

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072621\
 Data File : VW019603.D
 Acq On : 26 Jul 2021 18:20
 Operator : SY/VA
 Sample : M3122-21
 Misc : 4.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG04

Quant Time: Jul 27 01:12:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 27 01:09:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	635	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.640	117	895	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	800	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	63	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	8.311	65	190	19.733	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.920%
32) Benzene-d6	8.268	84	164	3.078	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	12.320%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	10.323	98	968	20.153	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.000%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	12.694	84	162	12.074	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	48.280%
66) 1,2-Dichlorobenzene-d4	13.853	152	586	20.761	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.019	85	51	6.742	ug/L	# 46
3) Chloromethane	2.214	50	245	31.564	ug/L	99
6) Bromomethane	2.794	94	61	10.327	ug/L	77
8) Chloroethane	2.940	64	111	19.520	ug/L	# 41
13) Acetone	4.141	43	36486	18961.923	ug/L	89
14) Carbon disulfide	4.385	76	850	32.019	ug/L	# 75
15) Methyl Acetate	4.476	43	101	23.584	ug/L	# 50
16) Methylene chloride	4.927	84	6455	509.907	ug/L	95
22) 2-Butanone	7.183	43	8076	2712.483	ug/L	96
25) Chloroform	7.689	83	195	11.910	ug/L	82
29) Cyclohexane	7.957	56	351	15.293	ug/L	# 26
33) Benzene	8.335	78	345	6.158	ug/L	100
35) Methylcyclohexane	9.335	83	176	6.956	ug/L	# 54
42) Toluene	10.390	91	589	10.088	ug/L	99
49) Dibromochloromethane	10.865	129	75	6.602	ug/L	# 13
51) Chlorobenzene	11.664	112	270	7.354	ug/L	# 72
52) Ethylbenzene	11.731	91	678	10.666	ug/L	# 63
53) m,p-Xylene	11.847	106	607	25.268	ug/L	62
54) o-Xylene	12.164	106	246	10.837	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072621\
 Data File : VW019603.D
 Acq On : 26 Jul 2021 18:20
 Operator : SY/VA
 Sample : M3122-21
 Misc : 4.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGET4

Quant Time: Jul 27 01:12:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 27 01:09:44 2021
 Response via : Initial Calibration

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

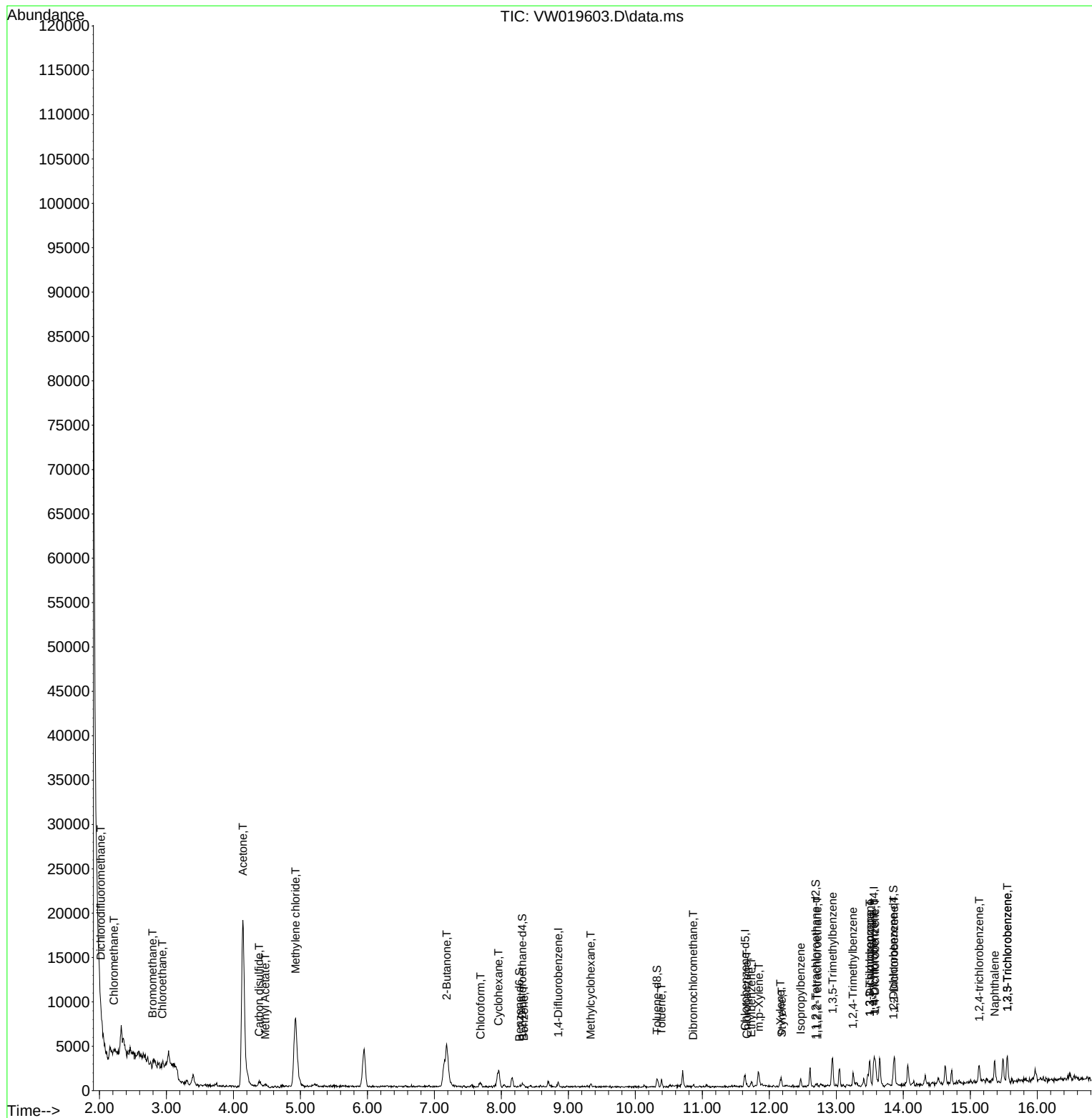
55) Styrene	12.188	104	295	7.500	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.719	83	61	4.689	ug/L #	95
60) Isopropylbenzene	12.469	105	390	3.627	ug/L #	66
61) 1,2,3-Trichloropropane	13.499	75	197	11.241	ug/L #	59
62) 1,3,5-Trimethylbenzene	12.944	105	1612	17.907	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	1032	11.377	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	542	11.016	ug/L	87
65) 1,4-Dichlorobenzene	13.578	146	544	11.190	ug/L #	88
67) 1,2-Dichlorobenzene	13.865	146	519	11.709	ug/L #	82
69) 1,3,5-Trichlorobenzene	15.554	180	977	27.177	ug/L	98
70) 1,2,4-trichlorobenzene	15.133	180	917	30.510	ug/L #	88
71) Naphthalene	15.365	128	2209	36.390	ug/L	97
72) 1,2,3-Trichlorobenzene	15.554	180	977	36.298	ug/L	97

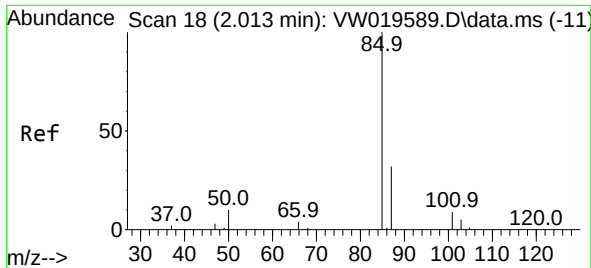
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072621\
Data File : VW019603.D
Acq On : 26 Jul 2021 18:20
Operator : SY/VA
Sample : M3122-21
Misc : 4.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGET4

Quant Time: Jul 27 01:12:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070921SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jul 27 01:09:44 2021
Response via : Initial Calibration

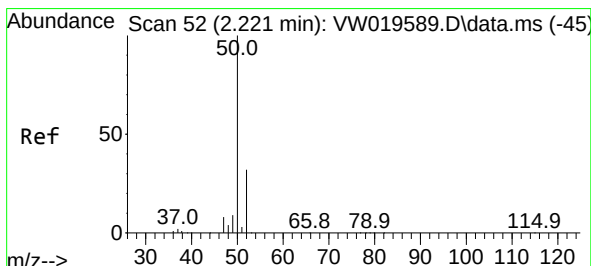
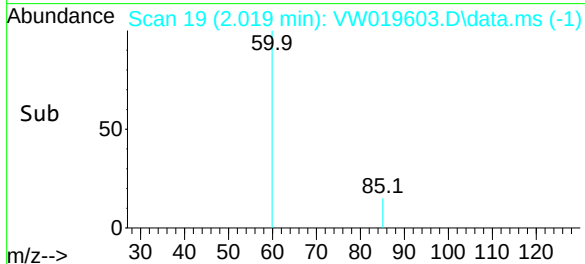
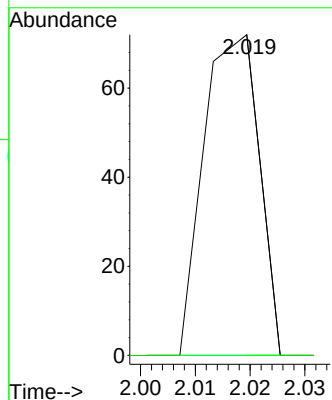
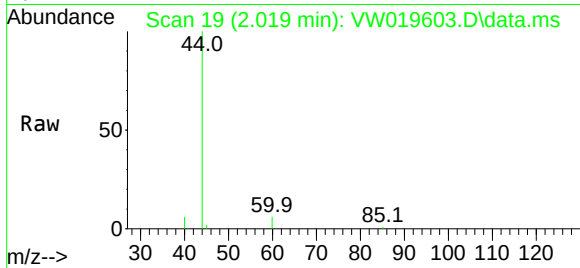




