

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021631.D
 Acq On : 23 Dec 2021 23:05
 Operator : SY/VA
 Sample : M5214-08RE
 Misc : 6.34g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 01:48:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	109810	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	80322	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	29315	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	26709	13.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.440%
7) Chloroethane-d5	2.885	69	20345	15.388	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.560%
11) 1,1-Dichloroethene-d2	4.037	63	334092	125.303	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	501.200%#
21) 2-Butanone-d5	7.080	46	17359	61.576	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.160%
24) Chloroform-d	7.653	84	64664	21.131	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.520%
26) 1,2-Dichloroethane-d4	8.305	65	35133	21.583	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.320%
32) Benzene-d6	8.274	84	111442	25.312	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.240%
36) 1,2-Dichloropropane-d6	9.274	67	32469	27.498	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.000%
41) Toluene-d8	10.323	98	94521	21.012	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.040%
43) trans-1,3-Dichloroprop...	10.579	79	10688	19.659	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.640%
47) 2-Hexanone-d5	10.926	63	11379	65.171	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.340%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	23484	23.136	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	19966	17.574	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.280%#
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.037	96	589074	432.780	ug/L #	62
13) Acetone	4.135	43	3757	14.866	ug/L	95
14) Carbon disulfide	4.385	76	7080	2.014	ug/L	98
19) 1,1-Dichloroethane	6.220	63	1218536	526.898	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	36383	23.405	ug/L	70
27) 1,2-Dichloroethane	8.402	62	4223	2.484	ug/L #	94
33) Benzene	8.323	78	4938	1.129	ug/L	100
34) Trichloroethene	9.091	95	761903	620.299	ug/L	95
35) Methylcyclohexane	9.274	83	9071	4.477	ug/L #	14
37) 1,2-Dichloropropane	9.274	63	4249	4.354	ug/L #	88
39) cis-1,3-Dichloropropene	10.030	75	1024	0.666	ug/L #	75
42) Toluene	10.390	91	11353	2.218	ug/L	92
45) 1,1,2-Trichloroethane	10.859	97	6202	7.764	ug/L #	21
46) Tetrachloroethene	10.865	164	697901	598.121	ug/L	98
48) 2-Hexanone	10.920	43	2034	5.274	ug/L #	63
61) 1,2,3-Trichloropropane	13.554	75	3087	7.236	ug/L #	66
71) Naphthalene	15.365	128	13190	7.188	ug/L	98

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Quant Time: Dec 24 01:48:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration

