

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020325.D
 Acq On : 06 Oct 2021 20:11
 Operator : SY/VA
 Sample : M4001-09
 Misc : 6.06g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 01:55:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	204140	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	125717	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	27010	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	78362	27.852	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.400%
7) Chloroethane-d5	2.885	69	45392	37.234	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	148.920%
11) 1,1-Dichloroethene-d2	4.013	63	103723	17.902	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.600%
21) 2-Butanone-d5	7.086	46	13566	18.981	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	37.960%
24) Chloroform-d	7.653	84	169427	28.905	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.600%
26) 1,2-Dichloroethane-d4	8.311	65	98221	30.618	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.480%
32) Benzene-d6	8.281	84	283260	37.214	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	148.840%#
36) 1,2-Dichloropropane-d6	9.275	67	98636	40.854	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	163.400%#
41) Toluene-d8	10.323	98	180084	26.121	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.480%
43) trans-1,3-Dichloroprop...	10.579	79	21435	21.820	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.280%
47) 2-Hexanone-d5	10.927	63	8398	25.167	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	50.340%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	57664	34.221	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	136.880%#
66) 1,2-Dichlorobenzene-d4	13.853	152	26066	27.560	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.240%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.032	96	1641	0.578	ug/L #	1
14) Carbon disulfide	4.385	76	7592	0.813	ug/L	97
15) Methyl Acetate	4.684	43	1749	1.302	ug/L #	68
16) Methylene chloride	4.922	84	8662	2.376	ug/L	95
19) 1,1-Dichloroethane	6.226	63	2690	0.455	ug/L	94
20) cis-1,2-Dichloroethene	7.171	96	4908	1.614	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	14835	4.920	ug/L	98
31) Carbon tetrachloride	7.872	117	1865	0.708	ug/L	95
34) Trichloroethene	9.092	95	46971	21.840	ug/L	99
35) Methylcyclohexane	9.281	83	24416	6.508	ug/L #	19
37) 1,2-Dichloropropane	9.275	63	11565	5.310	ug/L #	89
39) cis-1,3-Dichloropropene	10.037	75	1487	0.483	ug/L #	53
42) Toluene	10.390	91	8697	0.989	ug/L	98
45) 1,1,2-Trichloroethane	10.762	97	1361	0.988	ug/L #	24
46) Tetrachloroethene	10.860	164	2564	1.620	ug/L	91
48) 2-Hexanone	10.927	43	2478	2.855	ug/L #	51
53) m,p-Xylene	11.841	106	1197	0.338	ug/L	85
62) 1,3,5-Trimethylbenzene	12.939	105	1113	0.343	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	1780	0.549	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Thu Oct 07 01:49:38 2021
Response via : Initial Calibration

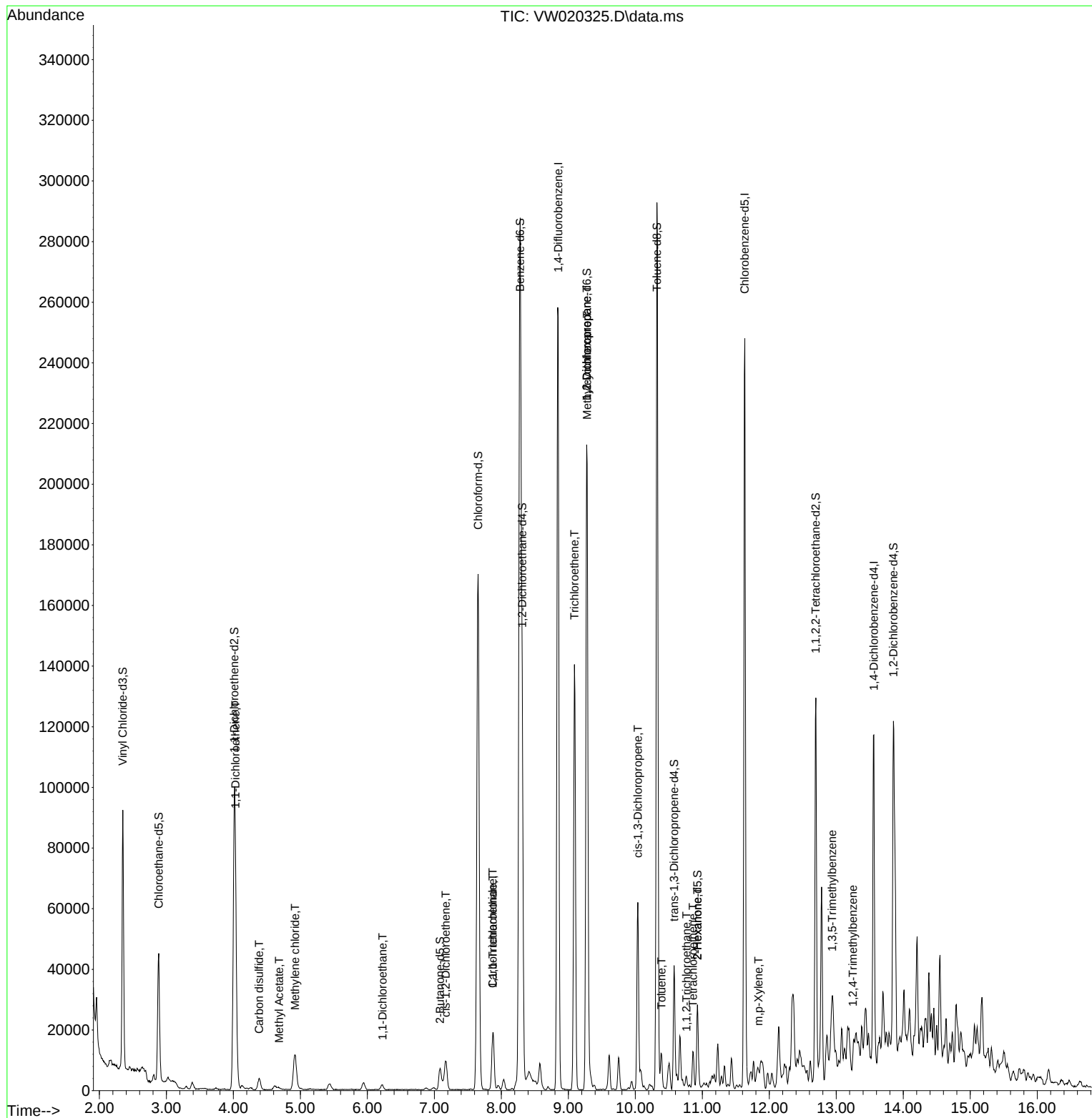
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