#2
Dichlorodifluoromethane
Concen: 6.742 ug/L
RT: 2.019 min Scan# 19
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

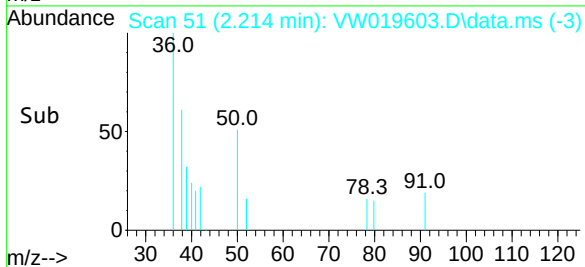
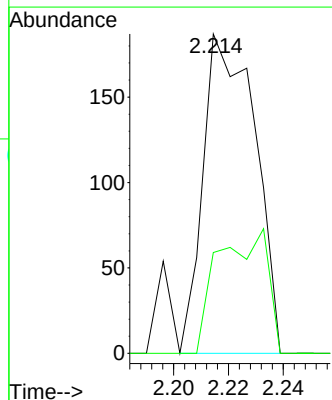
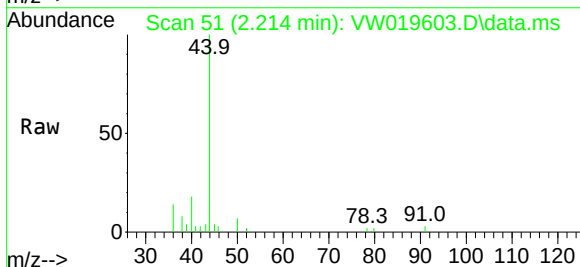
Instrument :
MSVOA_W
ClientSampled :
BGET4

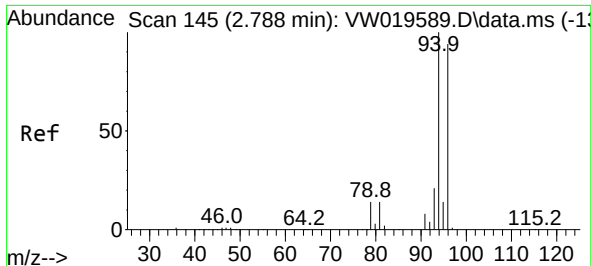
Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 23.3 34.9#



#3
Chloromethane
Concen: 31.564 ug/L
RT: 2.214 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 31.6 22.5 41.9

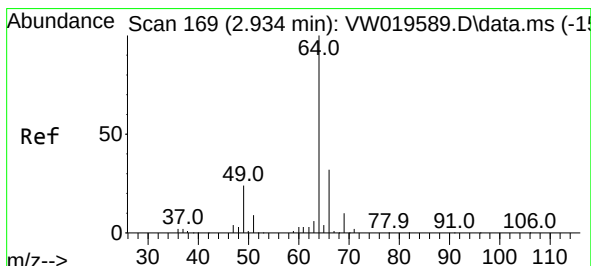
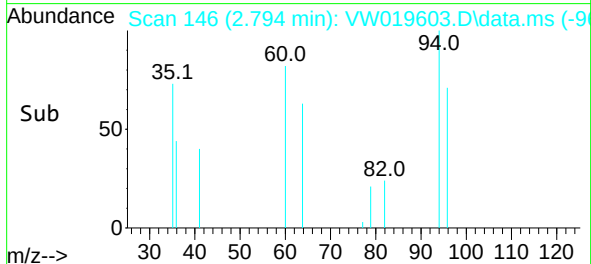
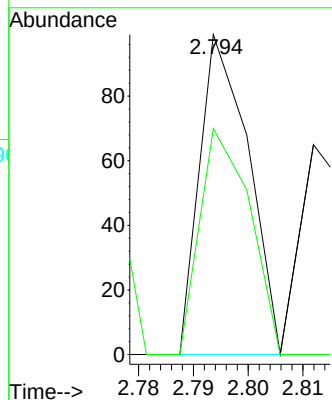
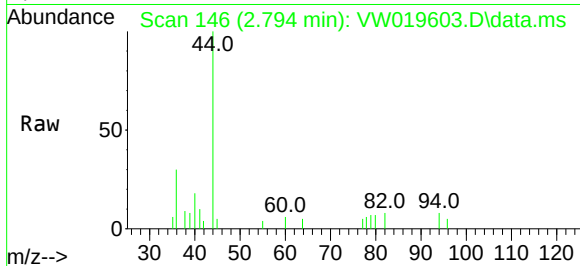




#6
Bromomethane
Concen: 10.327 ug/L
RT: 2.794 min Scan# 146
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

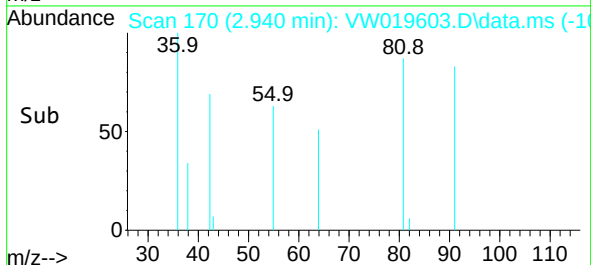
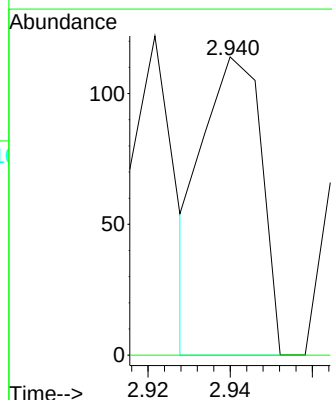
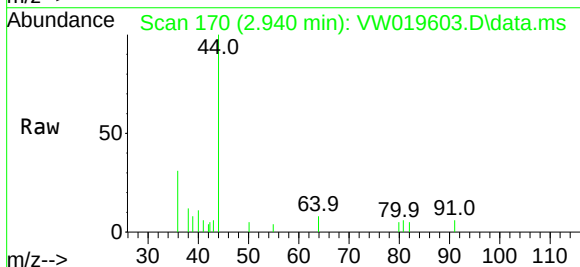
Instrument :
MSVOA_W
ClientSampled :
BGET4

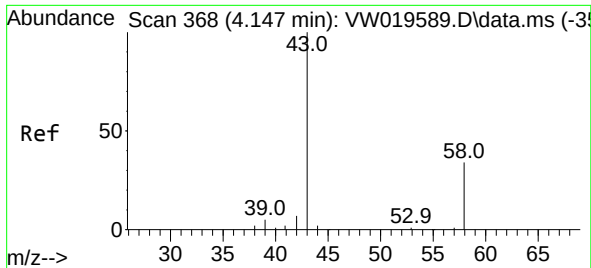
Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 70.7 65.3 121.3



#8
Chloroethane
Concen: 19.520 ug/L
RT: 2.940 min Scan# 170
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 64 Resp: 111
Ion Ratio Lower Upper
64 100
66 0.0 23.4 43.6#

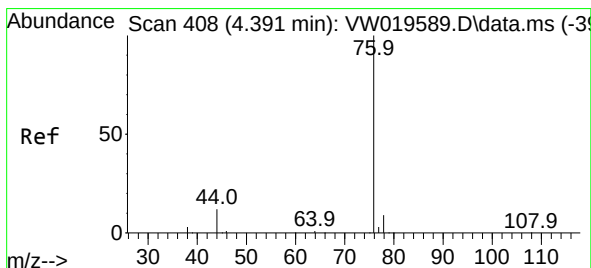
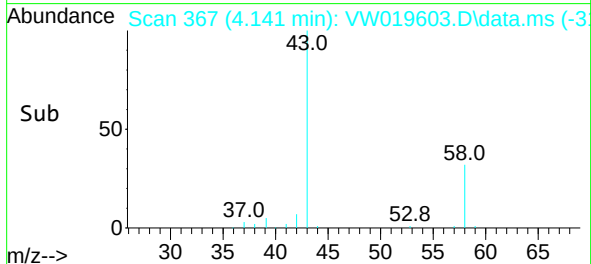
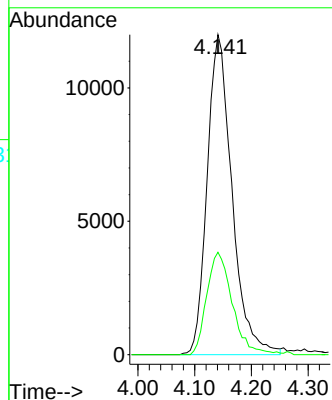
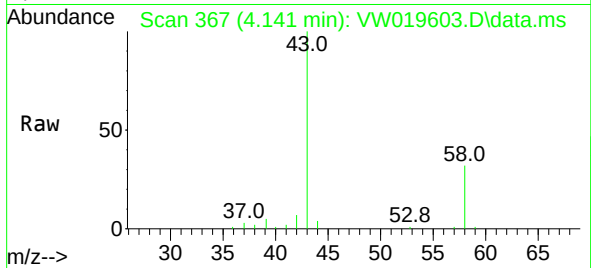




#13
Acetone
Concen: 18961.923 ug/L
RT: 4.141 min Scan# 367
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

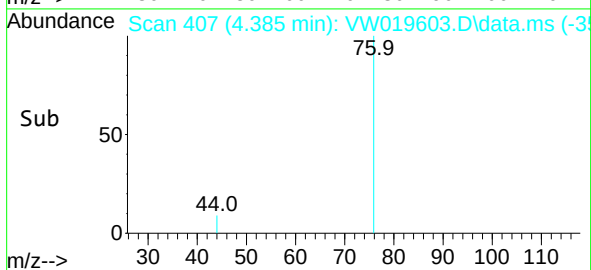
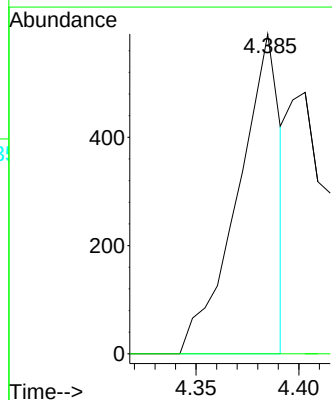
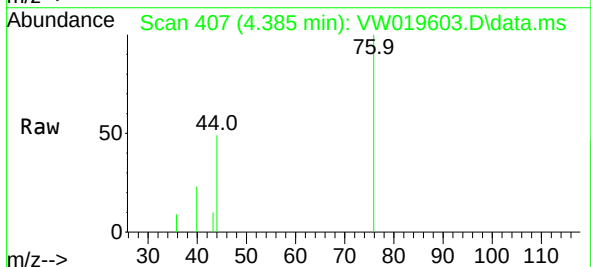
Instrument :
MSVOA_W
ClientSampled :
BGET4