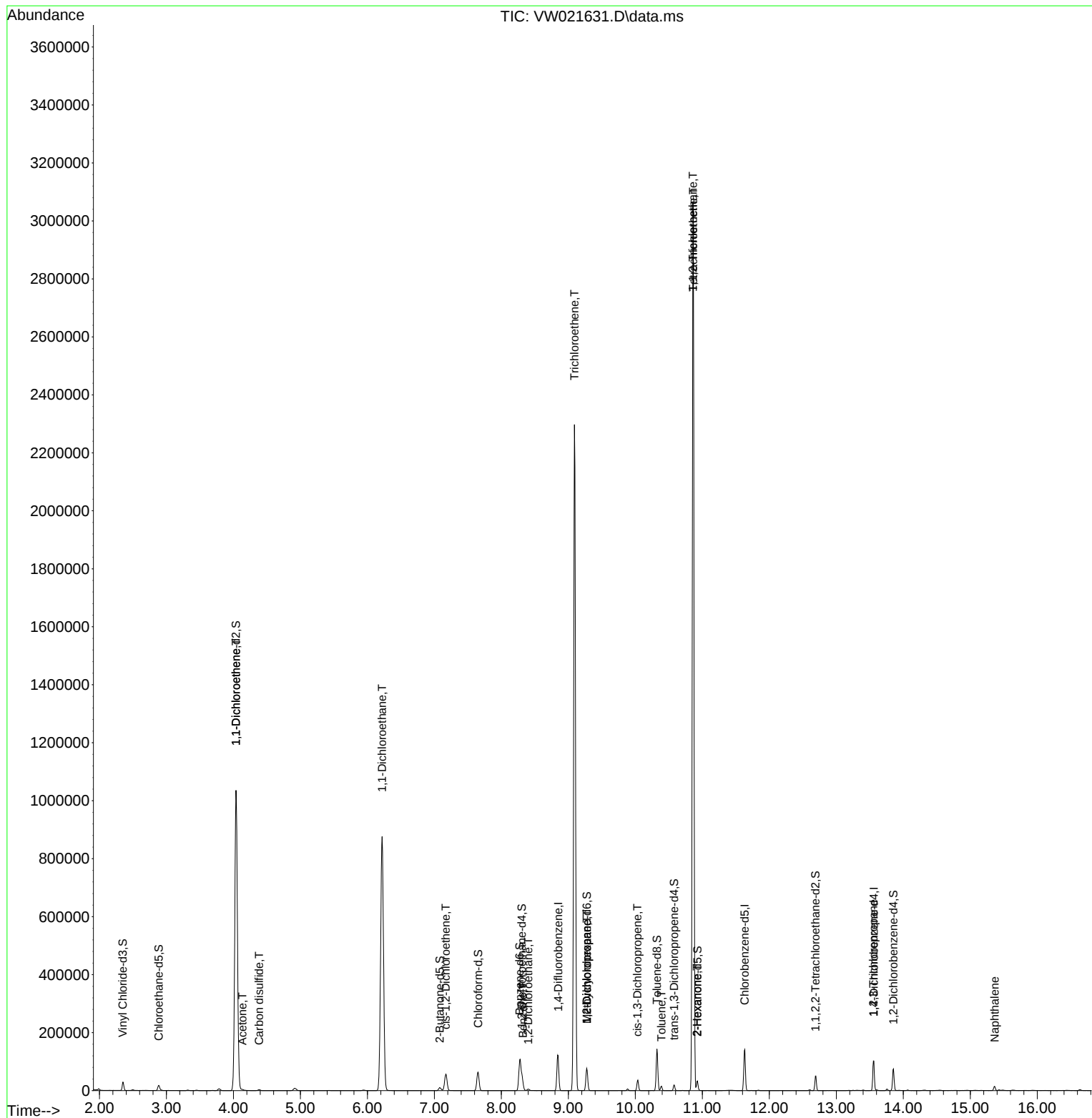
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

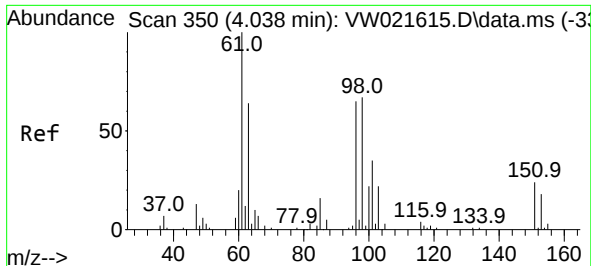
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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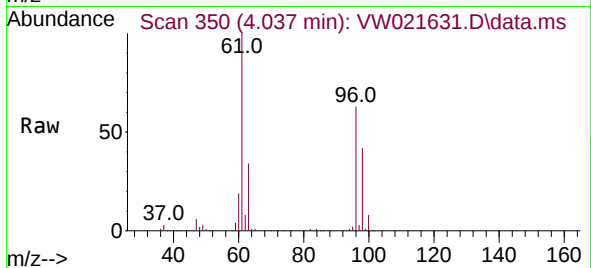
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Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration



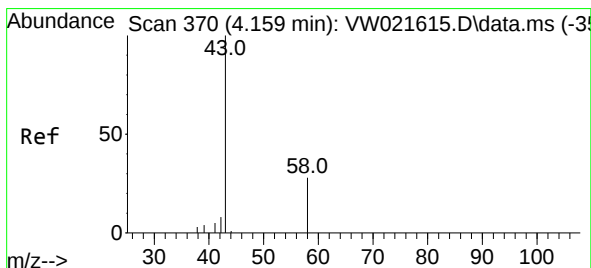
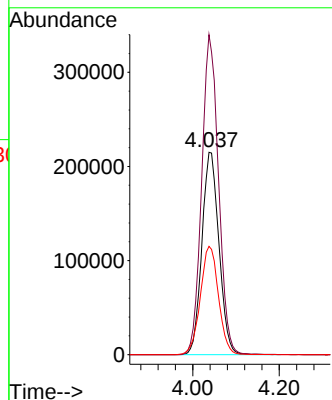
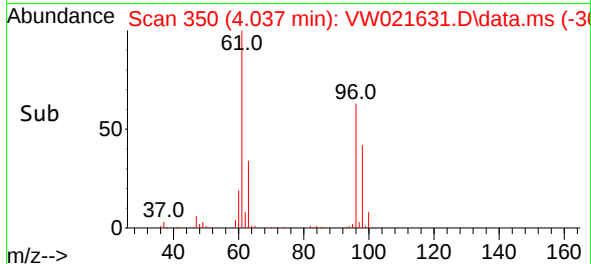