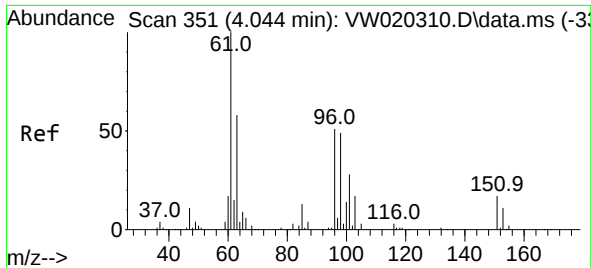
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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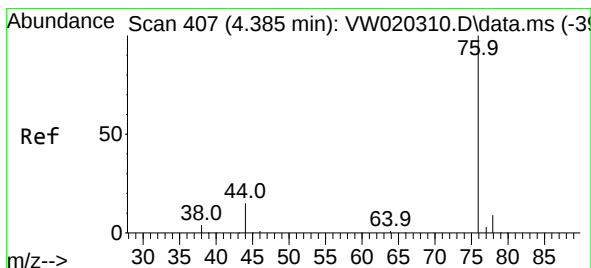
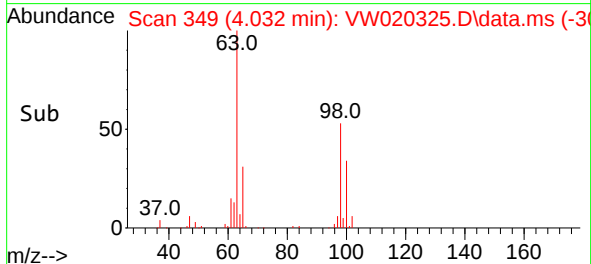
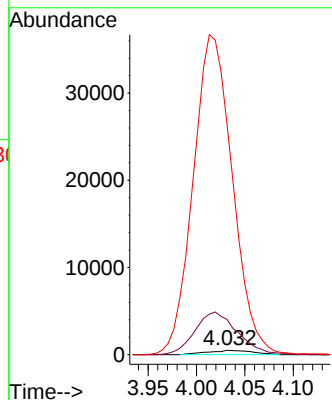
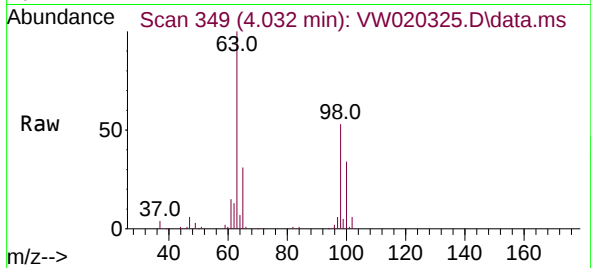




#12
1,1-Dichloroethene
Concen: 0.578 ug/L
RT: 4.032 min Scan# 349
Delta R.T. -0.012 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

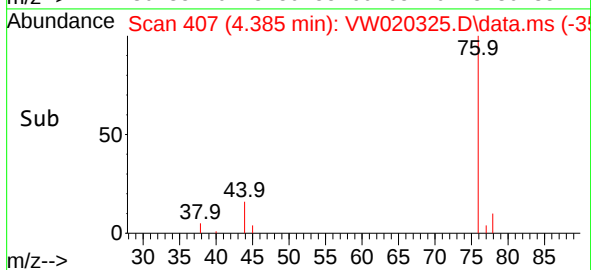
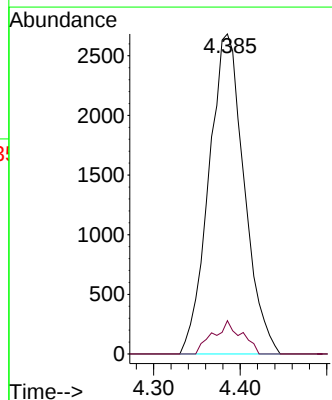
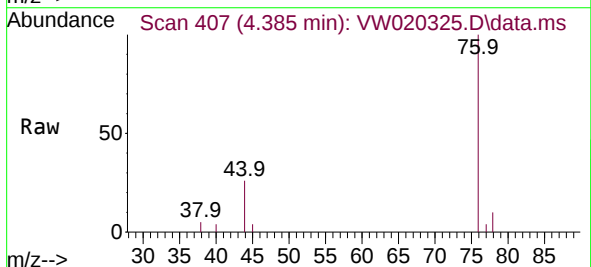
Instrument :
MSVOA_W
ClientSampled :

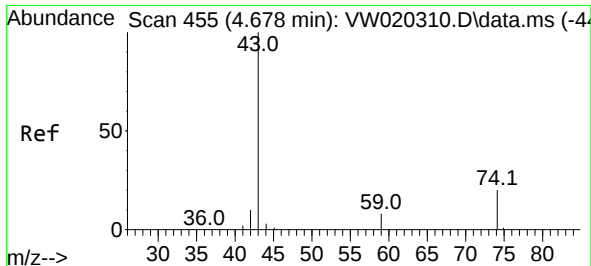
Tgt Ion: 96 Resp: 1641
Ion Ratio Lower Upper
96 100
61 775.4 133.9 248.7#
63 5070.8 77.3 143.7#



#14
Carbon disulfide
Concen: 0.813 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