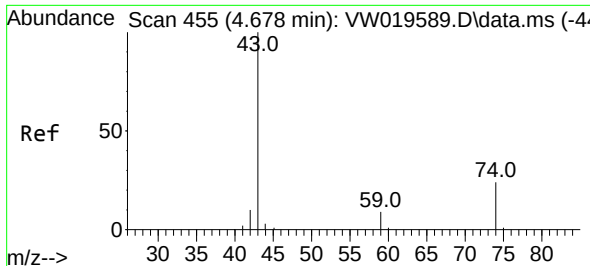
Tgt Ion: 43 Resp: 36486
Ion Ratio Lower Upper
43 100
58 32.8 0.0 53.8



#14
Carbon disulfide
Concen: 32.019 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 76 Resp: 850
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

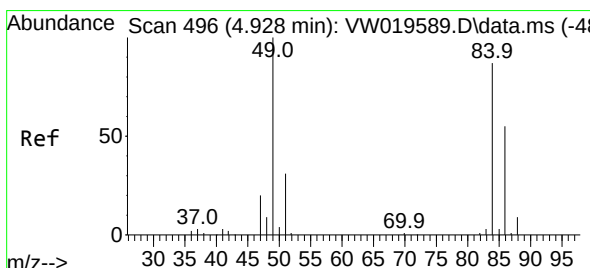
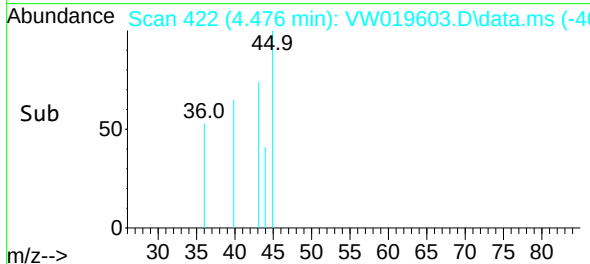
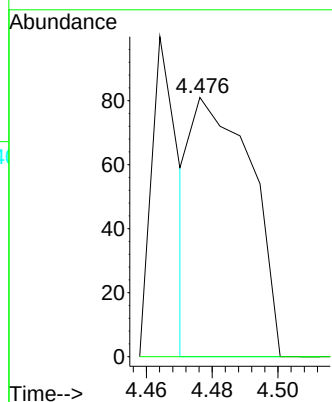
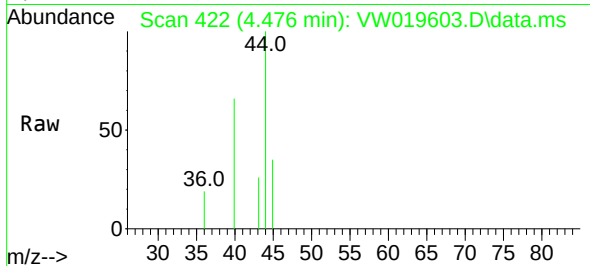




#15
Methyl Acetate
Concen: 23.584 ug/L
RT: 4.476 min Scan# 422
Delta R.T. -0.201 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

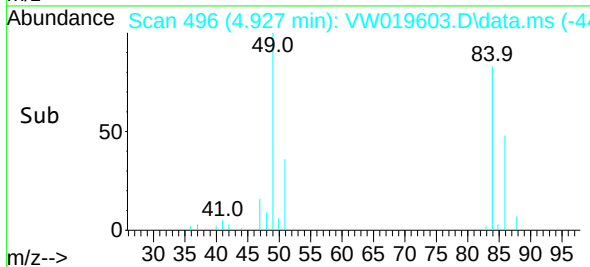
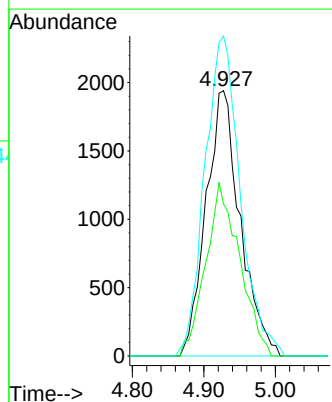
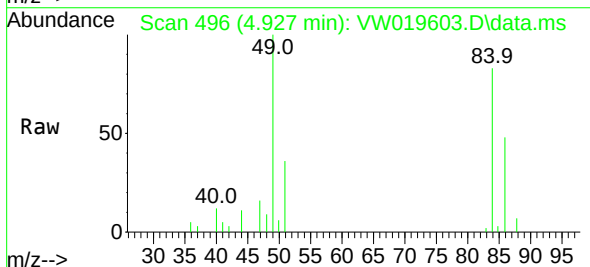
Instrument :
MSVOA_W
ClientSampled :
BGET4

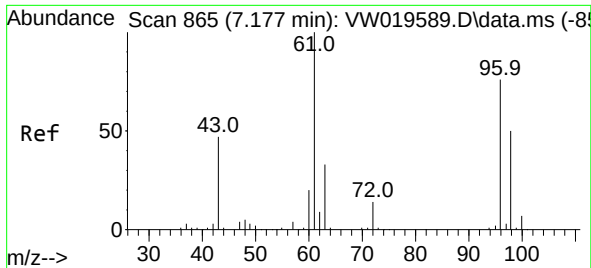
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#16
Methylene chloride
Concen: 509.907 ug/L
RT: 4.927 min Scan# 496
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 84 Resp: 6455
Ion Ratio Lower Upper
84 100
86 57.3 45.3 84.1
49 120.6 86.6 160.8

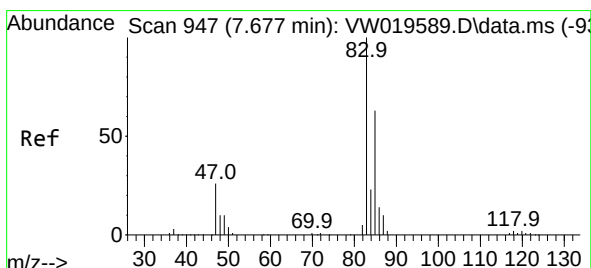
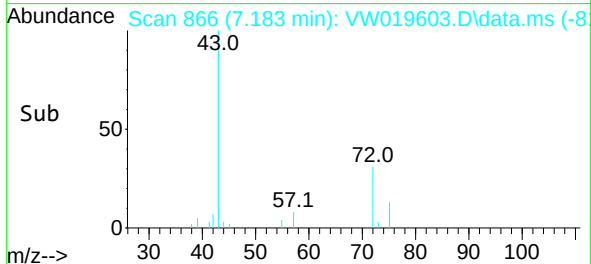
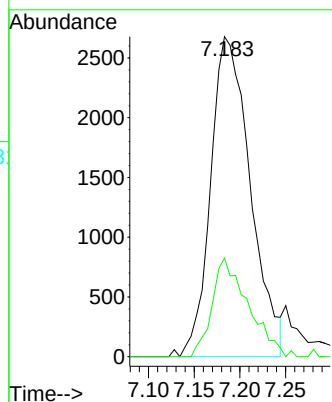
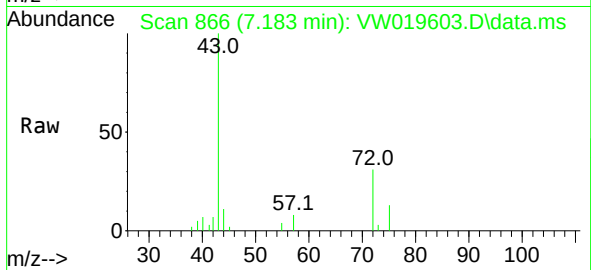




#22
2-Butanone
Concen: 2712.483 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

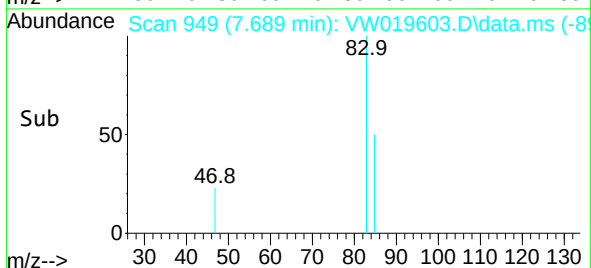
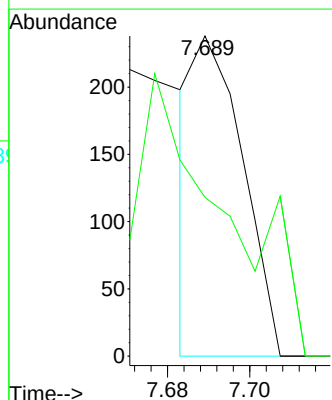
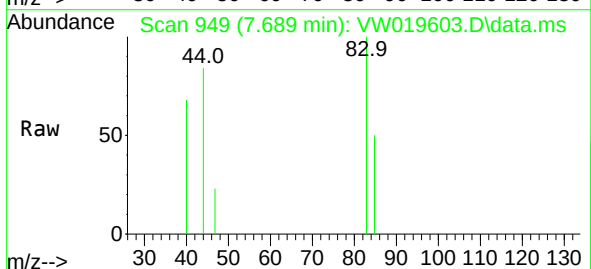
Instrument :
MSVOA_W
ClientSampled :
BGET4

