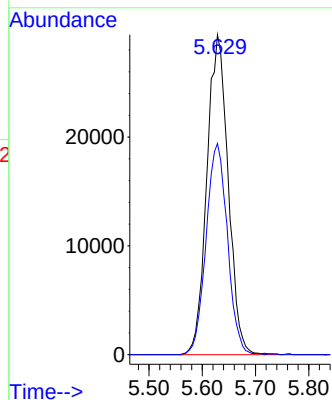
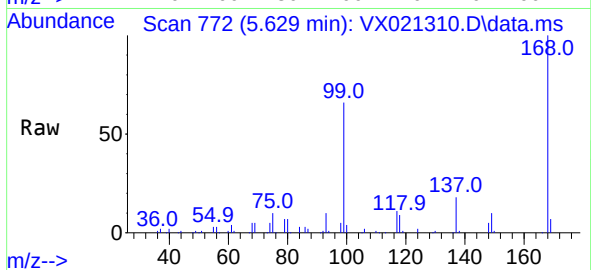




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

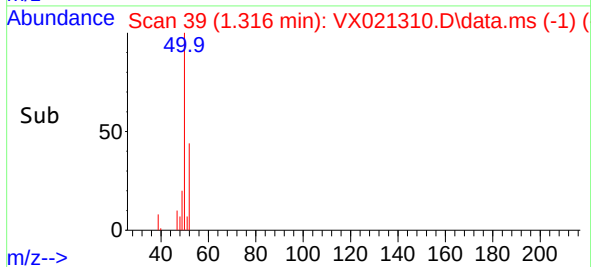
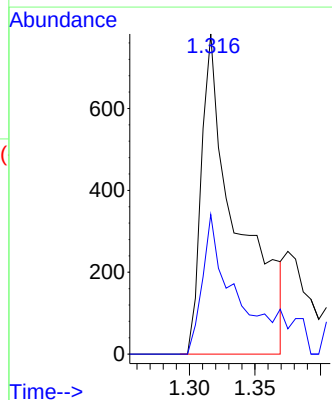
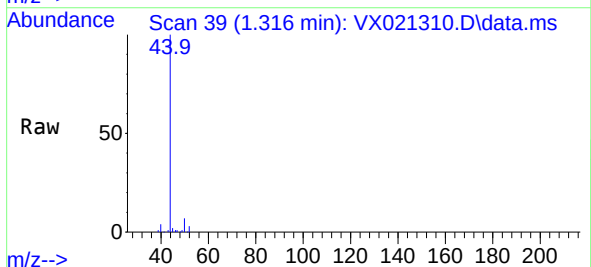
Instrument :
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ClientSampleId :
210317058-01-VOA

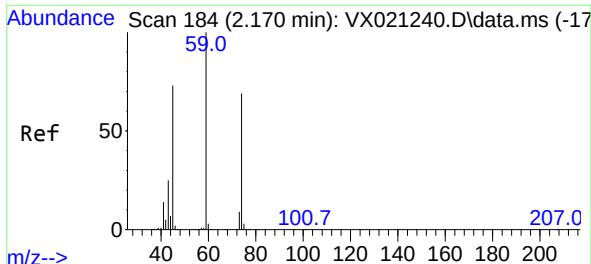
Tgt Ion:168 Resp: 81616
Ion Ratio Lower Upper
168 100
99 66.0 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 50 Resp: 1483
Ion Ratio Lower Upper
50 100
52 43.6 26.4 39.6#

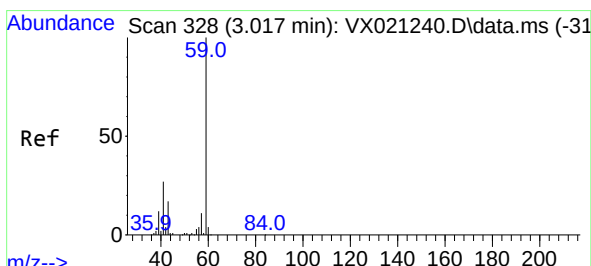
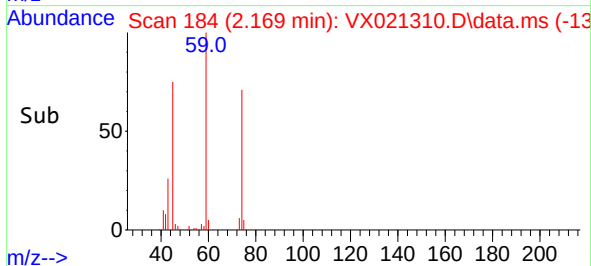
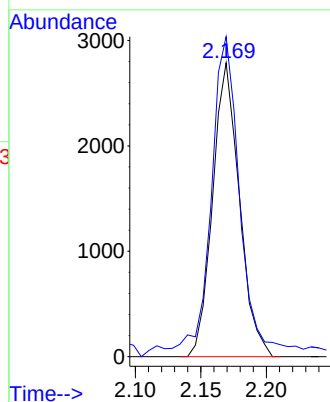
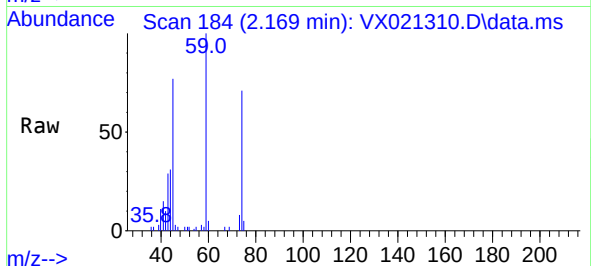




#8
Diethyl Ether
Concen: 7.51 ug/l
RT: 2.169 min Scan# 184
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

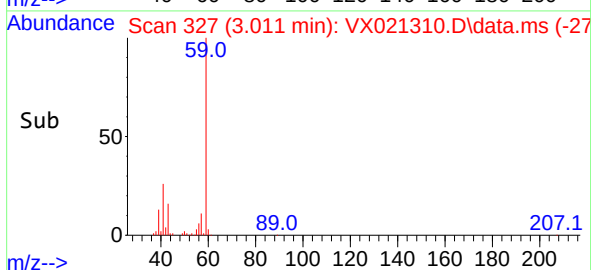
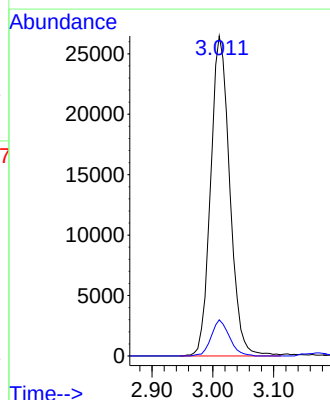
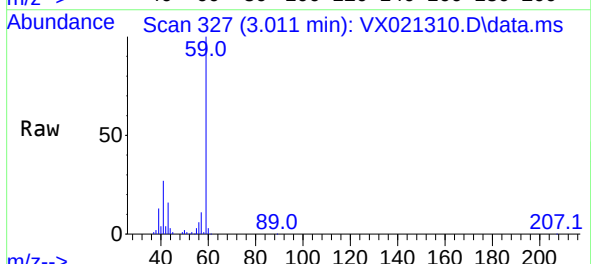
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

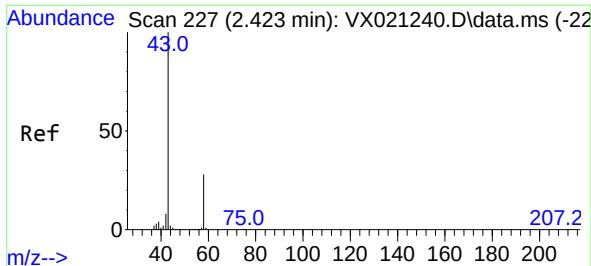
Tgt Ion: 74 Resp: 3956
Ion Ratio Lower Upper
74 100
45 123.1 44.5 133.5