Tgt Ion: 76 Resp: 7592
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2

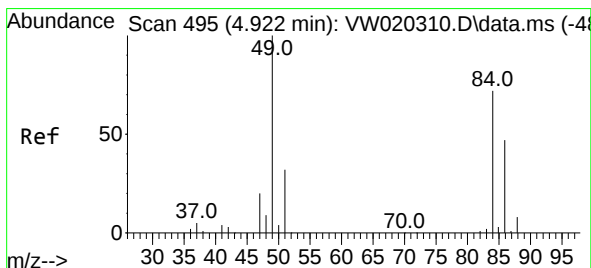
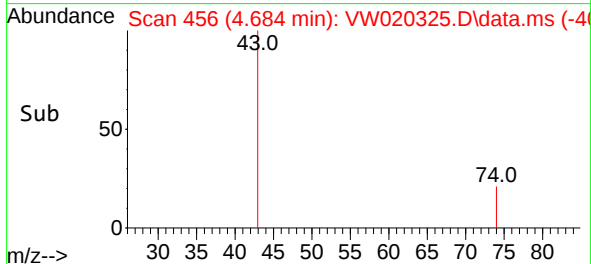
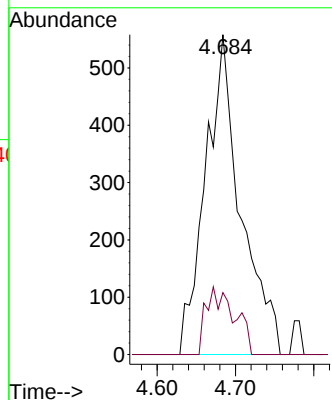
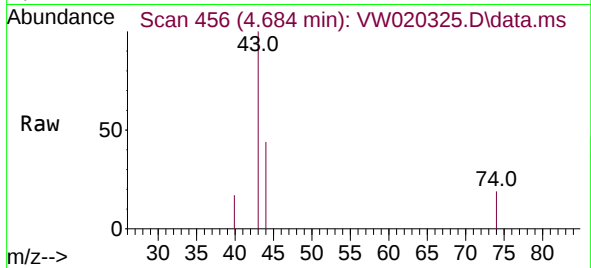




#15
Methyl Acetate
Concen: 1.302 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

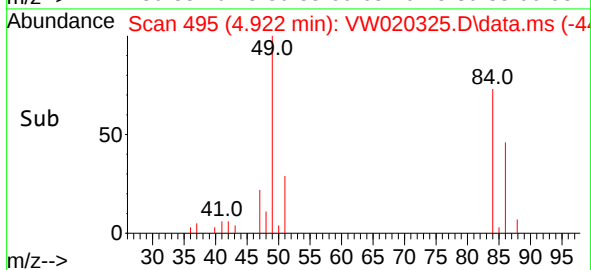
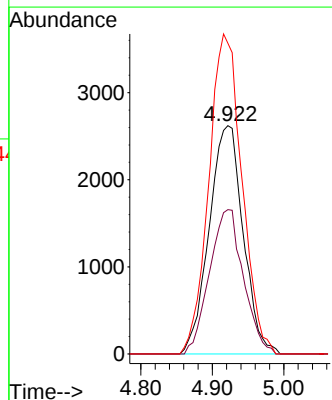
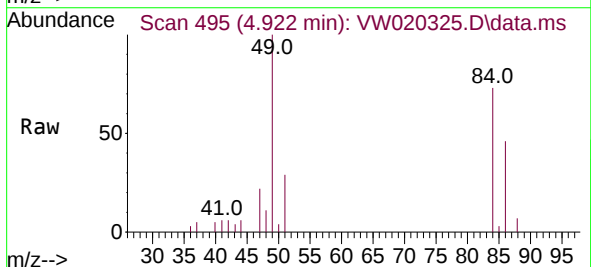
Instrument :
MSVOA_W
ClientSampled :

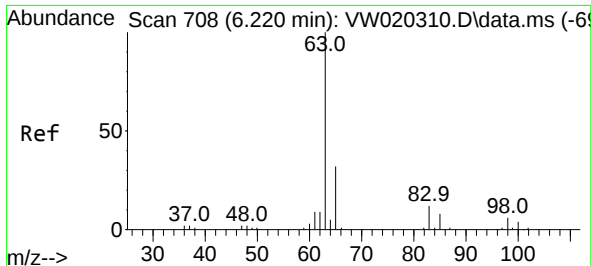
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
74 5.4 16.1 24.1#



#16
Methylene chloride
Concen: 2.376 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

Tgt Ion: 84 Resp: 8662
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 136.1 101.7 188.9





#19

1,1-Dichloroethane

Concen: 0.455 ug/L

RT: 6.226 min Scan# 709

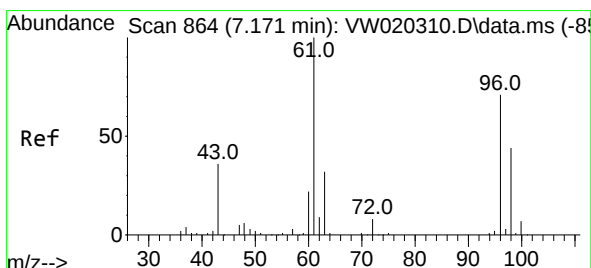
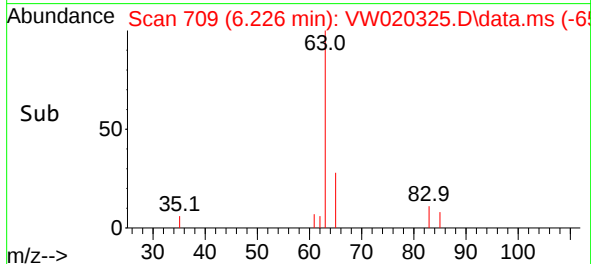
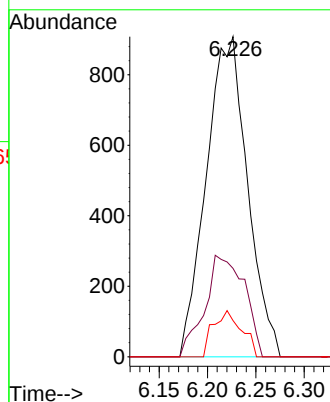
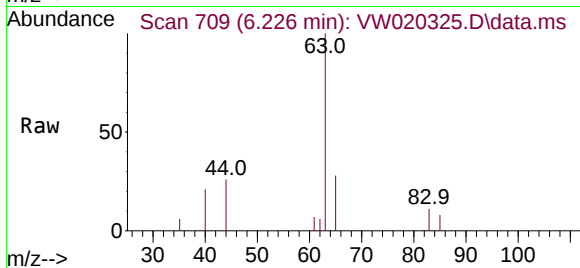
Delta R.T. 0.006 min

Lab File: VW020325.D

Acq: 06 Oct 2021 20:11

Tgt Ion:	63	Resp:	2690
Ion	Ratio	Lower	Upper
63	100		
65	27.6	21.9	40.7
83	11.3	9.0	16.6

