

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020352.D
 Acq On : 07 Oct 2021 07:27
 Operator : SY/VA
 Sample : M4000-15
 Misc : 7.39g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 07:55:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	341191	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	285902	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	124905	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	101926	21.676	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.720%
7) Chloroethane-d5	2.885	69	49625	24.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.440%
11) 1,1-Dichloroethene-d2	4.019	63	140911	14.552	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.200%
21) 2-Butanone-d5	7.080	46	50404	42.195	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.400%
24) Chloroform-d	7.653	84	197048	20.113	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.440%
26) 1,2-Dichloroethane-d4	8.305	65	108266	20.193	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.760%
32) Benzene-d6	8.275	84	401863	23.215	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.880%
36) 1,2-Dichloropropane-d6	9.274	67	133813	24.371	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.480%
41) Toluene-d8	10.323	98	357817	22.822	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.280%
43) trans-1,3-Dichloroprop...	10.579	79	47977	21.475	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.920%
47) 2-Hexanone-d5	10.927	63	40173	52.937	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.880%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	78632	20.519	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.080%
66) 1,2-Dichlorobenzene-d4	13.853	152	93517	21.381	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.520%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	25177	4.050	ug/L #	78
13) Acetone	4.129	43	18201	14.821	ug/L	97
14) Carbon disulfide	4.385	76	105606	6.766	ug/L	99
16) Methylene chloride	4.915	84	19403	3.185	ug/L	93
17) trans-1,2-Dichloroethene	5.434	96	2532	0.509	ug/L	86
20) cis-1,2-Dichloroethene	7.171	96	54862	10.794	ug/L	98
22) 2-Butanone	7.183	43	5245	3.474	ug/L	84
29) Cyclohexane	7.958	56	8880	1.045	ug/L	98
34) Trichloroethene	9.091	95	6588	1.347	ug/L #	83
35) Methylcyclohexane	9.280	83	29500	3.458	ug/L #	1
38) Bromodichloromethane	9.683	83	2201	0.365	ug/L #	26
39) cis-1,3-Dichloropropene	10.036	75	3361	0.480	ug/L #	41
42) Toluene	10.390	91	6805	0.340	ug/L	96
45) 1,1,2-Trichloroethane	10.762	97	58799	18.764	ug/L #	26
48) 2-Hexanone	10.939	43	1064232	539.146	ug/L #	29
57) 1,1,2,2-Tetrachloroethane	12.688	83	26758	7.182	ug/L #	64
60) Isopropylbenzene	12.469	105	11834	0.638	ug/L #	19
68) 1,2-Dibromo-3-chloropr...	14.206	75	3313	6.305	ug/L #	17
71) Naphthalene	15.322	128	4836	0.642	ug/L #	1

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ClientSampleId :

Quant Time: Oct 07 07:55:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 05:04:04 2021
Response via : Initial Calibration

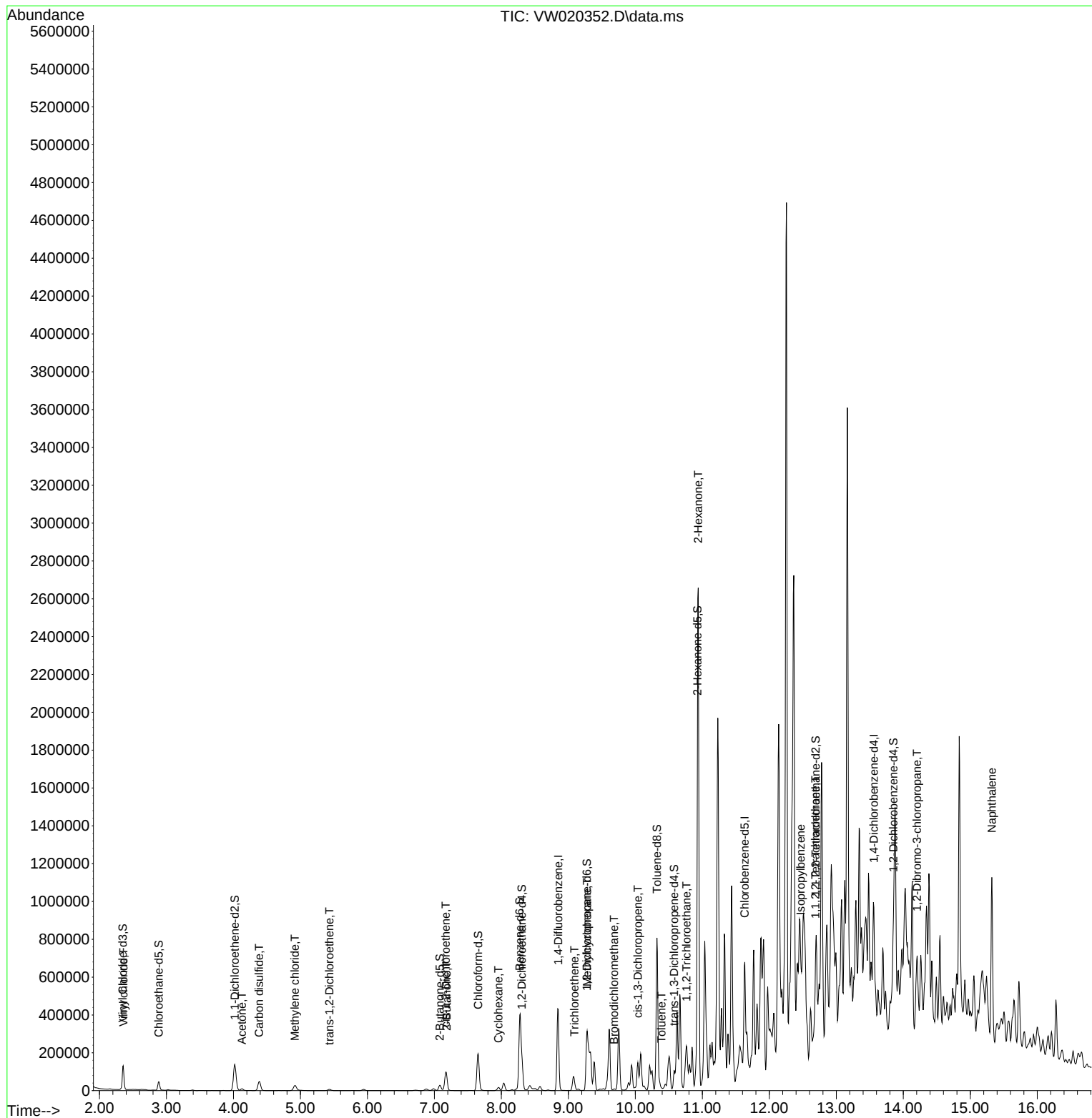
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

