

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)

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		
13) Acetone	4.141	43	36486	18961.923	ug/L	89
16) Methylene chloride	4.927	84	6455	509.907	ug/L	95
22) 2-Butanone	7.183	43	8076	2712.483	ug/L	96
35) Methylcyclohexane	9.335	83	176	6.956	ug/L #	54
42) Toluene	10.390	91	589	10.088	ug/L	99
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
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
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
70) 1,2,4-trichlorobenzene	15.133	180	917	30.510	ug/L #	88
72) 1,2,3-Trichlorobenzene	15.554	180	977	36.298	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Tue Jul 27 01:09:44 2021
Response via : Initial Calibration

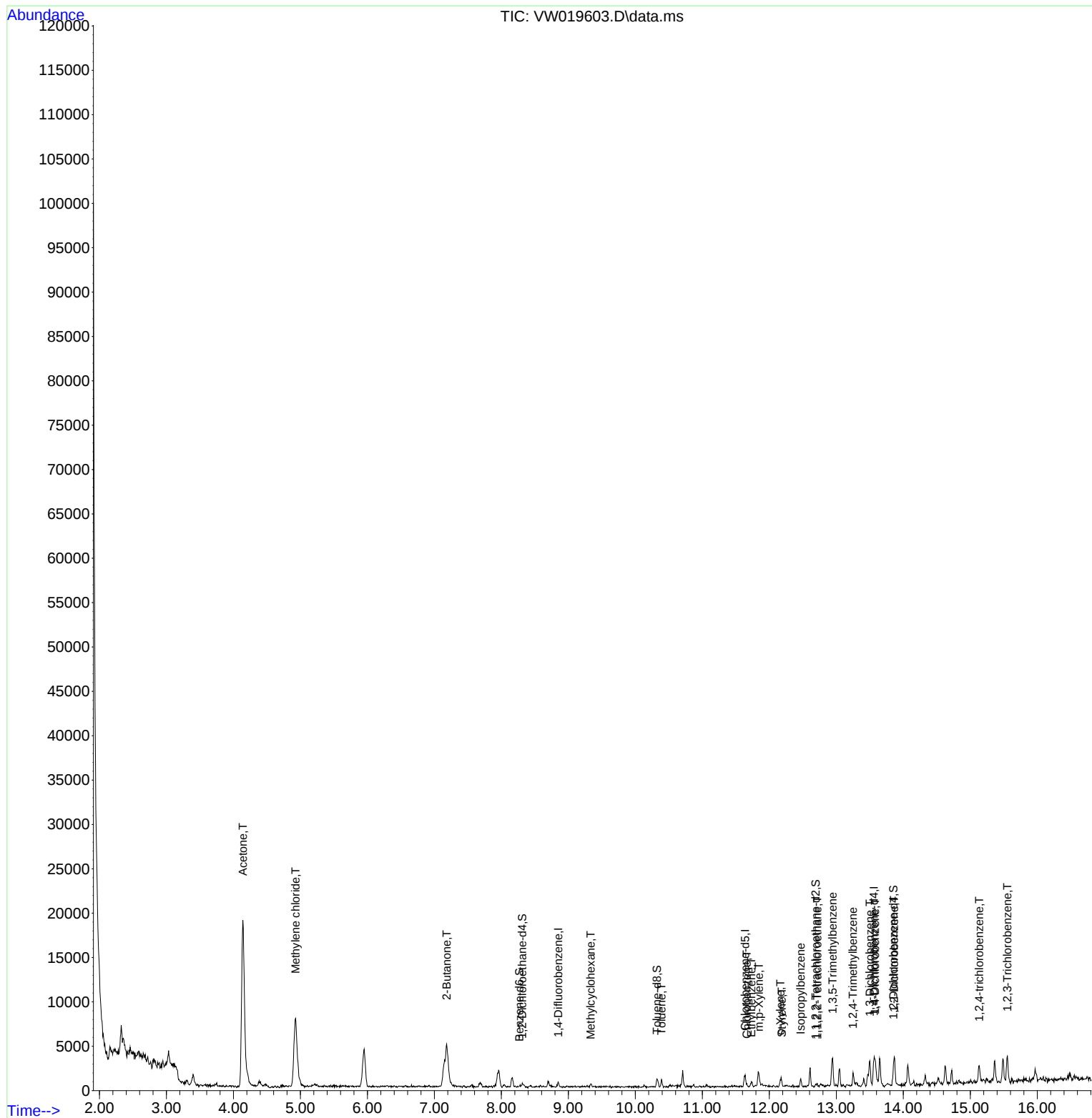
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