#12
1,1-Dichloroethene
Concen: 432.780 ug/L
RT: 4.037 min Scan# 311
Delta R.T. -0.000 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Instrument :
MSVOA_W
ClientSampleId :

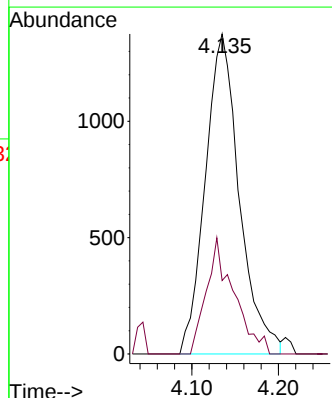
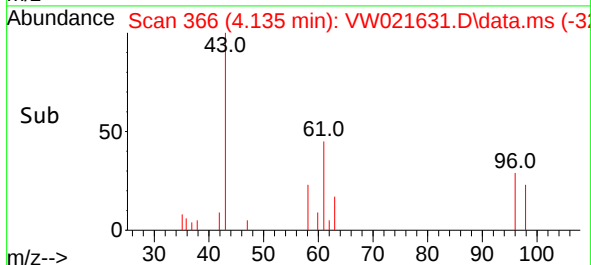
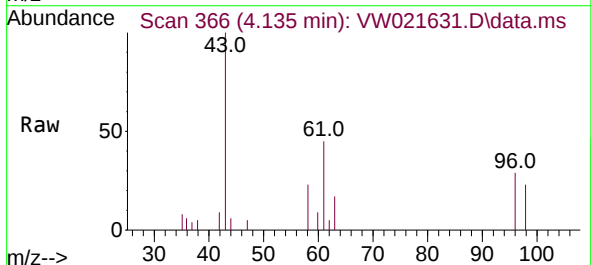


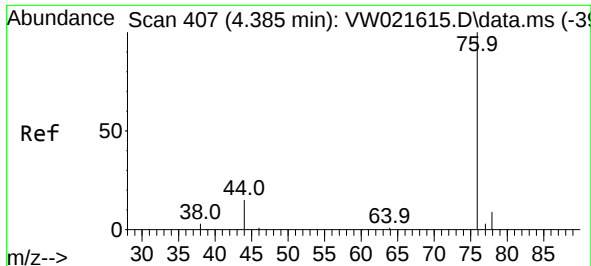
Tgt Ion: 96 Resp: 589074
Ion Ratio Lower Upper
96 100
61 158.1 138.3 256.9
63 53.5 82.6 153.4#



#13
Acetone
Concen: 14.866 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.025 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
58 28.7 0.0 52.8

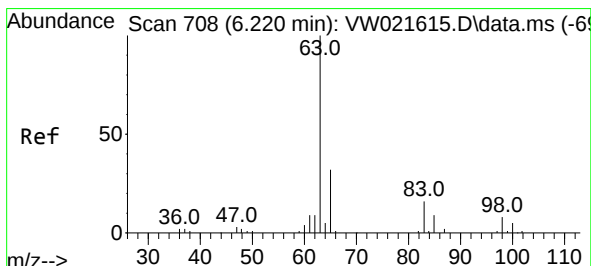
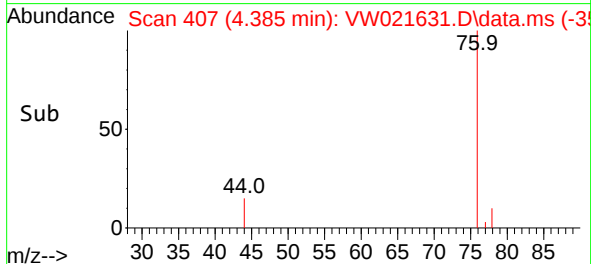
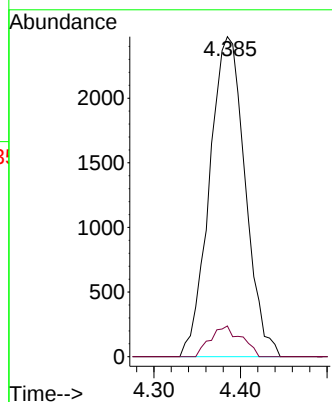
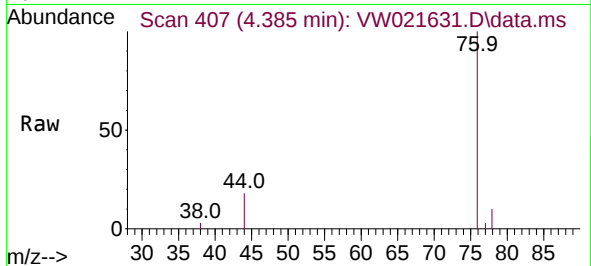