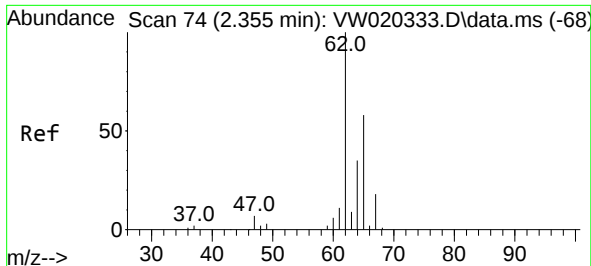
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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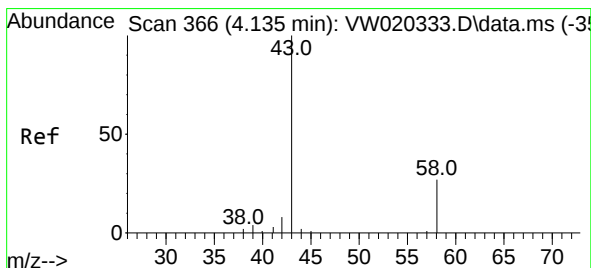
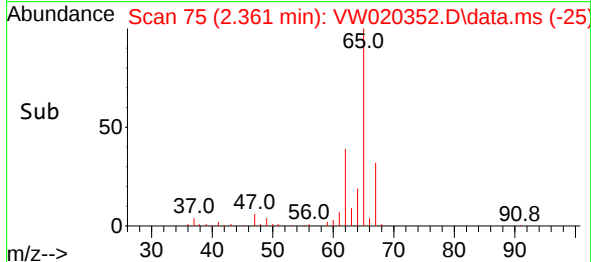
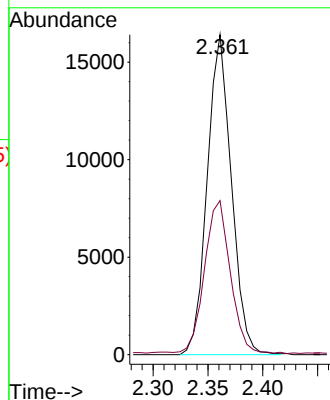
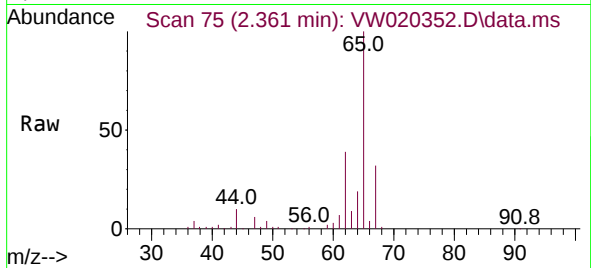




#5
 Vinyl chloride
 Concen: 4.050 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW020352.D
 Acq: 07 Oct 2021 07:27

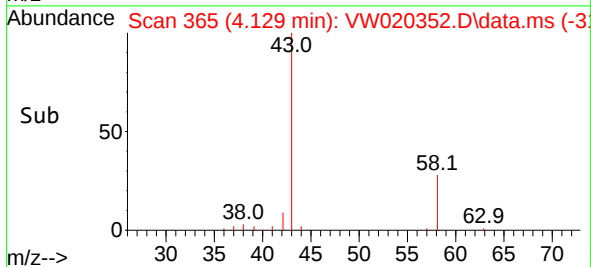
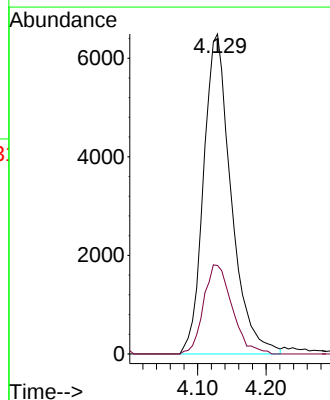
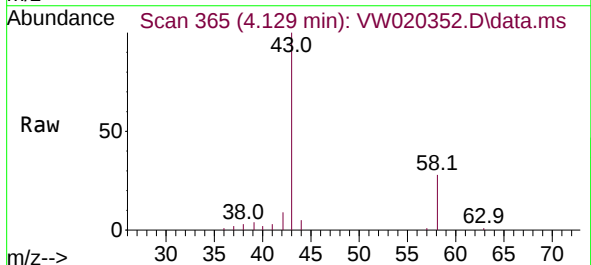
Instrument :
 MSVOA_W
 ClientSampled :

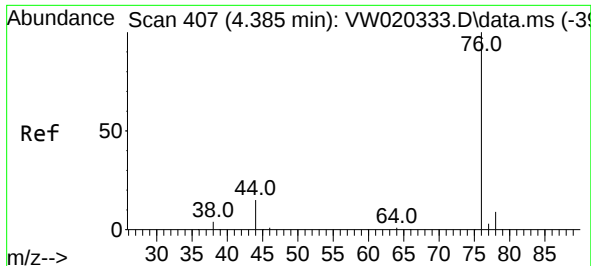
Tgt Ion: 62 Resp: 25177
 Ion Ratio Lower Upper
 62 100
 64 48.2 24.6 45.6#



#13
 Acetone
 Concen: 14.821 ug/L
 RT: 4.129 min Scan# 365
 Delta R.T. -0.006 min
 Lab File: VW020352.D
 Acq: 07 Oct 2021 07:27

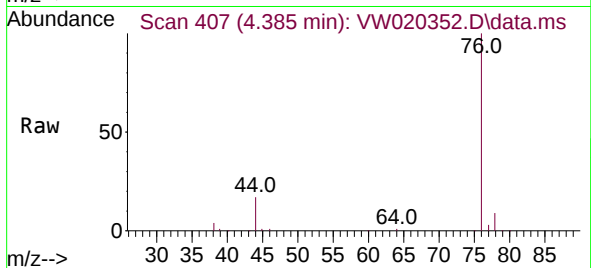
Tgt Ion: 43 Resp: 18201
 Ion Ratio Lower Upper
 43 100
 58 27.8 0.0 58.4