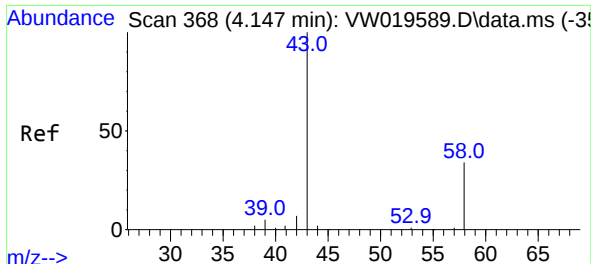
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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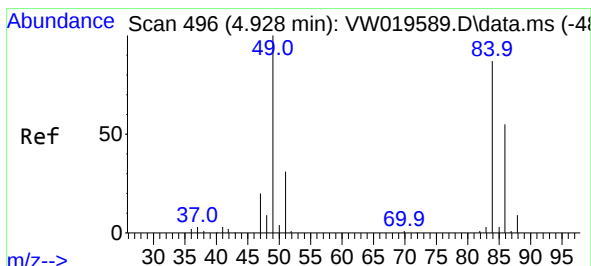
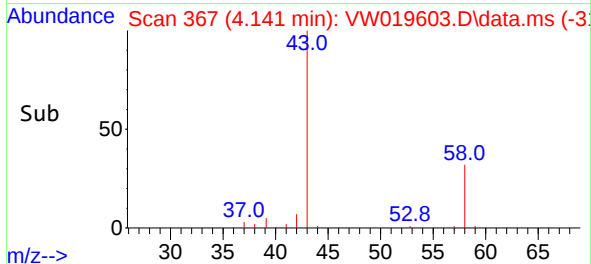
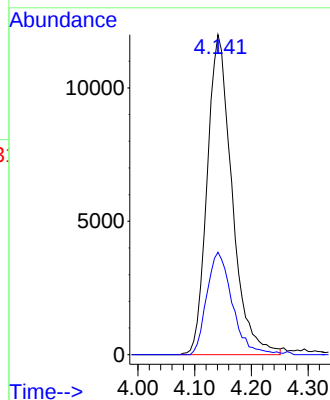
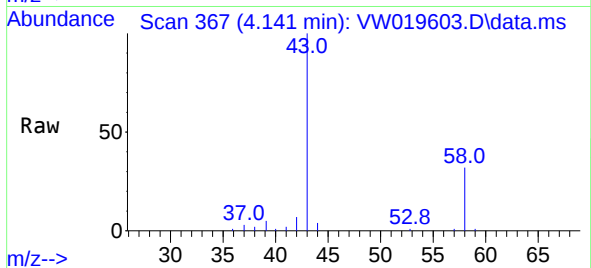




#13
Acetone
Concen: 18961.923 ug/L
RT: 4.141 min Scan# 367
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

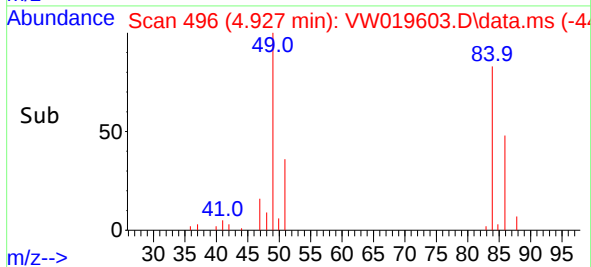
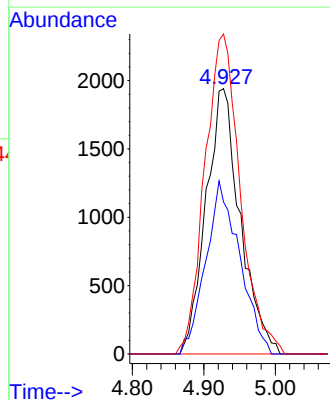
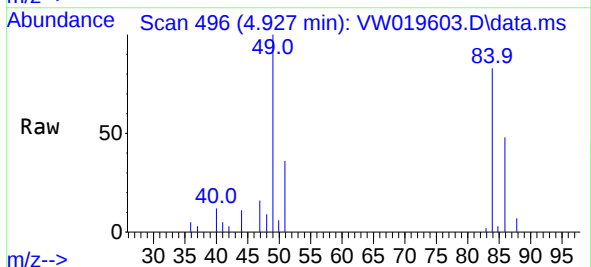
Instrument :
MSVOA_W
ClientSampled :
BGET4

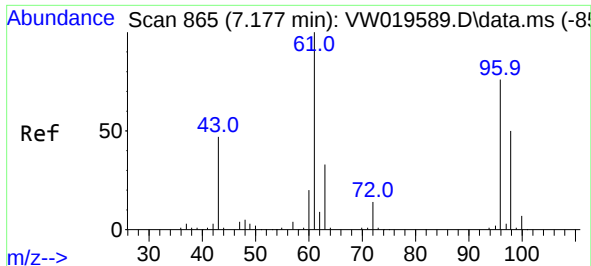
Tgt Ion: 43 Resp: 36486
Ion Ratio Lower Upper
43 100
58 32.8 0.0 53.8



#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

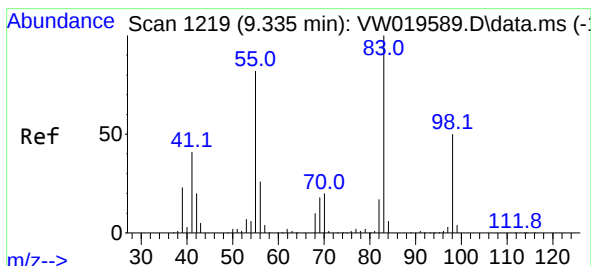
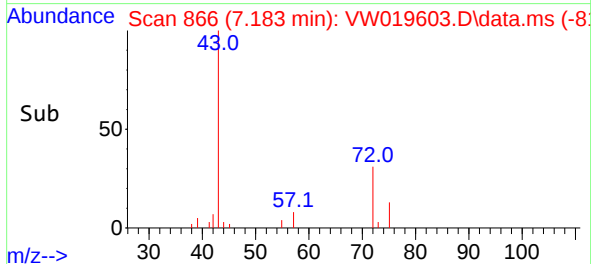
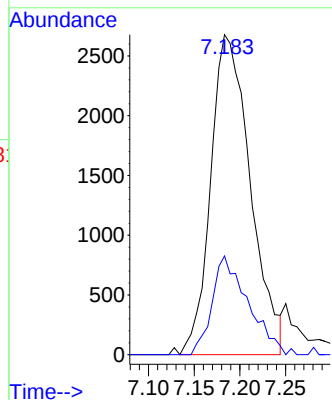
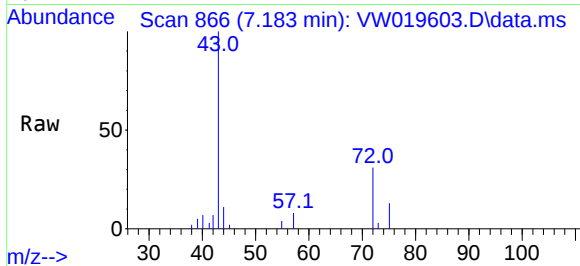




