

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020340.D
 Acq On : 07 Oct 2021 02:39
 Operator : SY/VA
 Sample : M4000-10
 Misc : 5.60g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 05:29:44 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	8.842	114	235266	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	147875	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	30628	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	92253	28.451	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.800%
7) Chloroethane-d5	2.885	69	35978	25.607	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.440%
11) 1,1-Dichloroethene-d2	4.019	63	122716	18.378	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.520%
21) 2-Butanone-d5	7.086	46	49481	60.072	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.140%
24) Chloroform-d	7.653	84	159166	23.561	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	8.311	65	94321	25.513	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.040%
32) Benzene-d6	8.281	84	318213	35.541	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	142.160%#
36) 1,2-Dichloropropane-d6	9.274	67	106580	37.530	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	150.120%#
41) Toluene-d8	10.329	98	235150	28.998	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.000%
43) trans-1,3-Dichloroprop...	10.579	79	33851	29.296	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.200%
47) 2-Hexanone-d5	10.927	63	32275	82.227	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.460%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	66130	33.364	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.440%#
66) 1,2-Dichlorobenzene-d4	13.853	152	30707	28.631	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.520%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.361	62	318113	74.208	ug/L	97
12) 1,1-Dichloroethene	4.044	96	12520	3.824	ug/L #	1
13) Acetone	4.141	43	8148	9.622	ug/L	90
14) Carbon disulfide	4.385	76	13895	1.291	ug/L	96
16) Methylene chloride	4.922	84	14975	3.564	ug/L	97
17) trans-1,2-Dichloroethene	5.428	96	829707	242.102	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	4942791	1410.347	ug/L	97
22) 2-Butanone	7.183	43	2862	2.749	ug/L #	1
27) 1,2-Dichloroethane	8.403	62	1702	0.391	ug/L #	94
29) Cyclohexane	7.958	56	18054	4.107	ug/L	94
33) Benzene	8.329	78	153393	14.916	ug/L	100
34) Trichloroethene	9.092	95	63101	24.943	ug/L	98
35) Methylcyclohexane	9.335	83	36590	8.292	ug/L	89
39) cis-1,3-Dichloropropene	10.043	75	2634	0.727	ug/L #	70
42) Toluene	10.390	91	13790	1.333	ug/L	99
45) 1,1,2-Trichloroethane	10.762	97	6092	3.759	ug/L #	20
48) 2-Hexanone	10.933	43	13046	12.778	ug/L #	42
52) Ethylbenzene	11.731	91	14927	1.322	ug/L	98
53) m,p-Xylene	11.841	106	3523	0.845	ug/L	93

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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
Response via : Initial Calibration

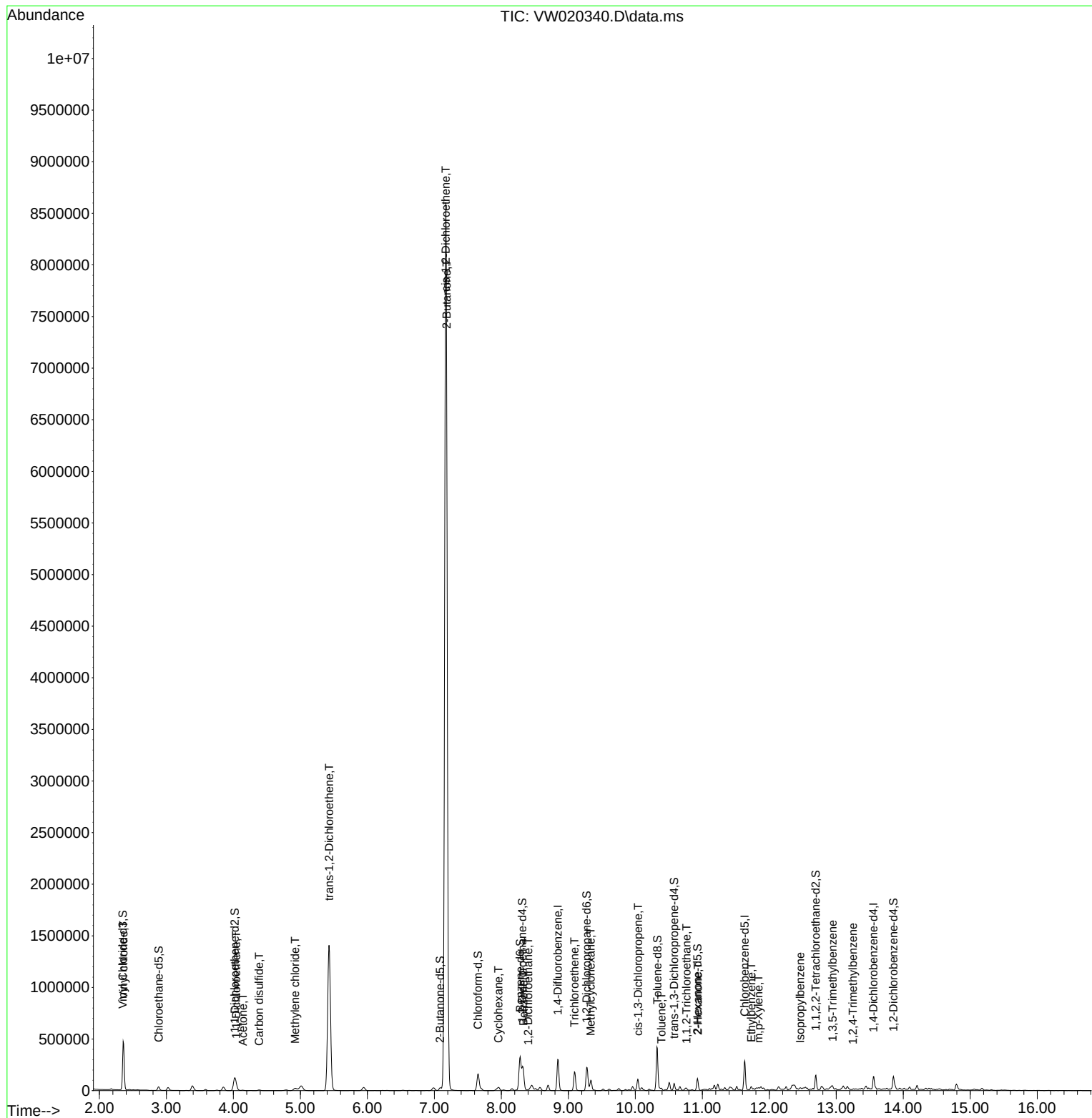
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.463	105	8904	1.958	ug/L	99
62) 1,3,5-Trimethylbenzene	12.945	105	4683	1.273	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	3773	1.026	ug/L	91