#14
Carbon disulfide
Concen: 2.014 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

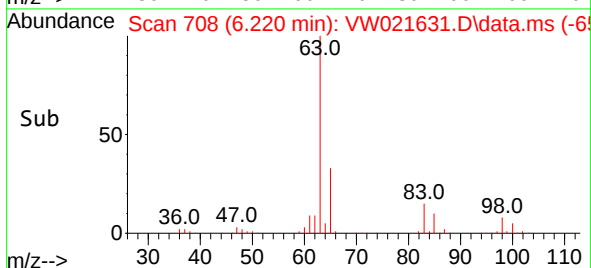
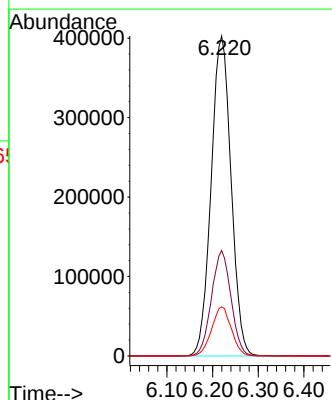
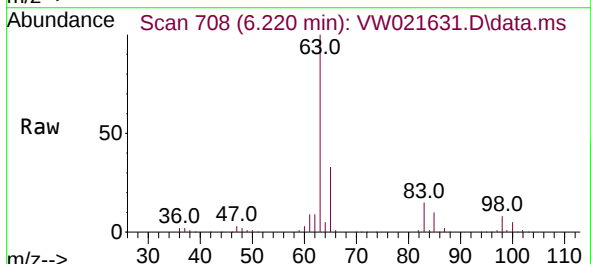
Instrument :
MSVOA_W
ClientSampleId :

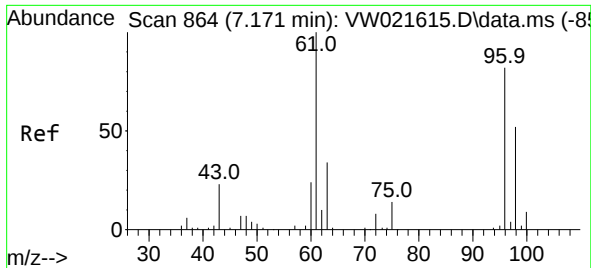
Tgt Ion: 76 Resp: 7080
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#19
1,1-Dichloroethane
Concen: 526.898 ug/L
RT: 6.220 min Scan# 708
Delta R.T. -0.000 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Tgt Ion: 63 Resp: 1218536
Ion Ratio Lower Upper
63 100
65 33.0 22.1 41.1
83 15.4 9.2 17.2

