

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020342.D
 Acq On : 07 Oct 2021 03:27
 Operator : SY/VA
 Sample : M4000-16
 Misc : 8.19g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 05:30:12 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	291537	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	222048	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	62208	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	102660	25.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.200%
7) Chloroethane-d5	2.885	69	44849	25.760	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.040%
11) 1,1-Dichloroethene-d2	4.019	63	143602	17.355	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.440%
21) 2-Butanone-d5	7.086	46	49597	48.591	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.180%
24) Chloroform-d	7.653	84	188965	22.573	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	8.311	65	105598	23.050	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	8.281	84	383167	28.500	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.000%
36) 1,2-Dichloropropane-d6	9.281	67	114520	26.855	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.440%
41) Toluene-d8	10.323	98	300148	24.649	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	10.579	79	42307	24.383	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.520%
47) 2-Hexanone-d5	10.927	63	30022	50.937	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.880%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	65726	22.083	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.320%
66) 1,2-Dichlorobenzene-d4	13.853	152	54253	24.906	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.640%

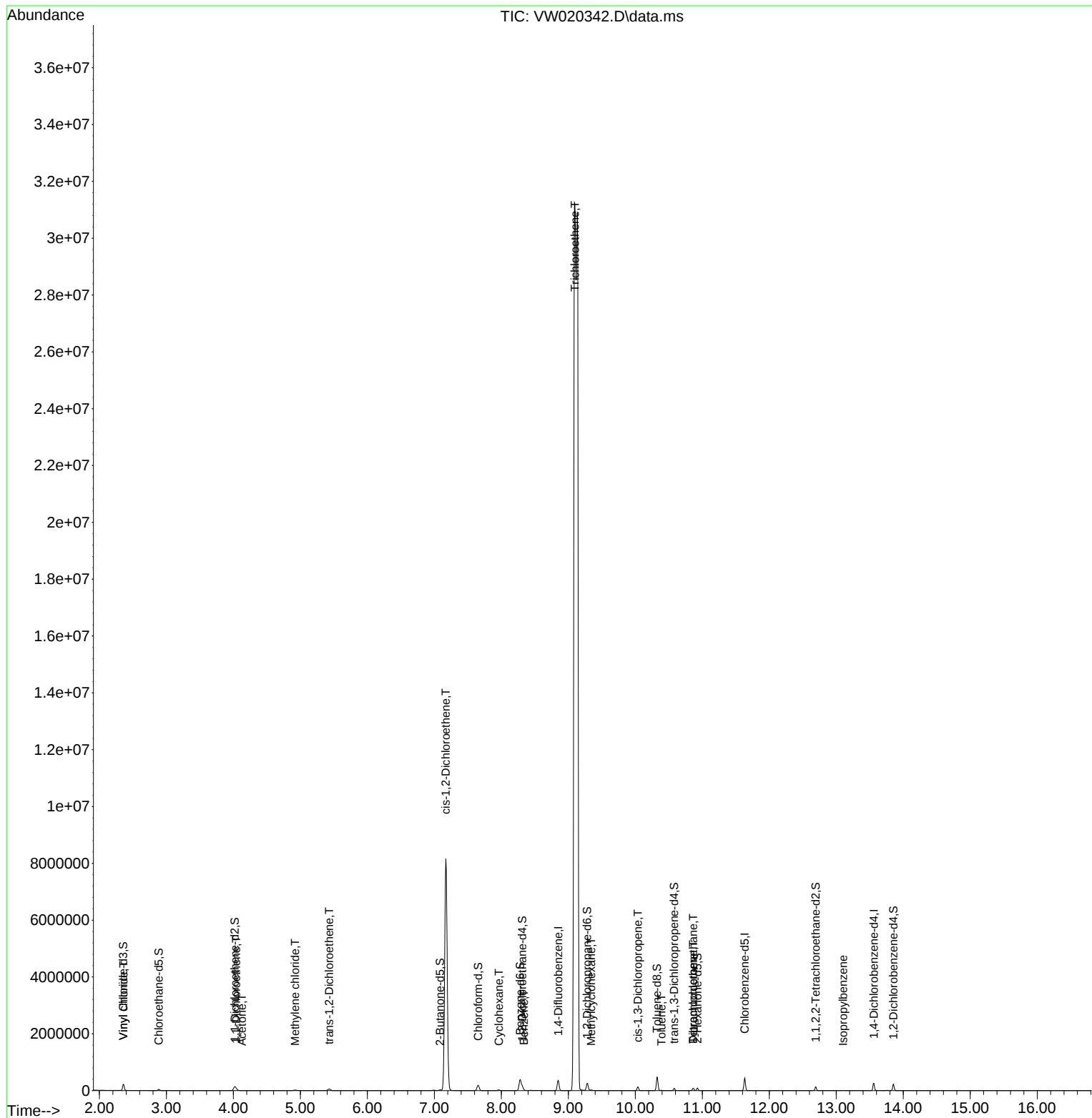
Target Compounds				Qvalue		
5) Vinyl chloride	2.361	62	122944	23.144	ug/L	99
12) 1,1-Dichloroethene	4.044	96	11816	2.913	ug/L #	1
13) Acetone	4.129	43	4603	4.387	ug/L	90
16) Methylene chloride	4.922	84	14974	2.876	ug/L	93
17) trans-1,2-Dichloroethene	5.428	96	32380	7.625	ug/L	96
20) cis-1,2-Dichloroethene	7.171	96	4696651	1081.453	ug/L	99
29) Cyclohexane	7.964	56	12843	1.945	ug/L	99
33) Benzene	8.336	78	14810	0.959	ug/L	100
34) Trichloroethene	9.098	95	13024976	3428.800	ug/L	97
35) Methylcyclohexane	9.342	83	6368	0.961	ug/L #	71
39) cis-1,3-Dichloropropene	10.037	75	3254	0.598	ug/L #	80
42) Toluene	10.390	91	9012	0.580	ug/L	99
46) Tetrachloroethene	10.866	164	18409	6.584	ug/L	93
49) Dibromochloromethane	10.866	129	16943	6.204	ug/L #	10
60) Isopropylbenzene	13.103	105	4711	0.510	ug/L	93