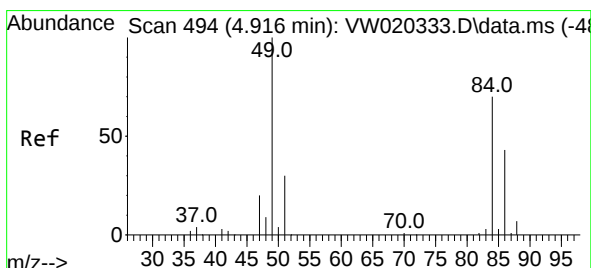
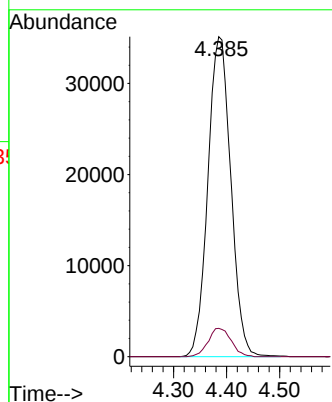
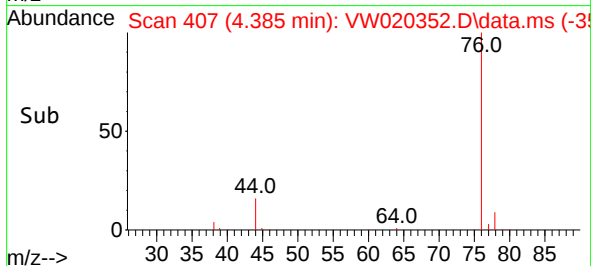


#14
Carbon disulfide
Concen: 6.766 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

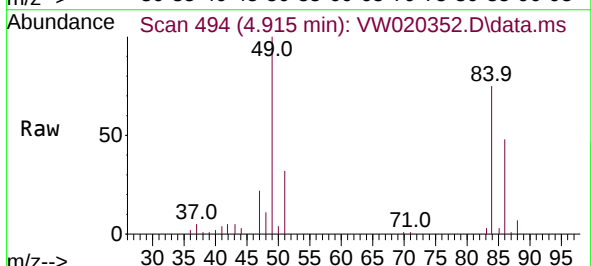
Instrument :
MSVOA_W
ClientSampled :



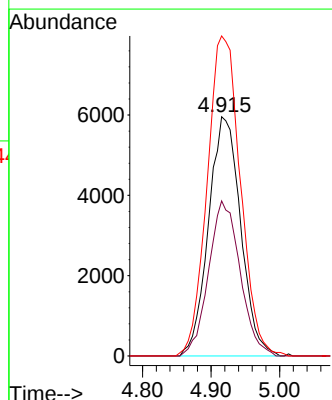
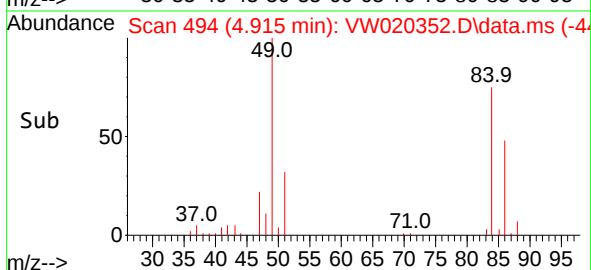
Tgt Ion: 76 Resp: 105606
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

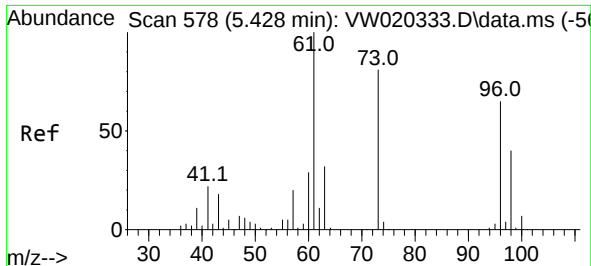


#16
Methylene chloride
Concen: 3.185 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27



Tgt Ion: 84 Resp: 19403
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 133.8 101.7 188.9

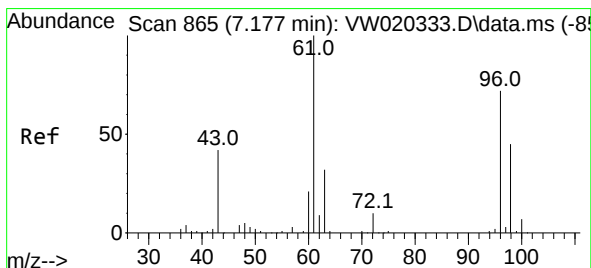
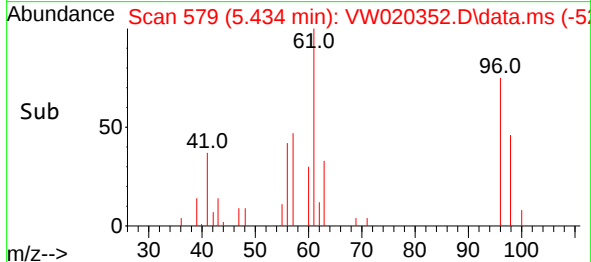
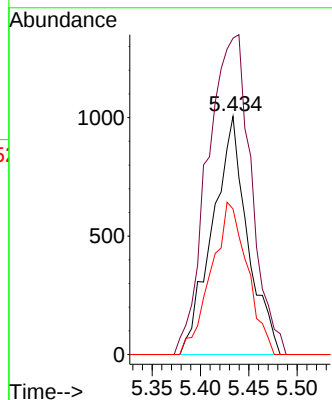
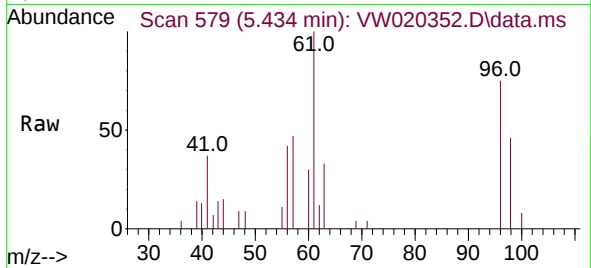




#17
trans-1,2-Dichloroethene
Concen: 0.509 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