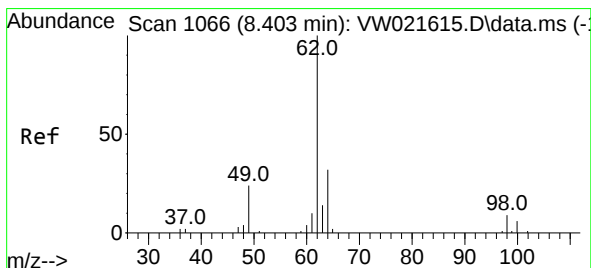
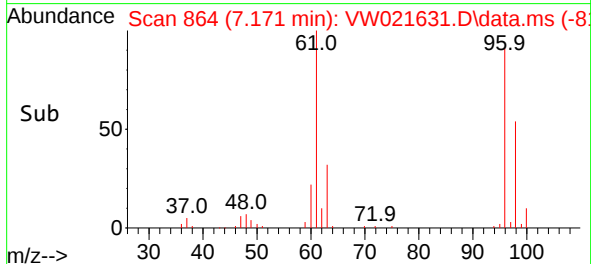
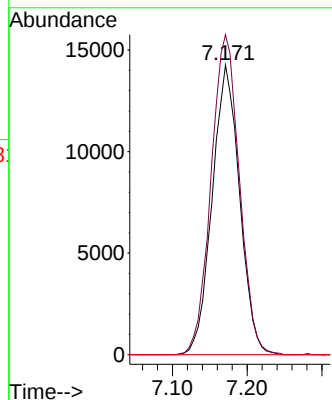
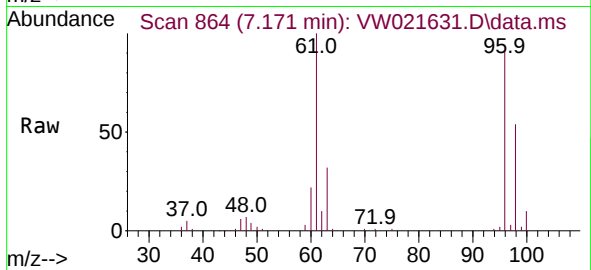




#20
 cis-1,2-Dichloroethene
 Concen: 23.405 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VW021631.D
 Acq: 23 Dec 2021 23:05

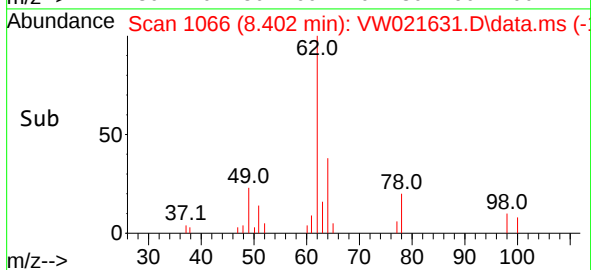
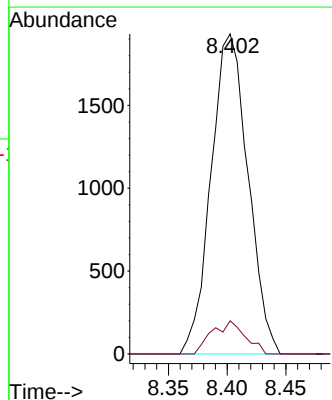
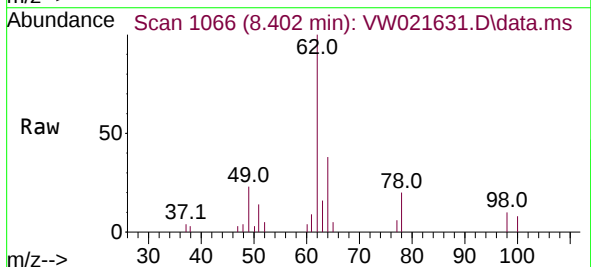
Instrument :
 MSVOA_W
 ClientSampleId :

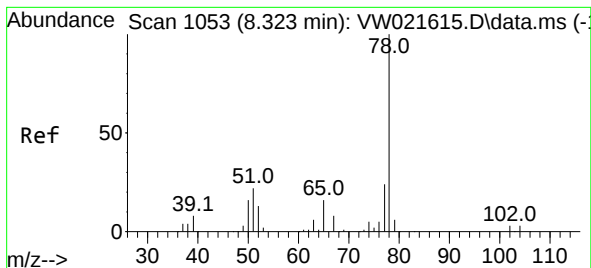
Tgt Ion: 96 Resp: 36383
 Ion Ratio Lower Upper
 96 100
 61 110.5 103.7 192.7
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 2.484 ug/L
 RT: 8.402 min Scan# 1066
 Delta R.T. -0.000 min
 Lab File: VW021631.D
 Acq: 23 Dec 2021 23:05

