

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042121\
 Data File : VW018719.D
 Acq On : 21 Apr 2021 17:57
 Operator : SY/VA
 Sample : M2129-06
 Misc : 4.47G/10ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 01:24:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 22 01:20:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	575519	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	405310	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	119067	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	121259	13.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	55.44%		
7) Chloroethane-d5	2.898	69	110294	14.23	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	56.92%		
11) 1,1-Dichloroethene-d2	4.019	63	159586	10.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	42.04%#		
21) 2-Butanone-d5	7.080	46	72326	36.33	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	72.66%		
24) Chloroform-d	7.653	84	315360	19.97	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	79.88%		
26) 1,2-Dichloroethane-d4	8.305	65	171532	19.32	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	77.28%		
32) Benzene-d6	8.275	84	537621	22.61	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	90.44%		
36) 1,2-Dichloropropane-d6	9.275	67	185469	25.88	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	103.52%		
41) Toluene-d8	10.323	98	422597	19.43	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	77.72%		
43) trans-1,3-Dichloroprop...	10.579	79	61578	20.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	80.76%		
47) 2-Hexanone-d5	10.927	63	63153	50.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.38%		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	136206	22.76	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.04%		
66) 1,2-Dichlorobenzene-d4	13.853	152	94581	22.61	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.44%		
Target Compounds					Qvalue	
13) Acetone	4.135	43	27486	19.02	ug/L	86
14) Carbon disulfide	4.391	76	14926	0.66	ug/L	99
16) Methylene chloride	4.922	84	84554	8.96	ug/L	95
29) Cyclohexane	7.958	56	82342	8.25	ug/L	98
33) Benzene	8.323	78	233859	9.19	ug/L	100
35) Methylcyclohexane	9.336	83	11047	0.97	ug/L	94
39) cis-1,3-Dichloropropene	10.037	75	4890	0.51	ug/L #	62
42) Toluene	10.390	91	25265	0.92	ug/L	96
45) 1,1,2-Trichloroethane	10.756	97	15012	3.14	ug/L #	21
51) Chlorobenzene	11.658	112	196014	11.65	ug/L	96
52) Ethylbenzene	11.731	91	20841	0.69	ug/L	94
53) m,p-Xylene	11.847	106	47516	4.29	ug/L	97
54) o-Xylene	12.164	106	25057	2.36	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.689	83	4777	0.80	ug/L #	70
60) Isopropylbenzene	12.463	105	1331600	76.04	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	15214	1.05	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	160471	11.09	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	3771	0.51	ug/L #	50
65) 1,4-Dichlorobenzene	13.579	146	341814	45.53	ug/L	92

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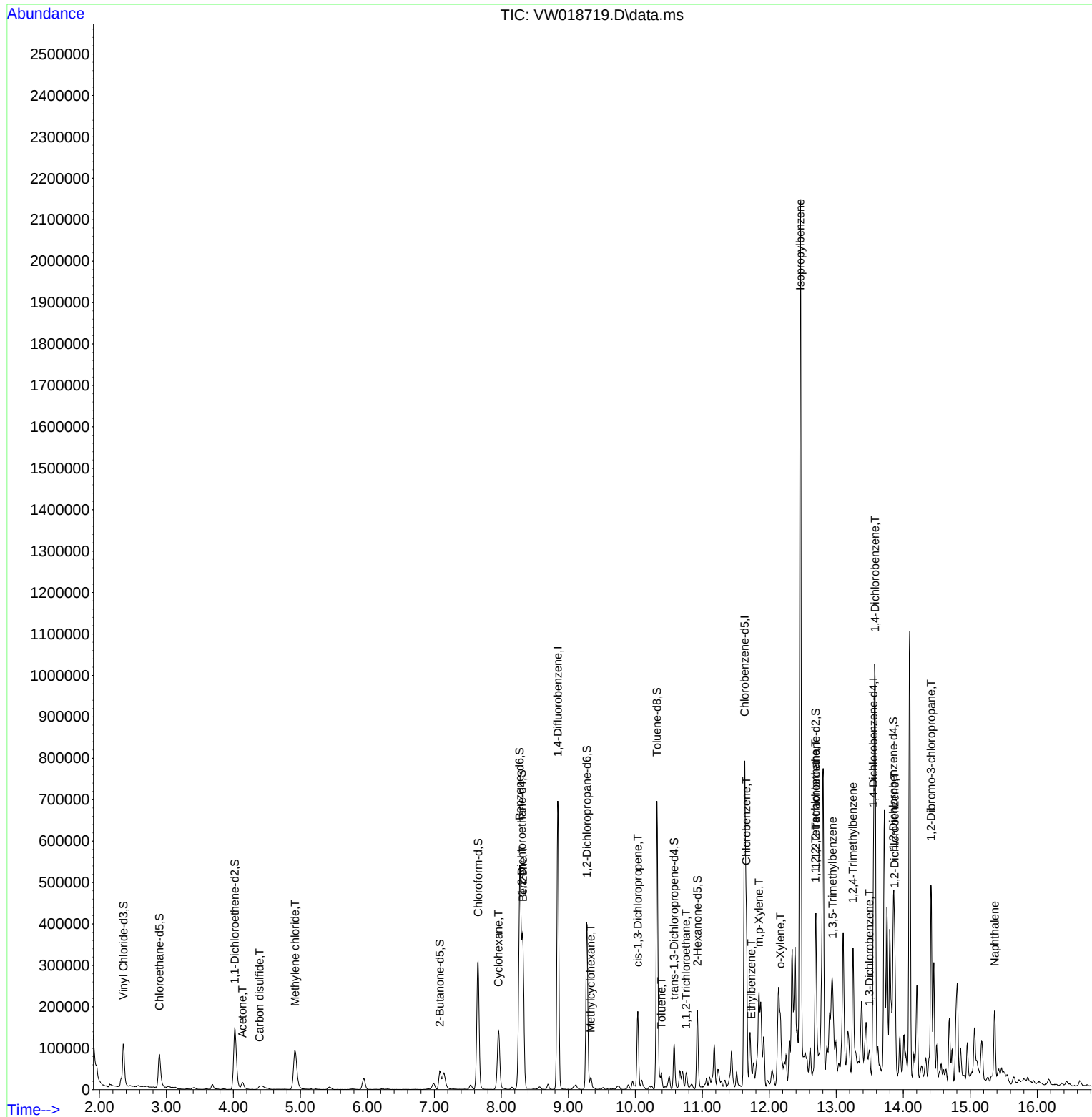
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.871	146	57029	8.35	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.414	75	3694	6.53	ug/L #	8
71) Naphthalene	15.365	128	144077	15.86	ug/L	99