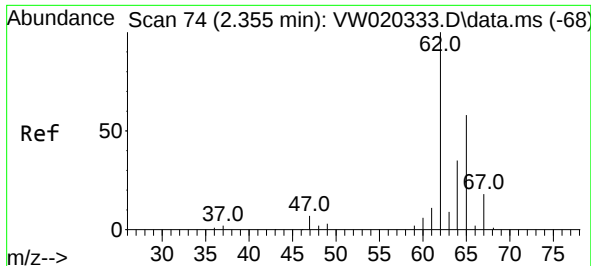
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 05:04:04 2021
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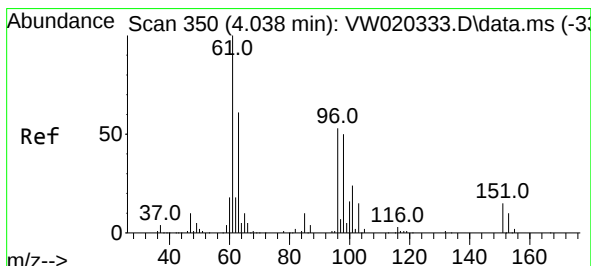
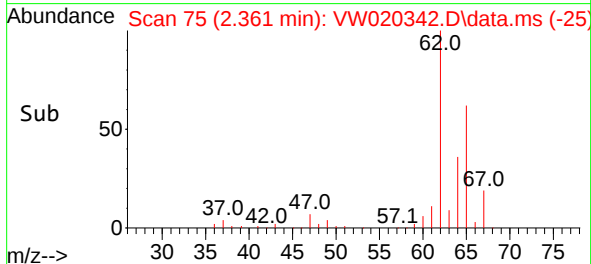
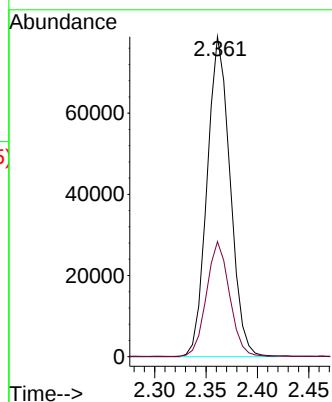
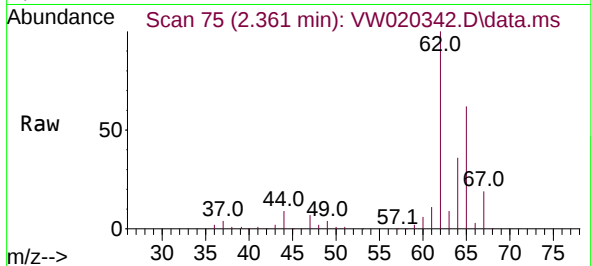




#5
 Vinyl chloride
 Concen: 23.144 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW020342.D
 Acq: 07 Oct 2021 03:27

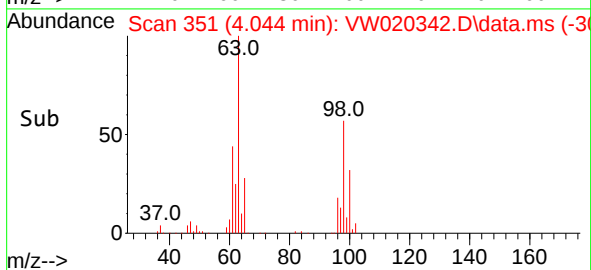
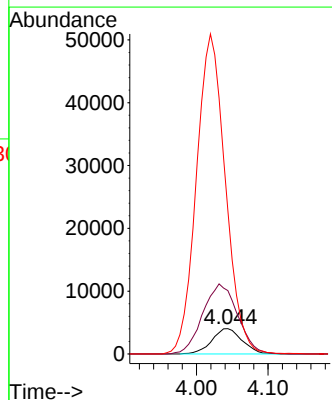
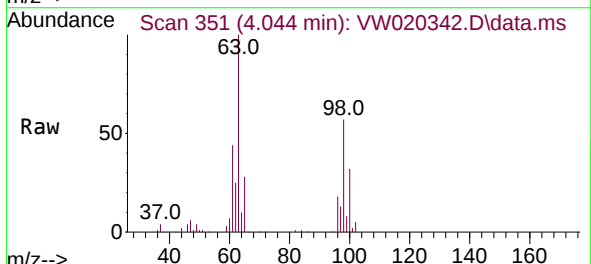
Instrument :
 MSVOA_W
 ClientSampled :