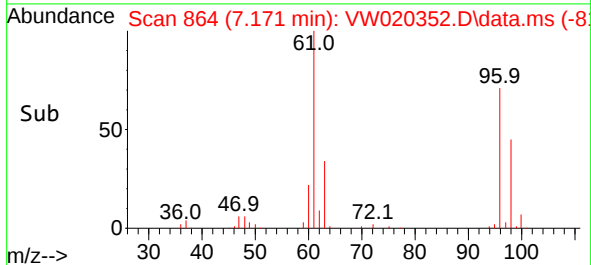
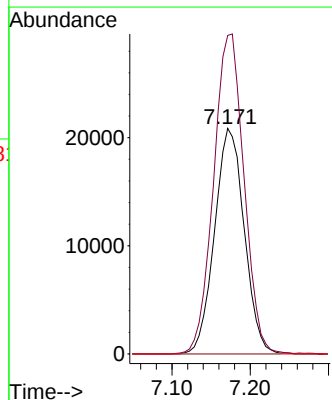
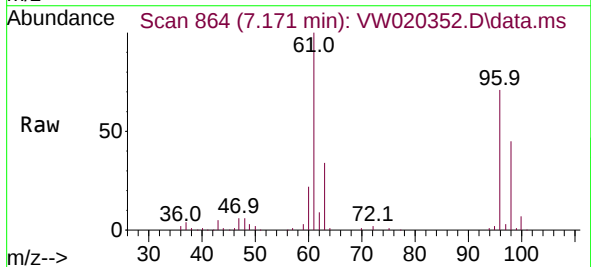
Instrument :
MSVOA_W
ClientSampled :

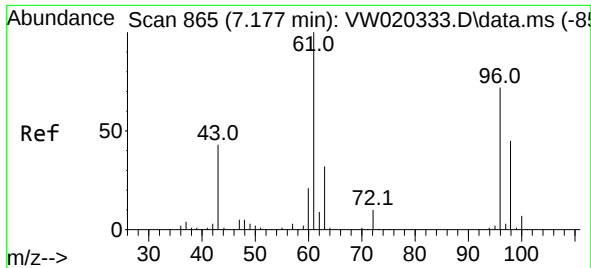
Tgt Ion: 96 Resp: 2532
Ion Ratio Lower Upper
96 100
61 132.8 110.7 205.5
98 61.2 43.9 81.5



#20
cis-1,2-Dichloroethene
Concen: 10.794 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 96 Resp: 54862
Ion Ratio Lower Upper
96 100
61 141.3 100.3 186.3
68 0.0 0.0 0.0

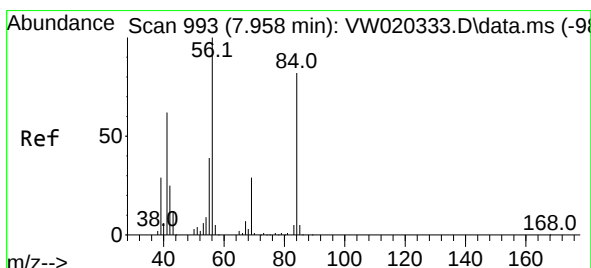
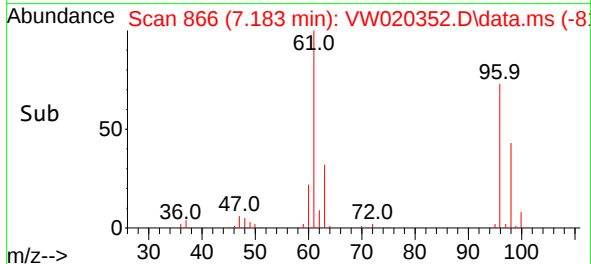
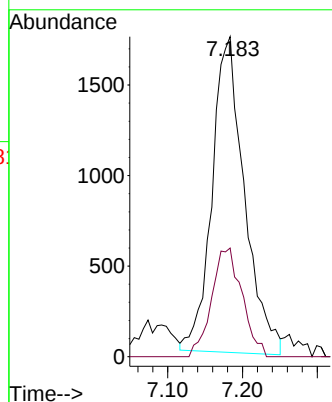
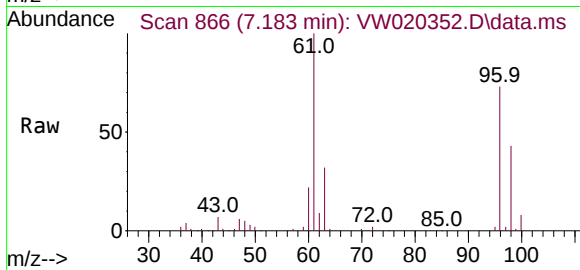




#22
2-Butanone
Concen: 3.474 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

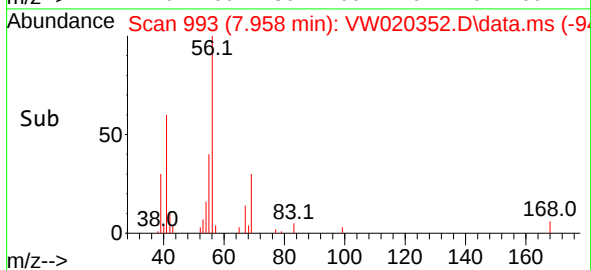
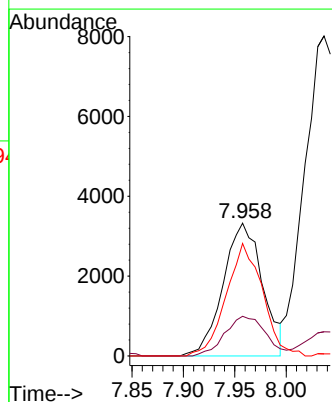
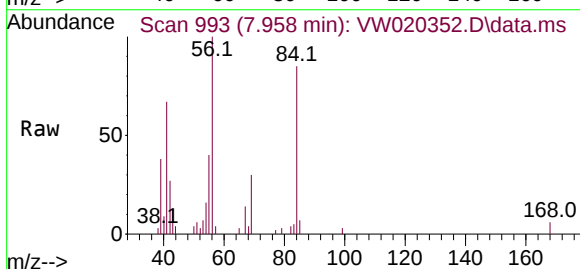
Instrument :
MSVOA_W
ClientSampled :