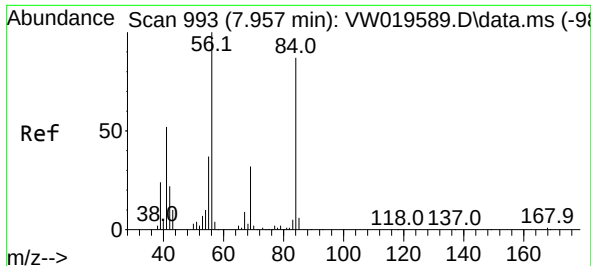
Tgt Ion: 43 Resp: 8076
Ion Ratio Lower Upper
43 100
72 27.8 14.9 44.7



#25
Chloroform
Concen: 11.910 ug/L
RT: 7.689 min Scan# 949
Delta R.T. 0.012 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 83 Resp: 195
Ion Ratio Lower Upper
83 100
85 49.6 44.6 82.8

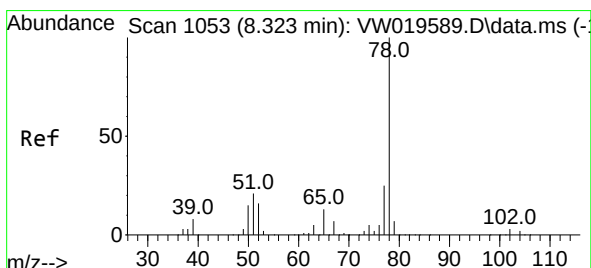
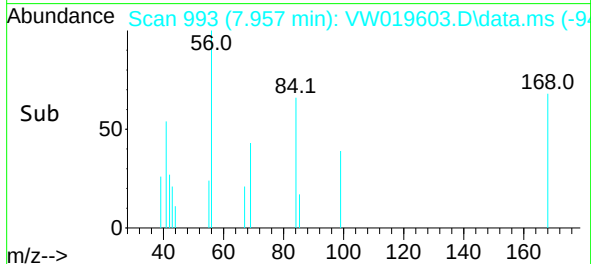
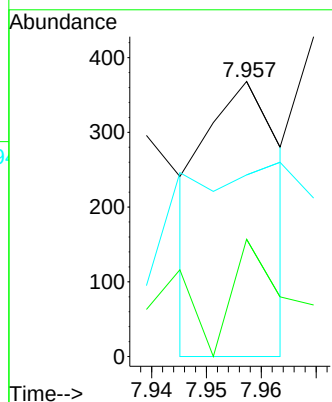
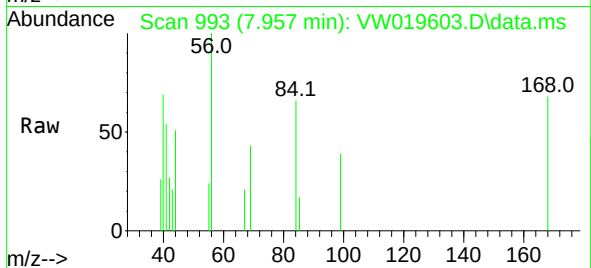




#29
Cyclohexane
Concen: 15.293 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

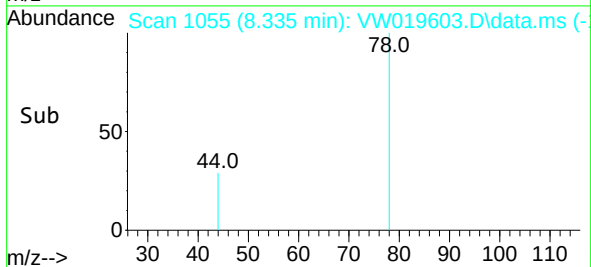
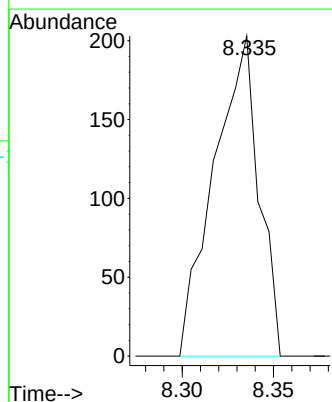
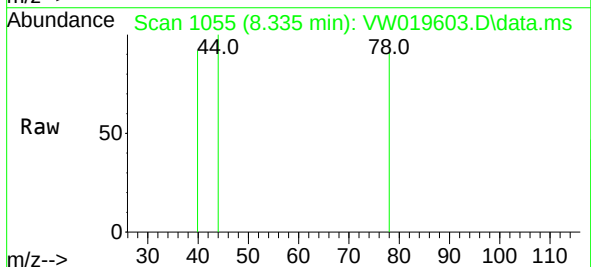
Instrument :
MSVOA_W
ClientSampleId :
BGET4

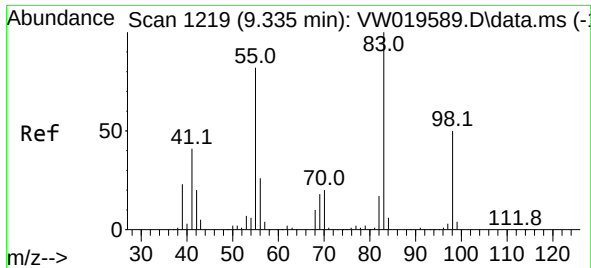
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
69 31.9 24.5 36.7
84 0.0 75.0 112.4#



#33
Benzene
Concen: 6.158 ug/L
RT: 8.335 min Scan# 1055
Delta R.T. 0.012 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 78 Resp: 345

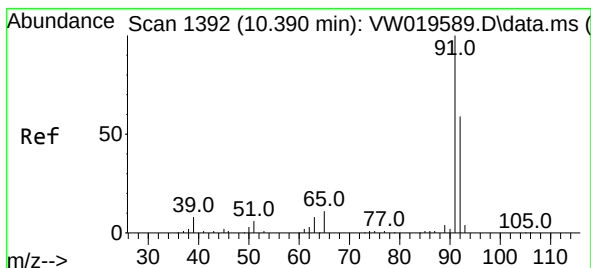
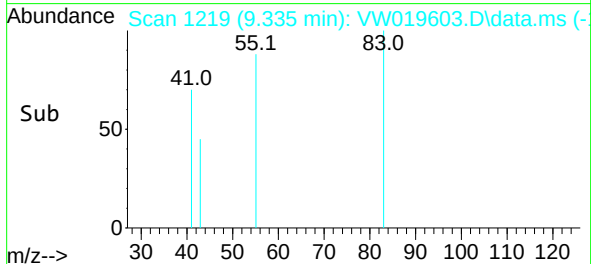
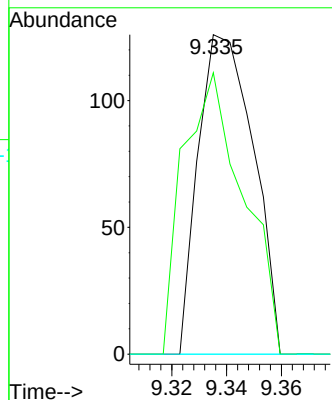
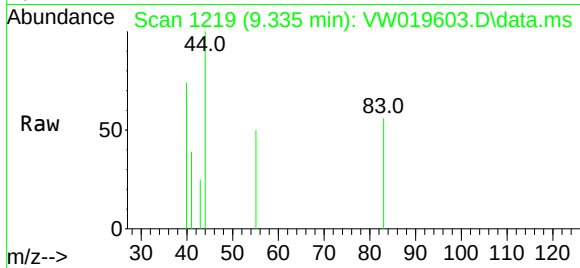




#35
Methylcyclohexane
Concen: 6.956 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

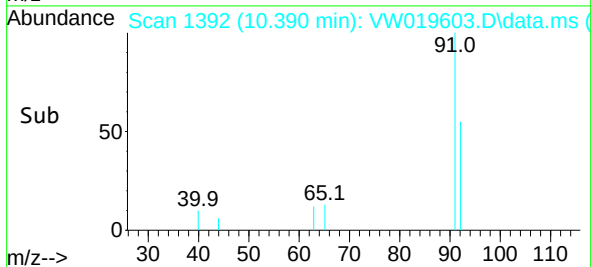
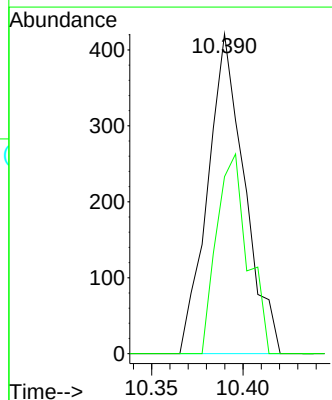
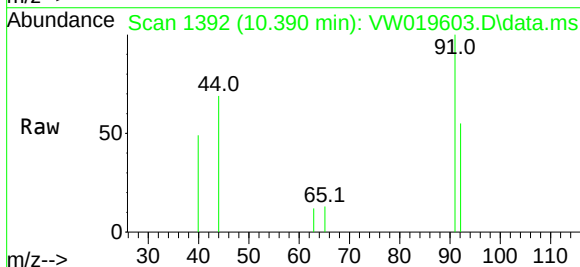
Instrument :
MSVOA_W
ClientSampled :
BGET4

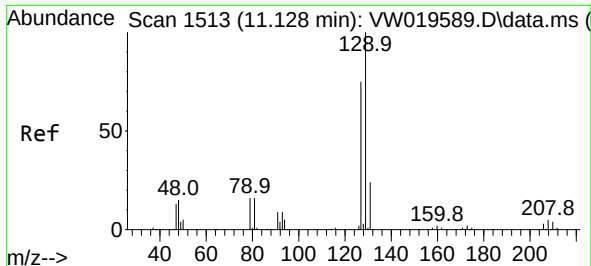
Tgt Ion:	83	Resp:	176
Ion	Ratio	Lower	Upper
83	100		
55	96.6	58.9	88.3#
98	0.0	40.1	60.1#