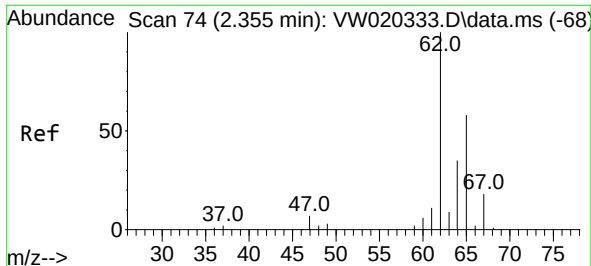
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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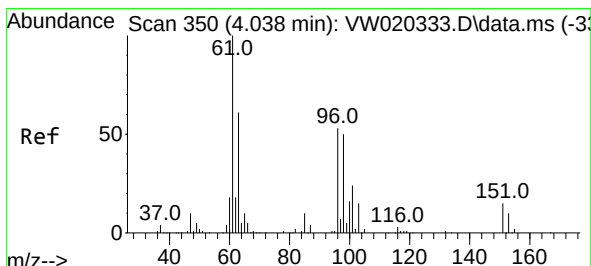
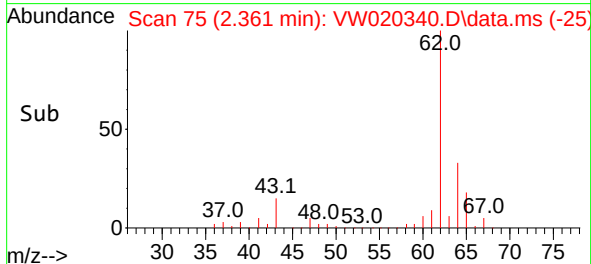
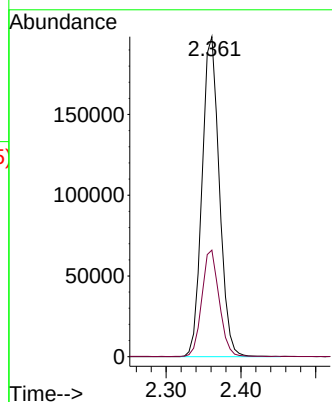
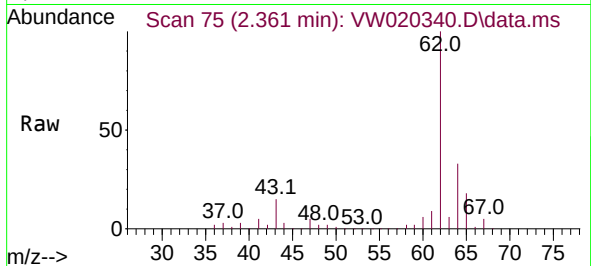




#5
 Vinyl chloride
 Concen: 74.208 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW020340.D
 Acq: 07 Oct 2021 02:39

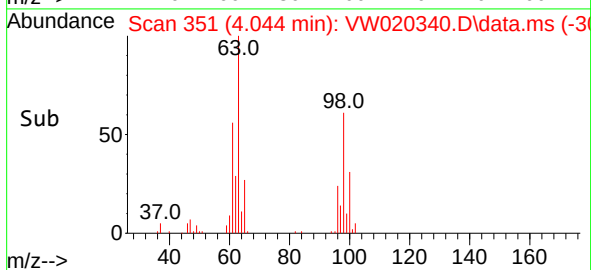
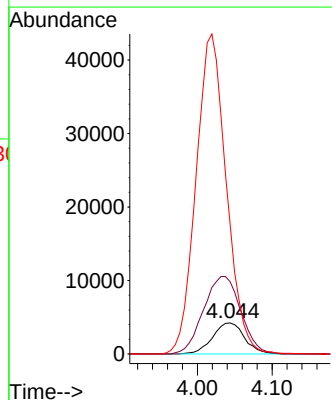
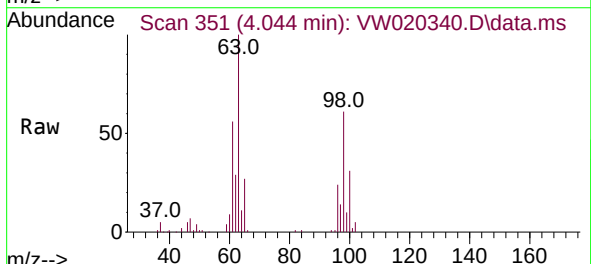
Instrument :
 MSVOA_W
 ClientSampled :

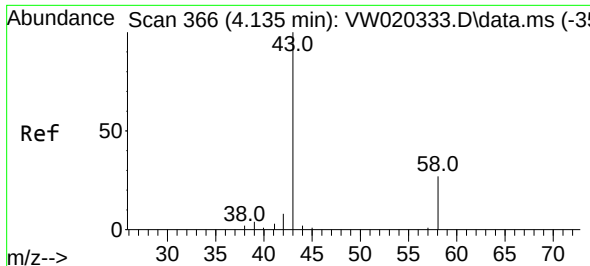
Tgt Ion: 62 Resp: 318113
 Ion Ratio Lower Upper
 62 100
 64 33.3 24.6 45.6



#12
 1,1-Dichloroethene
 Concen: 3.824 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW020340.D
 Acq: 07 Oct 2021 02:39

Tgt Ion: 96 Resp: 12520
 Ion Ratio Lower Upper
 96 100
 61 233.2 133.9 248.7
 63 418.7 77.3 143.7#

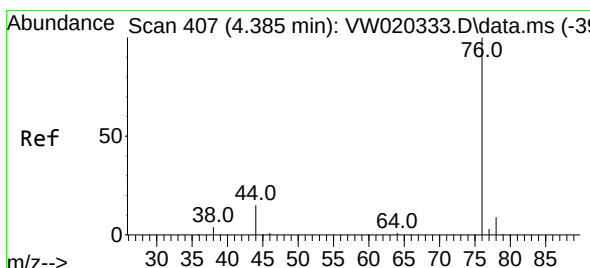
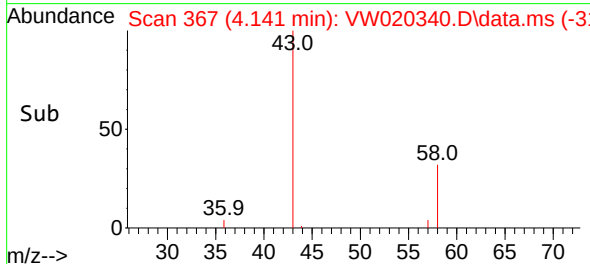
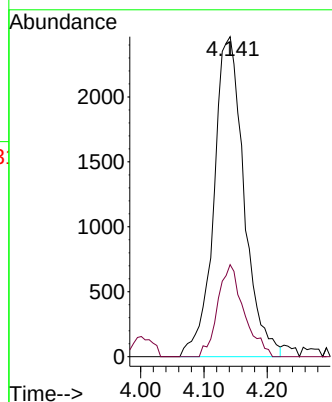
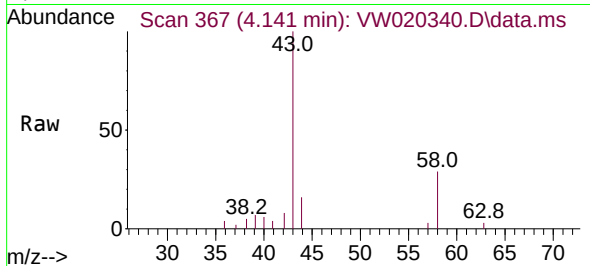