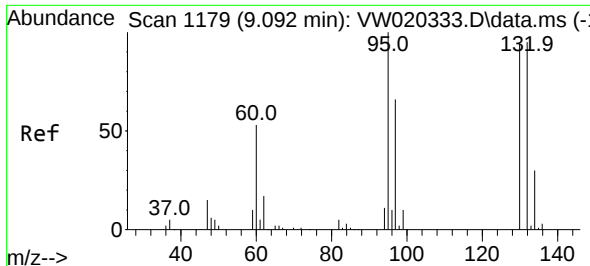
Tgt Ion: 43 Resp: 5245
Ion Ratio Lower Upper
43 100
72 32.4 12.2 36.6



#29
Cyclohexane
Concen: 1.045 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 56 Resp: 8880
Ion Ratio Lower Upper
56 100
69 30.7 23.2 34.8
84 77.9 63.7 95.5



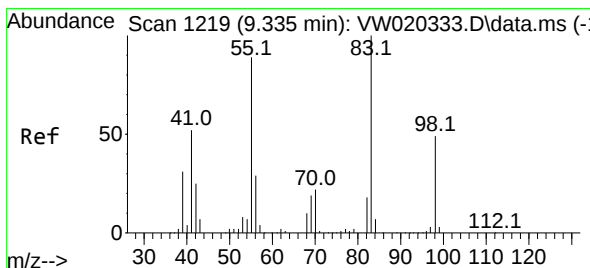
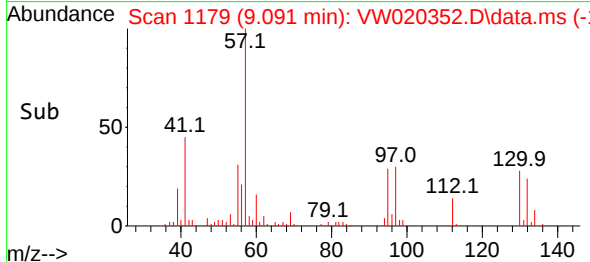
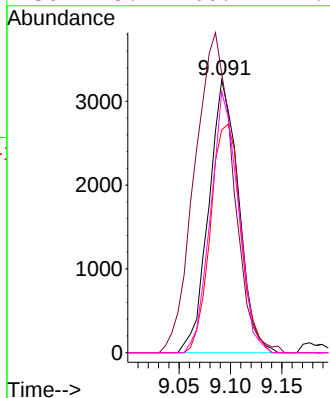
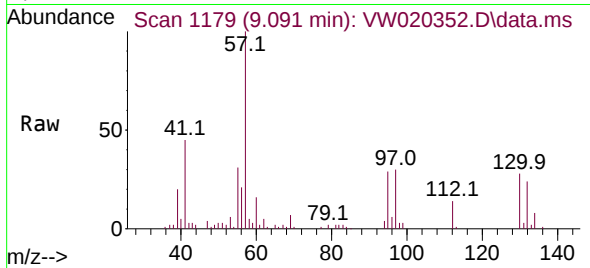


#34
Trichloroethene
Concen: 1.347 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 95 Resp: 6588

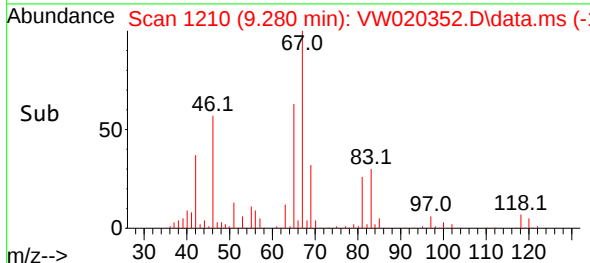
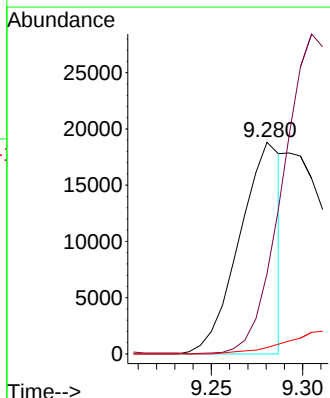
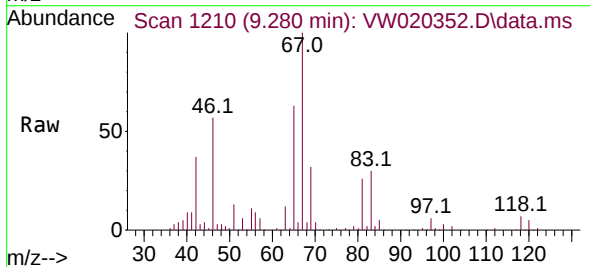
Ion	Ratio	Lower	Upper
95	100		
97	102.4	43.2	80.2#
132	81.8	62.3	115.7
130	95.7	66.1	122.7

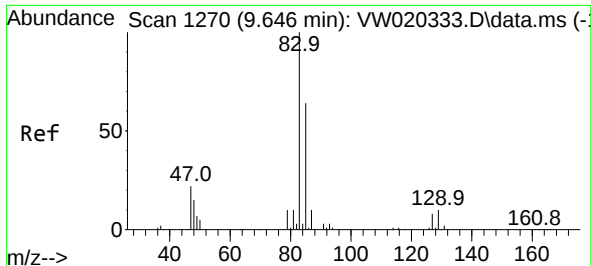


#35
Methylcyclohexane
Concen: 3.458 ug/L
RT: 9.280 min Scan# 1210
Delta R.T. -0.055 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 83 Resp: 29500

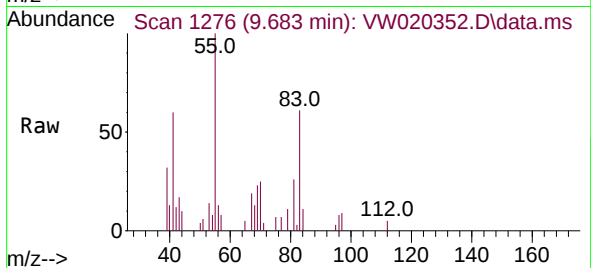
Ion	Ratio	Lower	Upper
83	100		
55	270.6	69.7	104.5#
98	0.0	38.2	57.2#