#42
Toluene
Concen: 10.088 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:	91	Resp:	589
Ion	Ratio	Lower	Upper
91	100		
92	55.3	39.5	73.3

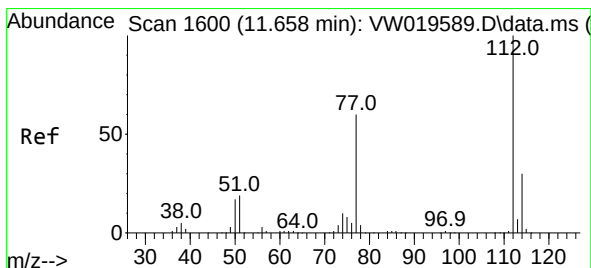
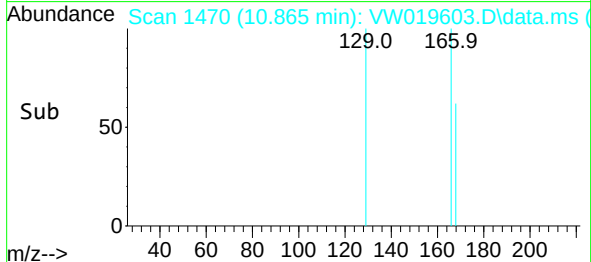
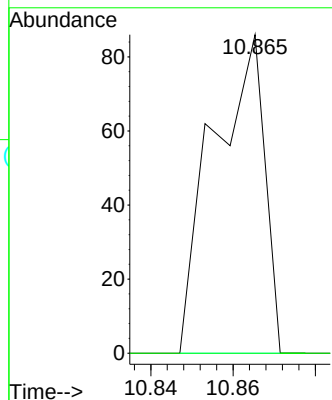
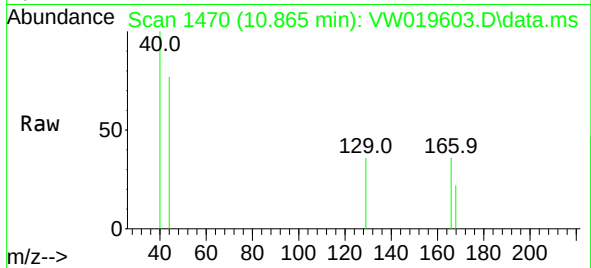




#49
Dibromochloromethane
Concen: 6.602 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

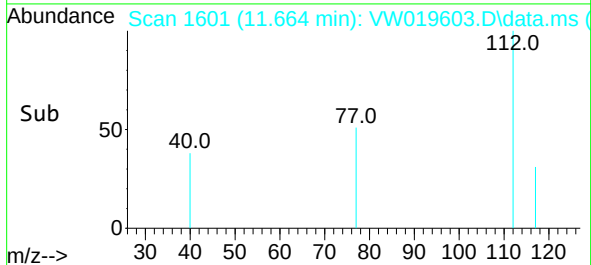
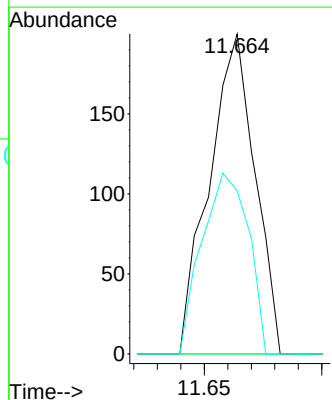
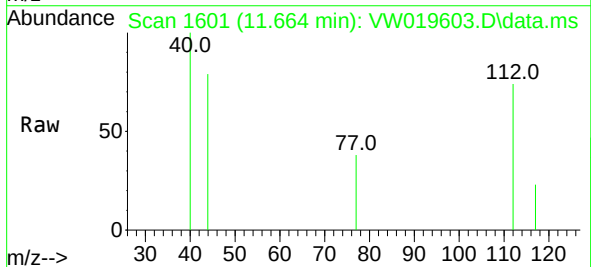
Instrument :
MSVOA_W
ClientSampled :
BGET4

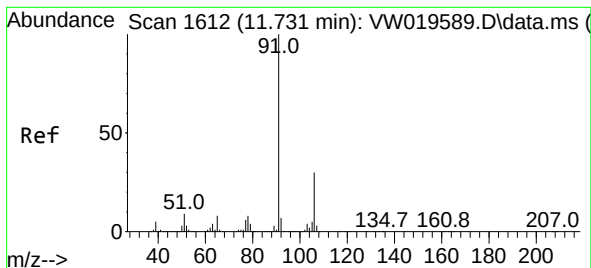
Tgt Ion:129 Resp: 75
Ion Ratio Lower Upper
129 100
127 0.0 51.7 95.9#



#51
Chlorobenzene
Concen: 7.354 ug/L
RT: 11.664 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:112 Resp: 270
Ion Ratio Lower Upper
112 100
114 0.0 23.4 43.6#
77 51.0 47.6 71.4

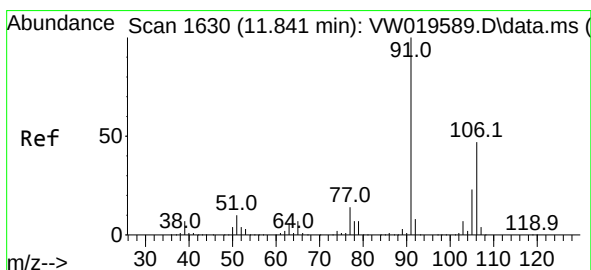
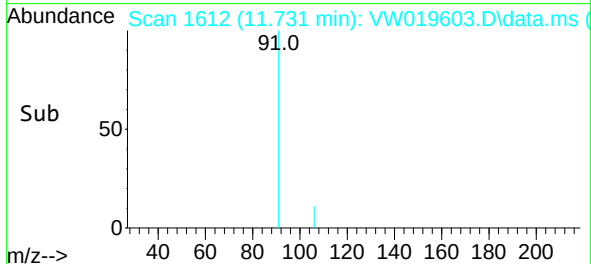
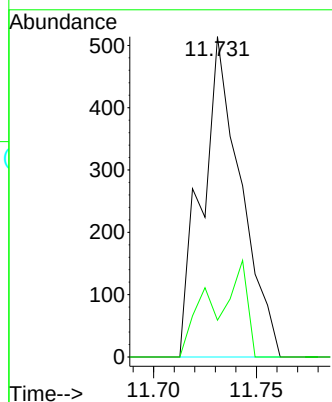
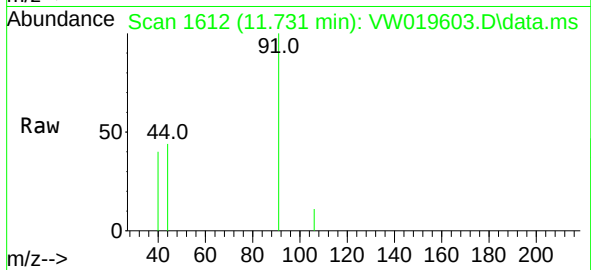




#52
Ethylbenzene
Concen: 10.666 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

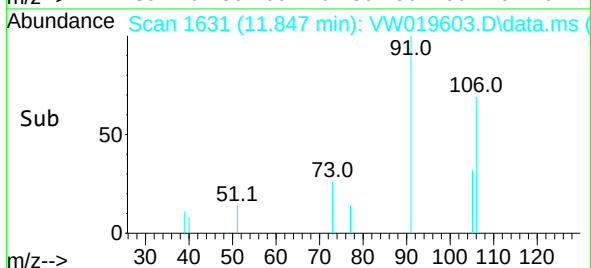
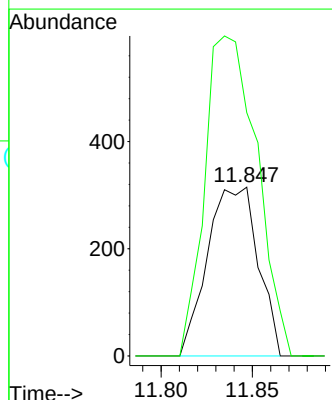
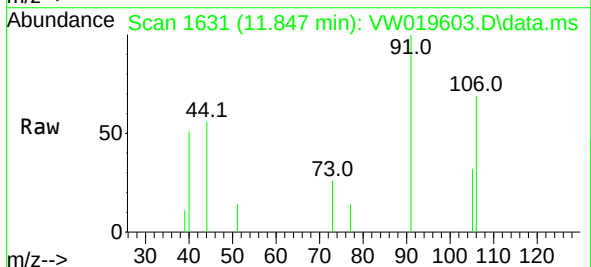
Instrument :
MSVOA_W
ClientSampleId :
BGET4

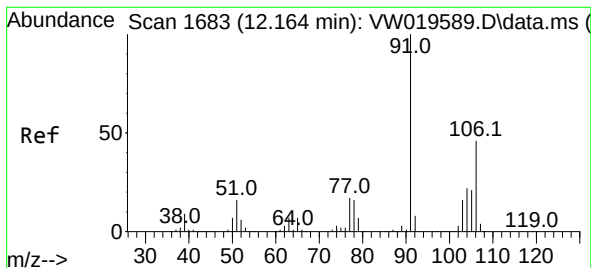
Tgt Ion: 91 Resp: 678
Ion Ratio Lower Upper
91 100
106 11.5 22.5 41.7#



#53
m,p-Xylene
Concen: 25.268 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 106 Resp: 607
Ion Ratio Lower Upper
106 100
91 144.1 141.3 262.3