#13
Acetone
Concen: 9.622 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

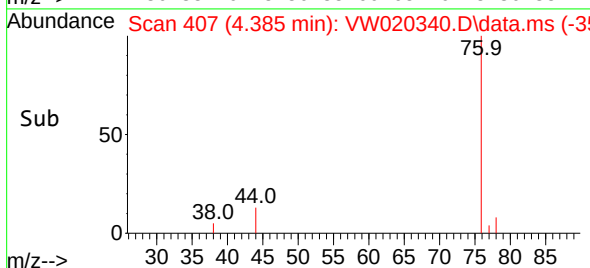
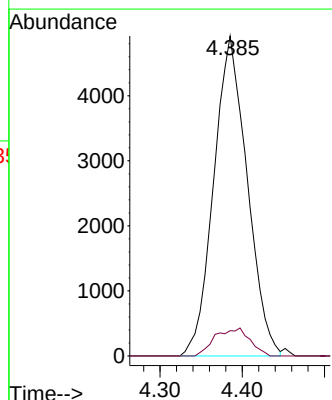
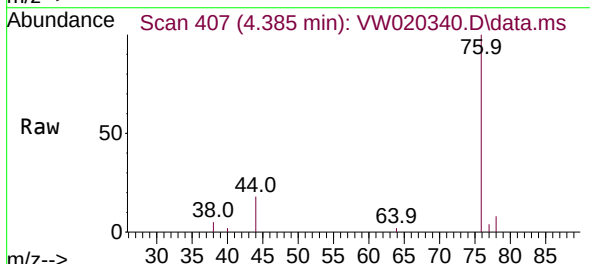
Instrument :
MSVOA_W
ClientSampled :

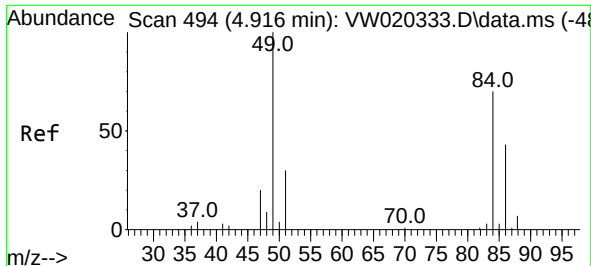
Tgt Ion: 43 Resp: 8148
Ion Ratio Lower Upper
43 100
58 23.8 0.0 58.4



#14
Carbon disulfide
Concen: 1.291 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 76 Resp: 13895
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.2

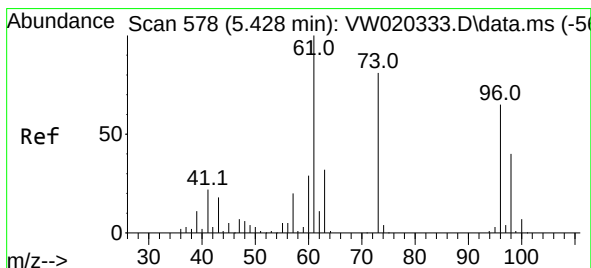
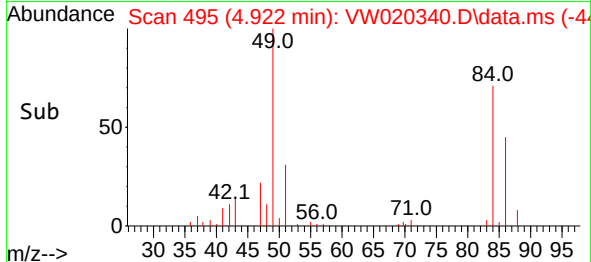
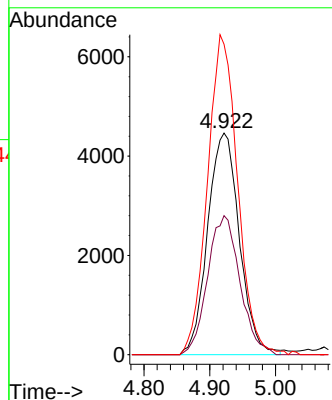
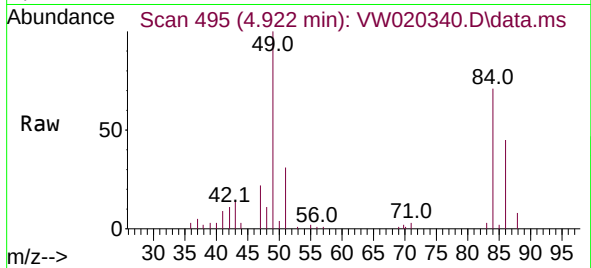




#16
Methylene chloride
Concen: 3.564 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

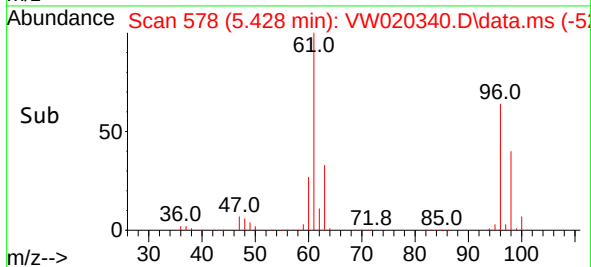
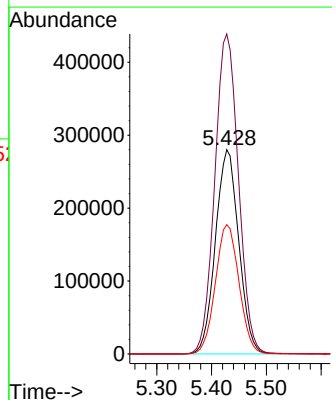
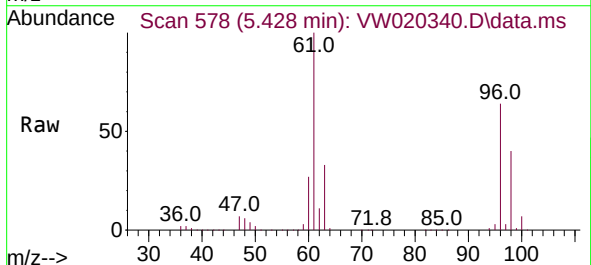
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ClientSampleId :

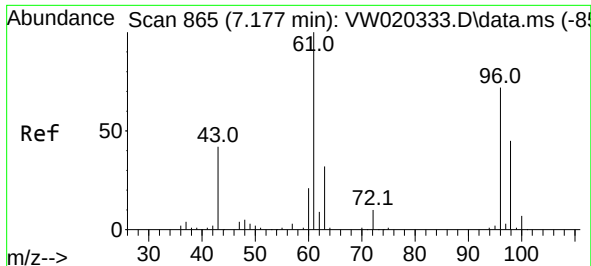
Tgt Ion: 84 Resp: 14975
Ion Ratio Lower Upper
84 100
86 62.8 44.7 83.1
49 140.0 101.7 188.9