#11
Tert butyl alcohol
Concen: 257.43 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 59 Resp: 57894
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.8

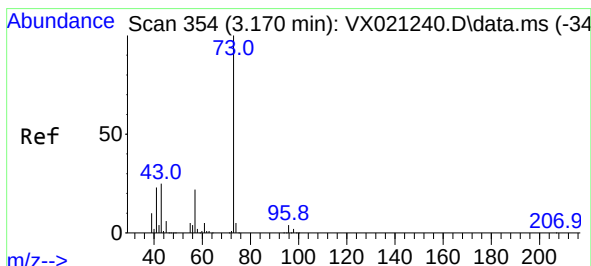
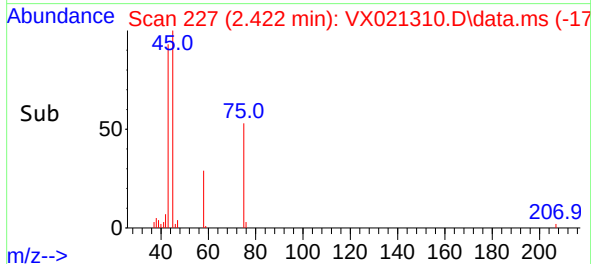
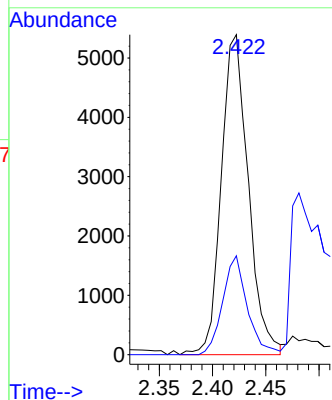
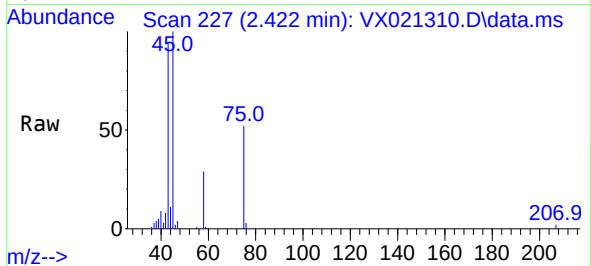




#16
Acetone
Concen: 19.31 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

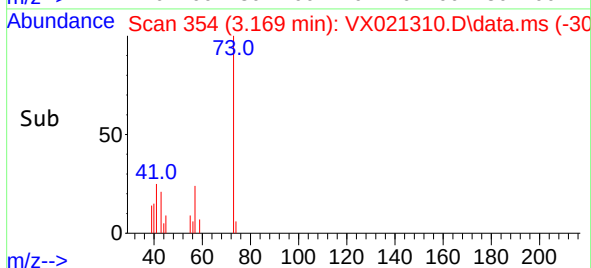
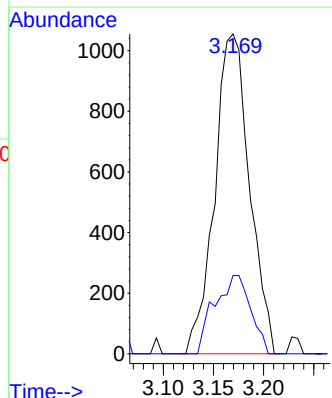
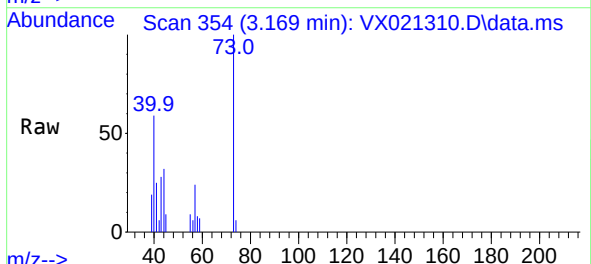
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ClientSampleId :
210317058-01-VOA

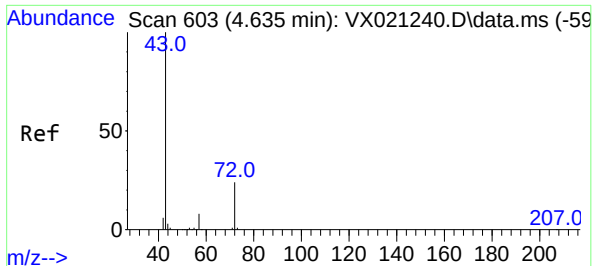
Tgt Ion: 43 Resp: 9513
Ion Ratio Lower Upper
43 100
58 30.9 27.8 41.8



#19
Methyl tert-butyl Ether
Concen: 0.82 ug/l
RT: 3.169 min Scan# 354
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 73 Resp: 2547
Ion Ratio Lower Upper
73 100
57 24.5 17.1 25.7

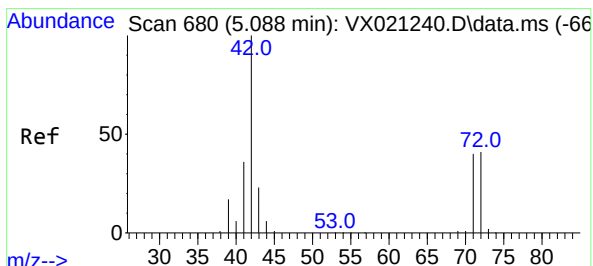
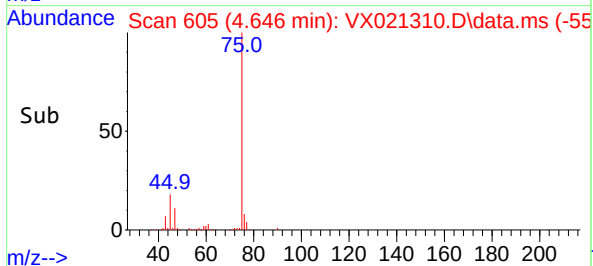
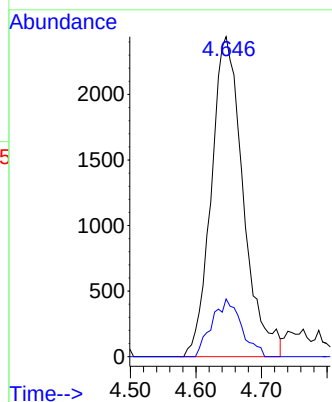
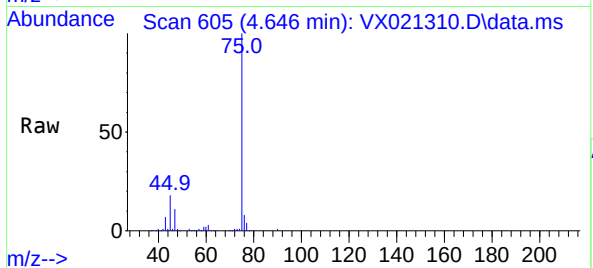




#25
2-Butanone
Concen: 10.88 ug/l
RT: 4.646 min Scan# 605
Delta R.T. 0.011 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