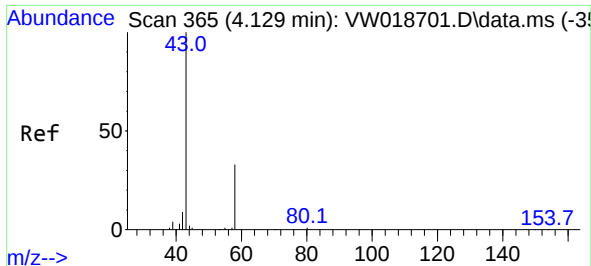
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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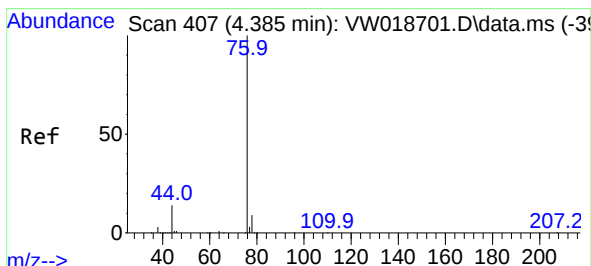
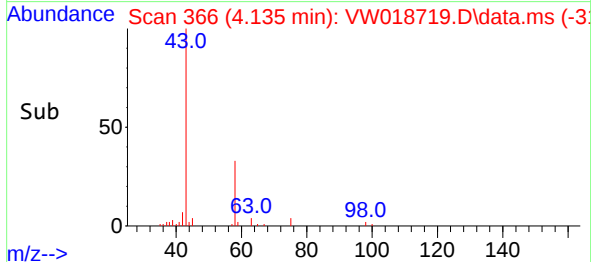
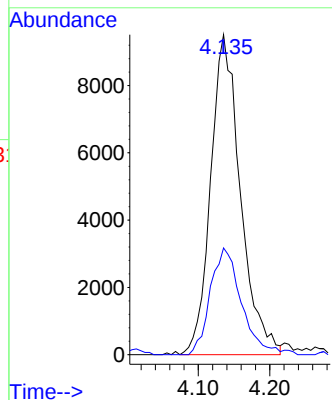
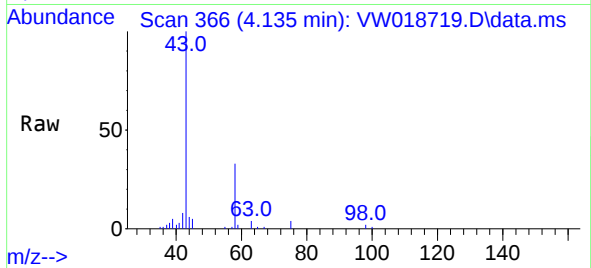




#13
Acetone
Concen: 19.02 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

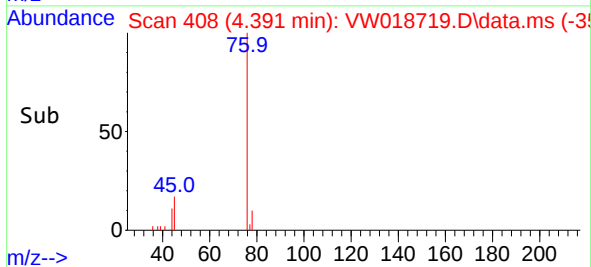
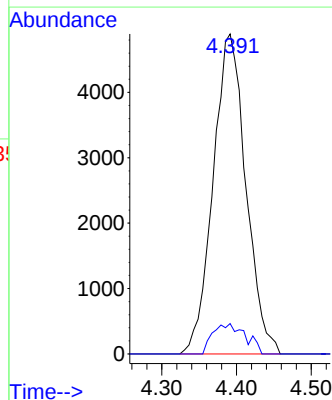
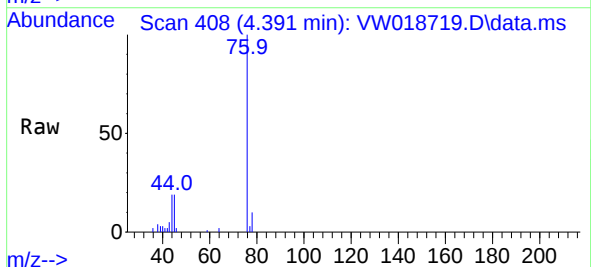
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MSVOA_W
ClientSampleId :

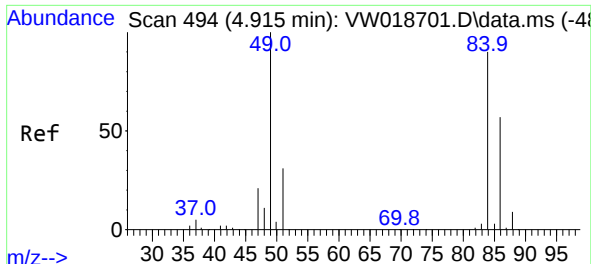
Tgt Ion: 43 Resp: 27486
Ion Ratio Lower Upper
43 100
58 34.2 0.0 53.8



#14
Carbon disulfide
Concen: 0.66 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

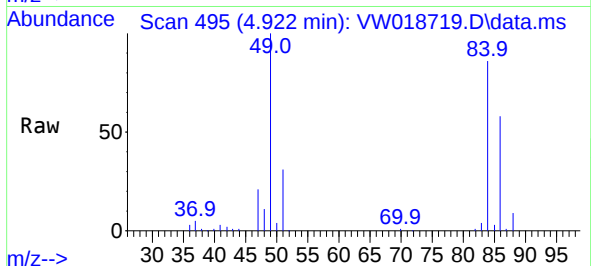
Tgt Ion: 76 Resp: 14926
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



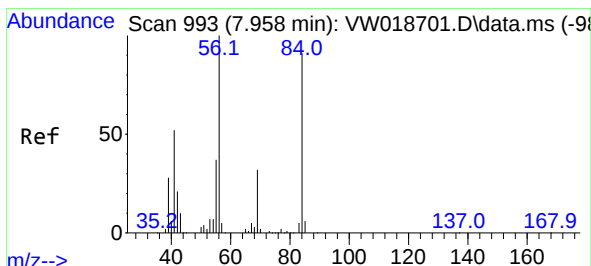
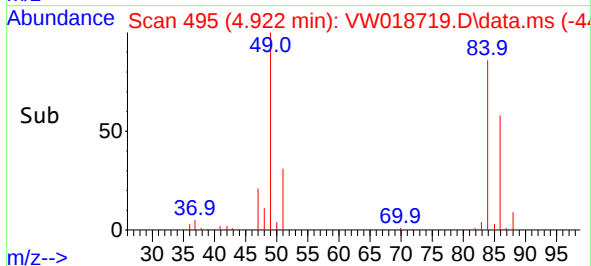
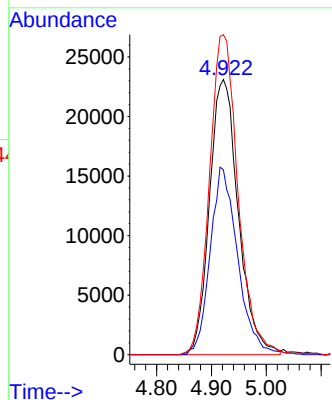


#16
Methylene chloride
Concen: 8.96 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Instrument :
MSVOA_W
ClientSampled :