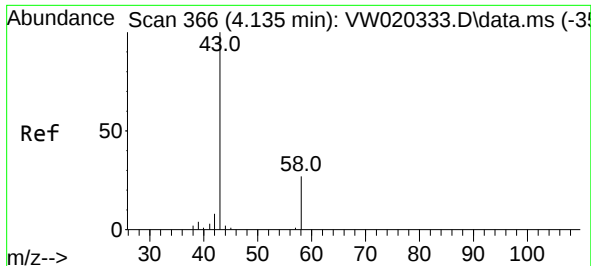
Tgt Ion: 62 Resp: 122944
 Ion Ratio Lower Upper
 62 100
 64 35.9 24.6 45.6



#12
 1,1-Dichloroethene
 Concen: 2.913 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW020342.D
 Acq: 07 Oct 2021 03:27

Tgt Ion: 96 Resp: 11816
 Ion Ratio Lower Upper
 96 100
 61 250.7 133.9 248.7#
 63 566.8 77.3 143.7#

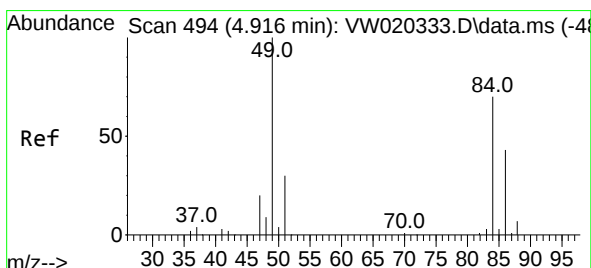
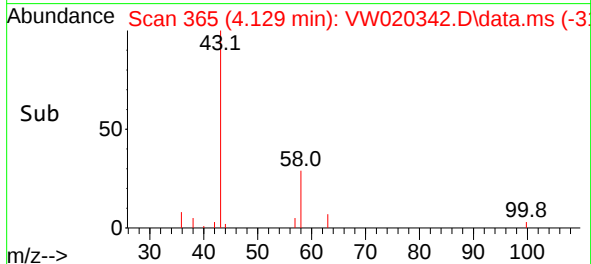
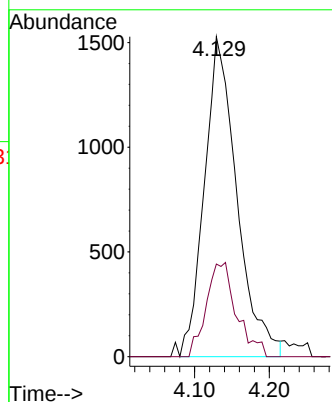
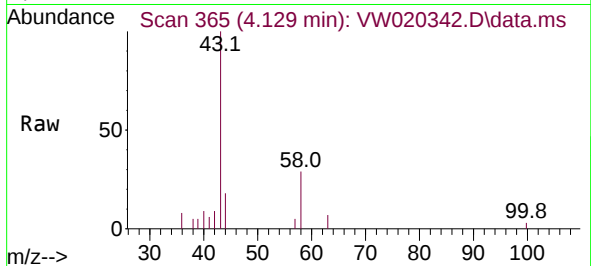




#13
Acetone
Concen: 4.387 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

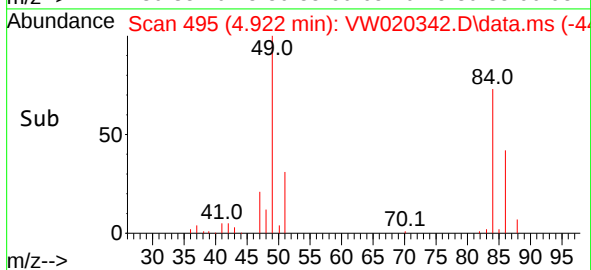
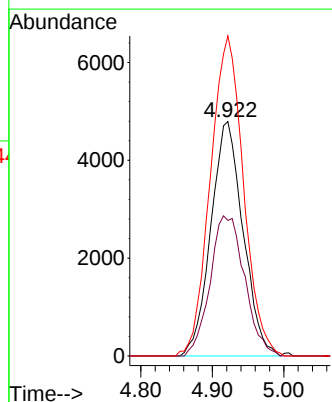
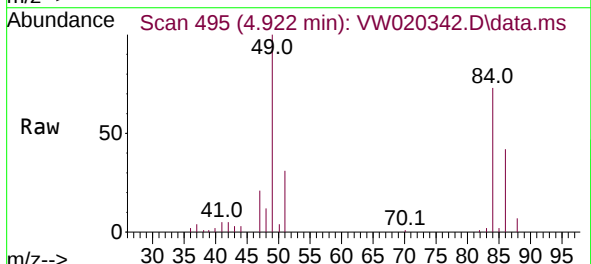
Instrument :
MSVOA_W
ClientSampled :