#17
trans-1,2-Dichloroethene
Concen: 242.102 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 96 Resp: 829707
Ion Ratio Lower Upper
96 100
61 156.6 110.7 205.5
98 63.3 43.9 81.5

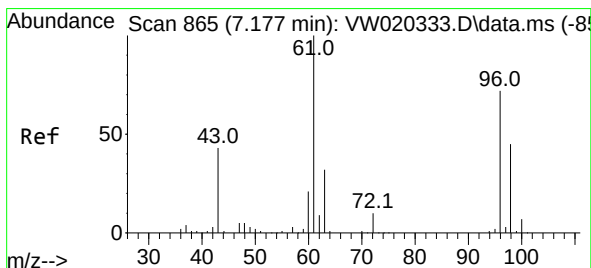
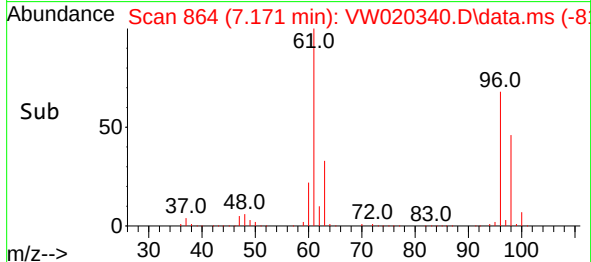
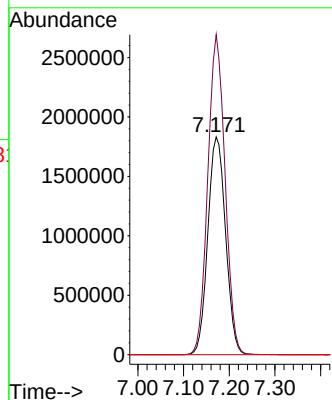
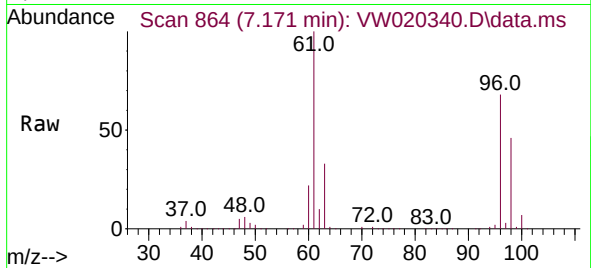




#20
cis-1,2-Dichloroethene
Concen: 1410.347 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

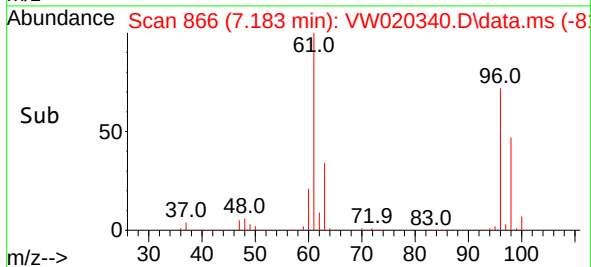
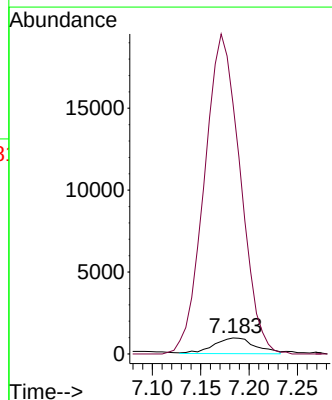
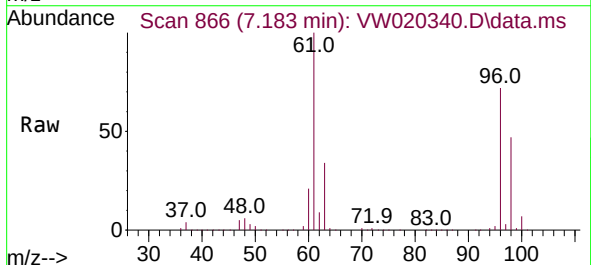
Instrument :
MSVOA_W
ClientSampled :

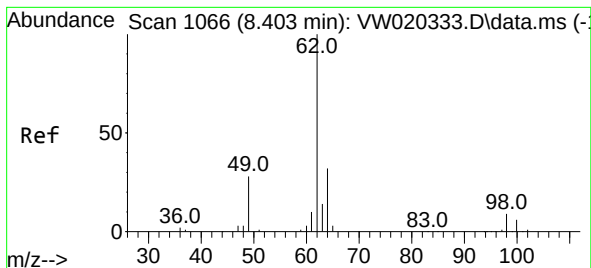
Tgt Ion: 96 Resp: 4942791
Ion Ratio Lower Upper
96 100
61 147.0 100.3 186.3
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 2.749 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
72 1763.8 12.2 36.6#

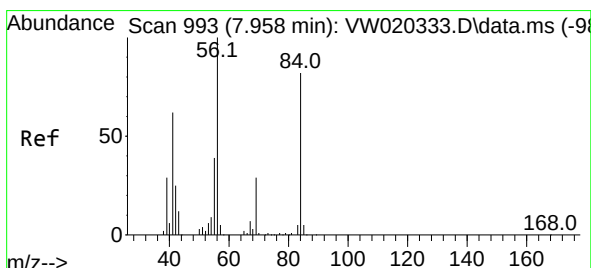
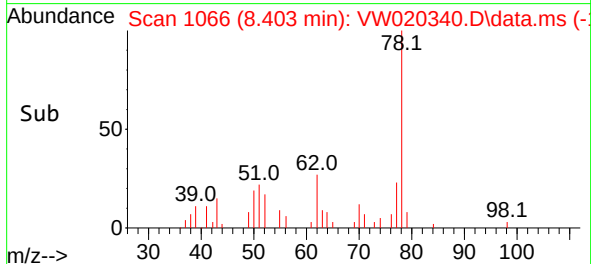
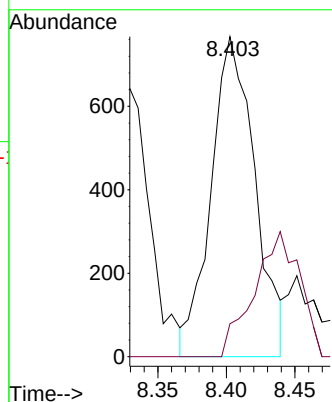
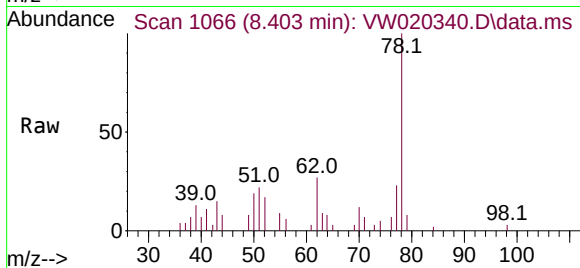




#27
1,2-Dichloroethane
Concen: 0.391 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