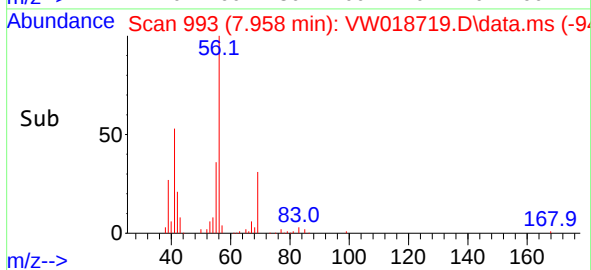
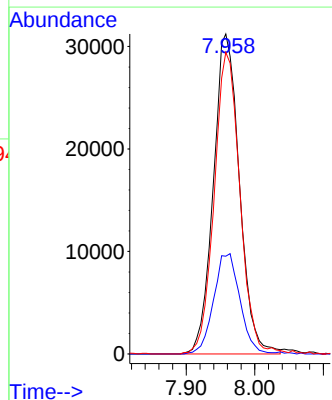
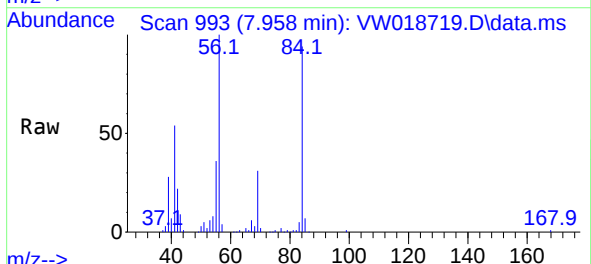


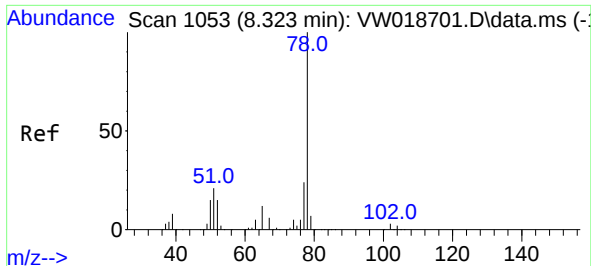
Tgt Ion: 84 Resp: 84554
Ion Ratio Lower Upper
84 100
86 67.2 45.3 84.1
49 116.3 86.6 160.8



#29
Cyclohexane
Concen: 8.25 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion: 56 Resp: 82342
Ion Ratio Lower Upper
56 100
69 31.6 24.5 36.7
84 92.0 75.0 112.4

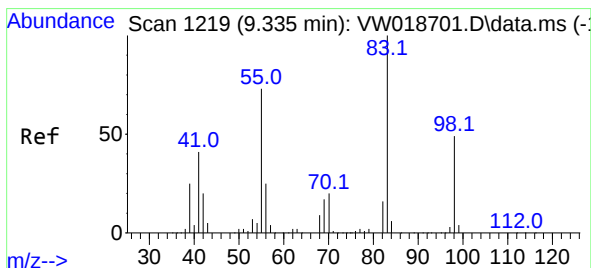
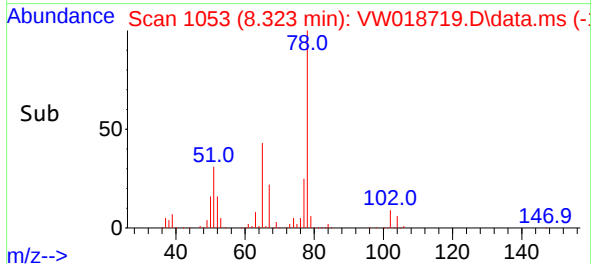
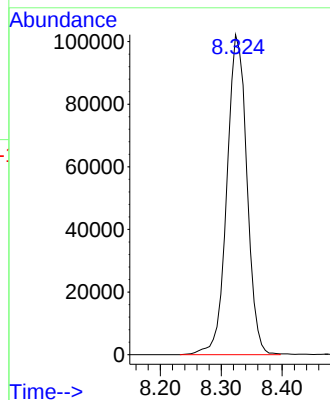
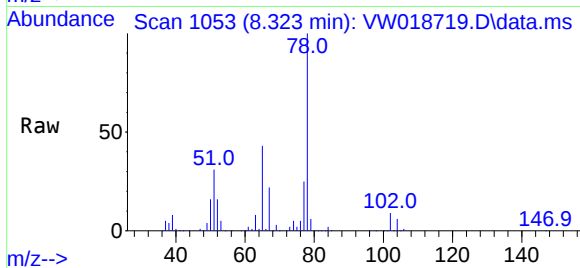




#33
Benzene
Concen: 9.19 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Instrument :
MSVOA_W
ClientSampled :

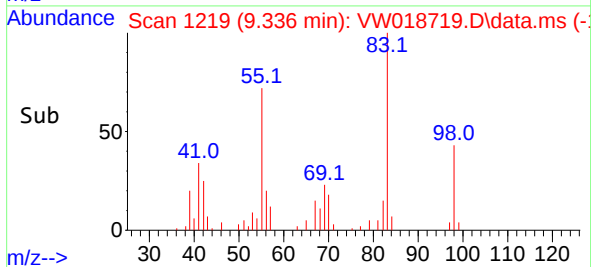
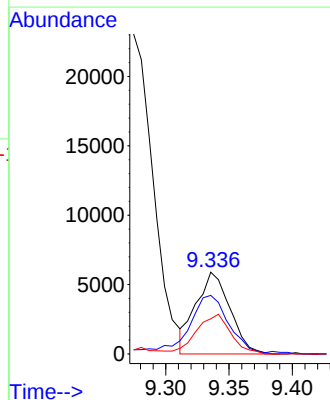
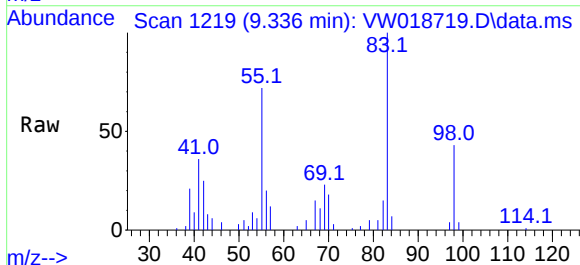
Tgt Ion: 78 Resp: 233859

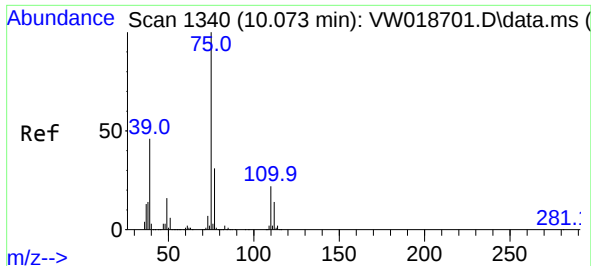


#35
Methylcyclohexane
Concen: 0.97 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion: 83 Resp: 11047