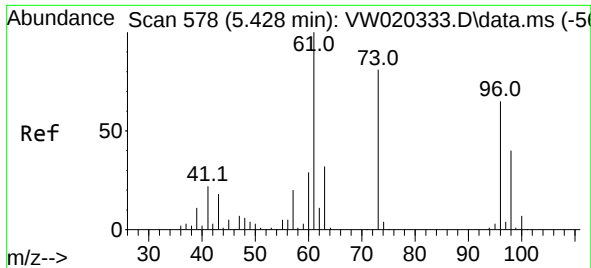
Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
58 23.8 0.0 58.4



#16
Methylene chloride
Concen: 2.876 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

Tgt Ion: 84 Resp: 14974
Ion Ratio Lower Upper
84 100
86 57.8 44.7 83.1
49 136.5 101.7 188.9

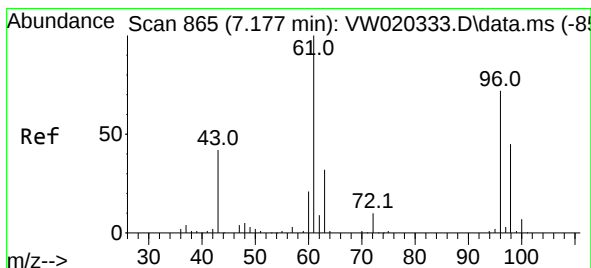
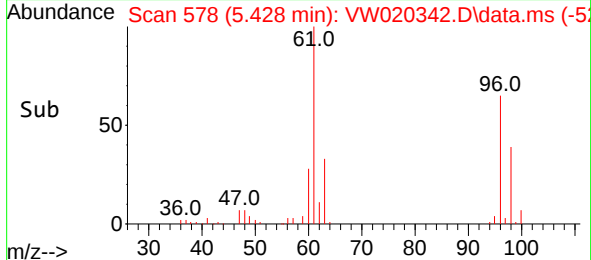
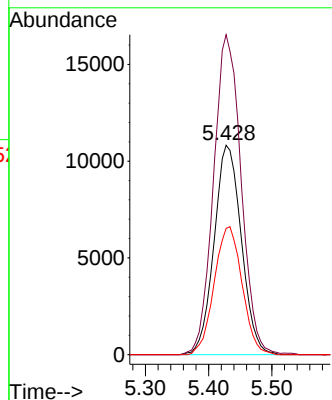
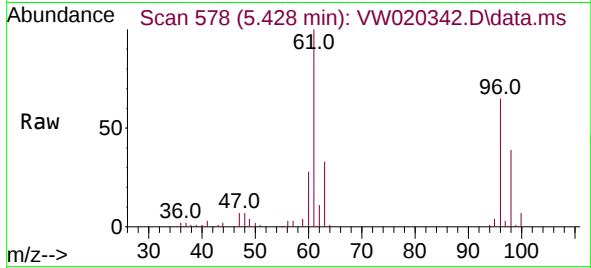




#17
trans-1,2-Dichloroethene
Concen: 7.625 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

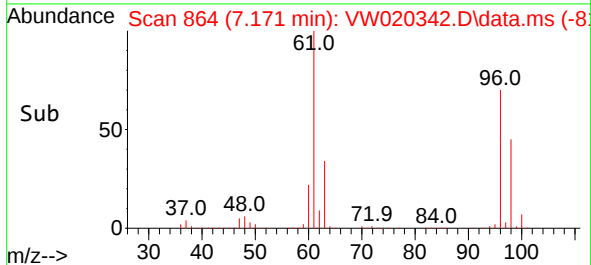
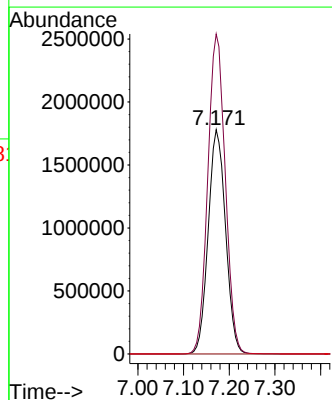
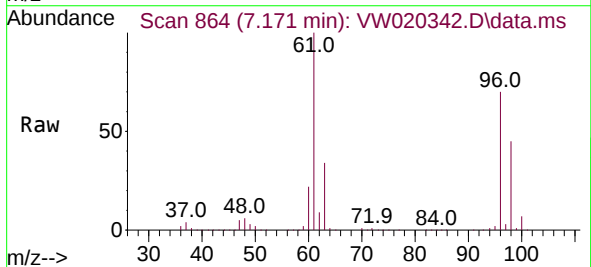
Instrument :
MSVOA_W
ClientSampled :