Tgt Ion: 62 Resp: 4223
 Ion Ratio Lower Upper
 62 100
 98 10.4 6.5 9.7#





#33

Benzene

Concen: 1.129 ug/L

RT: 8.323 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW021631.D

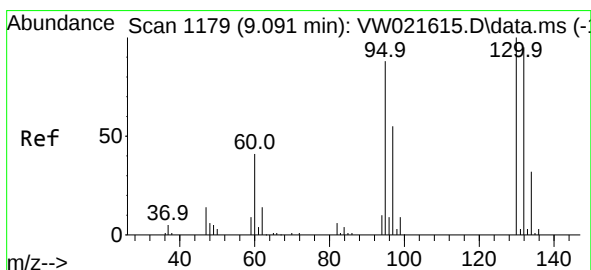
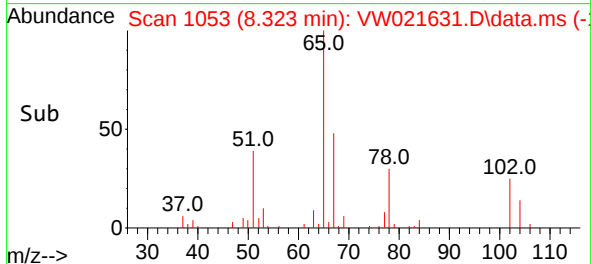
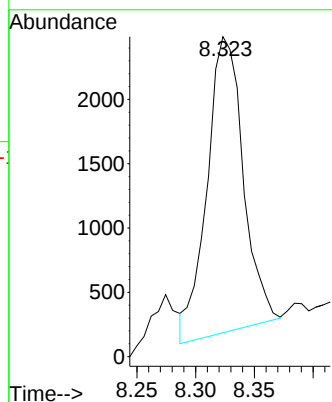
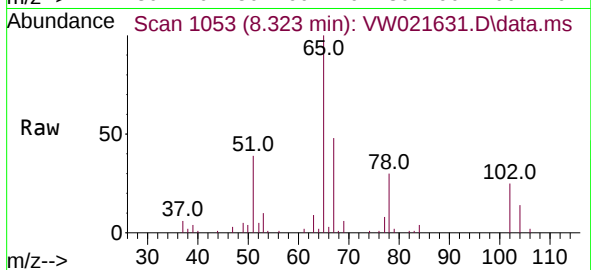
Acq: 23 Dec 2021 23:05

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 4938



#34

Trichloroethene

Concen: 620.299 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021631.D

Acq: 23 Dec 2021 23:05

Tgt Ion: 95 Resp: 761903

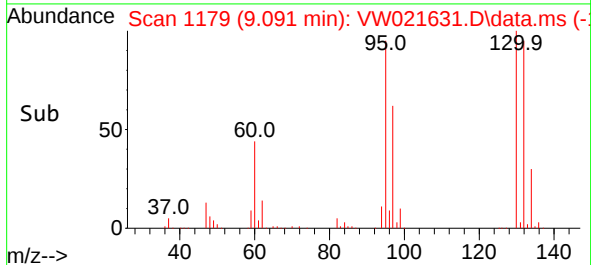
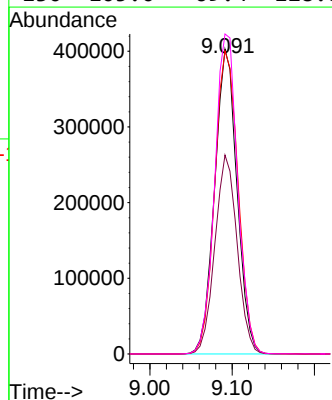
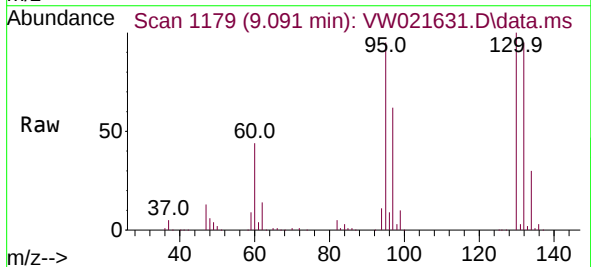
Ion Ratio Lower Upper