Ion	Ratio	Lower	Upper
83	100		
55	81.1	58.9	88.3
98	49.1	40.1	60.1

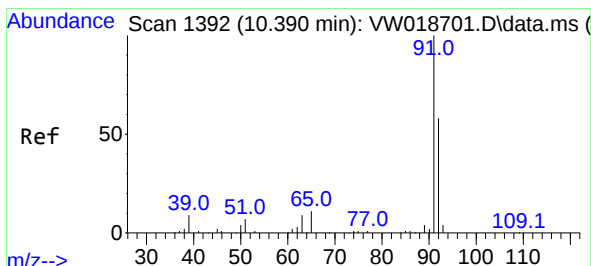
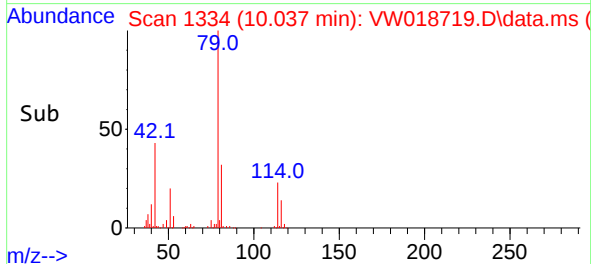
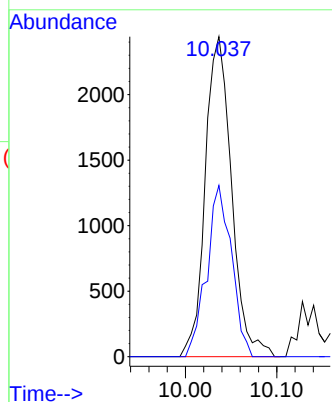
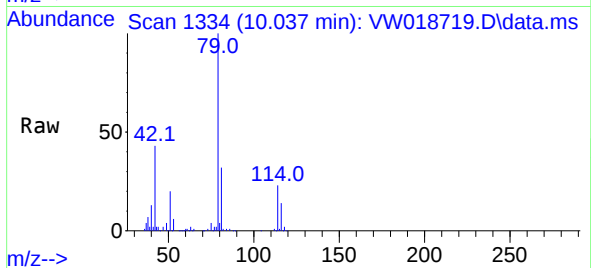




#39
cis-1,3-Dichloropropene
Concen: 0.51 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

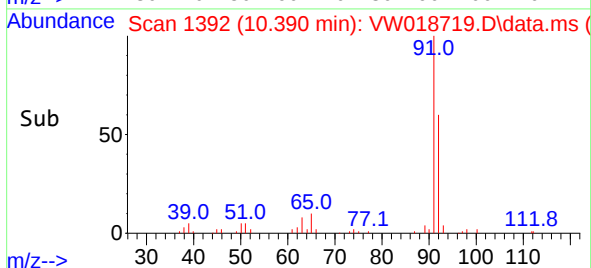
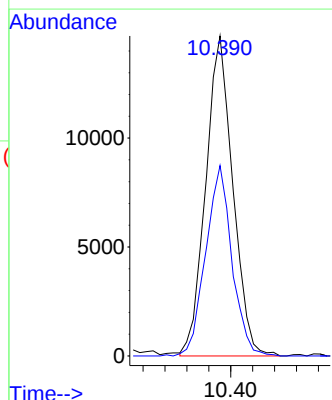
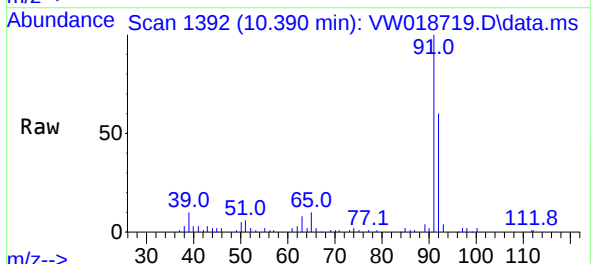
Instrument :
MSVOA_W
ClientSampled :

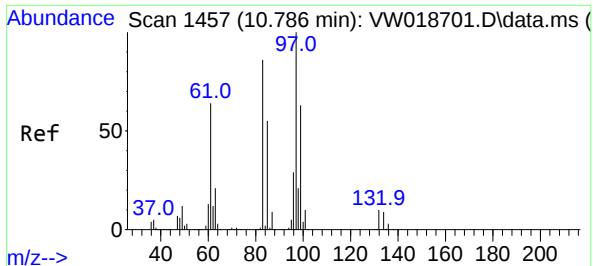
Tgt Ion: 75 Resp: 4890
Ion Ratio Lower Upper
75 100
77 53.5 22.6 42.0#



#42
Toluene
Concen: 0.92 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion: 91 Resp: 25265
Ion Ratio Lower Upper
91 100
92 59.5 39.5 73.3

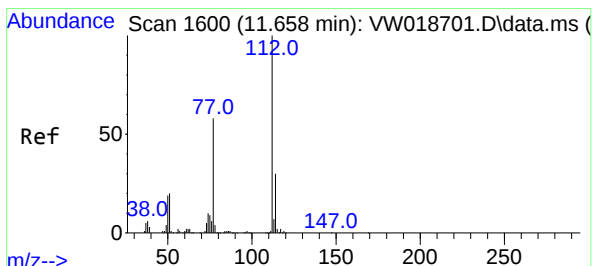
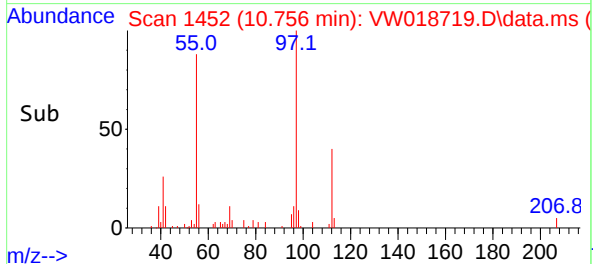
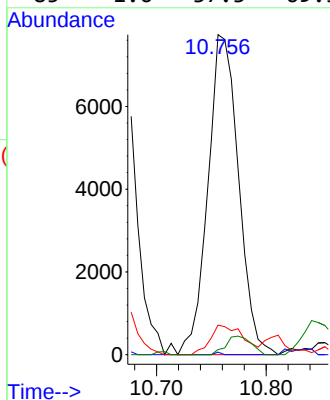
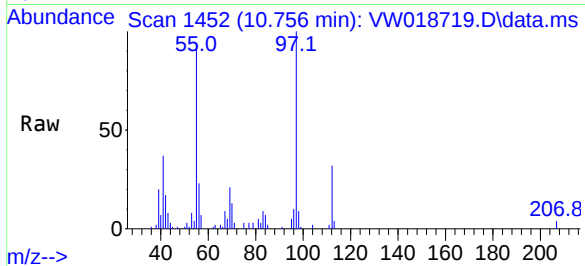




#45
1,1,2-Trichloroethane
Concen: 3.14 ug/L
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