#22
2-Butanone
Concen: 2712.483 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

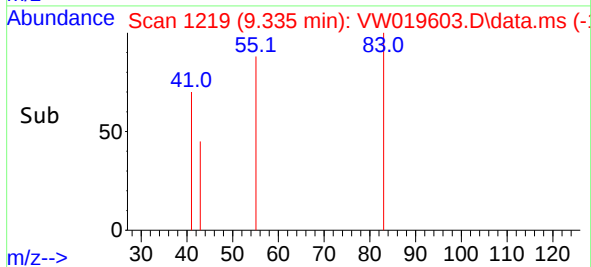
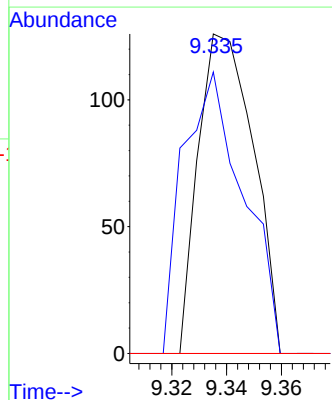
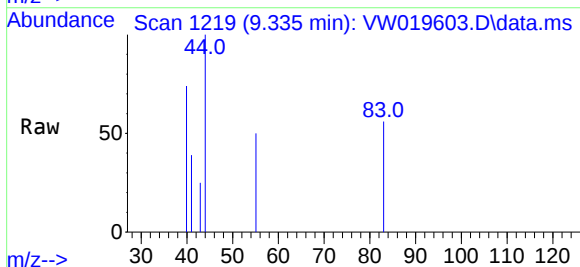
Instrument :
MSVOA_W
ClientSampled :
BGET4

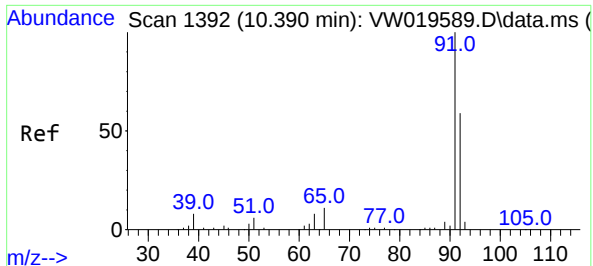
Tgt Ion: 43 Resp: 8076
Ion Ratio Lower Upper
43 100
72 27.8 14.9 44.7



#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

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#

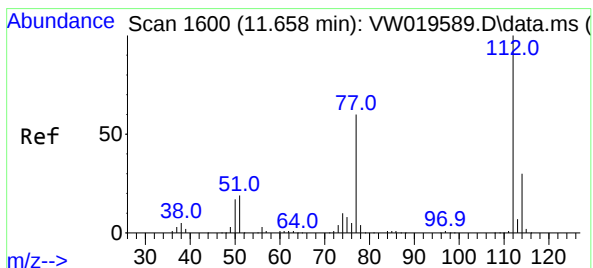
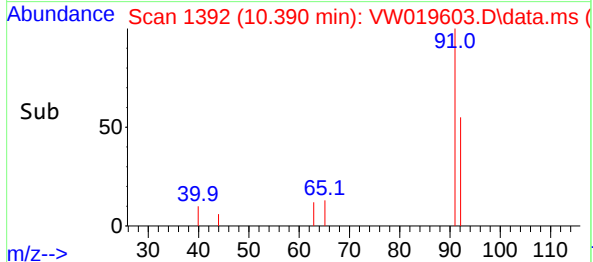
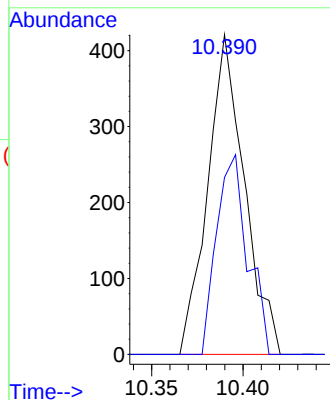
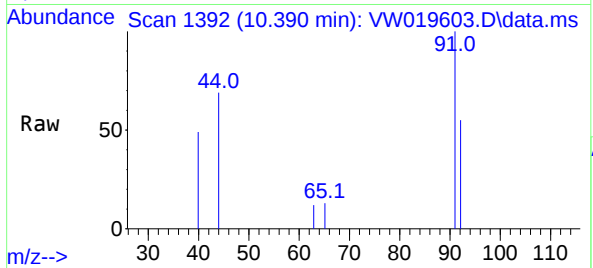




#42
Toluene
Concen: 10.088 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

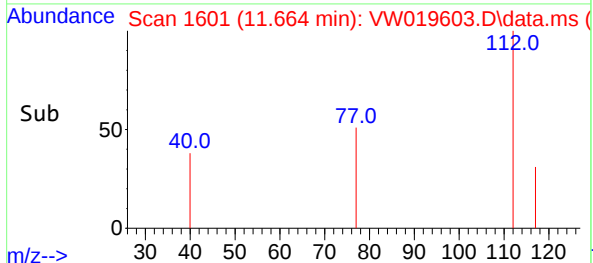
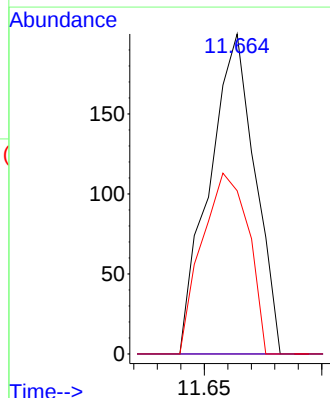
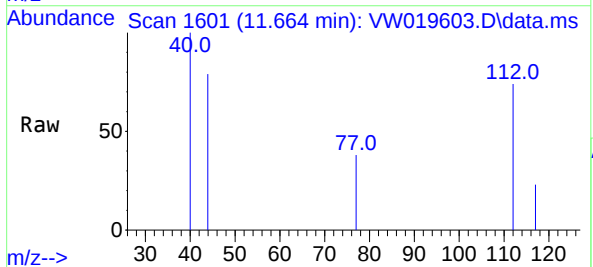
Instrument :
MSVOA_W
ClientSampled :
BGET4