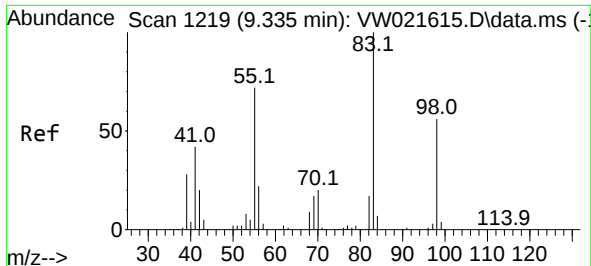
95 100

97 65.3 47.0 87.2

132 99.4 65.5 121.6

130 105.0 69.4 128.8





#35

Methylcyclohexane

Concen: 4.477 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021631.D

Acq: 23 Dec 2021 23:05

Instrument :

MSVOA_W

ClientSampleId :

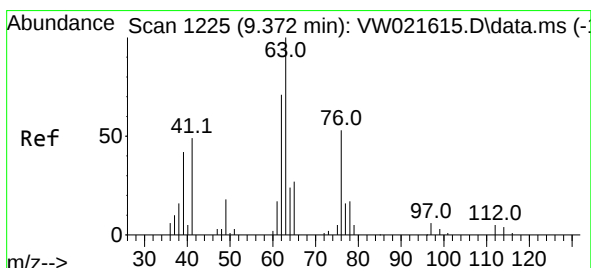
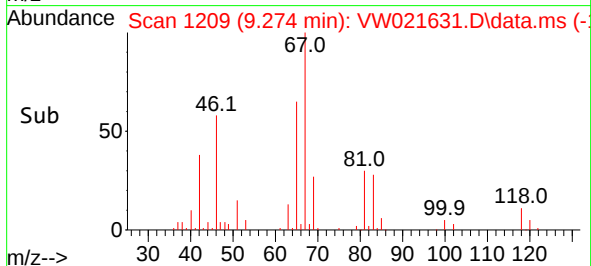
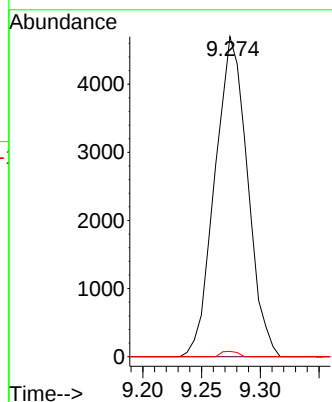
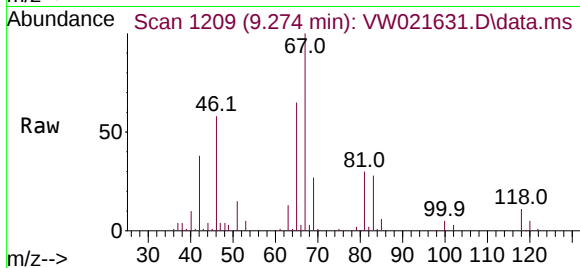
Tgt Ion: 83 Resp: 9071

Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 0.8 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 4.354 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.098 min

Lab File: VW021631.D

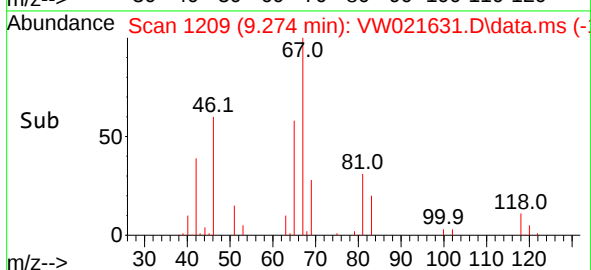
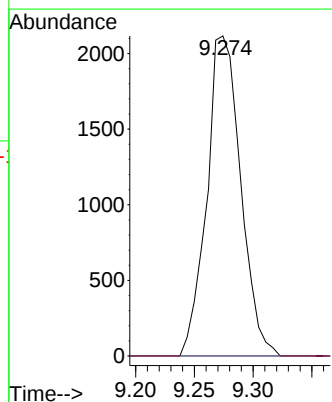
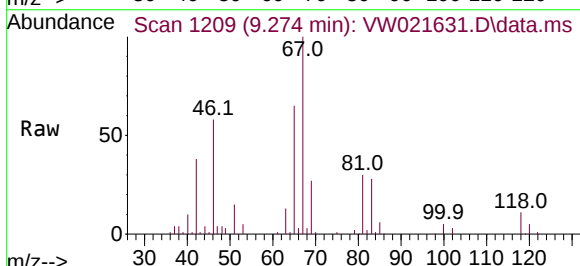
Acq: 23 Dec 2021 23:05