Instrument :
MSVOA_W
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 1.614 ug/L

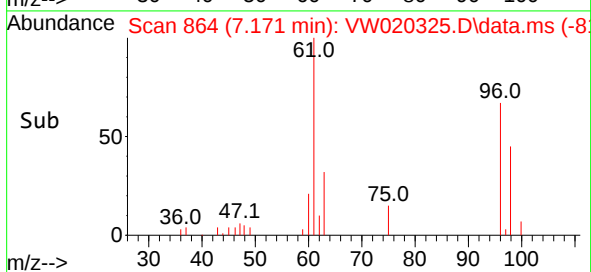
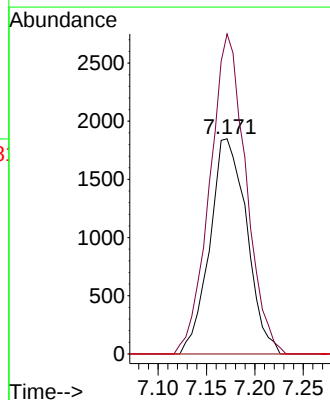
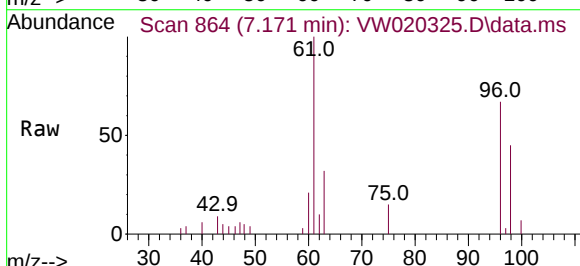
RT: 7.171 min Scan# 864

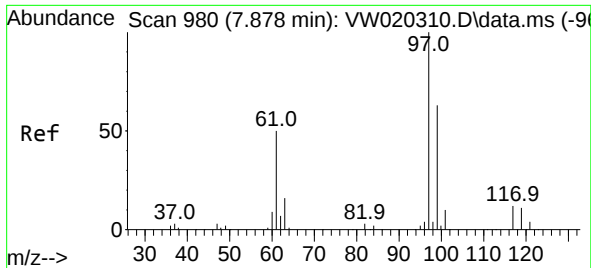
Delta R.T. 0.000 min

Lab File: VW020325.D

Acq: 06 Oct 2021 20:11

Tgt Ion:	96	Resp:	4908
Ion	Ratio	Lower	Upper
96	100		
61	148.7	100.3	186.3
68	0.0	0.0	0.0

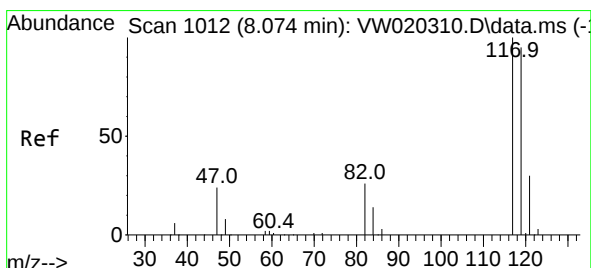
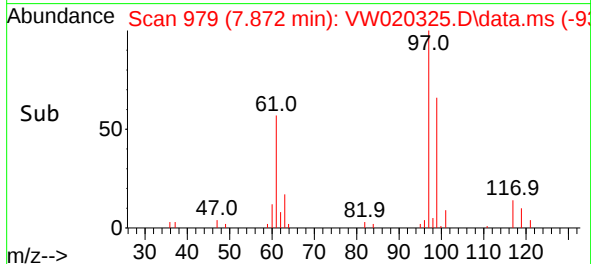
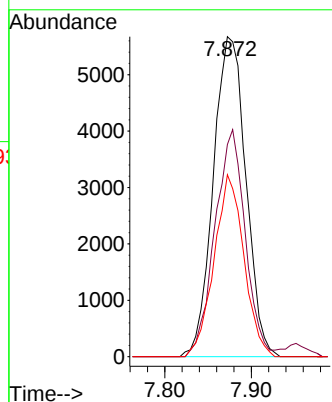
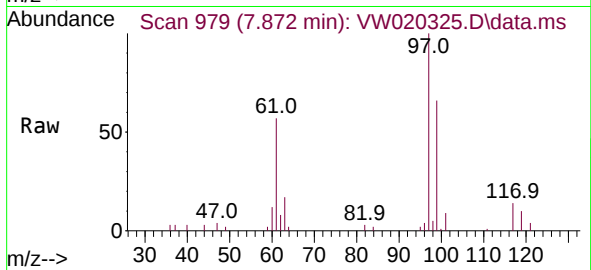




#30
1,1,1-Trichloroethane
Concen: 4.920 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.006 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

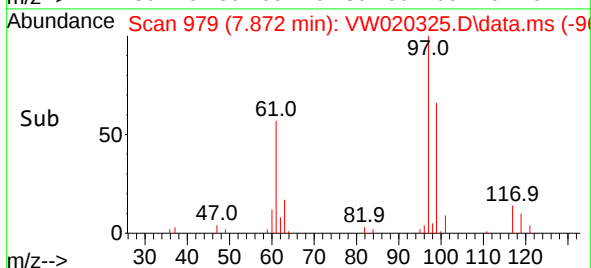
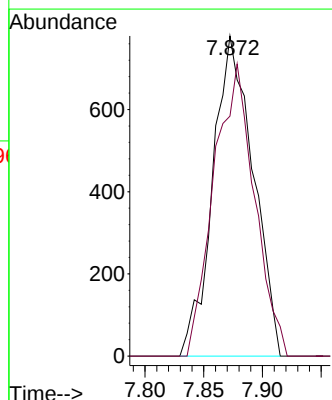
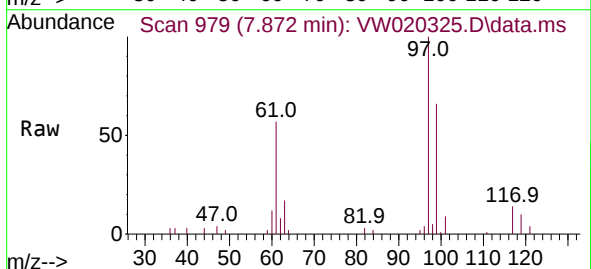
Instrument :
MSVOA_W
ClientSampled :