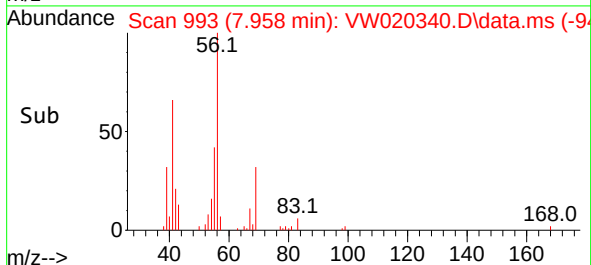
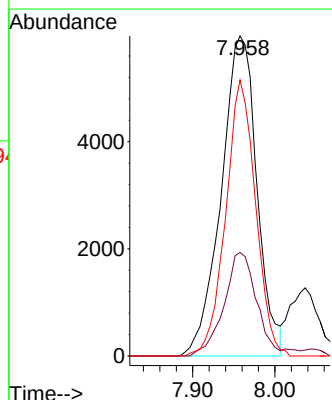
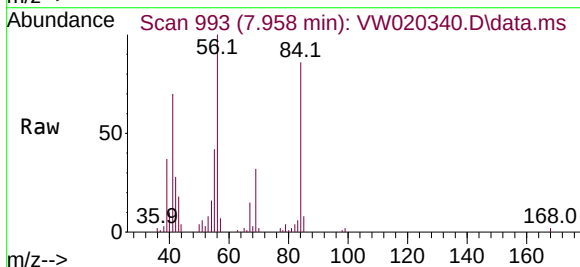
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MSVOA_W
ClientSampled :

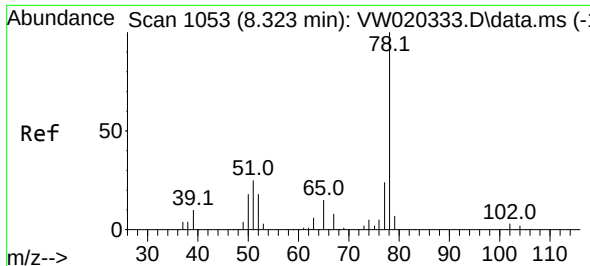
Tgt Ion: 62 Resp: 1702
Ion Ratio Lower Upper
62 100
98 10.3 6.6 10.0#



#29
Cyclohexane
Concen: 4.107 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020340.D
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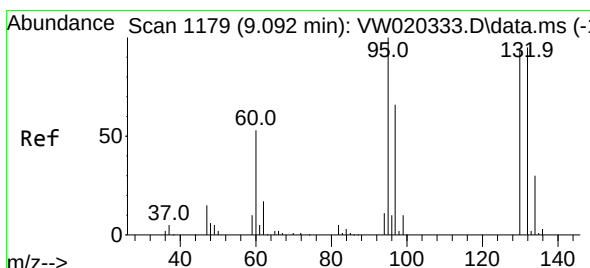
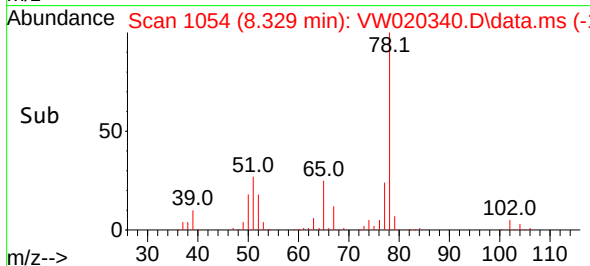
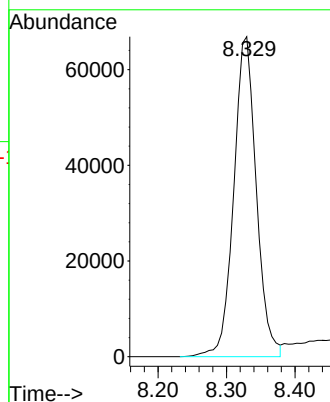
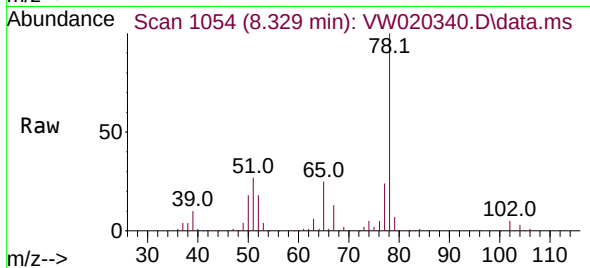
Tgt Ion: 56 Resp: 18054
Ion Ratio Lower Upper
56 100
69 29.3 23.2 34.8
84 72.1 63.7 95.5





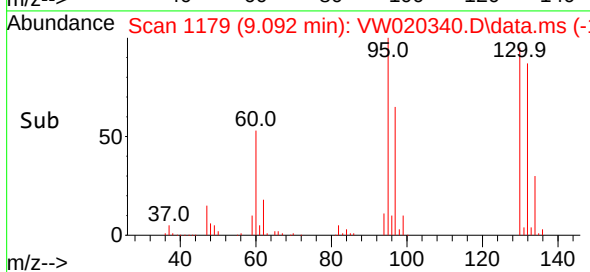
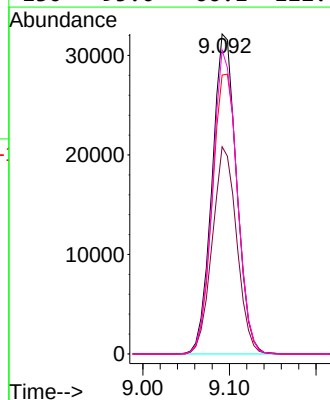
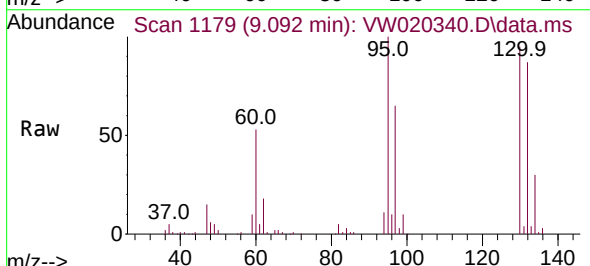
#33
Benzene
Concen: 14.916 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39
Tgt Ion: 78 Resp: 153393

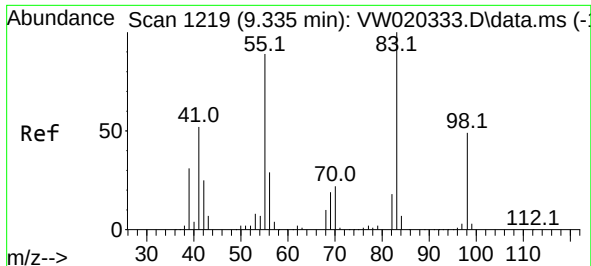
Instrument :
MSVOA_W
ClientSampled :



#34
Trichloroethene
Concen: 24.943 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 95 Resp: 63101
Ion Ratio Lower Upper
95 100
97 64.8 43.2 80.2
132 87.1 62.3 115.7
130 95.0 66.1 122.7