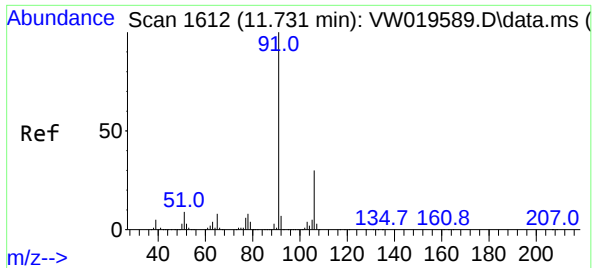
Tgt Ion: 91 Resp: 589
Ion Ratio Lower Upper
91 100
92 55.3 39.5 73.3



#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

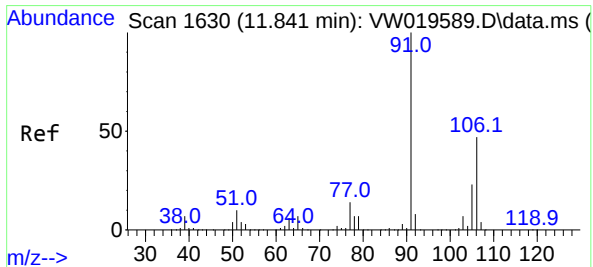
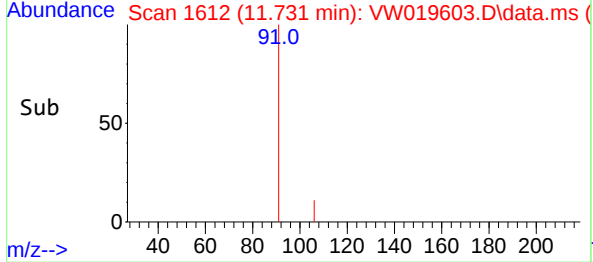
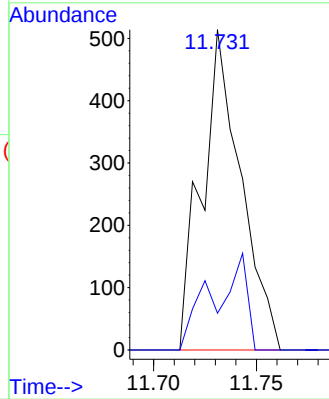
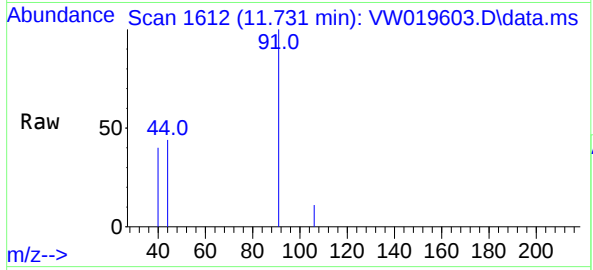




#52
Ethylbenzene
Concen: 10.666 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

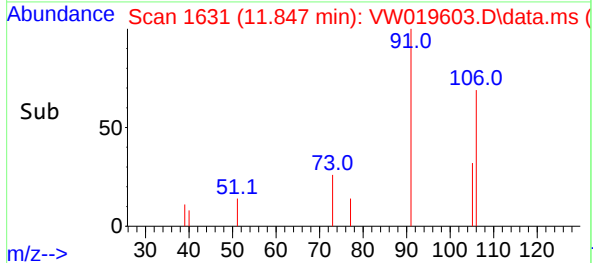
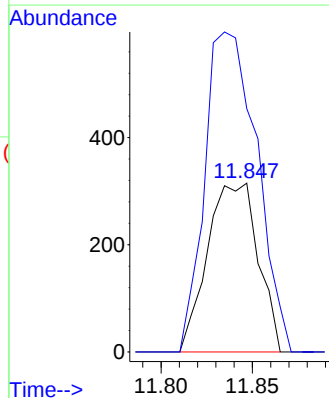
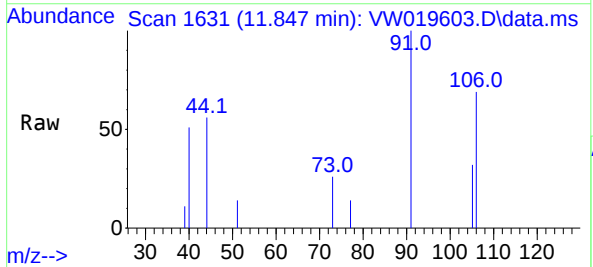
Instrument :
MSVOA_W
ClientSampled :
BGET4

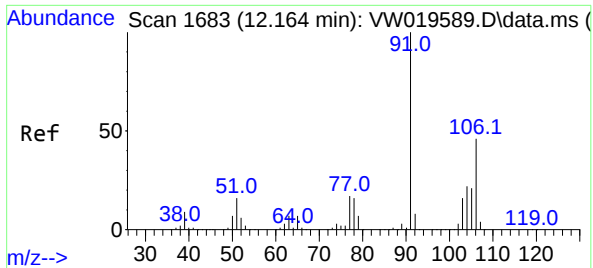
Tgt Ion: 91 Resp: 678
Ion Ratio Lower Upper
91 100
106 11.5 22.5 41.7#