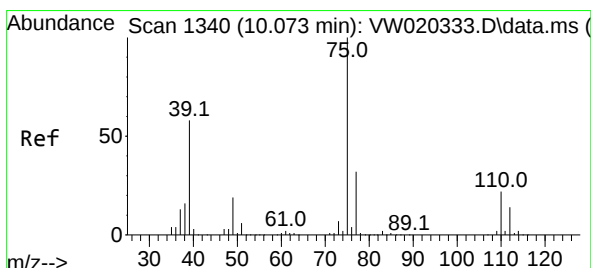
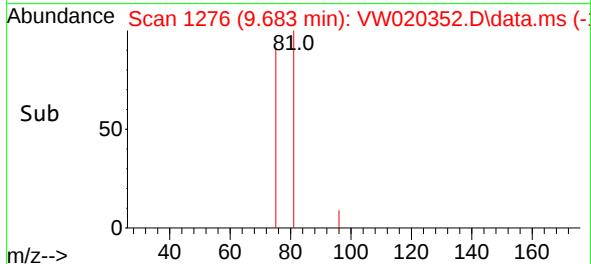
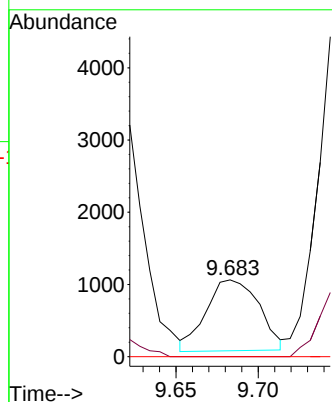


#38
Bromodichloromethane
Concen: 0.365 ug/L
RT: 9.683 min Scan# 1276
Delta R.T. 0.036 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

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ClientSampled :

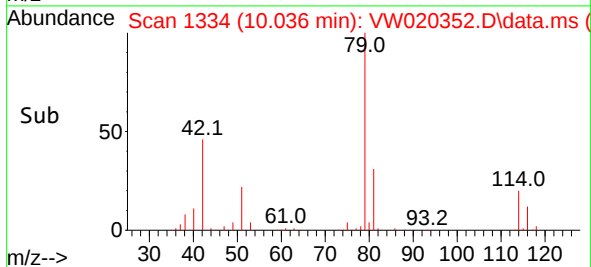
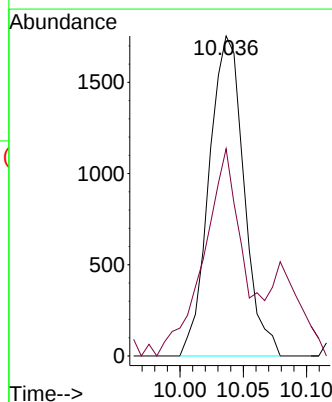
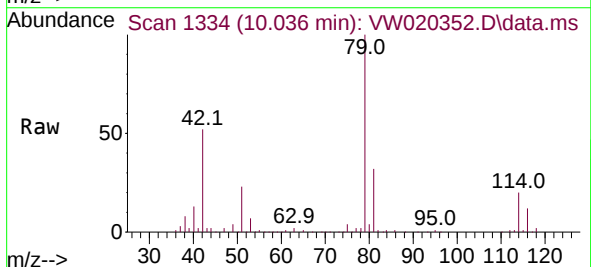


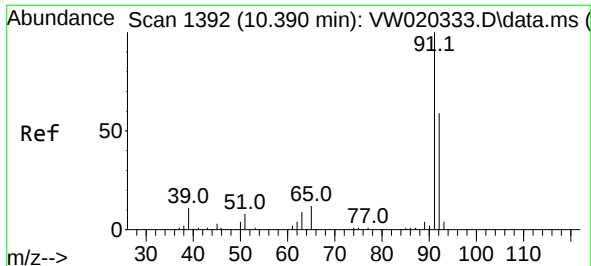
Tgt Ion: 83 Resp: 2201
Ion Ratio Lower Upper
83 100
85 0.0 43.4 80.6#
127 0.0 6.2 9.2#



#39
cis-1,3-Dichloropropene
Concen: 0.480 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 75 Resp: 3361
Ion Ratio Lower Upper
75 100
77 64.8 22.4 41.6#

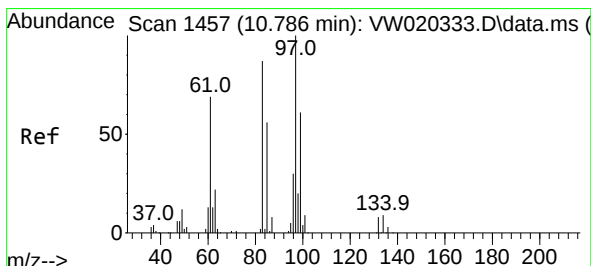
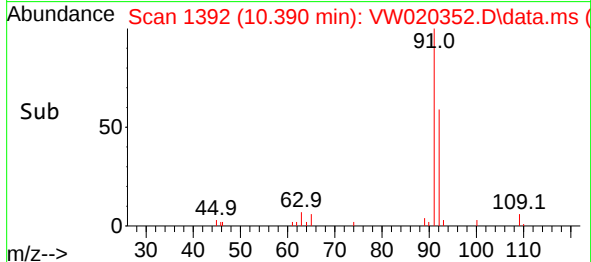
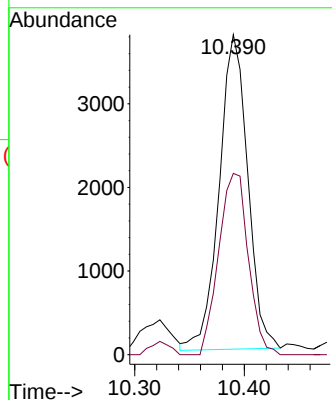
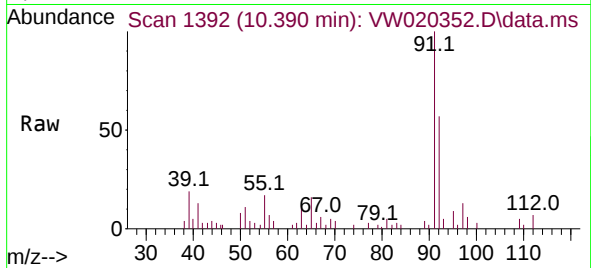