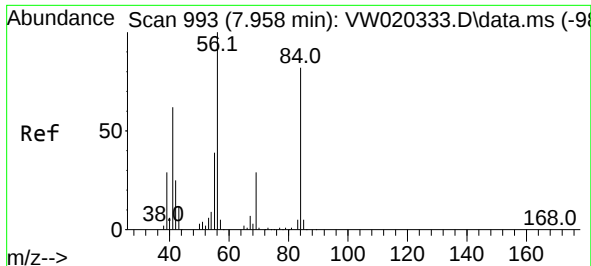
Tgt Ion: 96 Resp: 32380
Ion Ratio Lower Upper
96 100
61 152.8 110.7 205.5
98 60.2 43.9 81.5



#20
cis-1,2-Dichloroethene
Concen: 1081.453 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

Tgt Ion: 96 Resp: 4696651
Ion Ratio Lower Upper
96 100
61 142.7 100.3 186.3
68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 1.945 ug/L

RT: 7.964 min Scan# 994

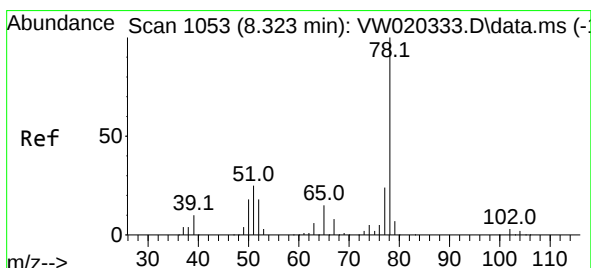
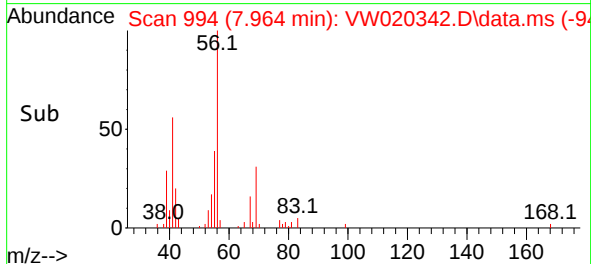
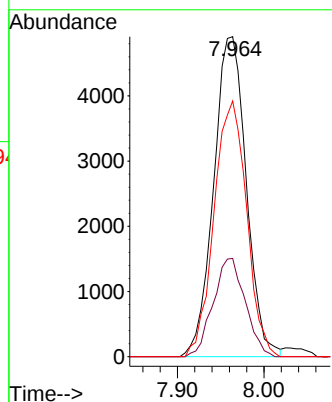
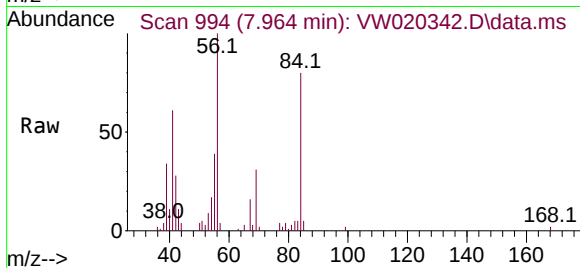
Delta R.T. 0.006 min

Lab File: VW020342.D

Acq: 07 Oct 2021 03:27

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 56	Resp: 12843
Ion Ratio	Lower Upper
56	100
69	30.2 23.2 34.8
84	79.7 63.7 95.5



#33

Benzene

Concen: 0.959 ug/L

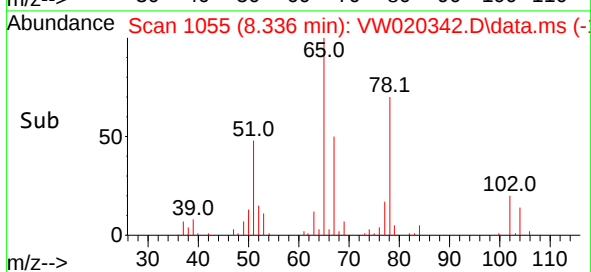
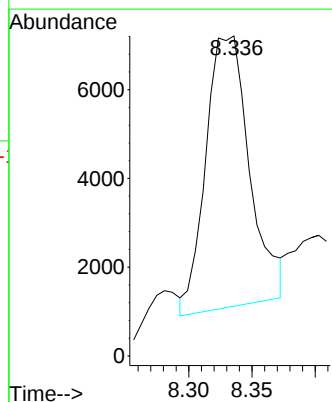
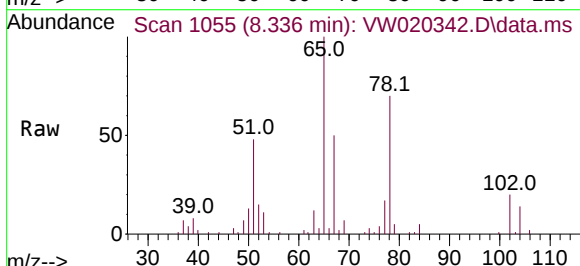
RT: 8.336 min Scan# 1055