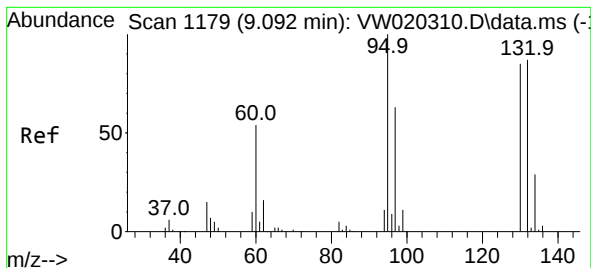
Tgt Ion: 97	Resp: 14835
Ion Ratio	Lower Upper
97 100	
99 66.0	51.4 77.0
61 52.0	41.0 61.6



#31
Carbon tetrachloride
Concen: 0.708 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.201 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

Tgt Ion: 117	Resp: 1865
Ion Ratio	Lower Upper
117 100	
119 91.7	77.0 115.4





#34

Trichloroethene

Concen: 21.840 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW020325.D

Acq: 06 Oct 2021 20:11

Tgt Ion: 95 Resp: 46971

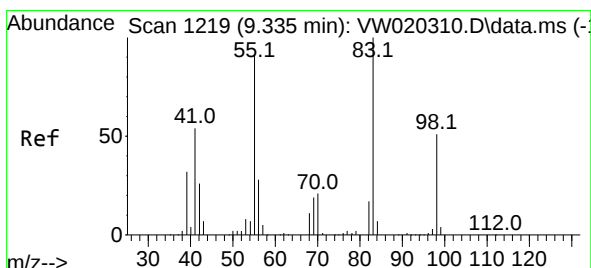
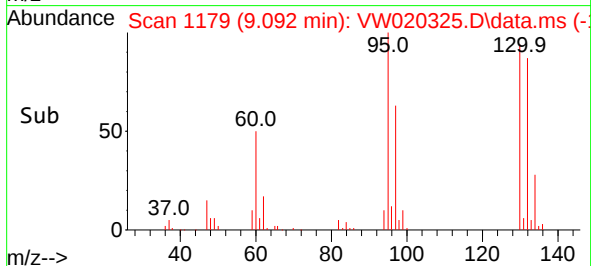
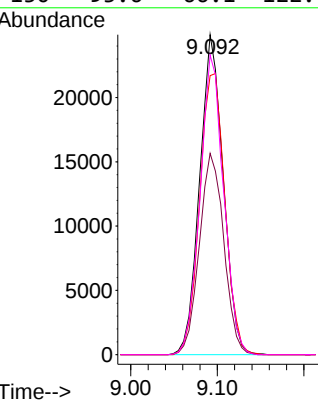
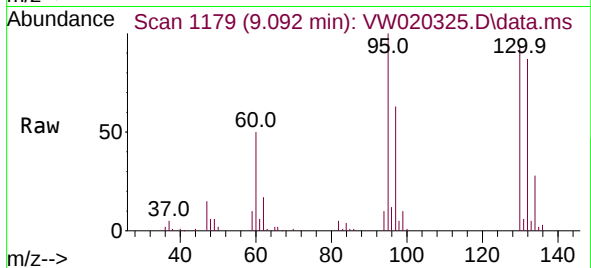
Ion Ratio Lower Upper

95 100

97 62.9 43.2 80.2

132 87.2 62.3 115.7

130 93.6 66.1 122.7



#35

Methylcyclohexane

Concen: 6.508 ug/L

RT: 9.281 min Scan# 1210

Delta R.T. -0.055 min

Lab File: VW020325.D

Acq: 06 Oct 2021 20:11

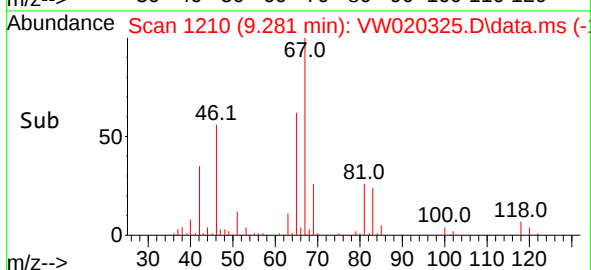
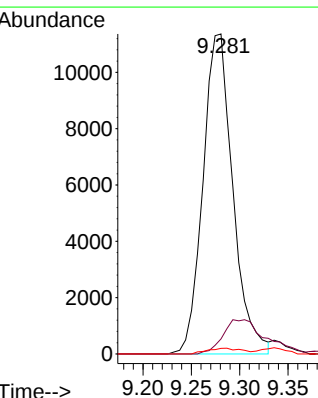
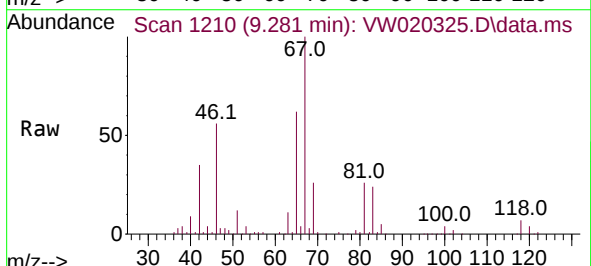
Tgt Ion: 83 Resp: 24416