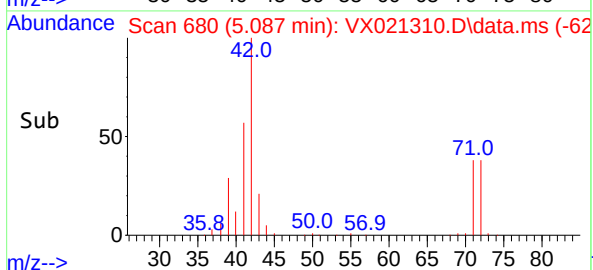
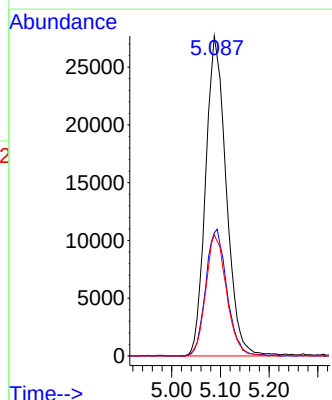
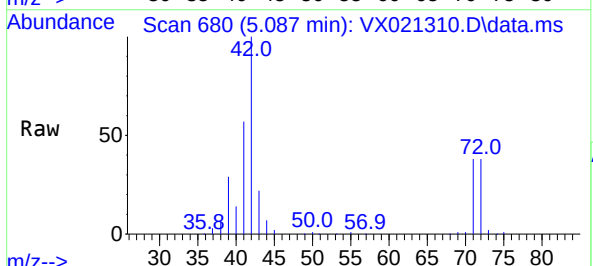
Instrument :
MSVOA_X
ClientSampleId :
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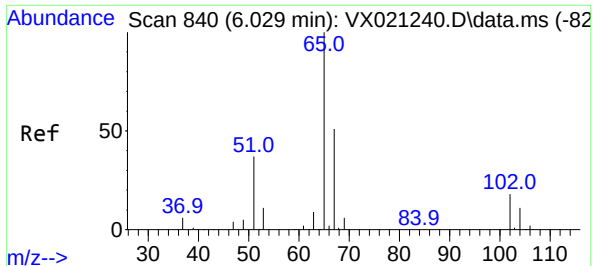
Tgt Ion: 43 Resp: 8239
Ion Ratio Lower Upper
43 100
72 18.1 23.7 35.5#



#29
Tetrahydrofuran
Concen: 162.74 ug/l
RT: 5.087 min Scan# 680
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 42 Resp: 81407
Ion Ratio Lower Upper
42 100
72 40.7 41.7 62.5#
71 38.2 38.4 57.6#



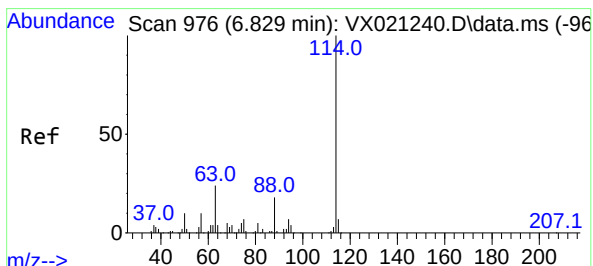
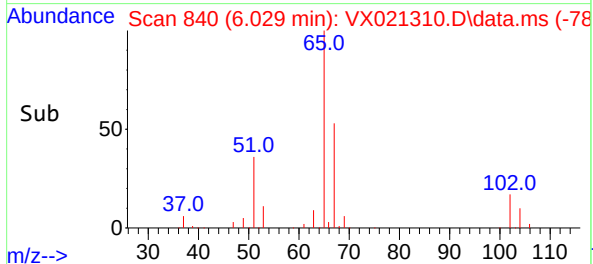
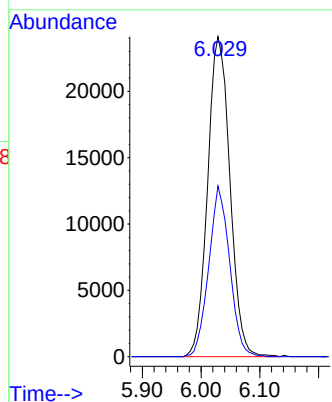
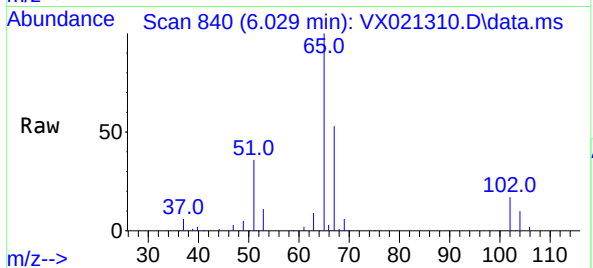


#33

1,2-Dichloroethane-d4
Concen: 47.45 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Instrument :
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ClientSampleId :
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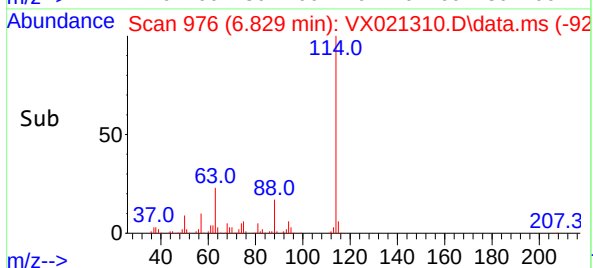
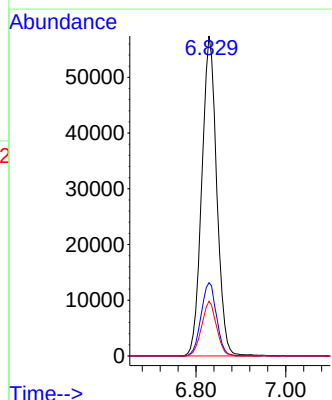
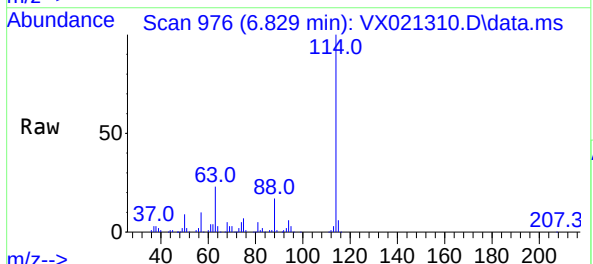
Tgt Ion: 65 Resp: 63521
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

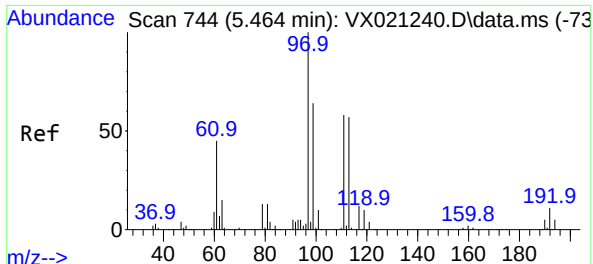


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 114 Resp: 132626
Ion Ratio Lower Upper
114 100
63 22.9 0.0 40.8
88 17.1 0.0 32.8