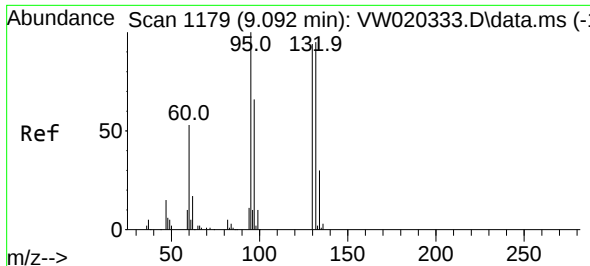
Delta R.T. 0.012 min

Lab File: VW020342.D

Acq: 07 Oct 2021 03:27

Tgt Ion: 78 Resp: 14810





#34

Trichloroethene

Concen: 3428.800 ug/L

RT: 9.098 min Scan# 1180

Delta R.T. 0.006 min

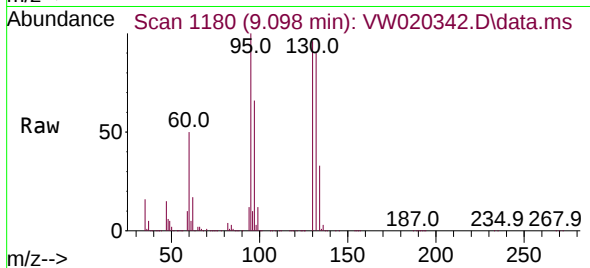
Lab File: VW020342.D

Acq: 07 Oct 2021 03:27

Instrument :

MSVOA_W

ClientSampled :



Tgt Ion: 95 Resp:13024976

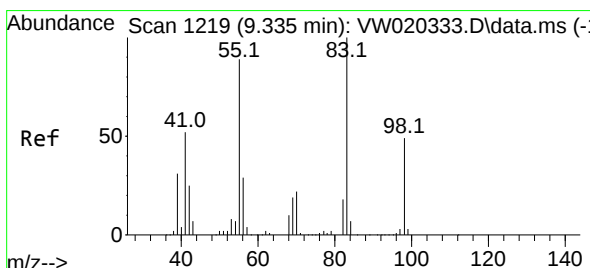
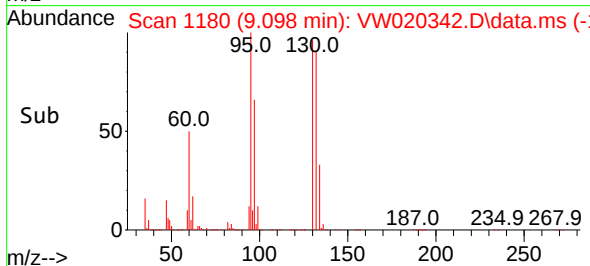
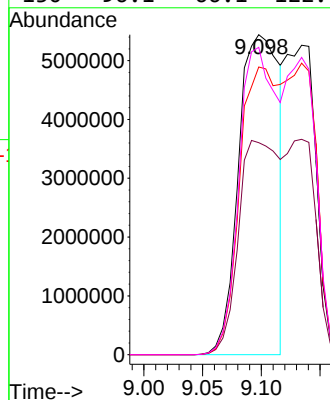
Ion Ratio Lower Upper

95 100

97 66.2 43.2 80.2

132 89.9 62.3 115.7

130 96.1 66.1 122.7



#35

Methylcyclohexane

Concen: 0.961 ug/L

RT: 9.342 min Scan# 1220

Delta R.T. 0.006 min

Lab File: VW020342.D

Acq: 07 Oct 2021 03:27

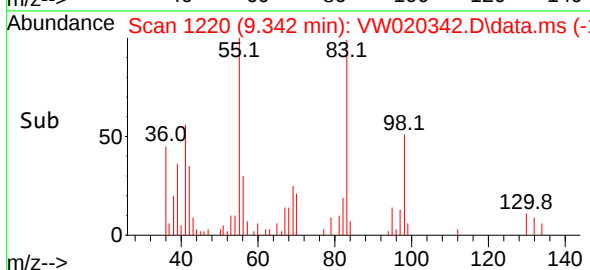
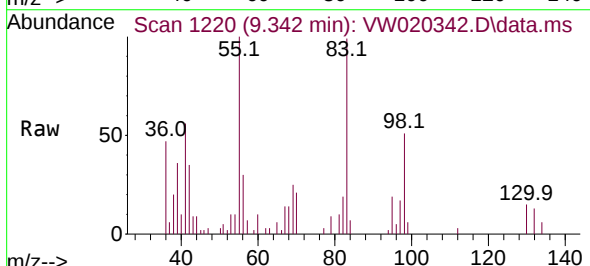
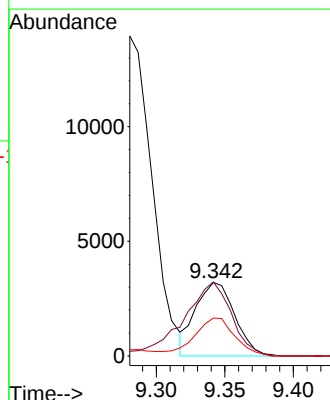
Tgt Ion: 83 Resp: 6368