#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

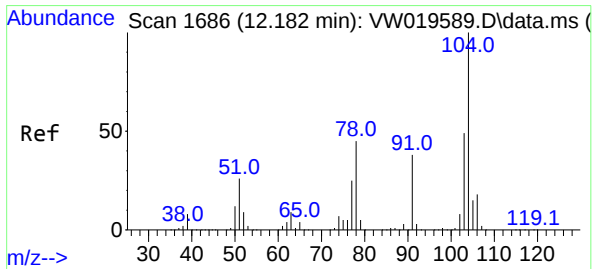
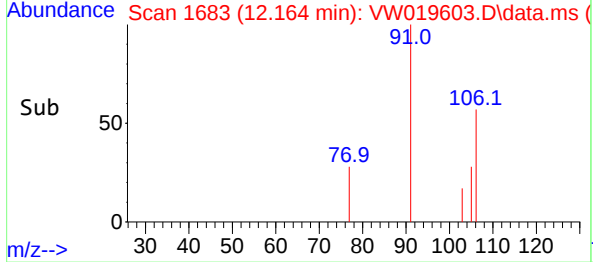
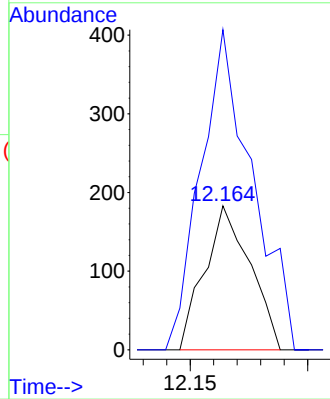
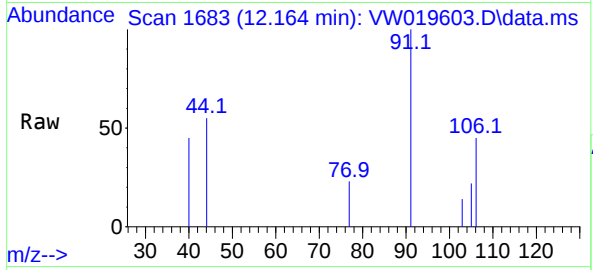




#54
o-Xylene
Concen: 10.837 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

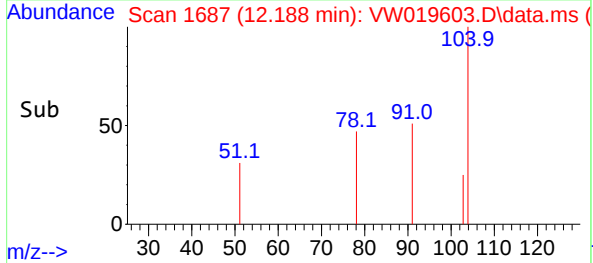
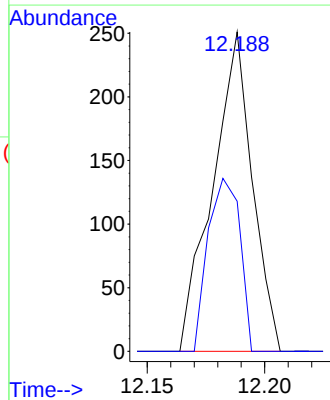
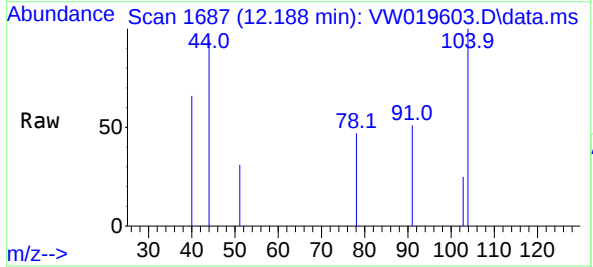
Instrument :
MSVOA_W
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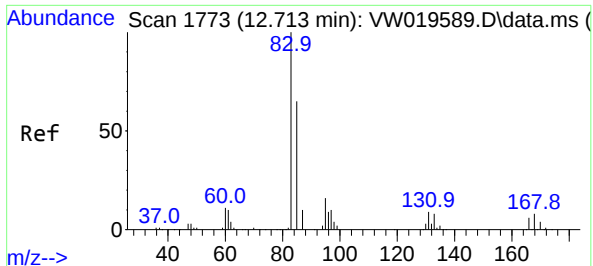
Tgt Ion:106 Resp: 246
Ion Ratio Lower Upper
106 100
91 222.4 150.0 278.6



#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

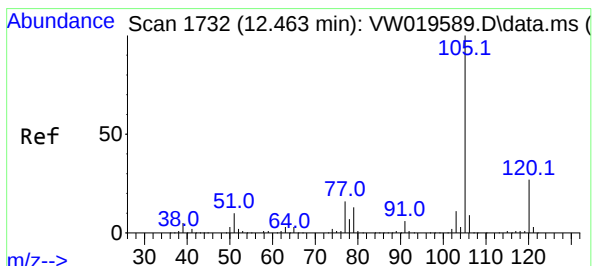
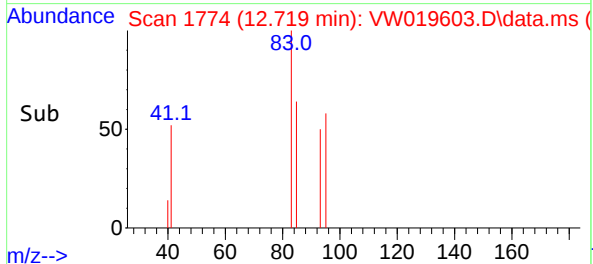
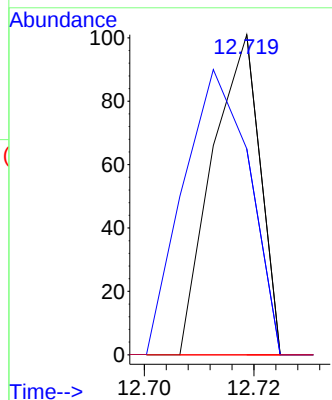
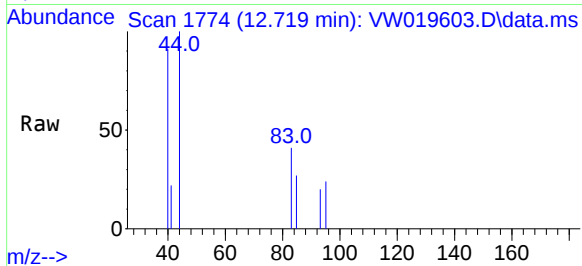