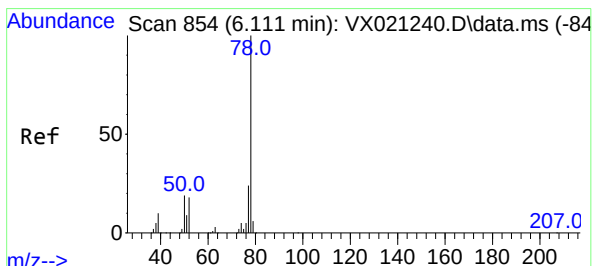
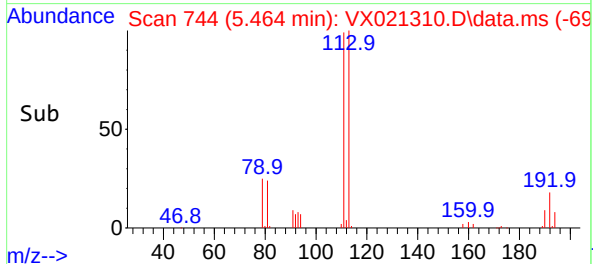
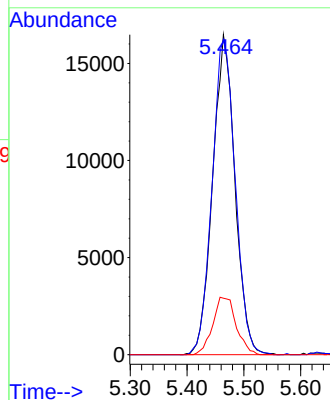
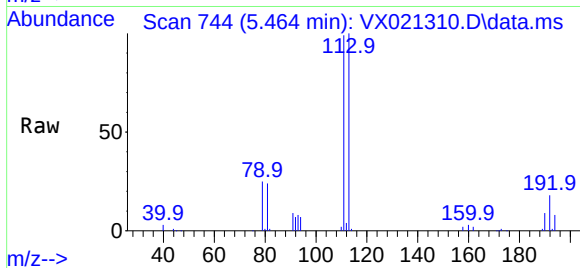




#35
Dibromofluoromethane
Concen: 49.77 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

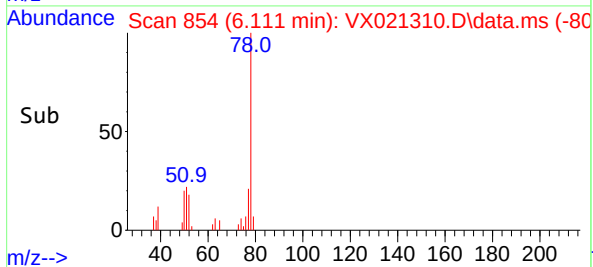
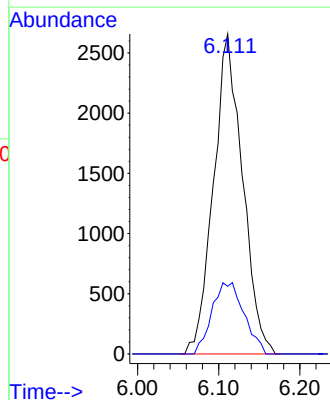
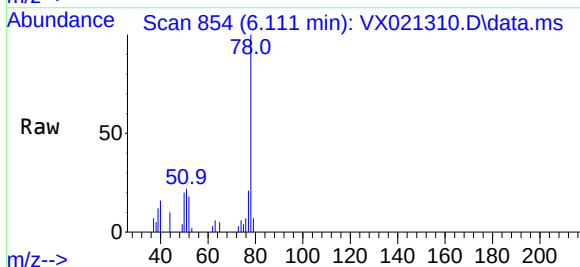
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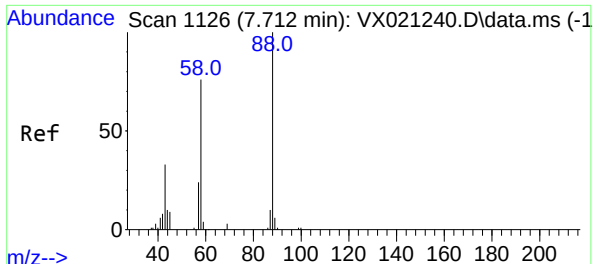
Tgt Ion:	113	Resp:	44915
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	18.8	16.7	25.1



#40
Benzene
Concen: 1.79 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:	78	Resp:	6591
Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.9	28.3

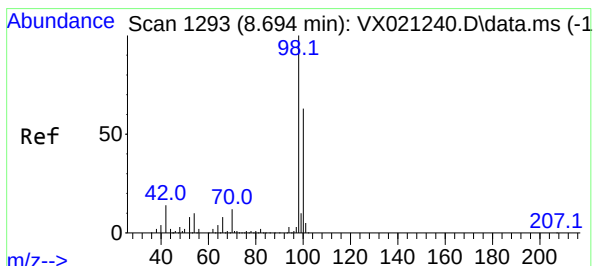
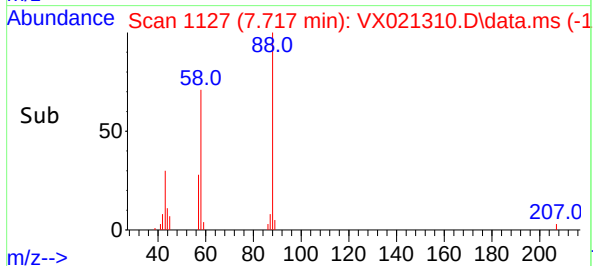
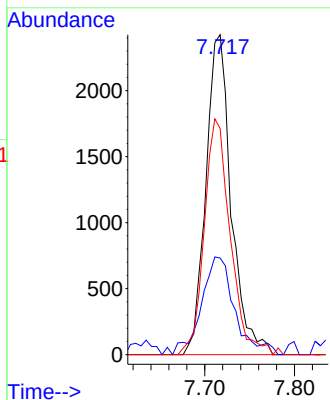
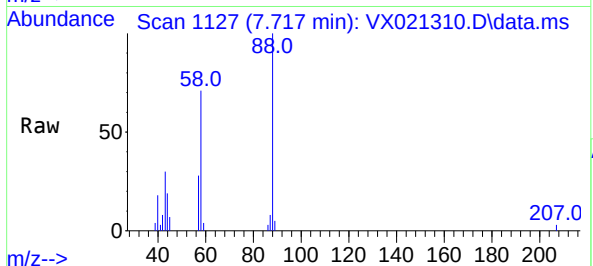




#49
1,4-Dioxane
Concen: 198.08 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

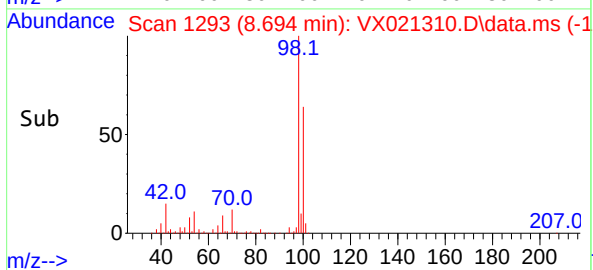
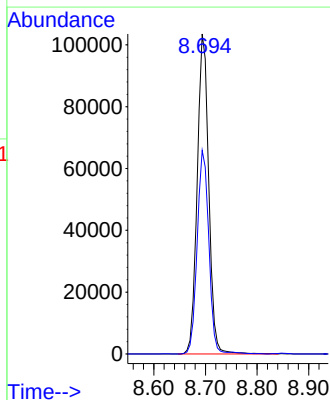
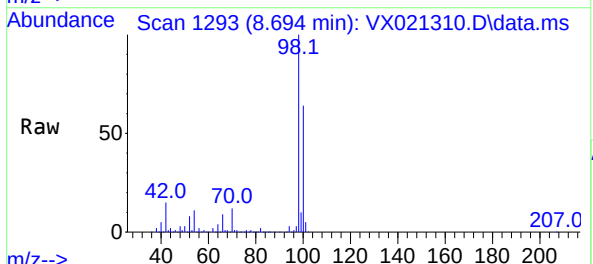
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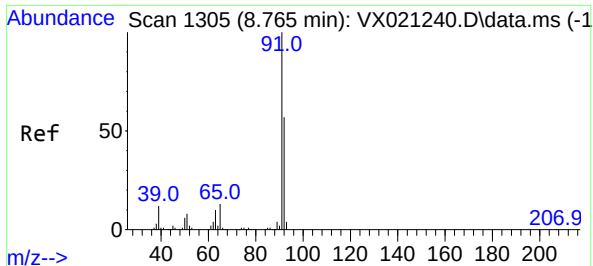
Tgt Ion: 88 Resp: 4750
Ion Ratio Lower Upper
88 100
43 40.4 23.2 34.8#
58 76.0 55.0 82.4