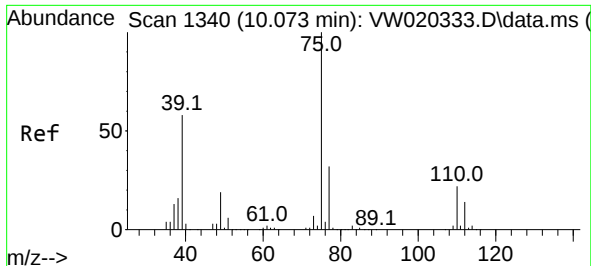
Ion Ratio Lower Upper

83 100

55 125.0 69.7 104.5#

98 53.1 38.2 57.2

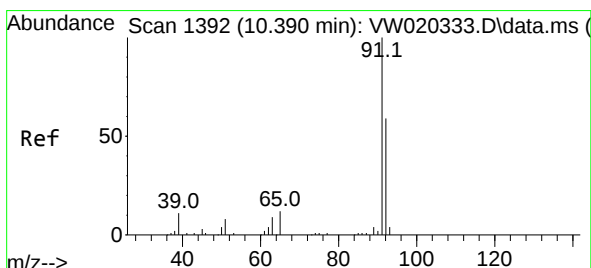
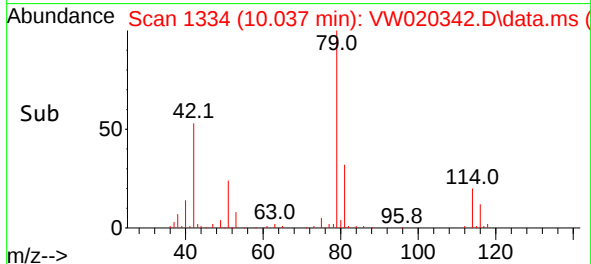
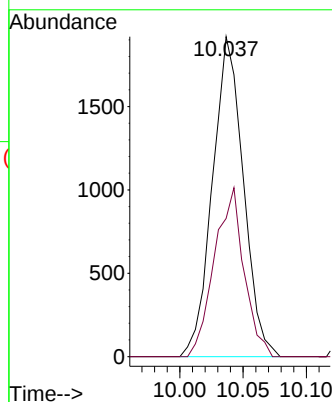
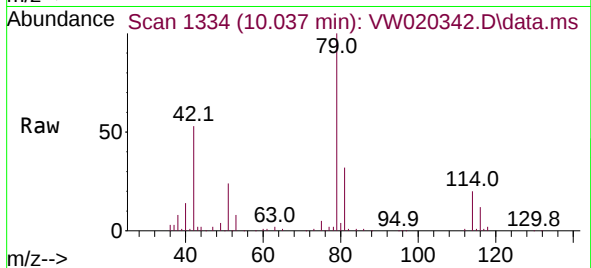




#39
cis-1,3-Dichloropropene
Concen: 0.598 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

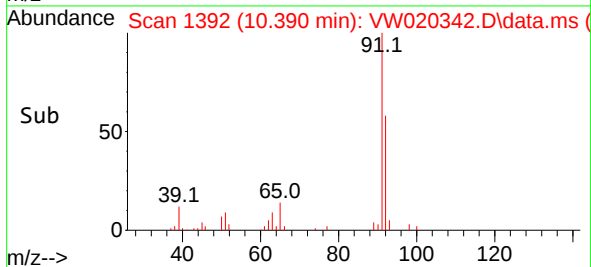
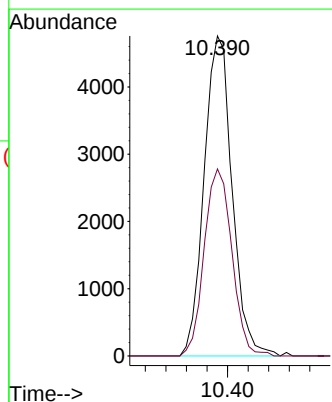
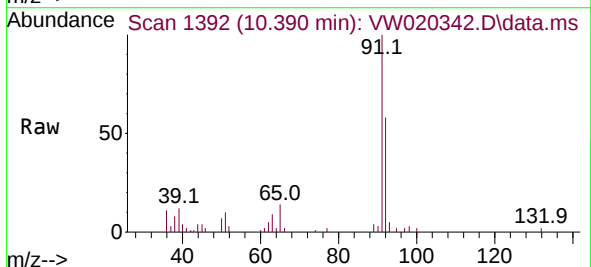
Instrument :
MSVOA_W
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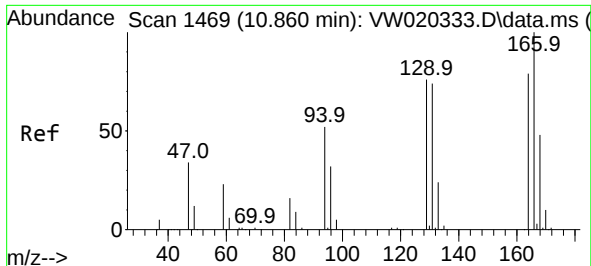
Tgt Ion: 75 Resp: 3254
Ion Ratio Lower Upper
75 100
77 43.2 22.4 41.6#