#57
1,1,2,2-Tetrachloroethane
Concen: 4.689 ug/L
RT: 12.719 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

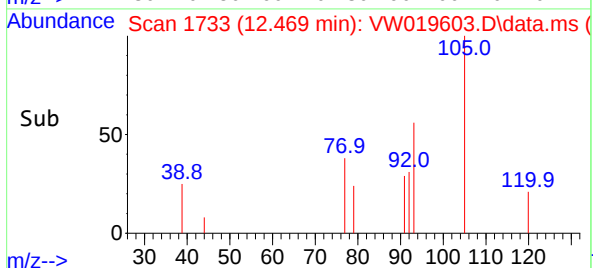
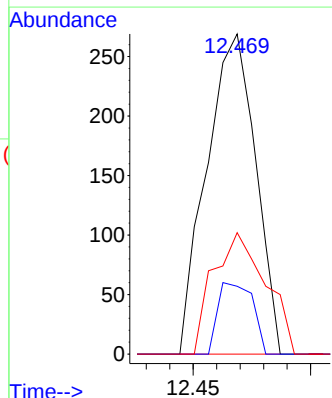
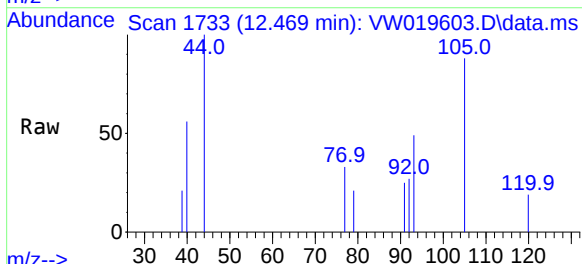
Instrument :
MSVOA_W
ClientSampled :
BGET4

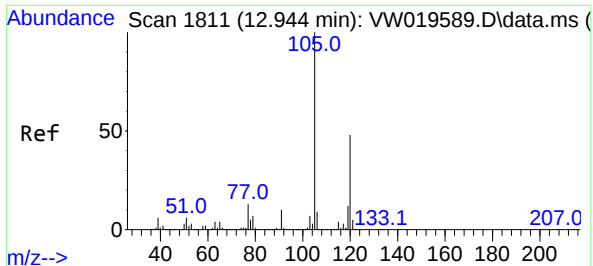
Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
85	64.4	44.4	82.4
131	0.0	8.2	12.4#



#60
Isopropylbenzene
Concen: 3.627 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
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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#

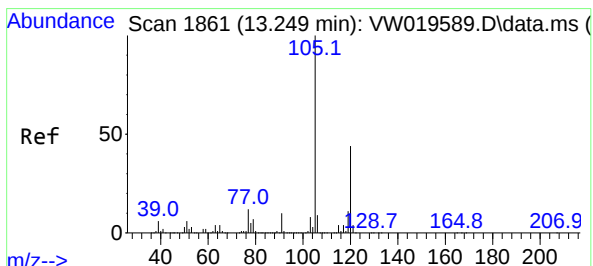
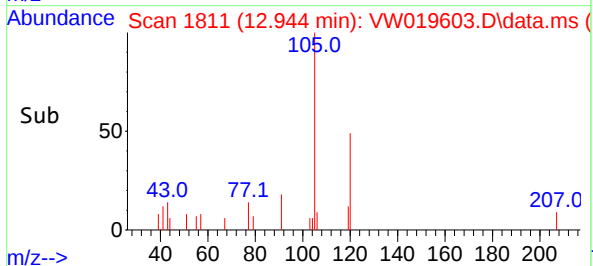
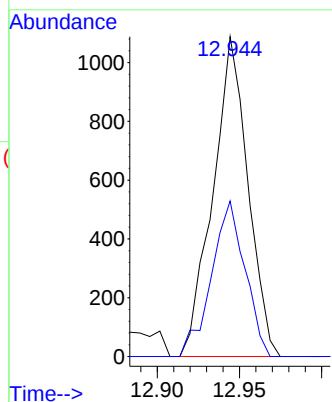
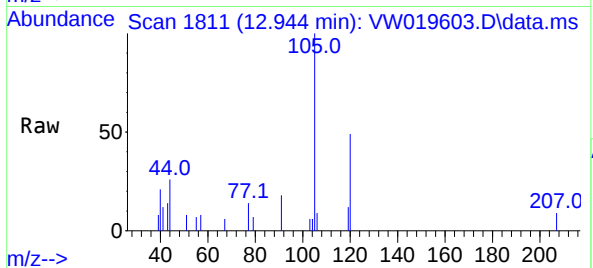




#62
1,3,5-Trimethylbenzene
Concen: 17.907 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