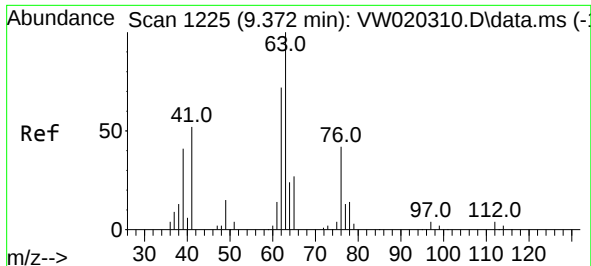
Ion Ratio Lower Upper

83 100

55 6.5 69.7 104.5#

98 1.5 38.2 57.2#

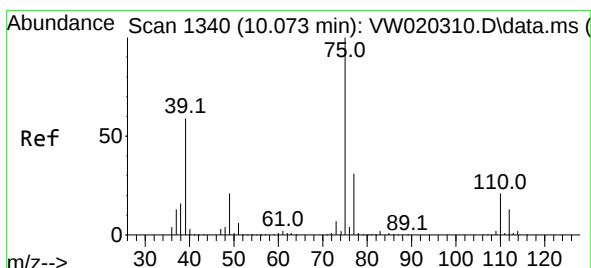
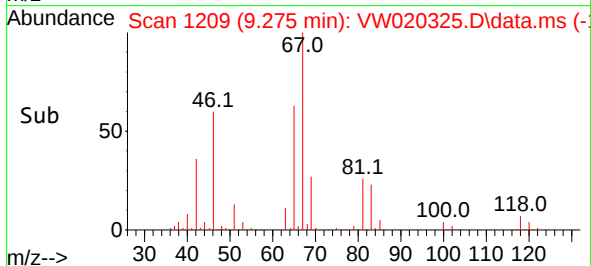
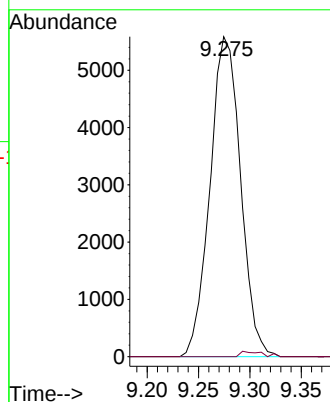
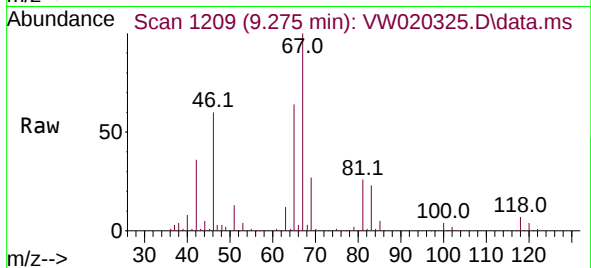




#37
1,2-Dichloropropane
Concen: 5.310 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

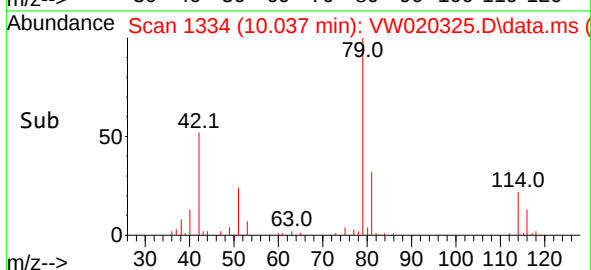
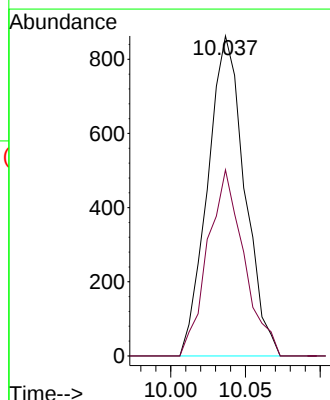
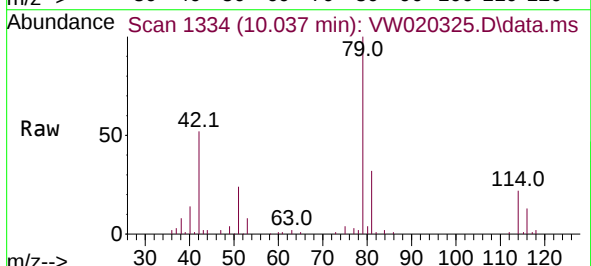
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ClientSampled :

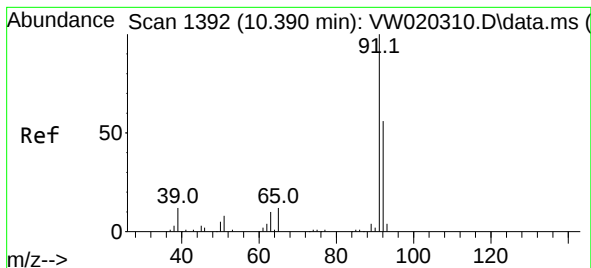
Tgt Ion: 63 Resp: 11565
Ion Ratio Lower Upper
63 100
112 0.7 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.483 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

Tgt Ion: 75 Resp: 1487
Ion Ratio Lower Upper
75 100
77 58.2 22.4 41.6#





#42

Toluene

Concen: 0.989 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW020325.D

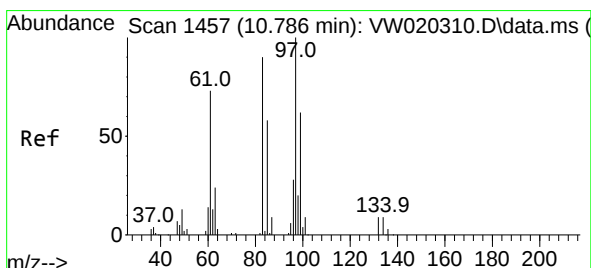
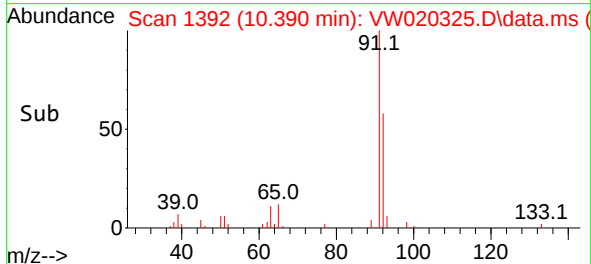
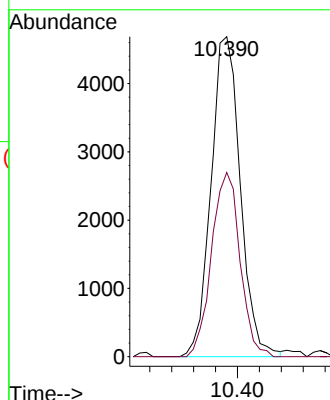
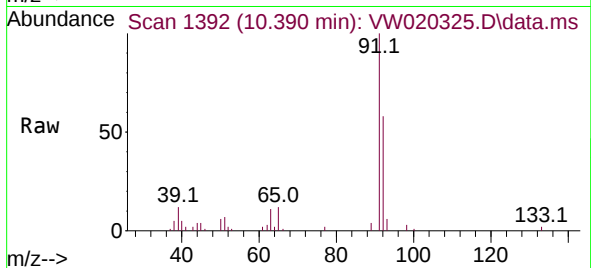
Acq: 06 Oct 2021 20:11