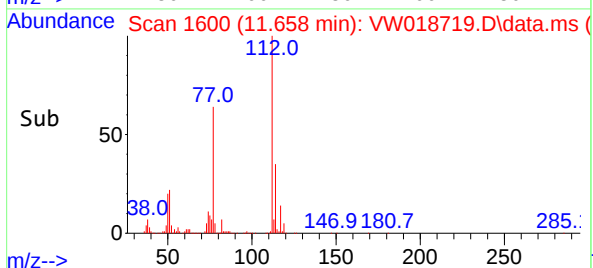
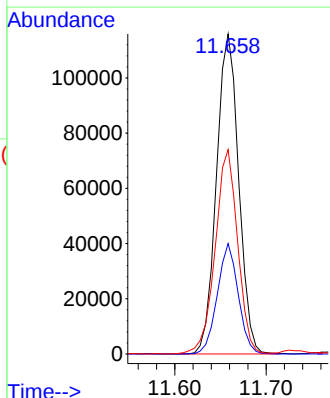
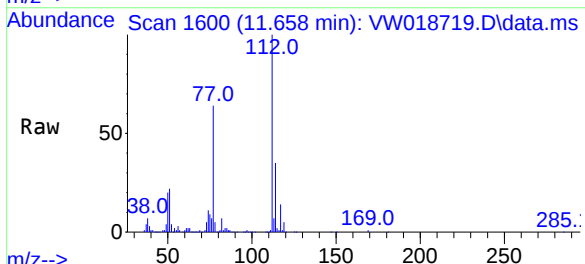
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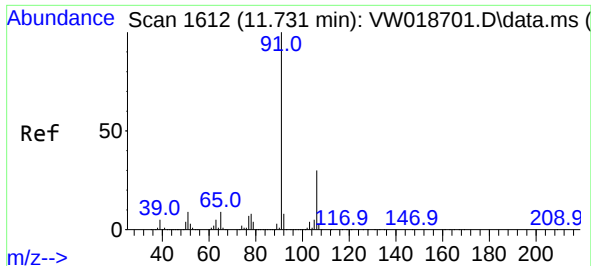
Tgt Ion:	97	Resp:	15012
Ion	Ratio	Lower	Upper
97	100		
99	0.8	45.1	83.7#
83	9.2	58.1	107.9#
85	1.6	37.3	69.3#



#51
Chlorobenzene
Concen: 11.65 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion:	112	Resp:	196014
Ion	Ratio	Lower	Upper
112	100		
114	34.5	23.4	43.6
77	63.8	47.6	71.4

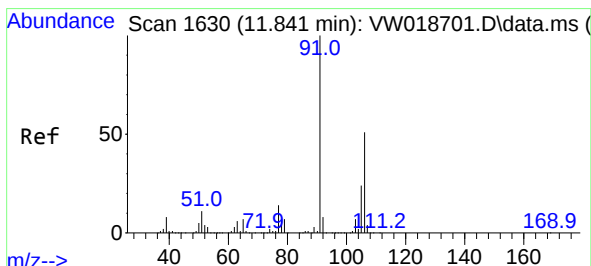
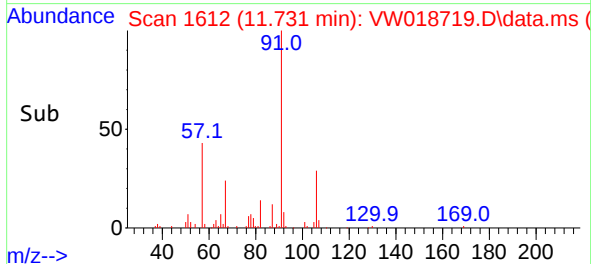
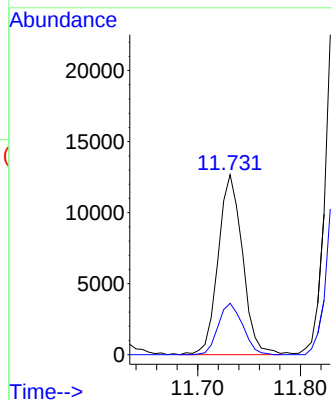
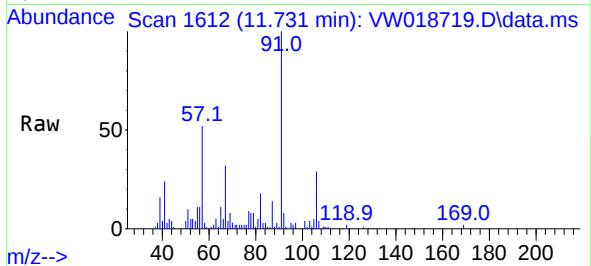




#52
Ethylbenzene
Concen: 0.69 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

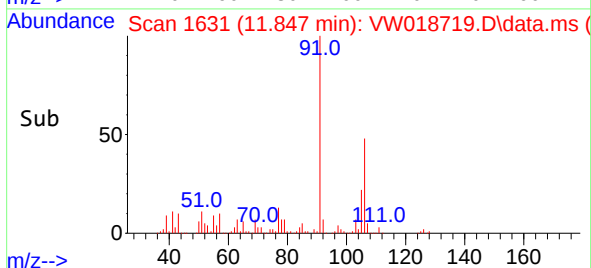
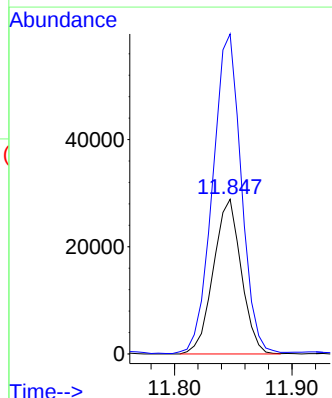
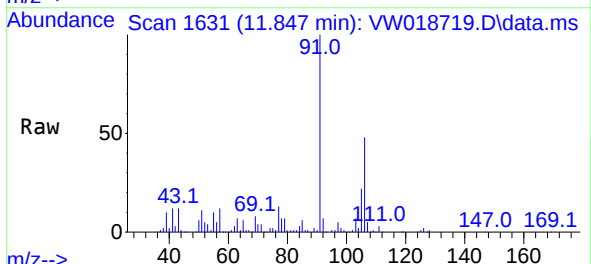
Instrument :
MSVOA_W
ClientSampled :

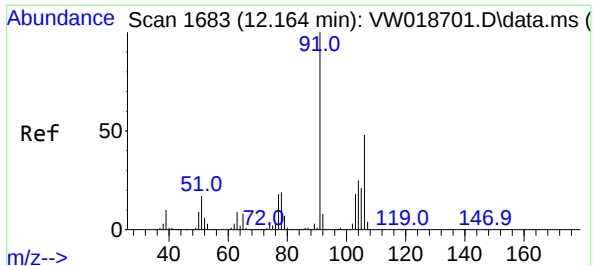
Tgt Ion: 91 Resp: 20841
Ion Ratio Lower Upper
91 100
106 28.6 22.5 41.7



#53
m,p-Xylene
Concen: 4.29 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion:106 Resp: 47516
Ion Ratio Lower Upper
106 100
91 206.8 141.3 262.3