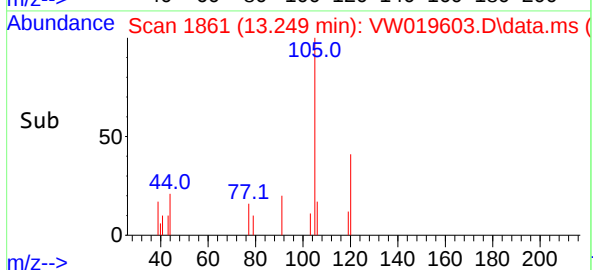
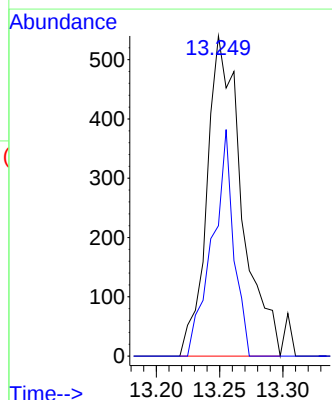
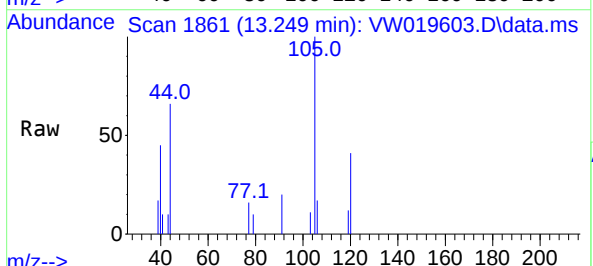
Instrument :
MSVOA_W
ClientSampled :
BGET4

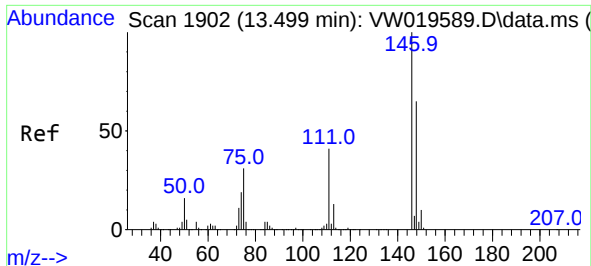
Tgt Ion:105 Resp: 1612
Ion Ratio Lower Upper
105 100
120 46.5 39.0 58.6



#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

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

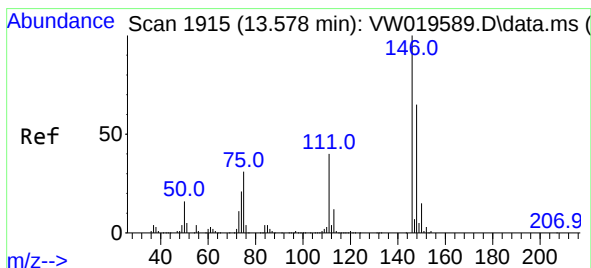
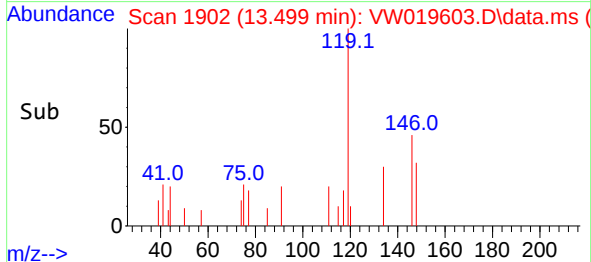
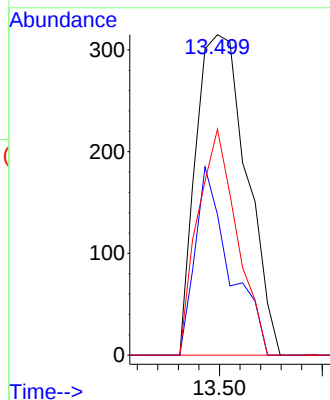
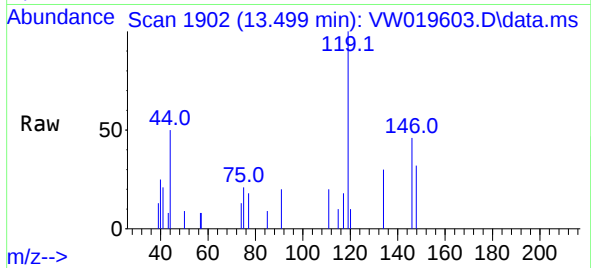




#64
1,3-Dichlorobenzene
Concen: 11.016 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

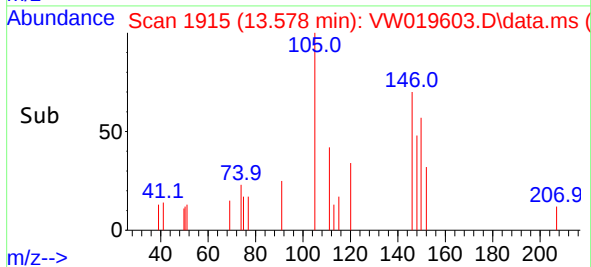
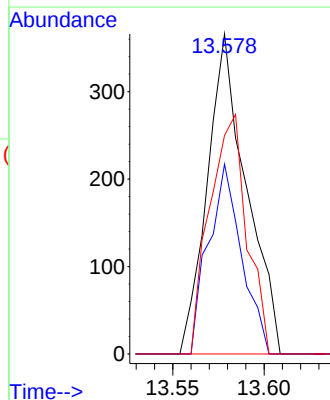
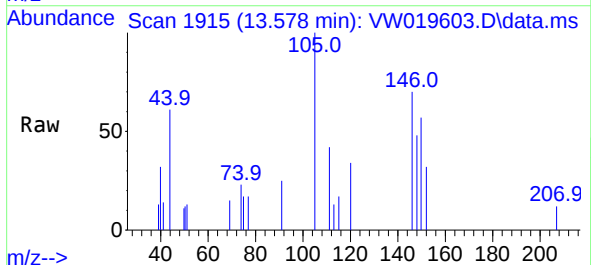
Instrument :
MSVOA_W
ClientSampled :
BGET4