#42
Toluene
Concen: 0.340 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

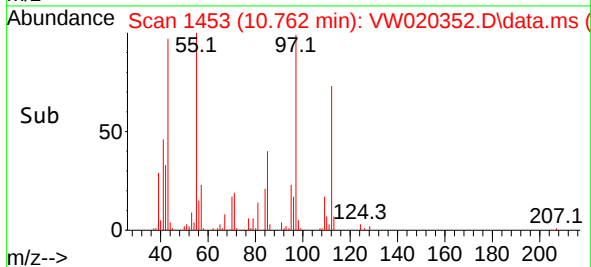
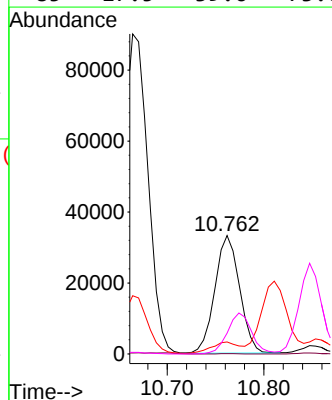
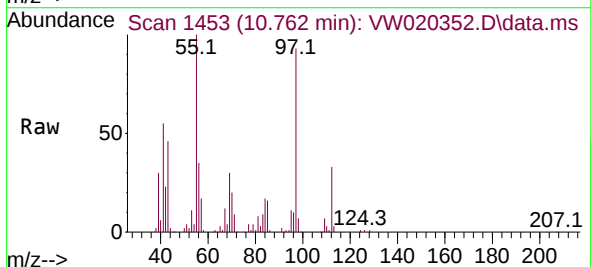
Instrument :
MSVOA_W
ClientSampled :

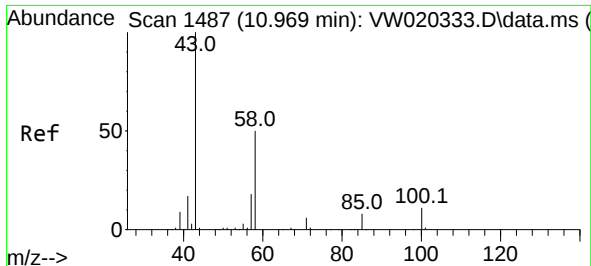
Tgt Ion: 91 Resp: 6805
Ion Ratio Lower Upper
91 100
92 56.7 41.5 77.1



#45
1,1,2-Trichloroethane
Concen: 18.764 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 97 Resp: 58799
Ion Ratio Lower Upper
97 100
99 0.3 42.8 79.4#
83 10.1 60.9 113.1#
85 17.5 39.6 73.6#

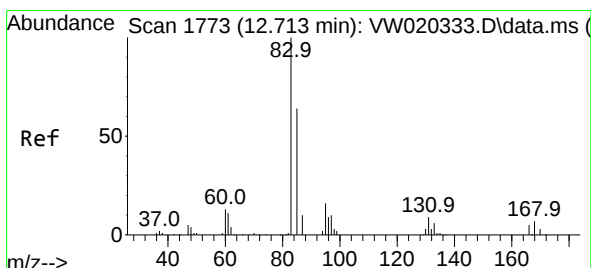
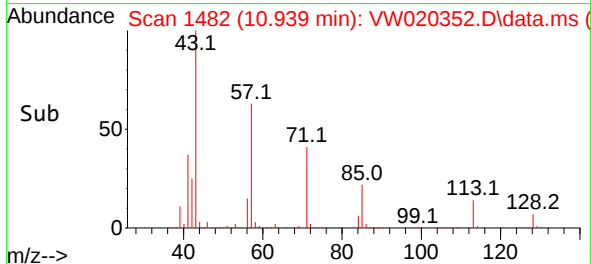
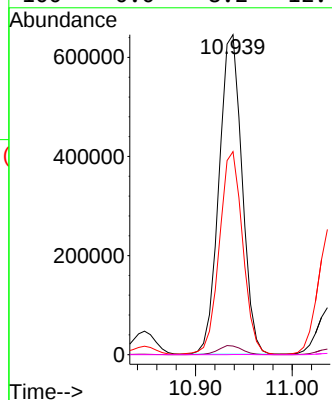
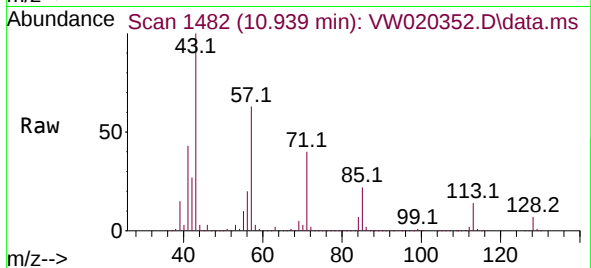




#48
2-Hexanone
Concen: 539.146 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.031 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

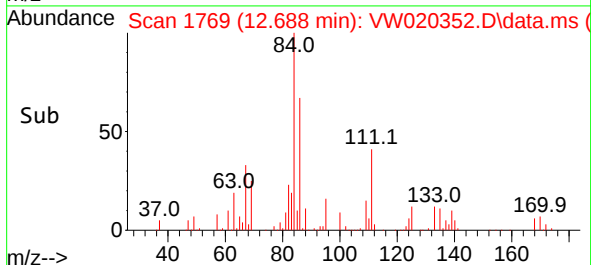
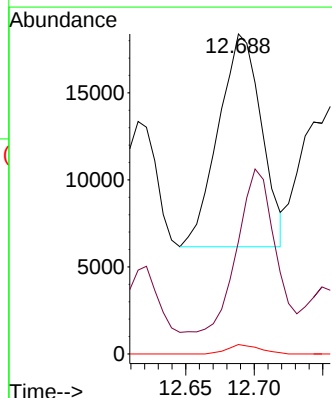
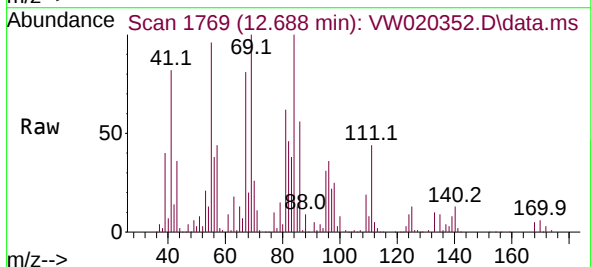
Instrument :
MSVOA_W
ClientSampleId :

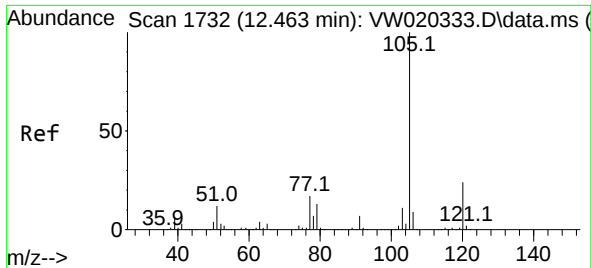
Tgt Ion: 43 Resp: 1064232
Ion Ratio Lower Upper
43 100
58 3.0 39.5 59.3#
57 64.2 14.2 21.4#
100 0.0 8.2 12.4#