Tgt Ion: 91 Resp: 8697

Ion Ratio Lower Upper

91 100

92 57.5 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.988 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW020325.D

Acq: 06 Oct 2021 20:11

Tgt Ion: 97 Resp: 1361

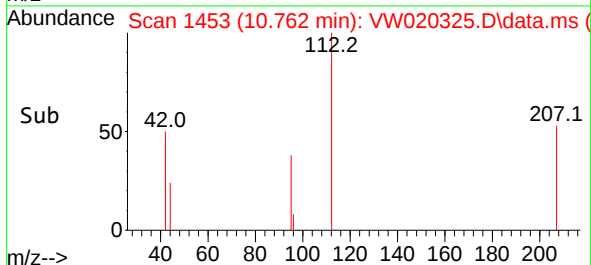
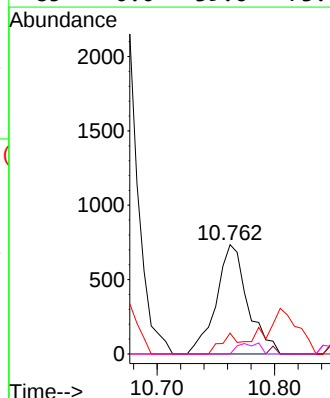
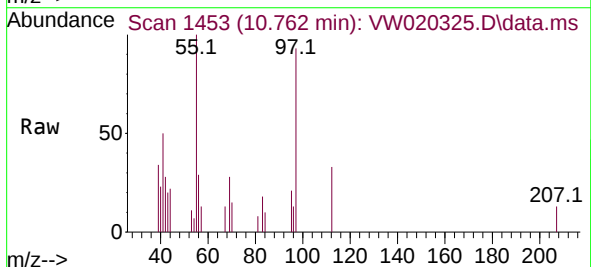
Ion Ratio Lower Upper

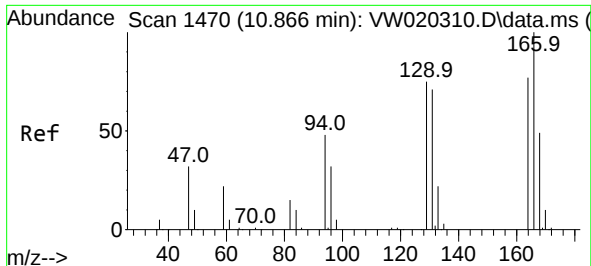
97 100

99 0.0 42.8 79.4#

83 19.0 60.9 113.1#

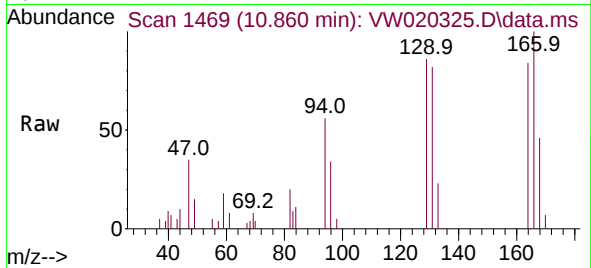
85 0.0 39.6 73.6#



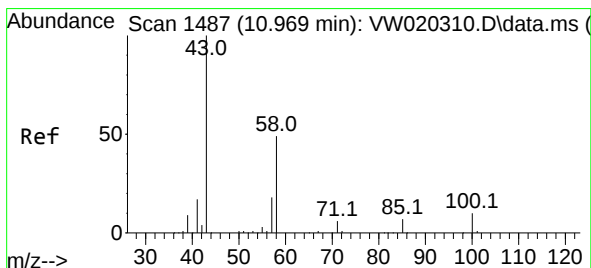
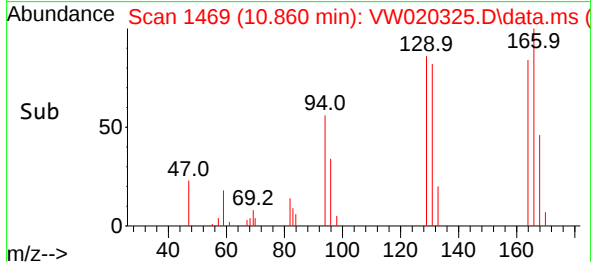
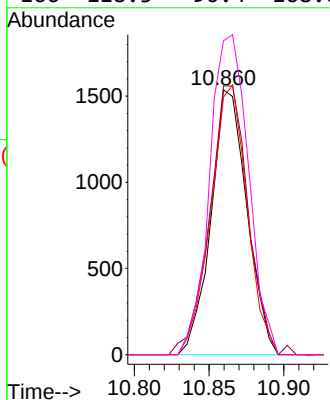


#46
Tetrachloroethene
Concen: 1.620 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

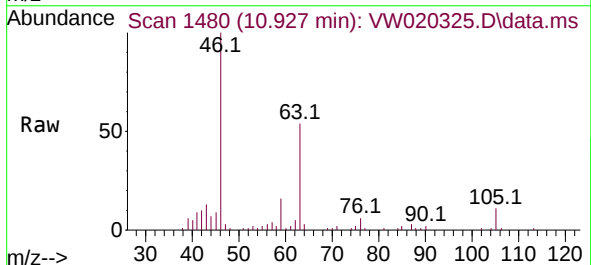
Instrument :
MSVOA_W
ClientSampleId :



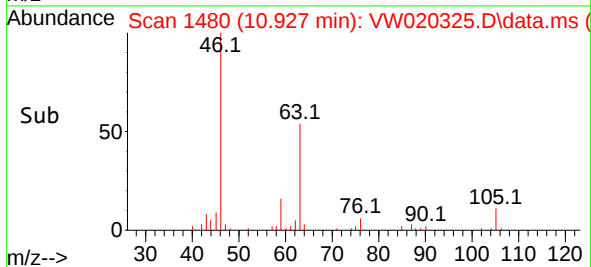
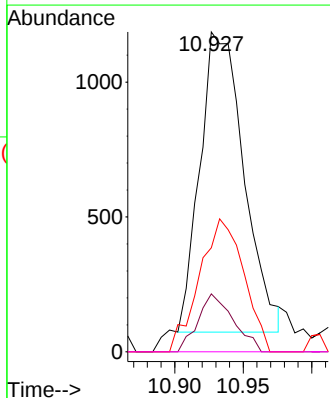
Tgt Ion:	164	Resp:	2564
Ion	Ratio	Lower	Upper
164	100		
129	101.4	69.1	128.3
131	97.2	58.3	108.3
166	118.5	90.4	168.0