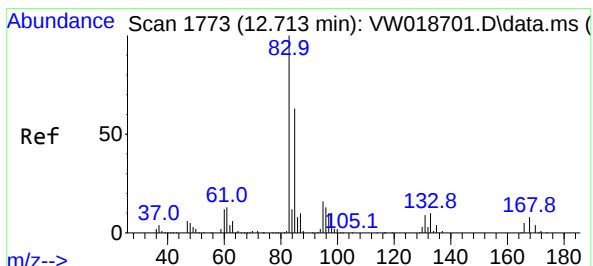
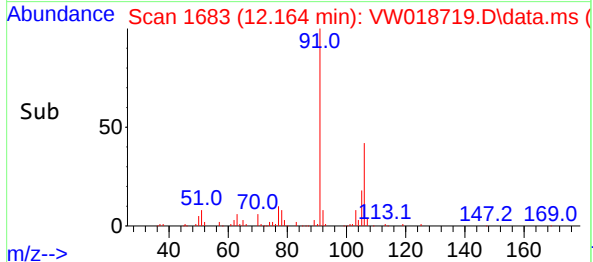
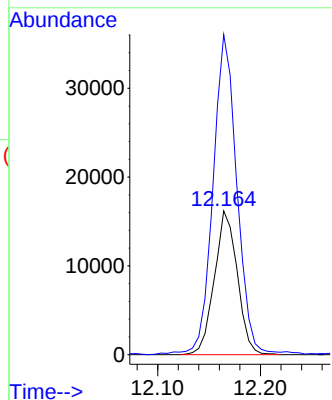
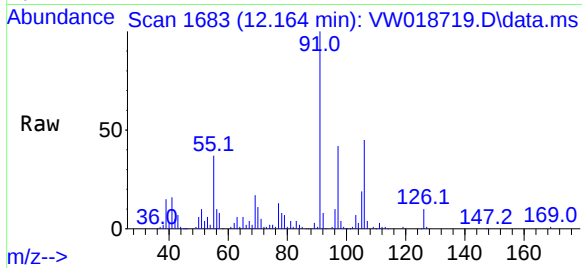




#54
o-Xylene
Concen: 2.36 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

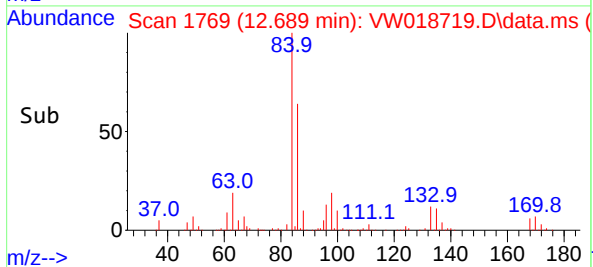
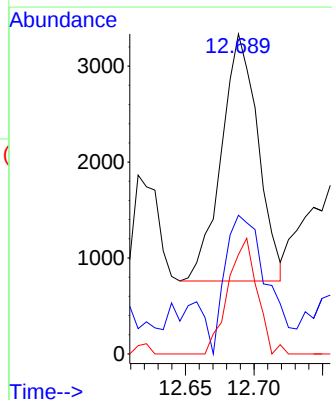
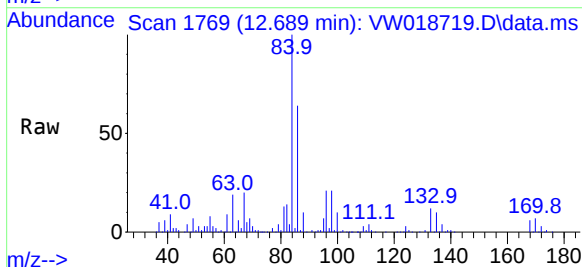
Instrument :
MSVOA_W
ClientSampleId :

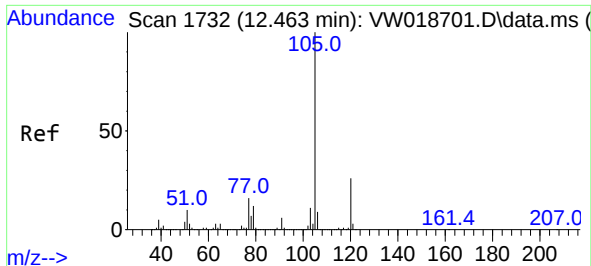
Tgt Ion:106 Resp: 25057
Ion Ratio Lower Upper
106 100
91 222.6 150.0 278.6



#57
1,1,2,2-Tetrachloroethane
Concen: 0.80 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

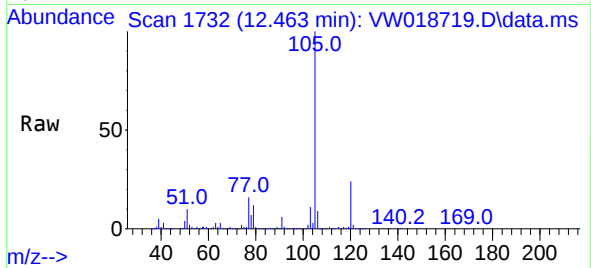
Tgt Ion: 83 Resp: 4777
Ion Ratio Lower Upper
83 100
85 43.4 44.4 82.4#
131 31.0 8.2 12.4#



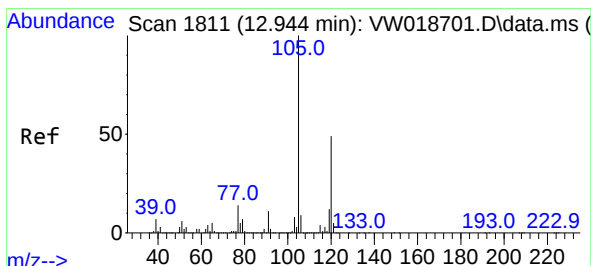
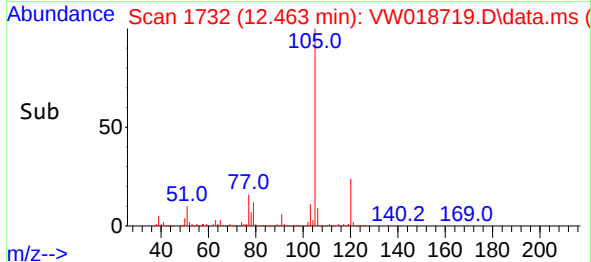
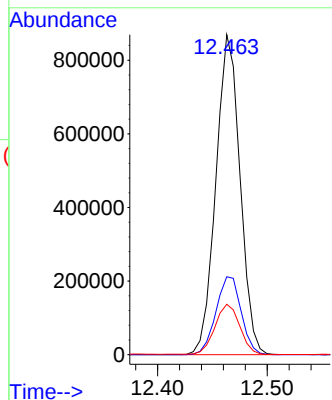


#60
Isopropylbenzene
Concen: 76.04 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