#50
Toluene-d8
Concen: 48.91 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 98 Resp: 160148
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

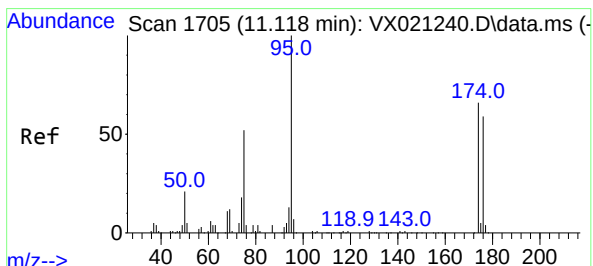
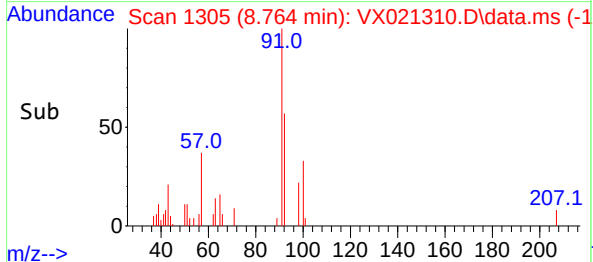
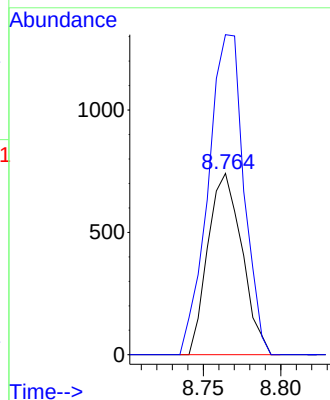
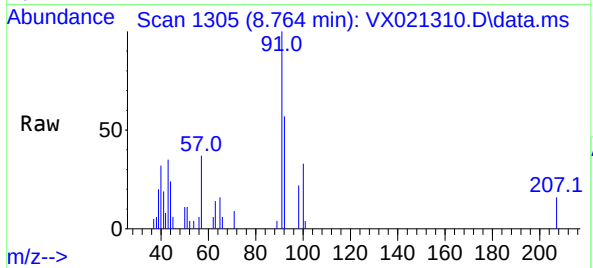




#52
Toluene
Concen: 0.50 ug/l
RT: 8.764 min Scan# 1305
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

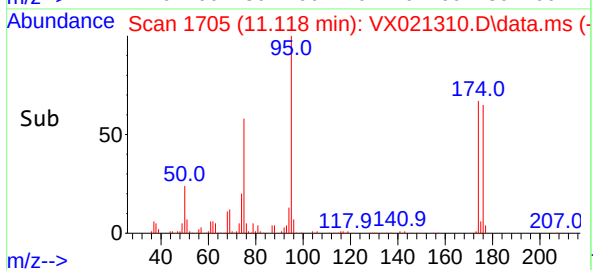
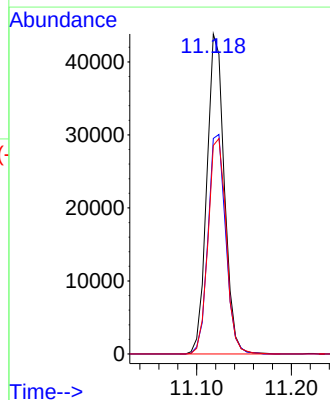
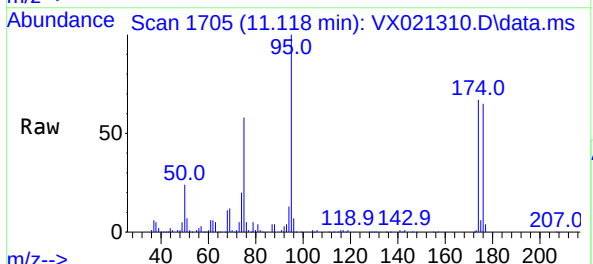
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

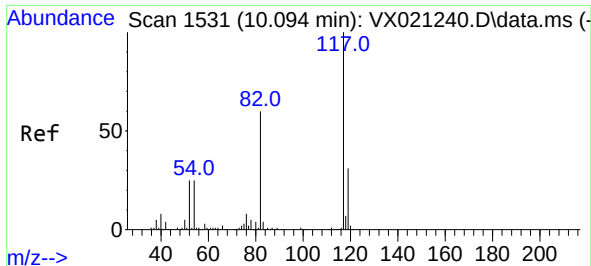
Tgt Ion: 92 Resp: 1136
Ion Ratio Lower Upper
92 100
91 184.8 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 44.03 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 95 Resp: 55985
Ion Ratio Lower Upper
95 100
174 69.4 0.0 154.6
176 69.5 0.0 155.8

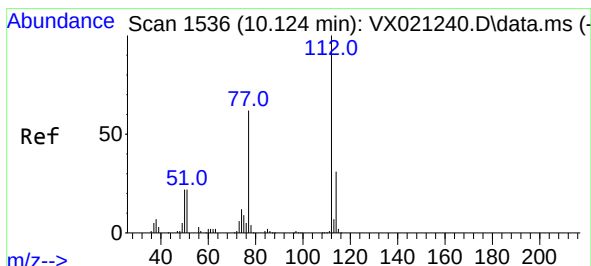
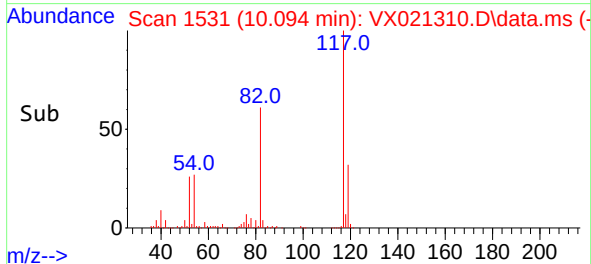
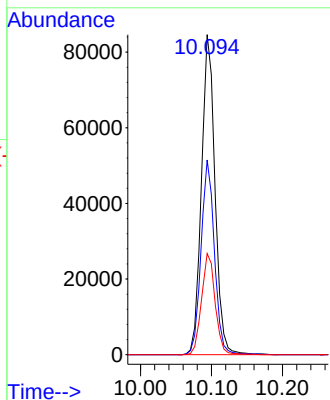
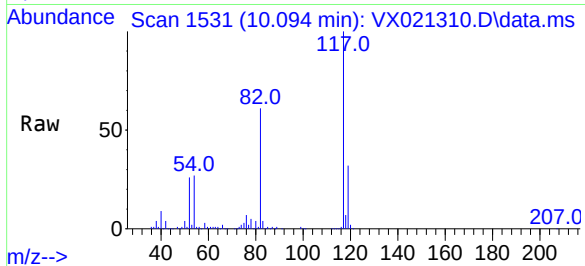