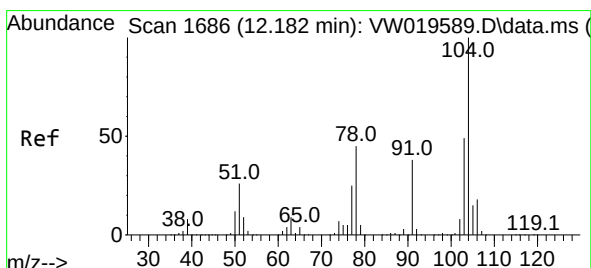
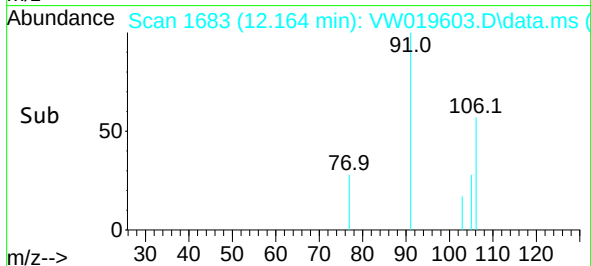
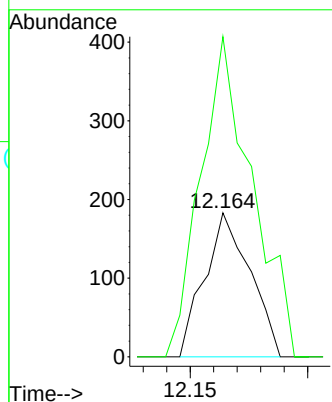
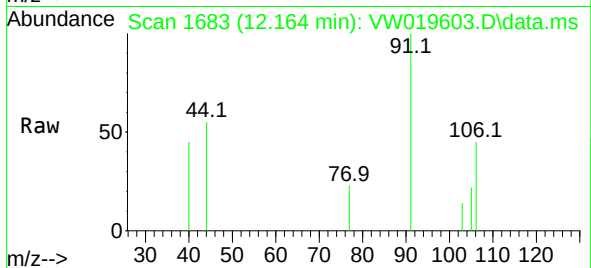




#54
o-Xylene
Concen: 10.837 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

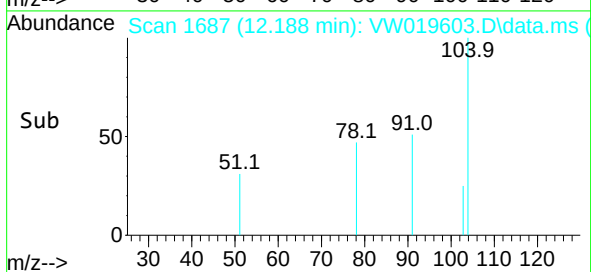
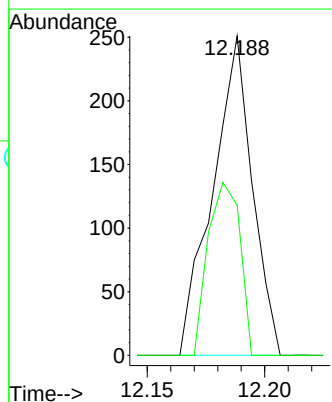
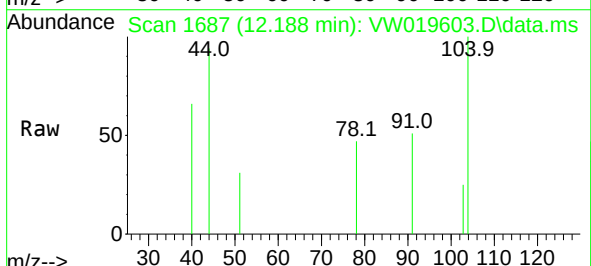
Instrument :
MSVOA_W
ClientSampled :
BGET4

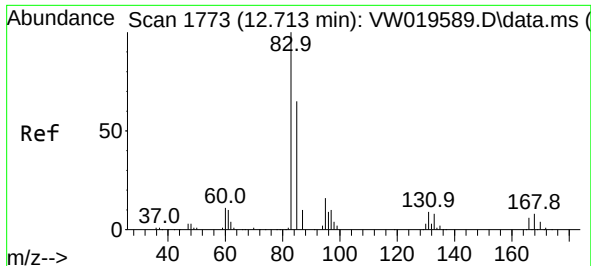
Tgt Ion:106 Resp: 246
Ion Ratio Lower Upper
106 100
91 222.4 150.0 278.6



#55
Styrene
Concen: 7.500 ug/L
RT: 12.188 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:104 Resp: 295
Ion Ratio Lower Upper
104 100
78 47.0 32.5 60.3

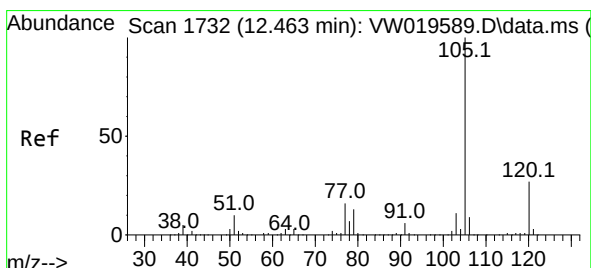
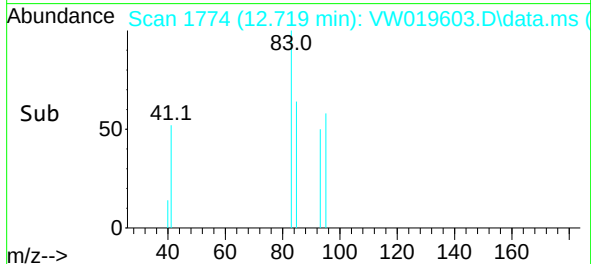
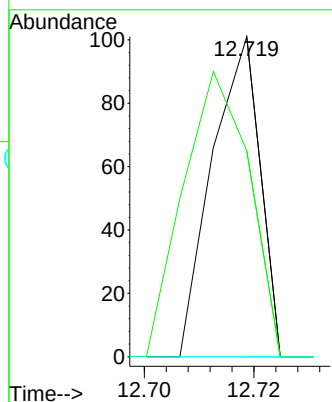
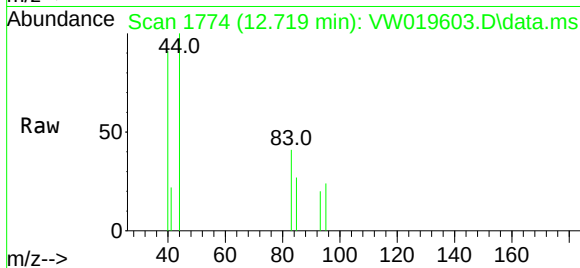




#57
1,1,2,2-Tetrachloroethane
Concen: 4.689 ug/L
RT: 12.719 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

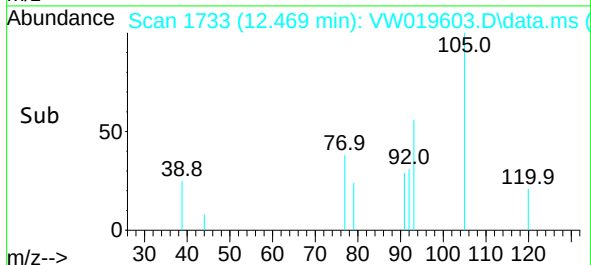
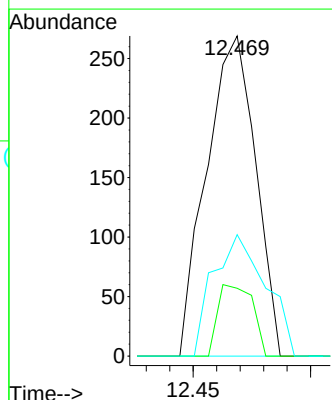
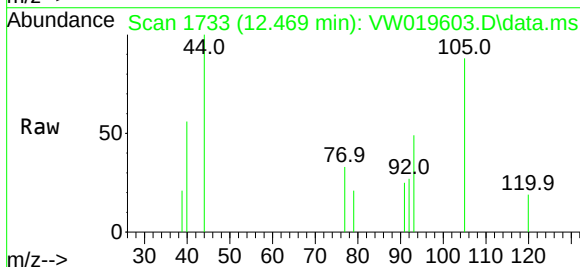
Instrument :
MSVOA_W
ClientSampled :
BGET4

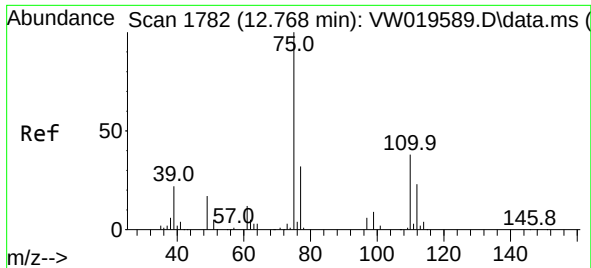
Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.4	82.4
131	0.0	8.2	12.4#



#60
Isopropylbenzene
Concen: 3.627 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:	105	Resp:	390
Ion	Ratio	Lower	Upper
105	100		
120	15.6	21.1	31.7#
77	40.5	13.2	19.8#

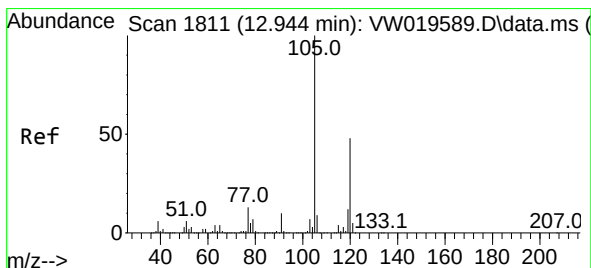
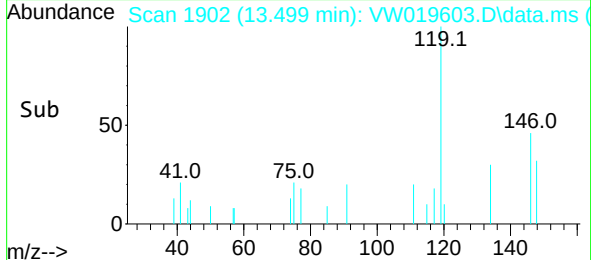
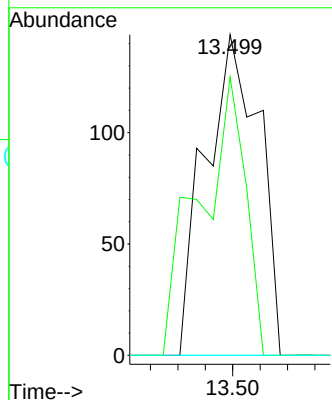
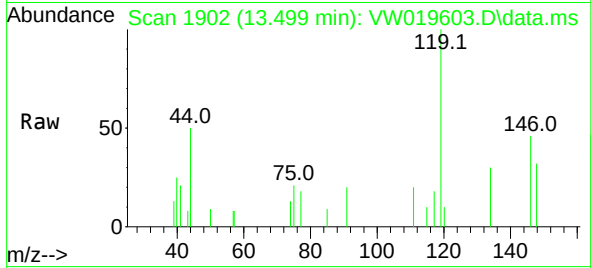