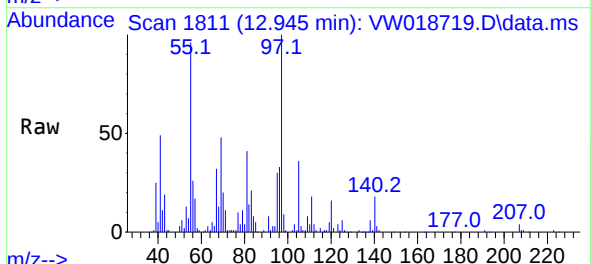
Instrument :
MSVOA_W
ClientSampleId :



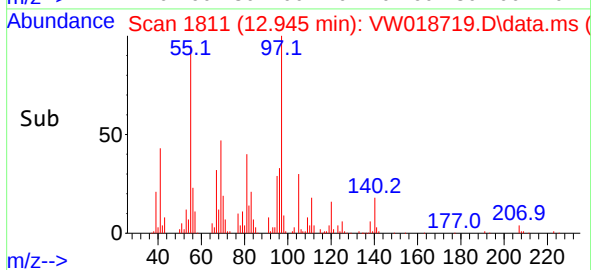
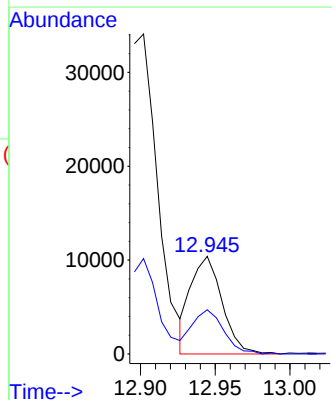
Tgt Ion:105 Resp: 1331600
Ion Ratio Lower Upper
105 100
120 25.4 21.1 31.7
77 16.1 13.2 19.8

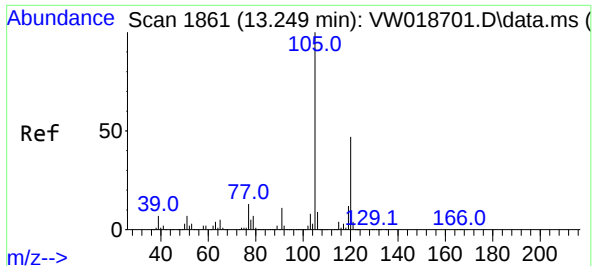


#62
1,3,5-Trimethylbenzene
Concen: 1.05 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57



Tgt Ion:105 Resp: 15214
Ion Ratio Lower Upper
105 100
120 45.4 39.0 58.6

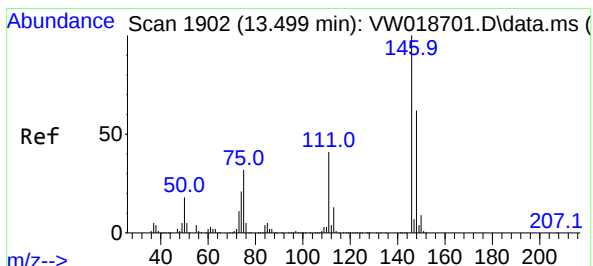
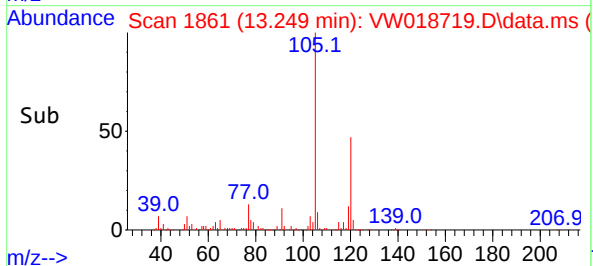
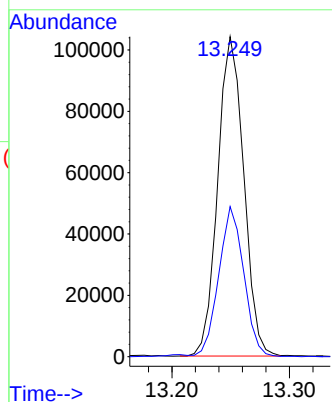
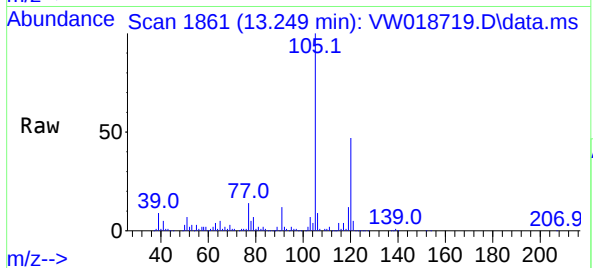




#63
1,2,4-Trimethylbenzene
Concen: 11.09 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

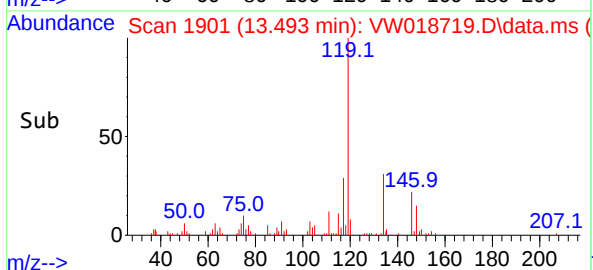
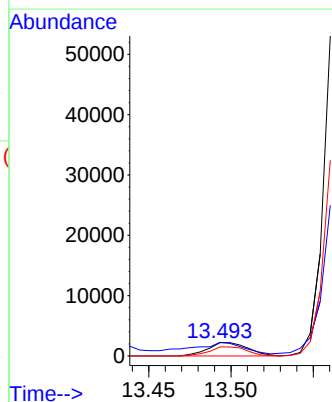
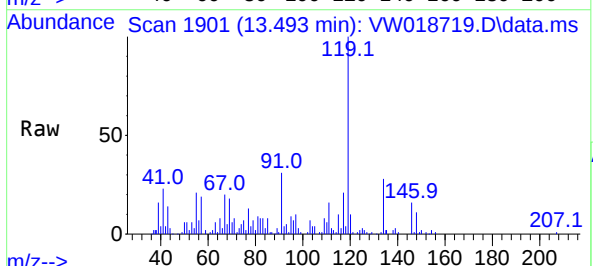
Instrument :
MSVOA_W
ClientSampled :

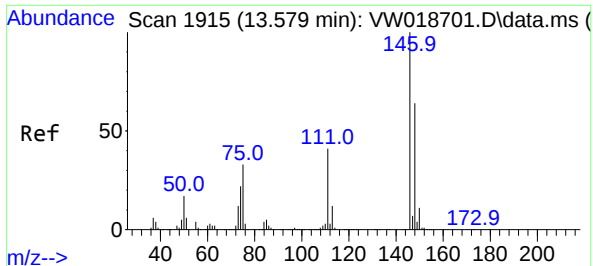
Tgt Ion:105 Resp: 160471
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.51 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion:146 Resp: 3771
Ion Ratio Lower Upper
146 100
111 102.0 26.7 49.7#
148 68.8 41.1 76.3