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

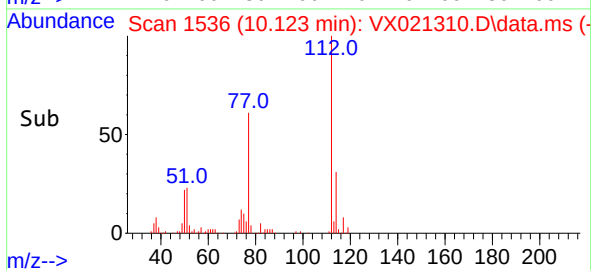
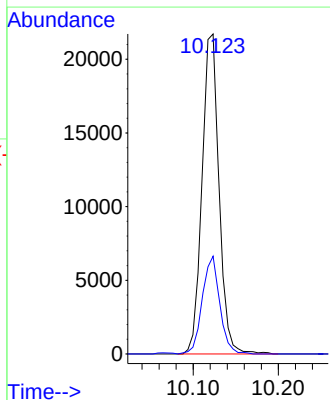
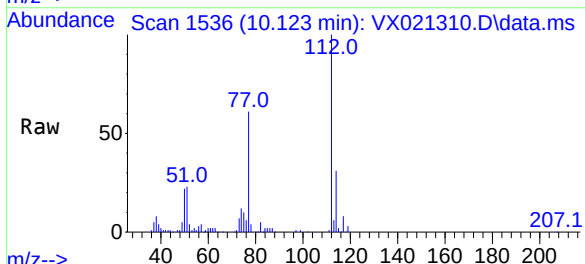
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

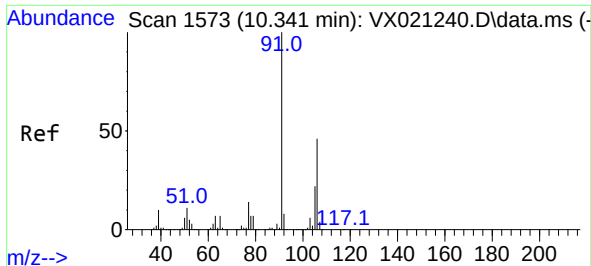
Tgt Ion:117 Resp: 112591
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.6 26.6 39.8



#65
Chlorobenzene
Concen: 13.02 ug/l
RT: 10.123 min Scan# 1536
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:112 Resp: 30135
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.6

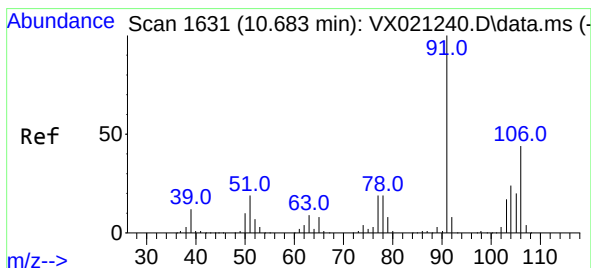
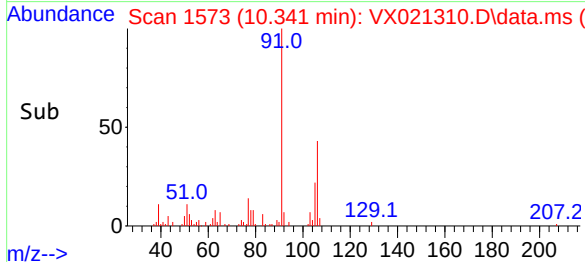
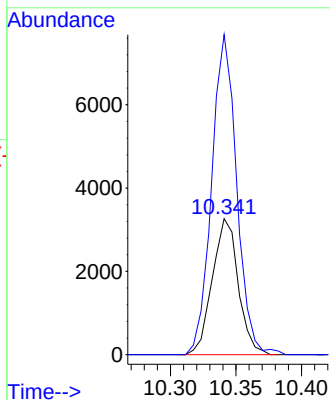
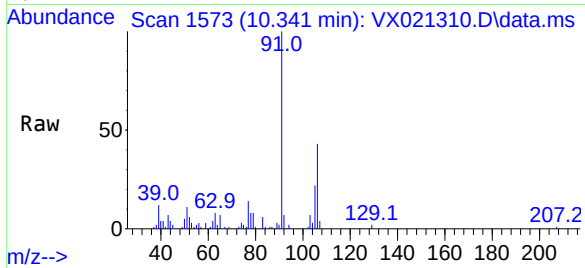




#68
m/p-Xylenes
Concen: 2.94 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

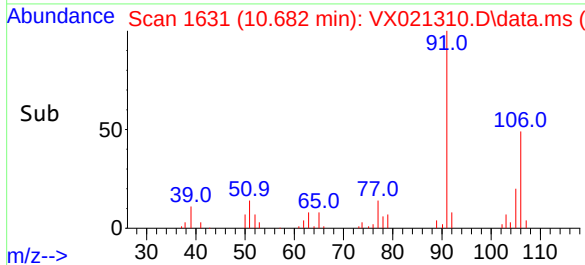
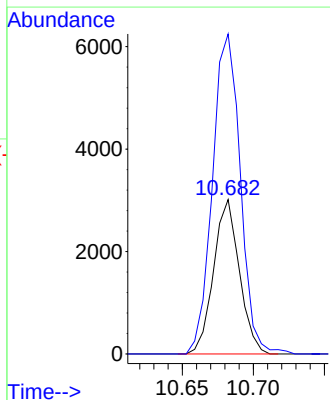
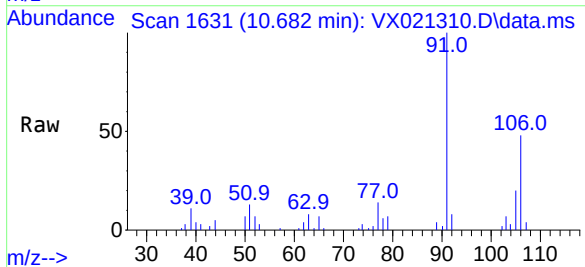
Tgt Ion:106 Resp: 4491
Ion Ratio Lower Upper
106 100
91 227.1 162.8 244.2

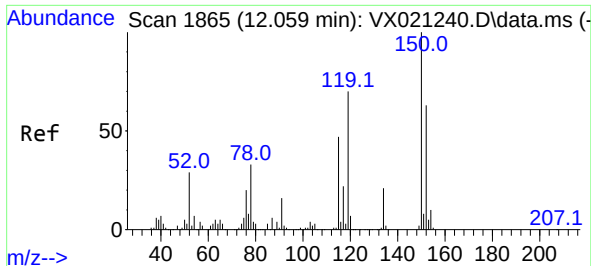
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA



#69
o-Xylene
Concen: 2.56 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:106 Resp: 3801
Ion Ratio Lower Upper
106 100
91 224.0 108.1 324.2

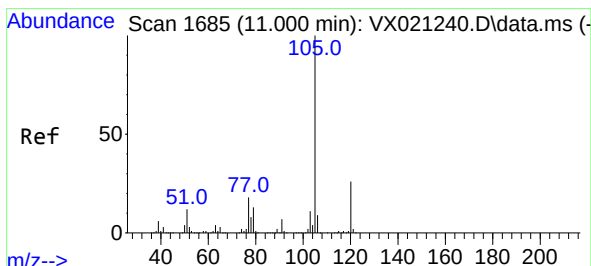
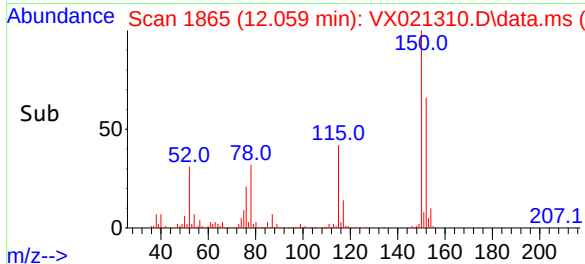
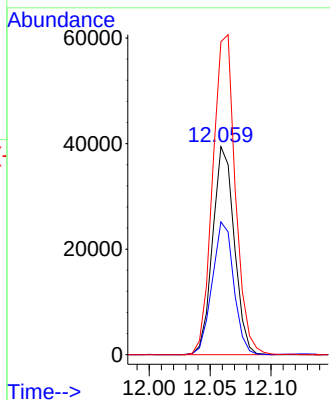
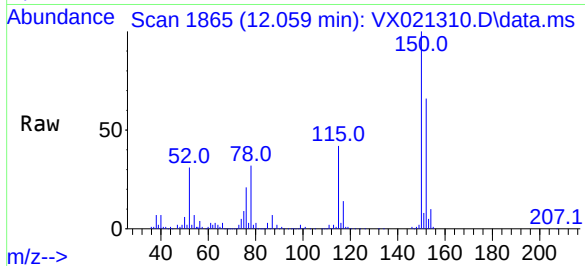