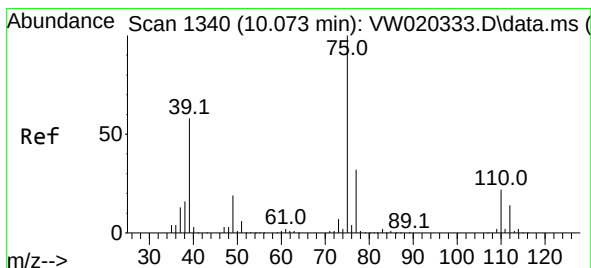
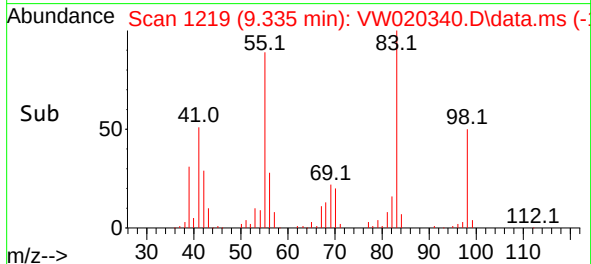
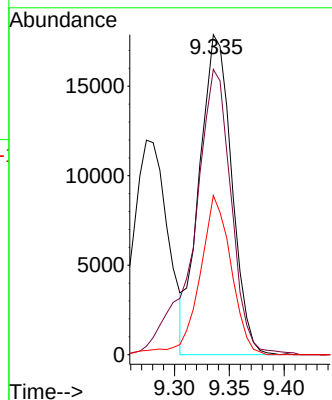
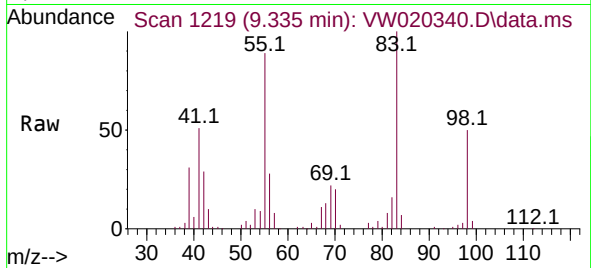




#35
Methylcyclohexane
Concen: 8.292 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

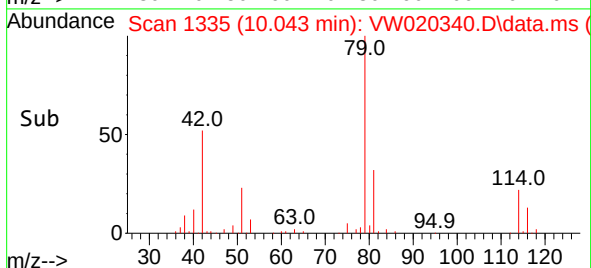
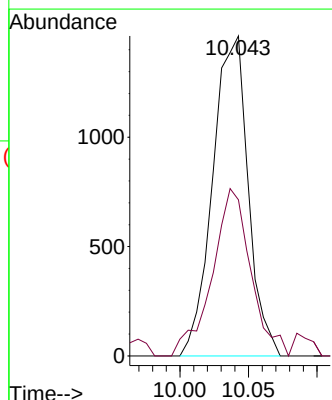
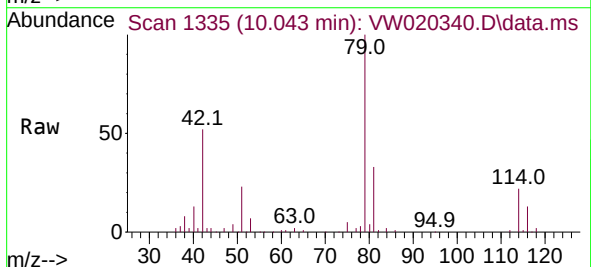
Instrument :
MSVOA_W
ClientSampleId :

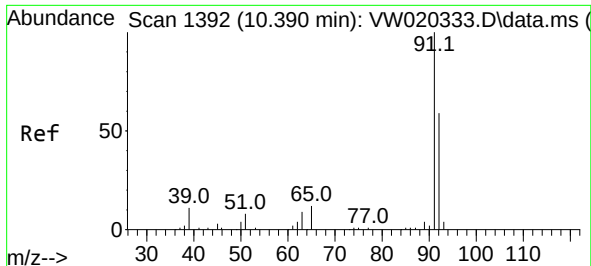
Tgt Ion: 83 Resp: 36590
Ion Ratio Lower Upper
83 100
55 102.6 69.7 104.5
98 47.2 38.2 57.2



#39
cis-1,3-Dichloropropene
Concen: 0.727 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.031 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 75 Resp: 2634
Ion Ratio Lower Upper
75 100
77 48.8 22.4 41.6#

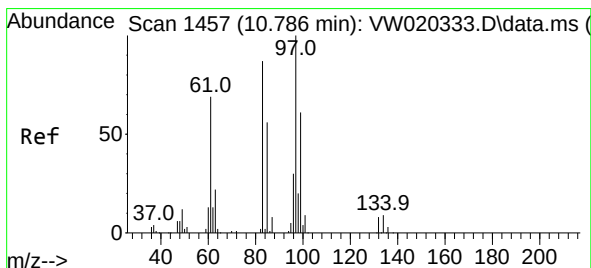
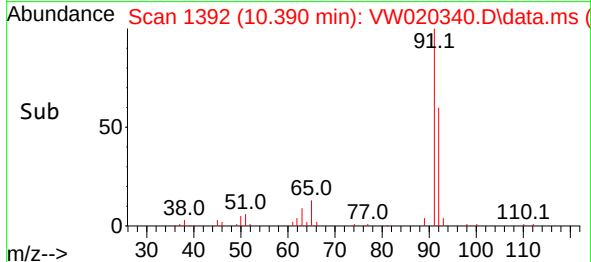
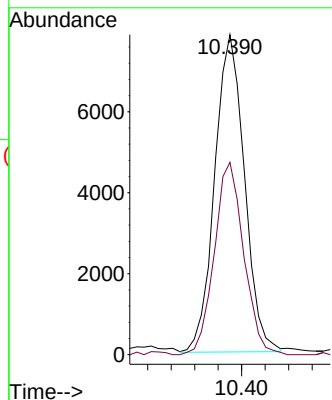
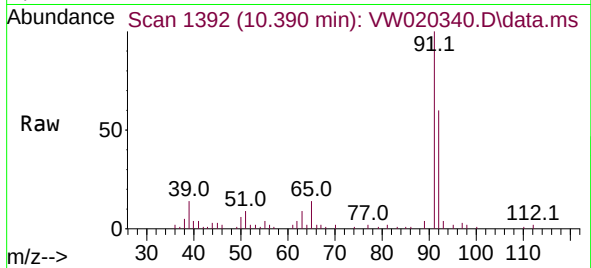