#61
1,2,3-Trichloropropane
Concen: 11.241 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.731 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

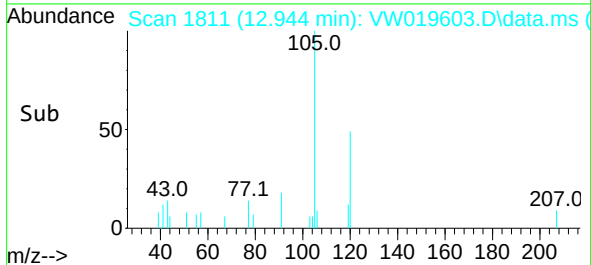
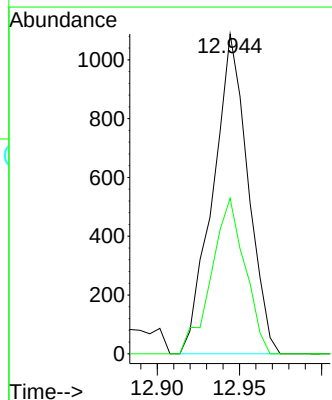
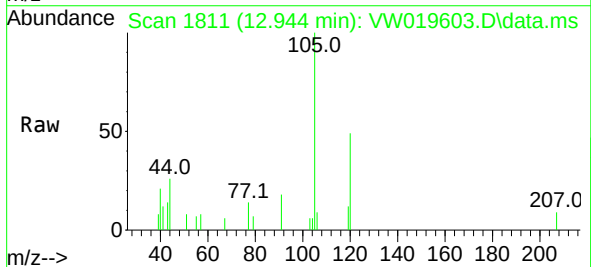
Instrument :
MSVOA_W
ClientSampled :
BGET4

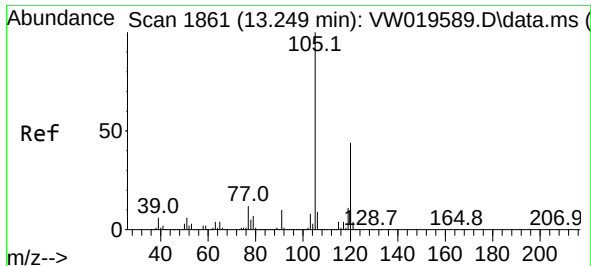
Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
77 37.1 25.3 37.9
110 0.0 32.6 48.8#



#62
1,3,5-Trimethylbenzene
Concen: 17.907 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion: 105 Resp: 1612
Ion Ratio Lower Upper
105 100
120 46.5 39.0 58.6

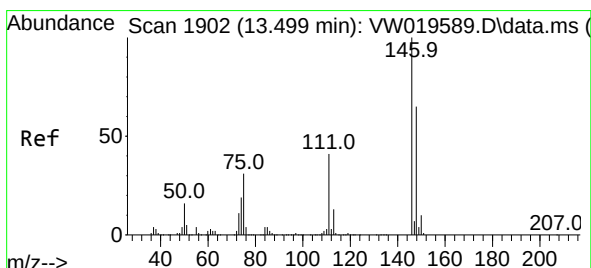
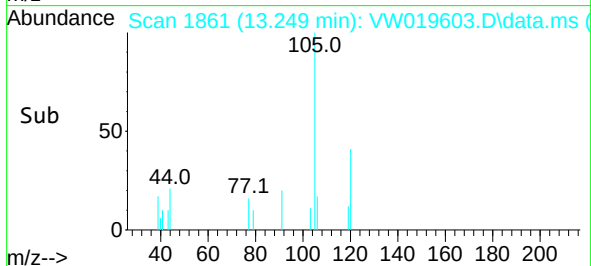
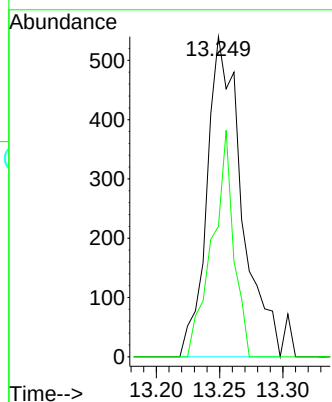
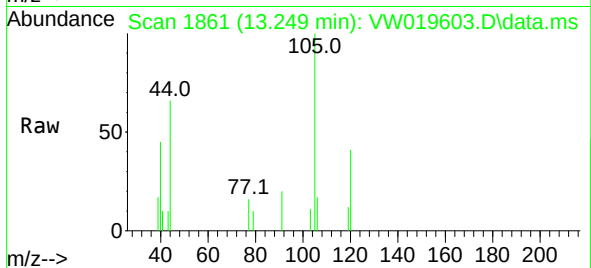




#63
1,2,4-Trimethylbenzene
Concen: 11.377 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

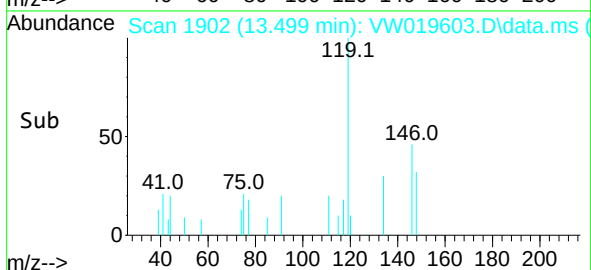
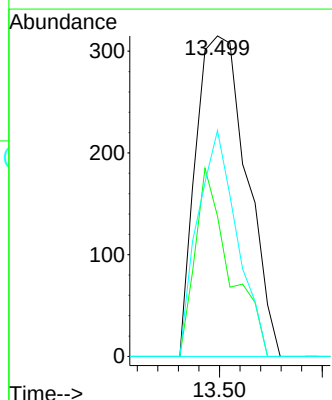
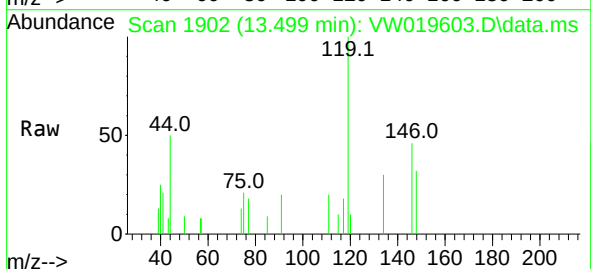
Instrument :
MSVOA_W
ClientSampled :
BGET4

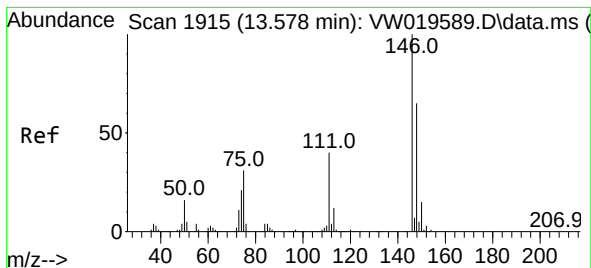
Tgt Ion:105 Resp: 1032
Ion Ratio Lower Upper
105 100
120 43.3 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 11.016 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:146 Resp: 542
Ion Ratio Lower Upper
146 100
111 43.8 26.7 49.7
148 70.5 41.1 76.3

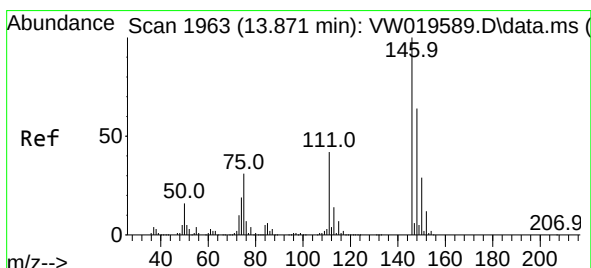
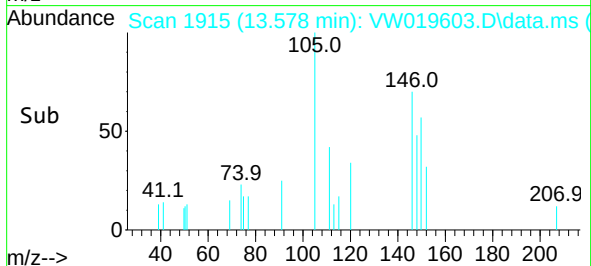
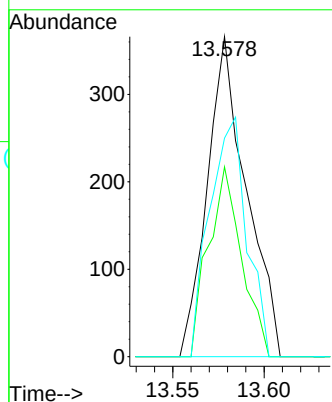
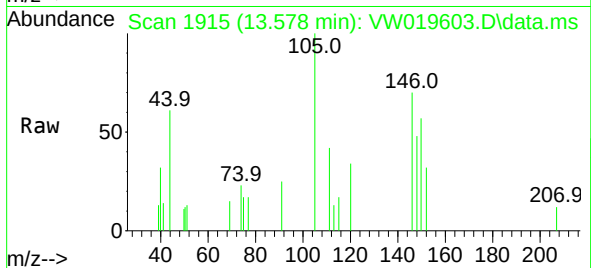