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

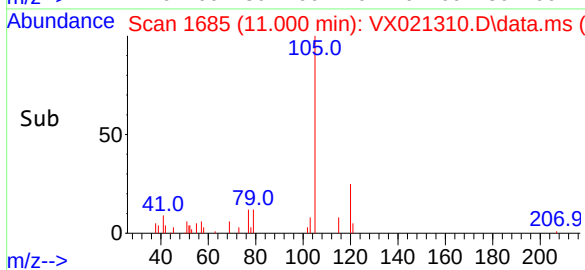
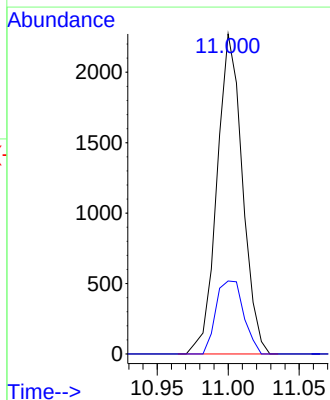
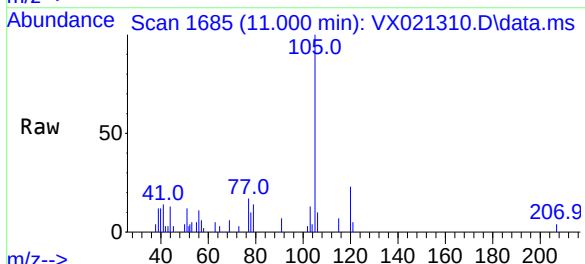
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

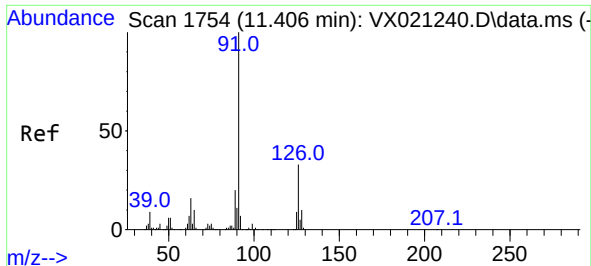
Tgt Ion:	152	Resp:	48637
Ion	Ratio	Lower	Upper
152	100		
115	63.8	41.1	123.3
150	161.7	0.0	349.0



#73
Isopropylbenzene
Concen: 0.78 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:	105	Resp:	2829
Ion	Ratio	Lower	Upper
105	100		
120	24.8	13.2	39.6

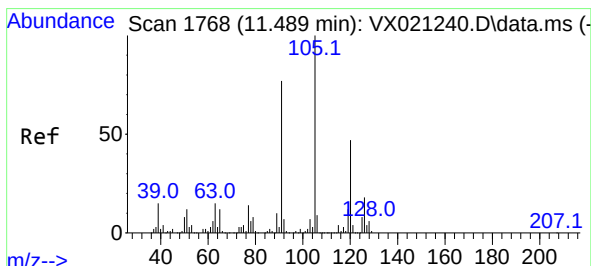
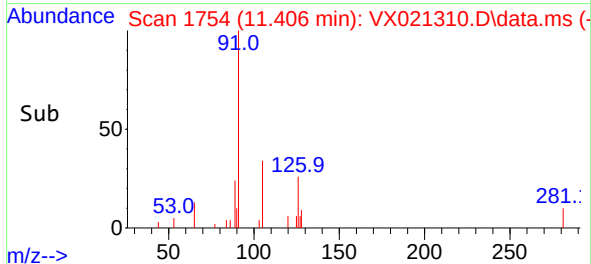
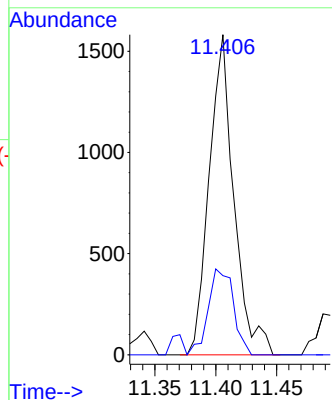
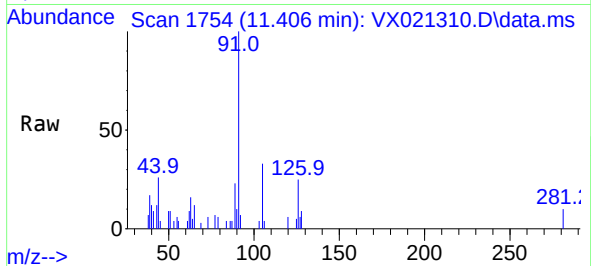




#79
2-Chlorotoluene
Concen: 0.87 ug/l
RT: 11.406 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

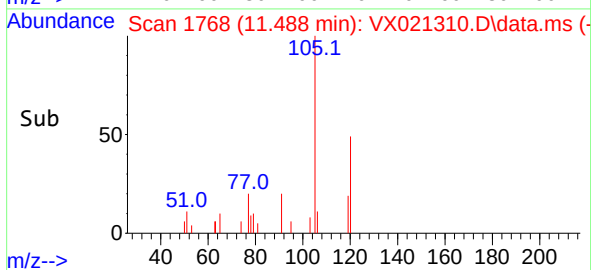
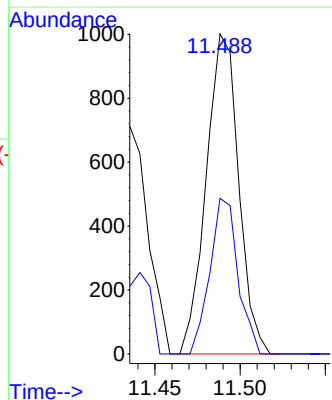
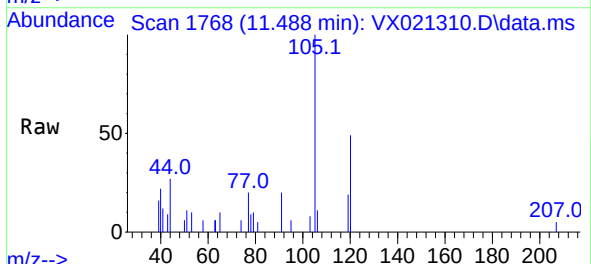
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