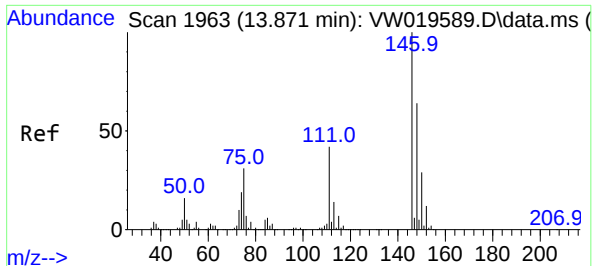
Tgt Ion:146	Resp:	542
Ion	Ratio	Lower Upper
146	100	
111	43.8	26.7 49.7
148	70.5	41.1 76.3



#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

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

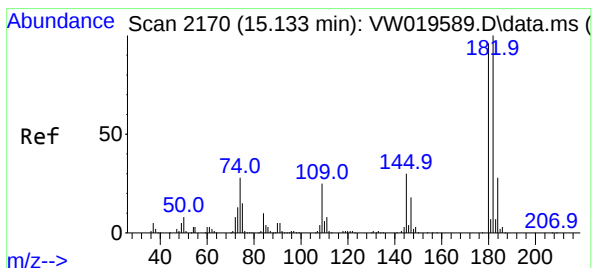
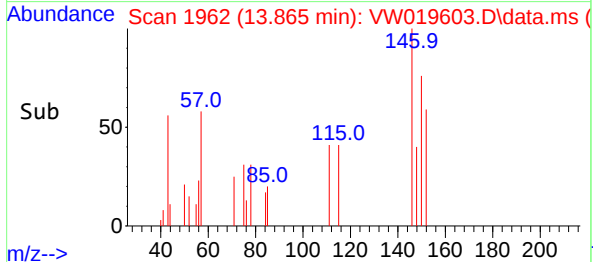
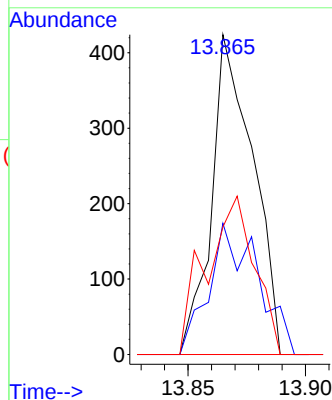
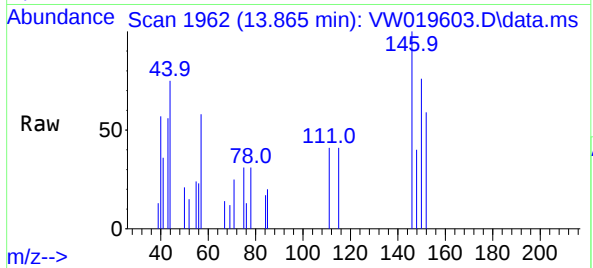




#67
1,2-Dichlorobenzene
Concen: 11.709 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019603.D
Acq: 26 Jul 2021 18:20

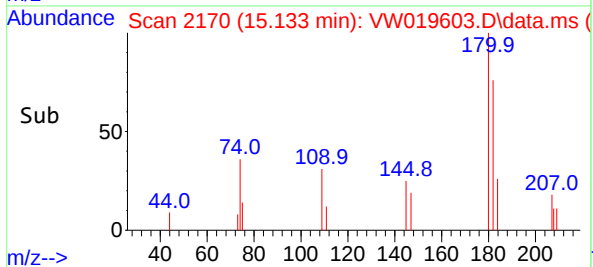
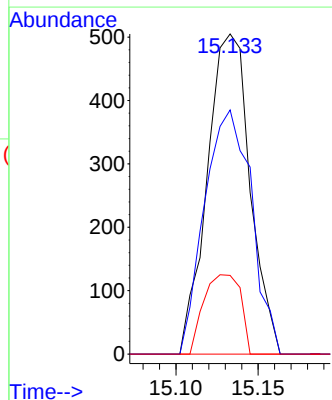
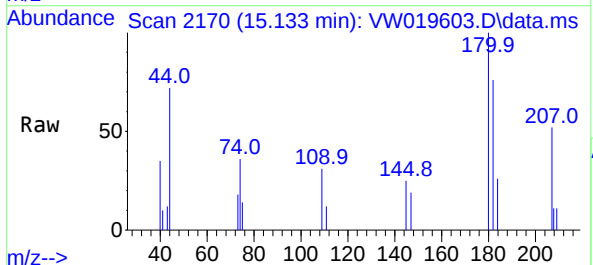
Instrument :
MSVOA_W
ClientSampled :
BGET4

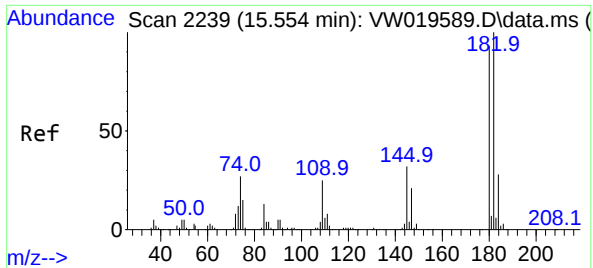
Tgt Ion:	146	Resp:	519
Ion	Ratio	Lower	Upper
146	100		
111	41.0	33.2	49.8
148	39.9	50.4	75.6#



#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#





#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

Instrument :
 MSVOA_W
 ClientSampleId :
 BGET4

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