#42
Toluene
Concen: 0.580 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

Tgt Ion: 91 Resp: 9012
Ion Ratio Lower Upper
91 100
92 58.4 41.5 77.1

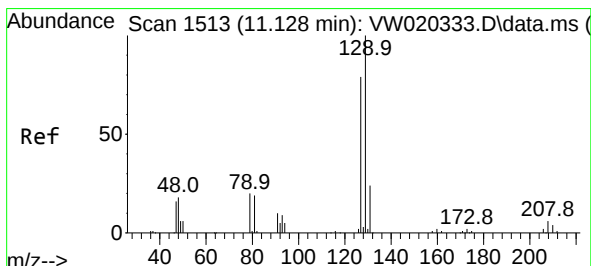
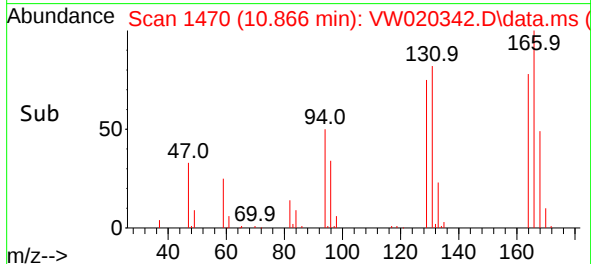
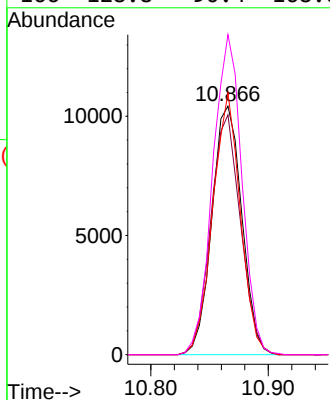
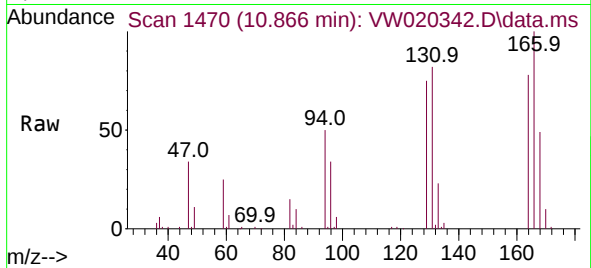




#46
Tetrachloroethene
Concen: 6.584 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

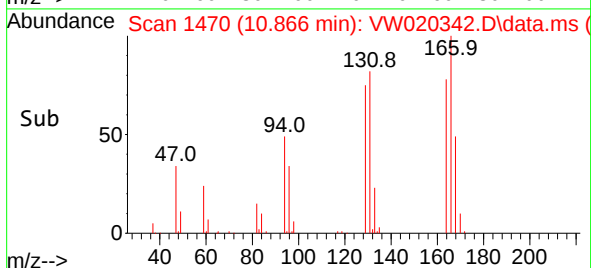
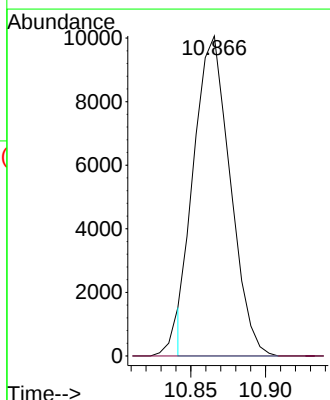
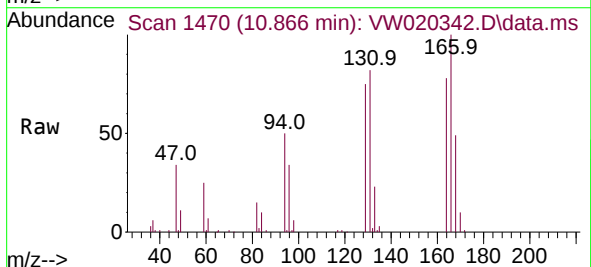
Instrument :
MSVOA_W
ClientSampled :

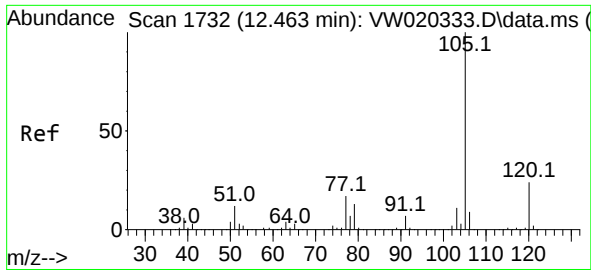
Tgt Ion:164 Resp: 18409
Ion Ratio Lower Upper
164 100
129 96.6 69.1 128.3
131 105.3 58.3 108.3
166 128.8 90.4 168.0



#49
Dibromochloromethane
Concen: 6.204 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

Tgt Ion:129 Resp: 16943
Ion Ratio Lower Upper
129 100
127 0.0 55.1 102.3#





#60
Isopropylbenzene
Concen: 0.510 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW020342.D
Acq: 07 Oct 2021 03:27

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	105	Resp:	4711
Ion	Ratio	Lower	Upper
105	100		
120	29.7	20.3	30.5
77	15.0	13.8	20.6