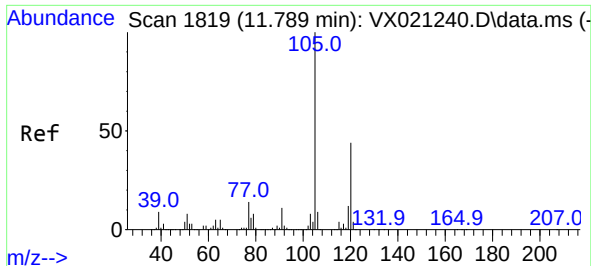
Tgt Ion: 91 Resp: 2233
Ion Ratio Lower Upper
91 100
126 27.3 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 0.43 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion: 105 Resp: 1326
Ion Ratio Lower Upper
105 100
120 42.0 23.8 71.5

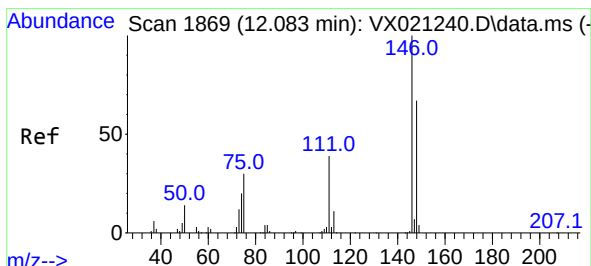
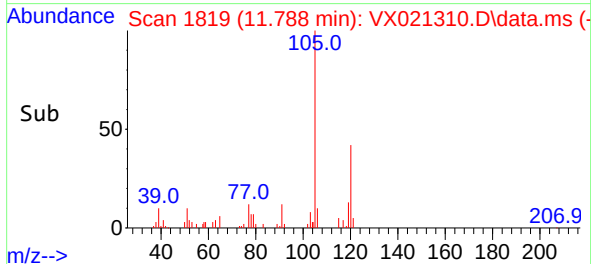
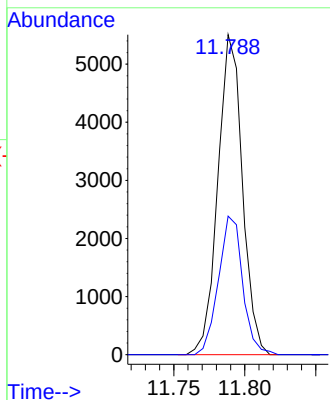
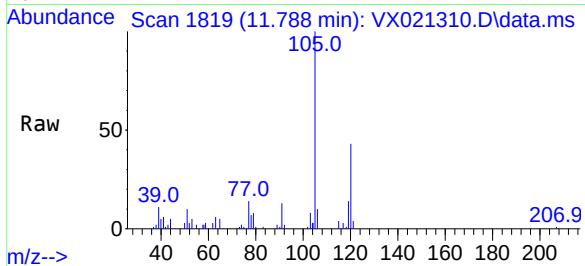




#84
1,2,4-Trimethylbenzene
Concen: 2.13 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. -0.001 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

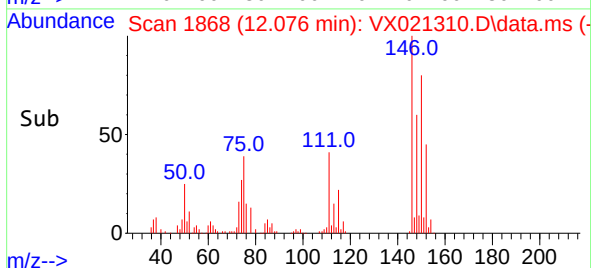
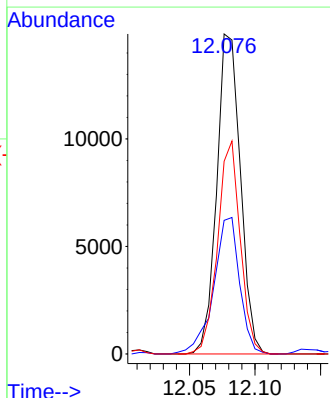
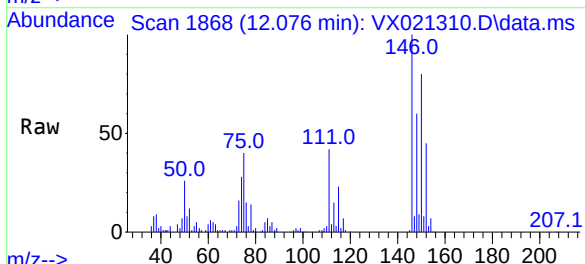
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

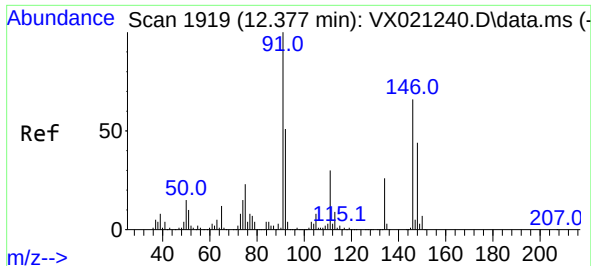
Tgt Ion:105 Resp: 6607
Ion Ratio Lower Upper
105 100
120 42.8 22.4 67.3



#88
1,4-Dichlorobenzene
Concen: 11.67 ug/l
RT: 12.076 min Scan# 1868
Delta R.T. -0.007 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:146 Resp: 18657
Ion Ratio Lower Upper
146 100
111 46.8 19.6 58.8
148 63.6 31.6 95.0

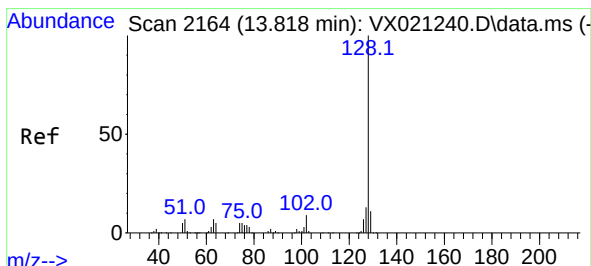
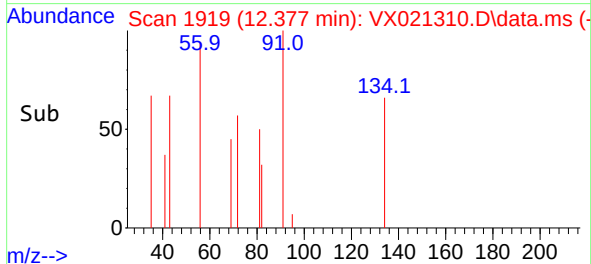
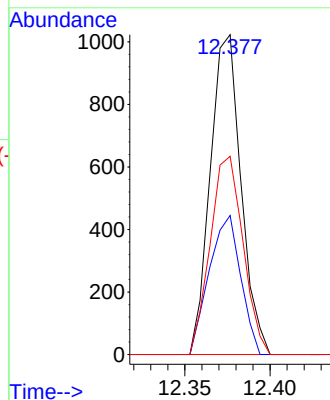
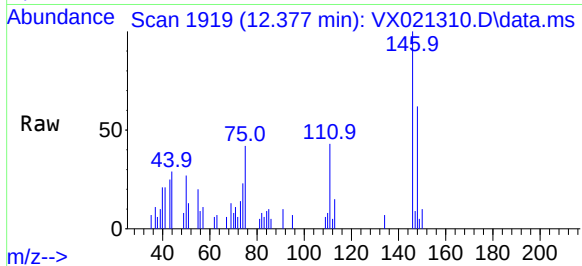




#91
1,2-Dichlorobenzene
Concen: 0.84 ug/l
RT: 12.377 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

Tgt Ion:	146	Resp:	1285
Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.8	62.2
148	66.1	31.9	95.5



#95
Naphthalene
Concen: 1.76 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021310.D
Acq: 19 Mar 2021 18:23

Tgt Ion:	128	Resp:	6063
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.9	8.8	13.2