#57
1,1,2,2-Tetrachloroethane
Concen: 7.182 ug/L
RT: 12.688 min Scan# 1769
Delta R.T. -0.025 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Tgt Ion: 83 Resp: 26758
Ion Ratio Lower Upper
83 100
85 35.2 45.9 85.3#
131 3.0 7.4 11.2#

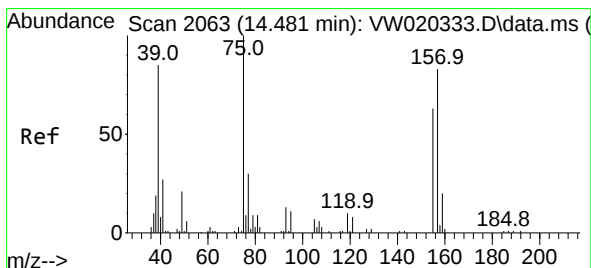
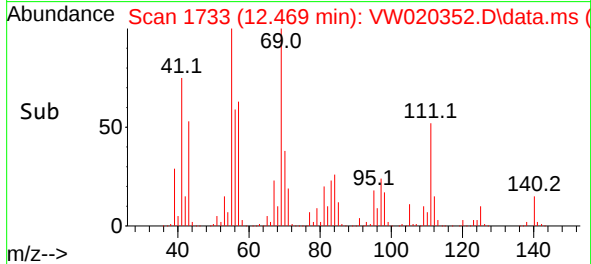
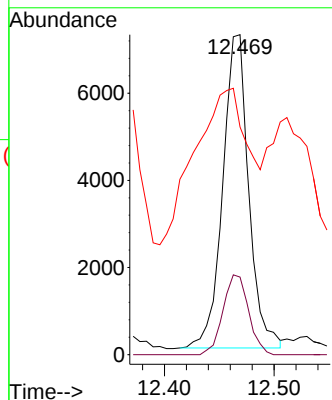
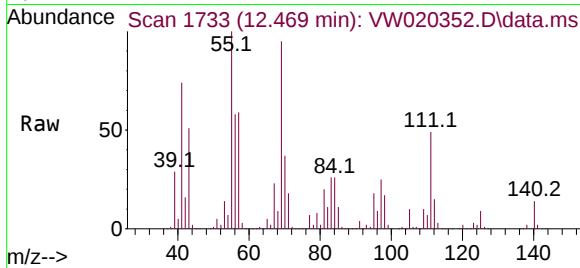




#60
Isopropylbenzene
Concen: 0.638 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

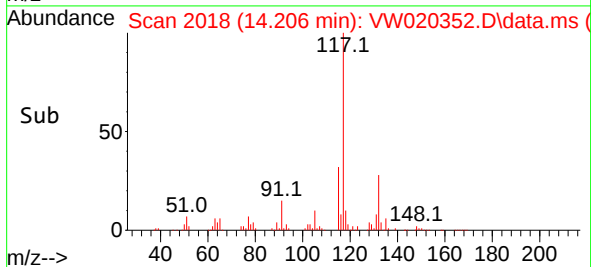
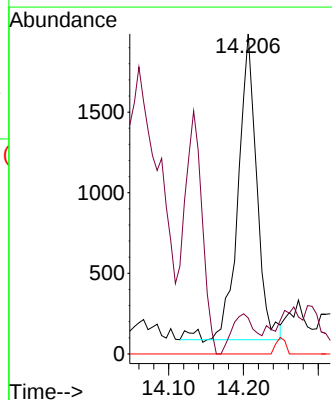
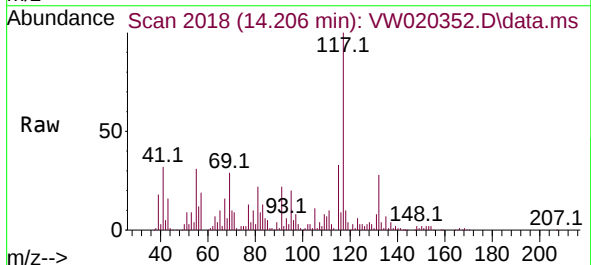
Instrument :
MSVOA_W
ClientSampled :

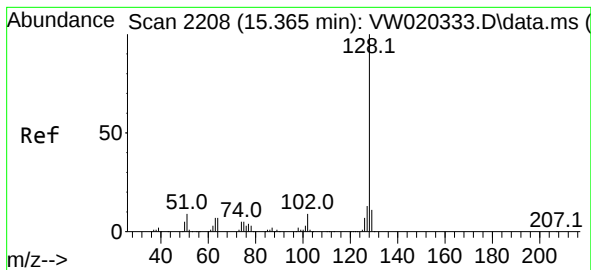
Tgt Ion:105 Resp: 11834
Ion Ratio Lower Upper
105 100
120 25.0 20.3 30.5
77 103.5 13.8 20.6#



#68
1,2-Dibromo-3-chloropropane
Concen: 6.305 ug/L
RT: 14.206 min Scan# 2018
Delta R.T. -0.275 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

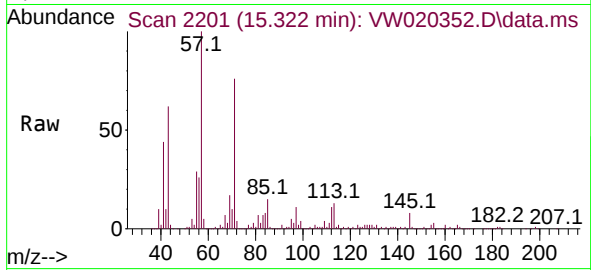
Tgt Ion: 75 Resp: 3313
Ion Ratio Lower Upper
75 100
155 11.2 51.4 77.0#
157 0.0 70.8 106.2#





#71
Naphthalene
Concen: 0.642 ug/L
RT: 15.322 min Scan# 2201
Delta R.T. -0.043 min
Lab File: VW020352.D
Acq: 07 Oct 2021 07:27

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 4836
Ion Ratio Lower Upper
128 100
127 119.1 10.5 15.7#
129 56.3 8.7 13.1#