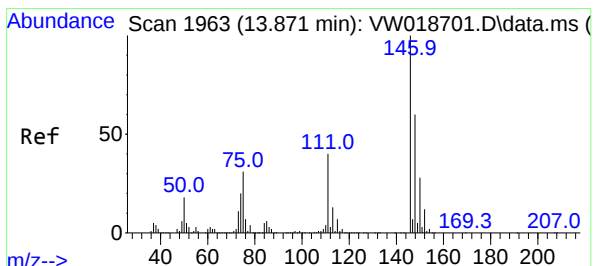
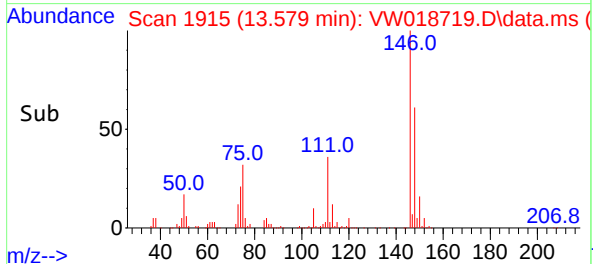
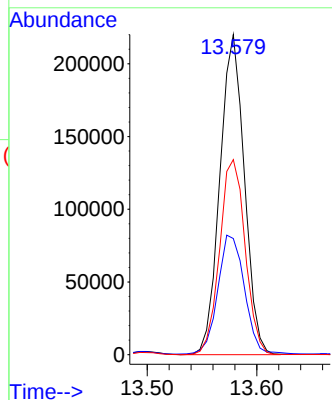
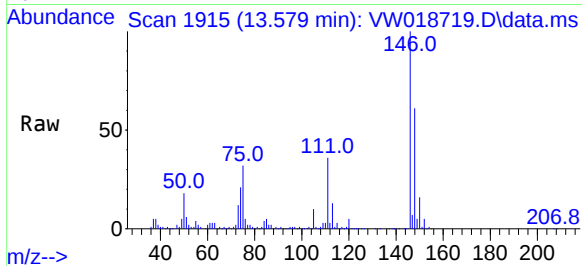




#65
1,4-Dichlorobenzene
Concen: 45.53 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

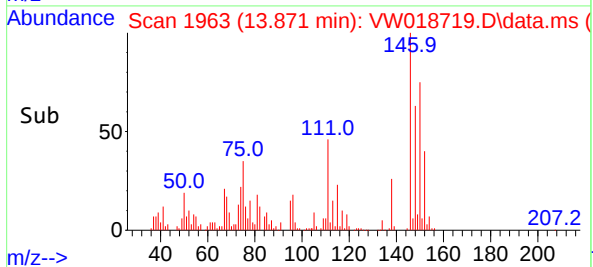
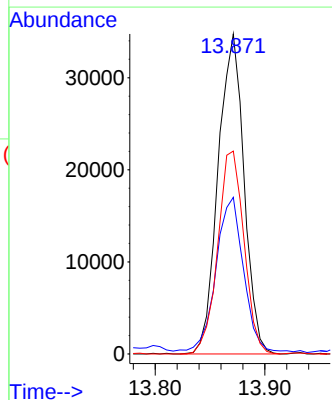
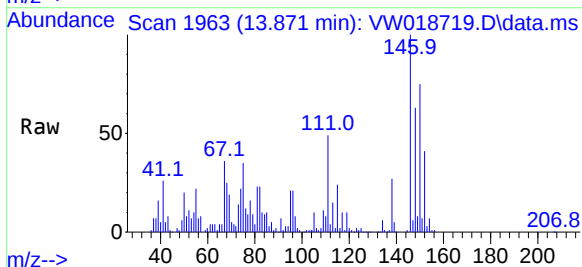
Instrument :
MSVOA_W
ClientSampleId :

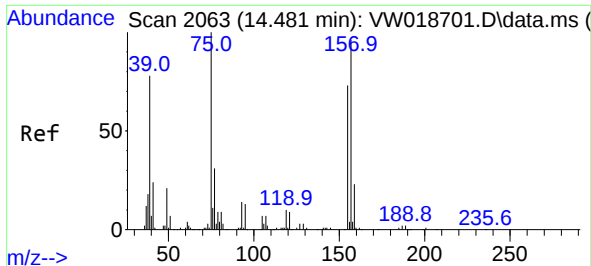
Tgt Ion:146 Resp: 341814
Ion Ratio Lower Upper
146 100
111 36.3 28.8 53.4
148 61.0 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 8.35 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion:146 Resp: 57029
Ion Ratio Lower Upper
146 100
111 49.0 33.2 49.8
148 63.4 50.4 75.6

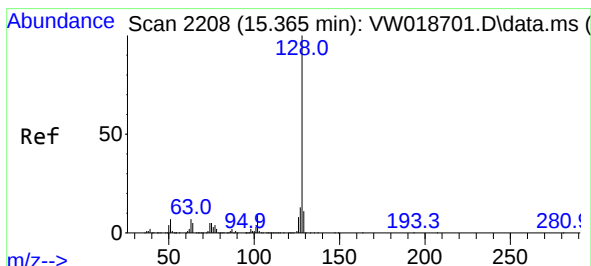
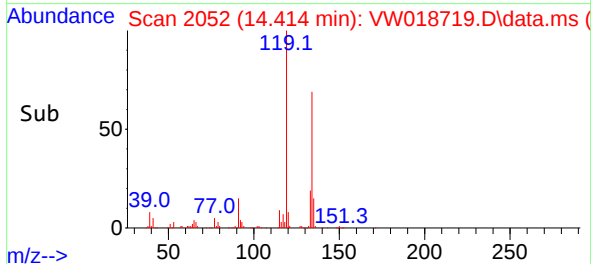
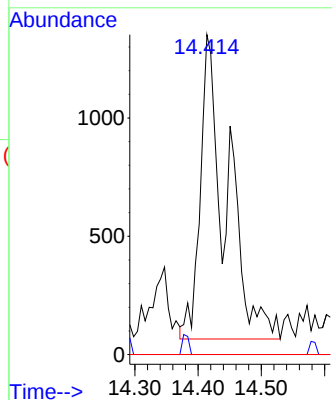
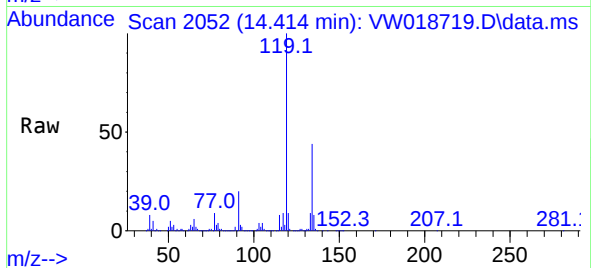




#68
1,2-Dibromo-3-chloropropane
Concen: 6.53 ug/L
RT: 14.414 min Scan# 2052
Delta R.T. -0.067 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 3694
Ion Ratio Lower Upper
75 100
155 0.0 59.4 89.0#
157 0.0 72.2 108.2#



#71
Naphthalene
Concen: 15.86 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018719.D
Acq: 21 Apr 2021 17:57

Tgt Ion:128 Resp: 144077
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.4 9.0 13.6