#42
Toluene
Concen: 1.333 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

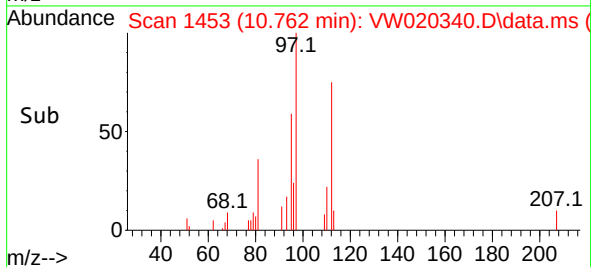
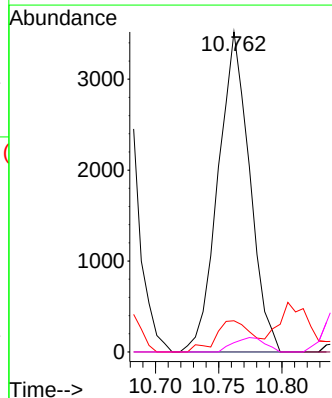
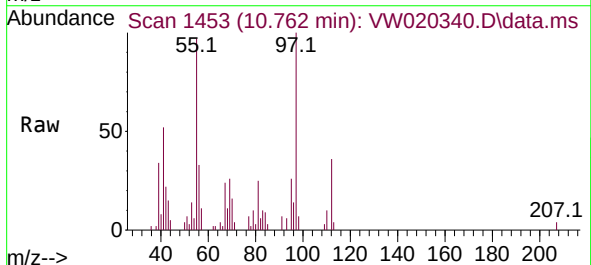
Instrument :
MSVOA_W
ClientSampled :

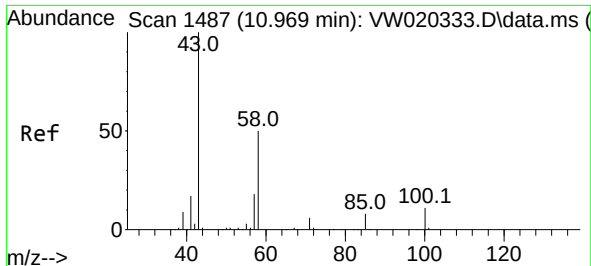
Tgt Ion: 91 Resp: 13790
Ion Ratio Lower Upper
91 100
92 60.1 41.5 77.1



#45
1,1,2-Trichloroethane
Concen: 3.759 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion: 97 Resp: 6092
Ion Ratio Lower Upper
97 100
99 0.0 42.8 79.4#
83 9.7 60.9 113.1#
85 2.9 39.6 73.6#

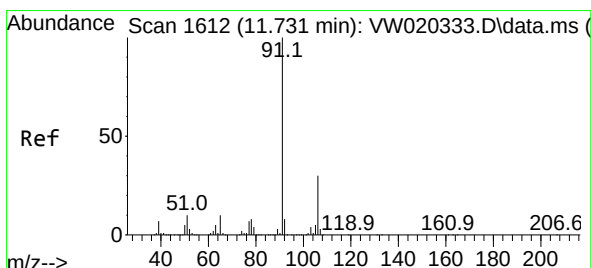
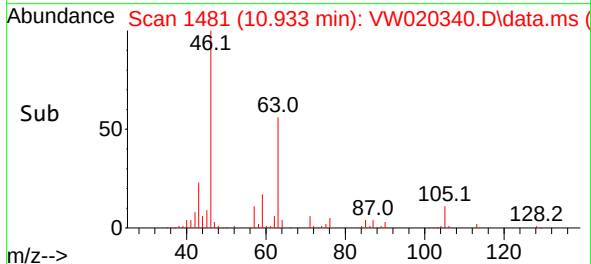
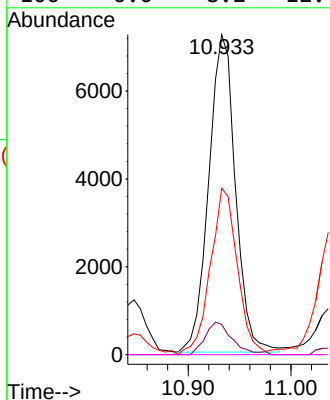
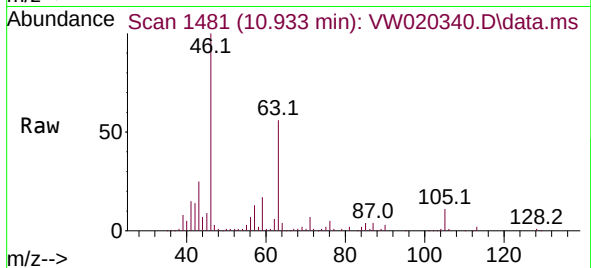




#48
2-Hexanone
Concen: 12.778 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

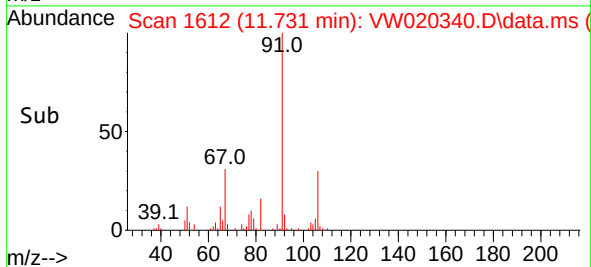
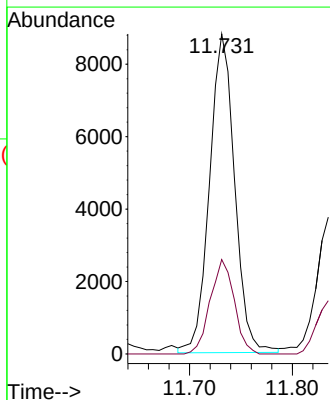
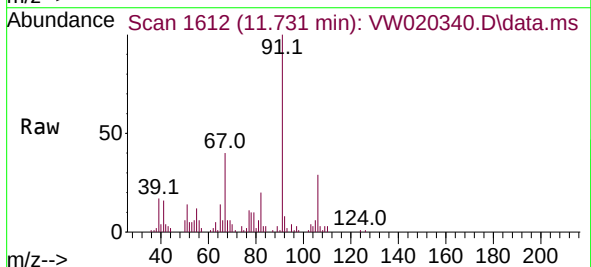
Instrument :
MSVOA_W
ClientSampleId :

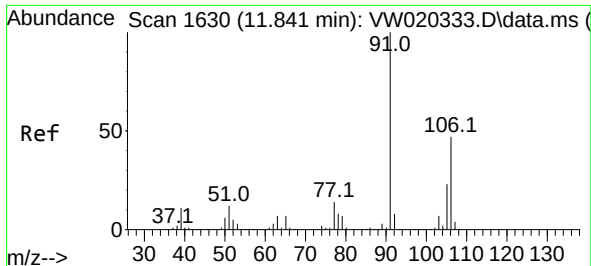
Tgt Ion:	43	Resp:	13046
Ion	Ratio	Lower	Upper
43	100		
58	10.2	39.5	59.3#
57	52.8	14.2	21.4#
100	0.0	8.2	12.4#



#52
Ethylbenzene
Concen: 1.322 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion:	91	Resp:	14927
Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.3	39.5