#65
1,4-Dichlorobenzene
Concen: 11.190 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

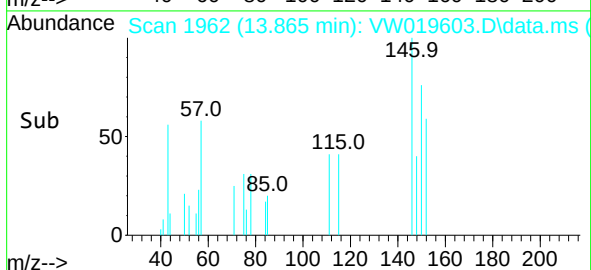
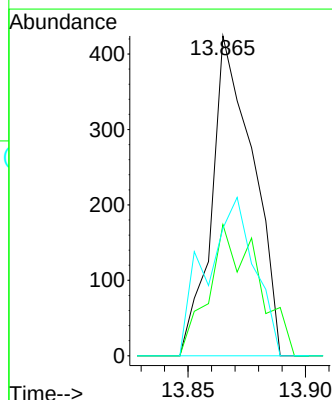
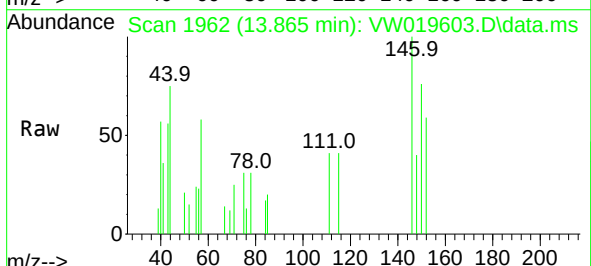
Instrument :
MSVOA_W
ClientSampleId :
BGET4

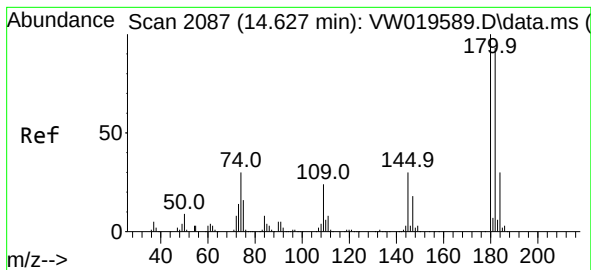
Tgt Ion:146	Resp:	544
Ion	Ratio	Lower Upper
146	100	
111	59.3	28.8 53.4#
148	68.3	46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 11.709 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:146	Resp:	519
Ion	Ratio	Lower Upper
146	100	
111	41.0	33.2 49.8
148	39.9	50.4 75.6#

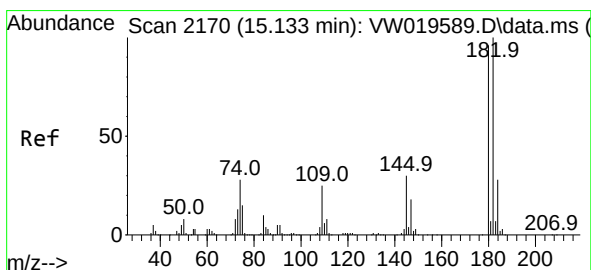
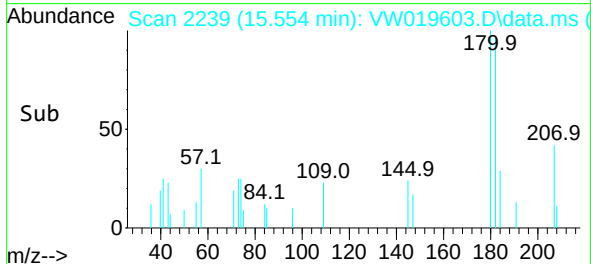
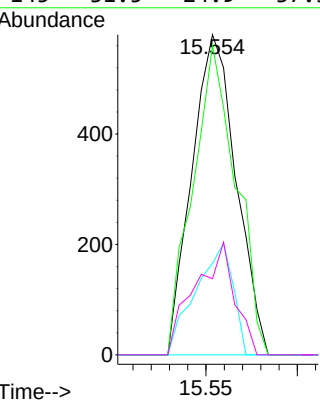
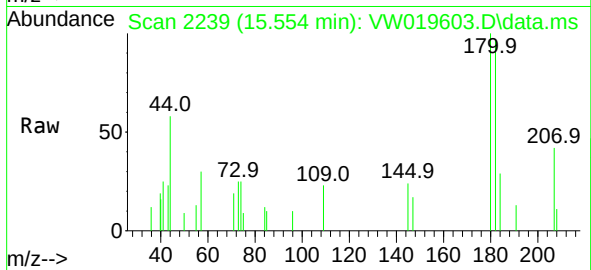




#69
1,3,5-Trichlorobenzene
Concen: 27.177 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.927 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

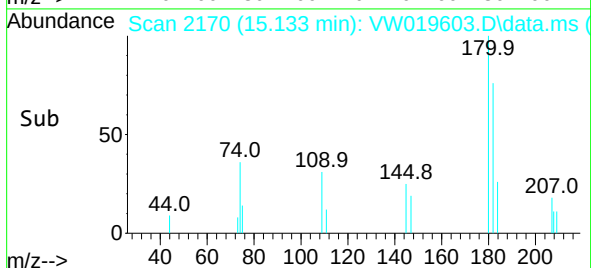
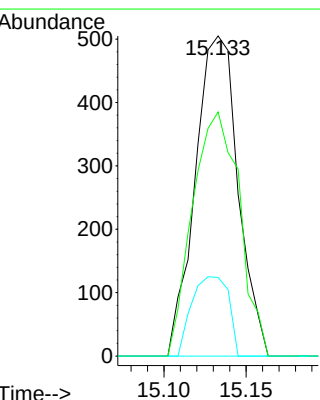
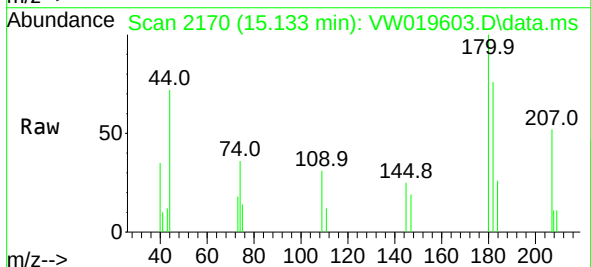
Instrument :
MSVOA_W
ClientSampled :
BGET4

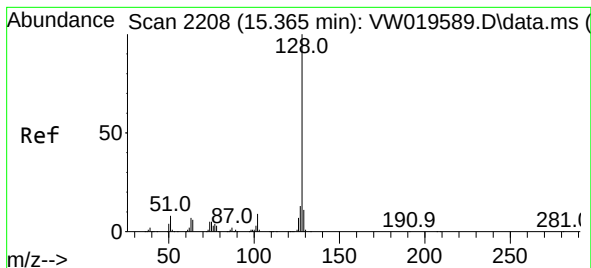
Tgt Ion:	180	Resp:	977
Ion Ratio	Lower	Upper	
180	100		
182	94.4	73.4	110.2
184	29.4	23.6	35.4
145	31.5	24.9	37.3



#70
1,2,4-trichlorobenzene
Concen: 30.510 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:	180	Resp:	917
Ion Ratio	Lower	Upper	
180	100		
182	83.2	74.7	112.1
145	21.3	25.0	37.4#

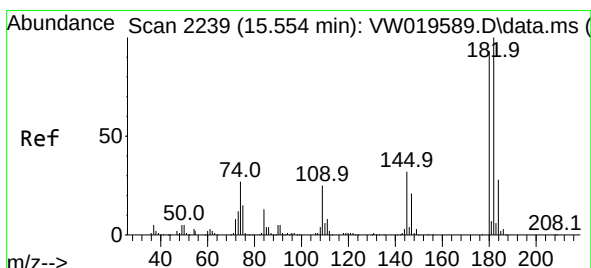
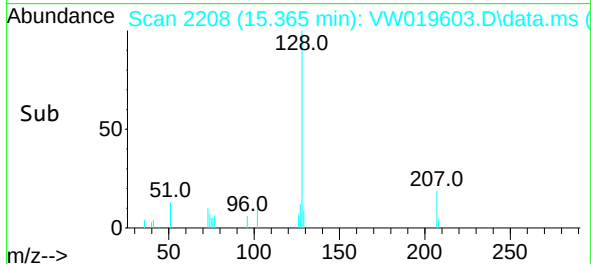
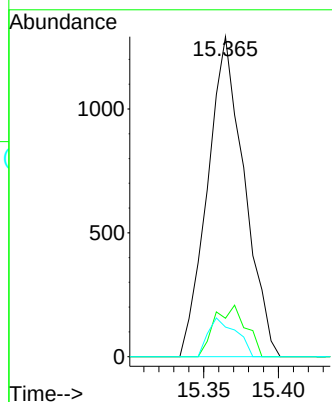
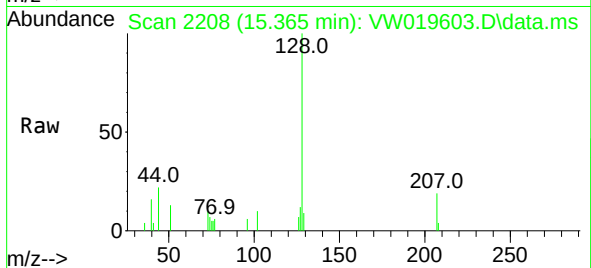




#71
Naphthalene
Concen: 36.390 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Instrument :
MSVOA_W
ClientSampleId :
BGET4

Tgt Ion:	128	Resp:	2209
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	9.2	9.0	13.6



#72
1,2,3-Trichlorobenzene
Concen: 36.298 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

Tgt Ion:	180	Resp:	977
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.7	115.1
145	31.5	28.9	43.3