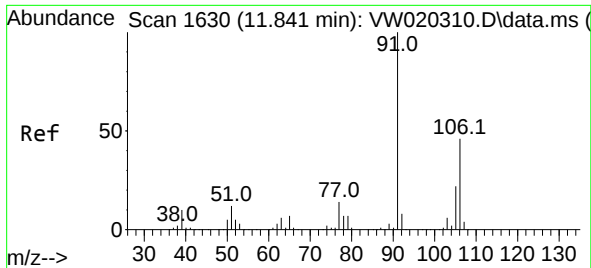


#48
2-Hexanone
Concen: 2.855 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11



Tgt Ion:	43	Resp:	2478
Ion	Ratio	Lower	Upper
43	100		
58	15.6	39.5	59.3#
57	44.6	14.2	21.4#
100	0.0	8.2	12.4#

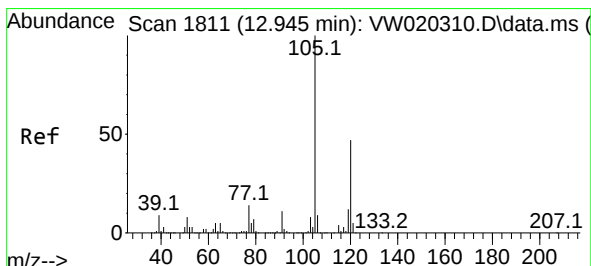
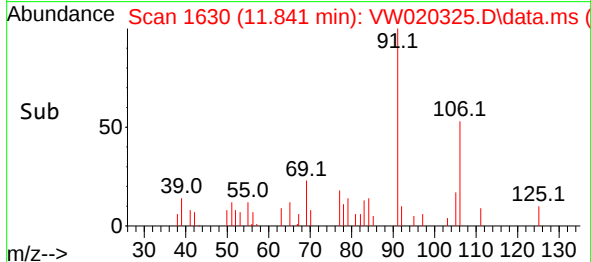
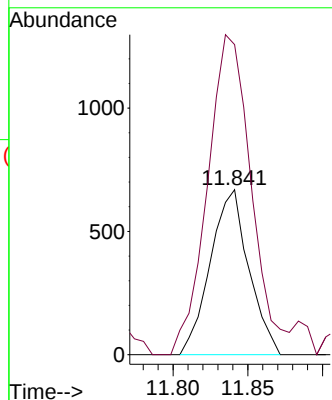
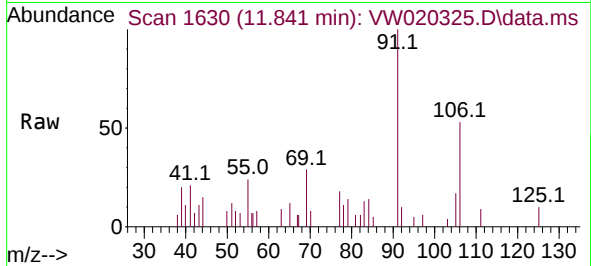




#53
m,p-Xylene
Concen: 0.338 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

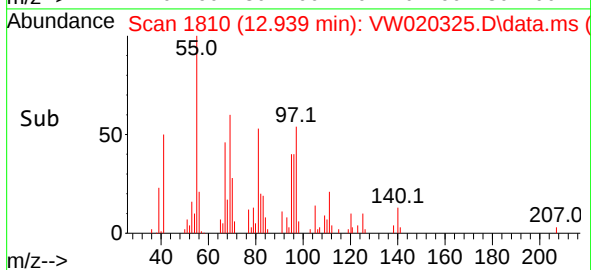
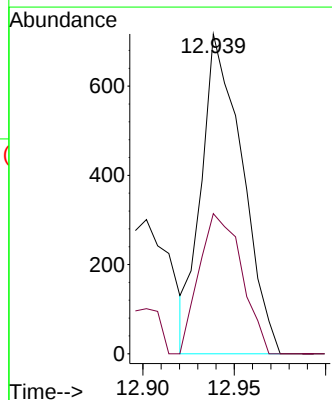
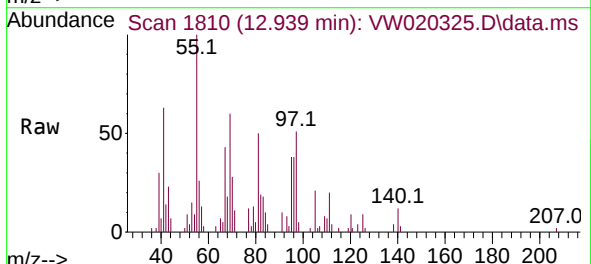
Instrument :
MSVOA_W
ClientSampled :

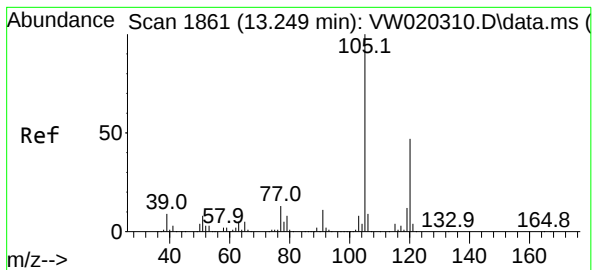
Tgt Ion:106 Resp: 1197
Ion Ratio Lower Upper
106 100
91 188.0 148.2 275.2



#62
1,3,5-Trimethylbenzene
Concen: 0.343 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW020325.D
Acq: 06 Oct 2021 20:11

Tgt Ion:105 Resp: 1113
Ion Ratio Lower Upper
105 100
120 45.7 37.9 56.9





#63
 1,2,4-Trimethylbenzene
 Concen: 0.549 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW020325.D
 Acq: 06 Oct 2021 20:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:105 Resp: 1780
 Ion Ratio Lower Upper
 105 100
 120 42.4 35.4 53.2