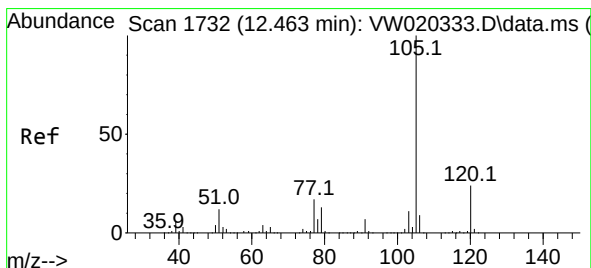
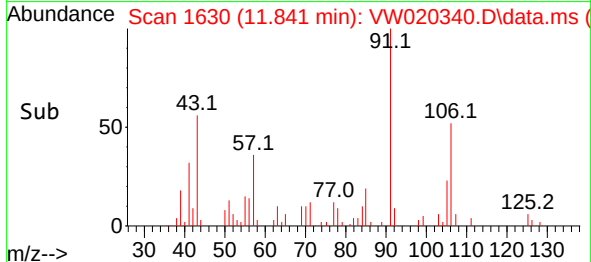
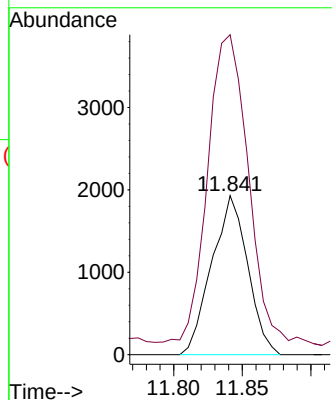
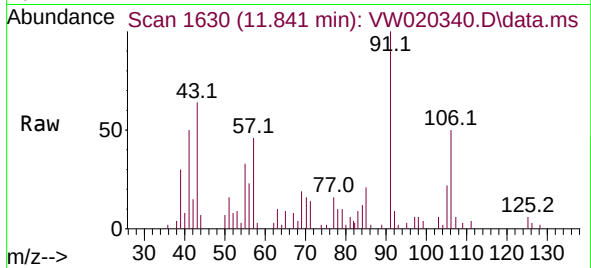




#53
m,p-Xylene
Concen: 0.845 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

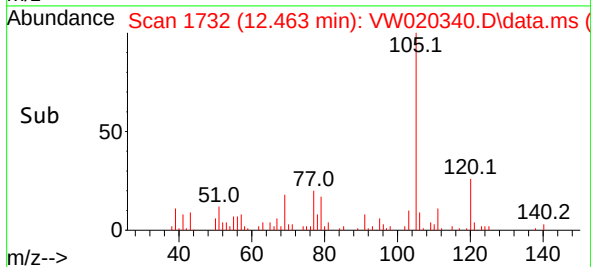
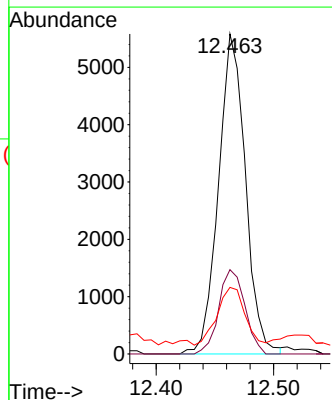
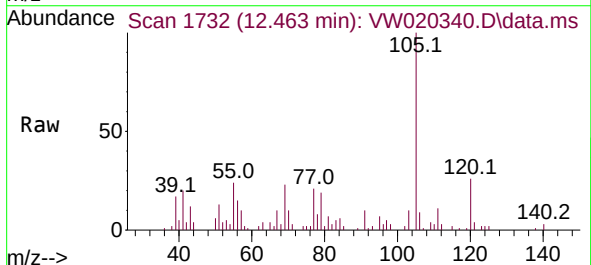
Instrument :
MSVOA_W
ClientSampled :

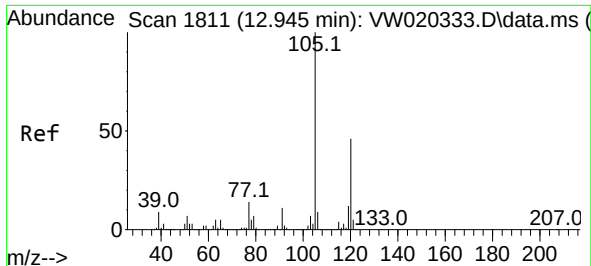
Tgt Ion:106 Resp: 3523
Ion Ratio Lower Upper
106 100
91 201.2 148.2 275.2



#60
Isopropylbenzene
Concen: 1.958 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion:105 Resp: 8904
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5
77 18.4 13.8 20.6

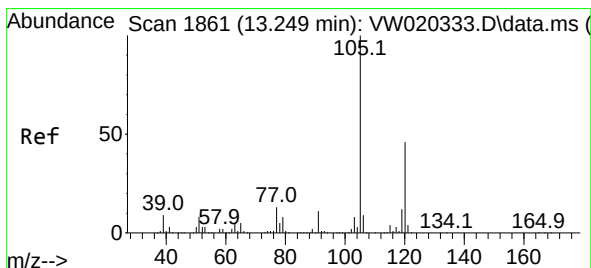
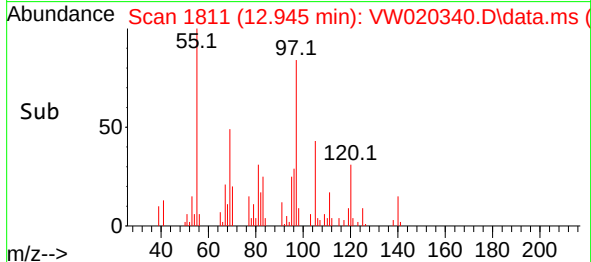
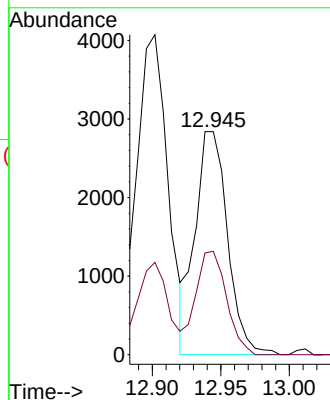
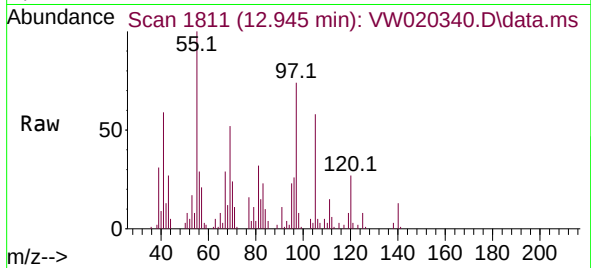




#62
1,3,5-Trimethylbenzene
Concen: 1.273 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 4683
Ion Ratio Lower Upper
105 100
120 44.2 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 1.026 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020340.D
Acq: 07 Oct 2021 02:39

Tgt Ion:105 Resp: 3773
Ion Ratio Lower Upper
105 100
120 38.2 35.4 53.2