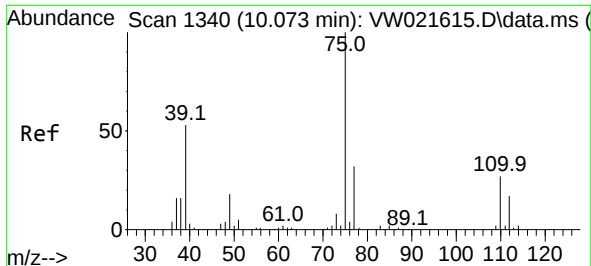
Tgt Ion: 63 Resp: 4249

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.666 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021631.D

Acq: 23 Dec 2021 23:05

Instrument :

MSVOA_W

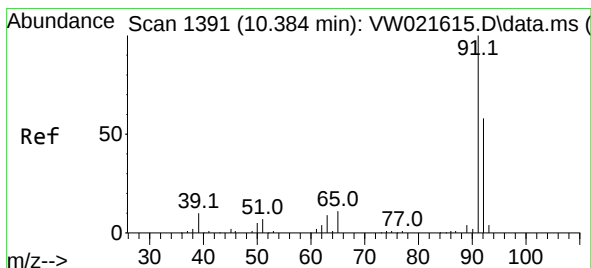
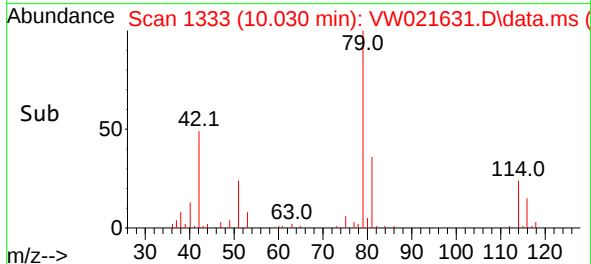
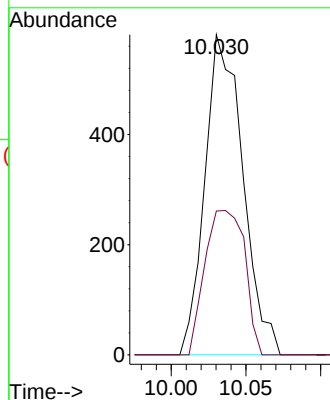
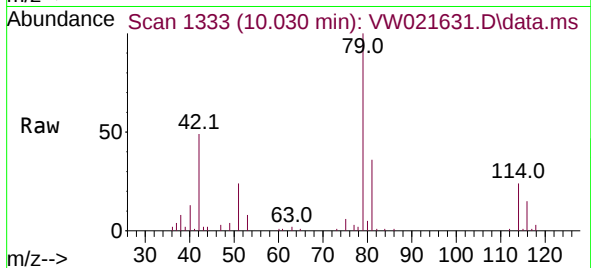
ClientSampleId :

Tgt Ion: 75 Resp: 1024

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#



#42

Toluene

Concen: 2.218 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021631.D

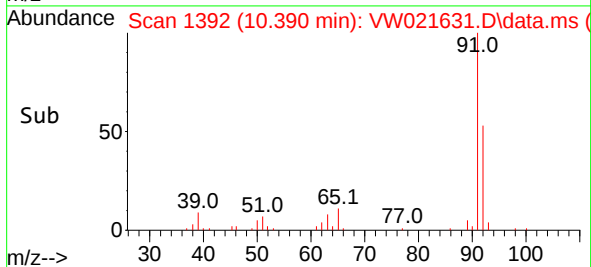
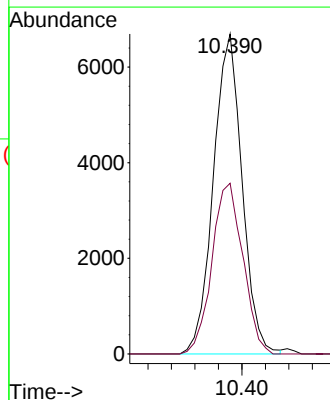
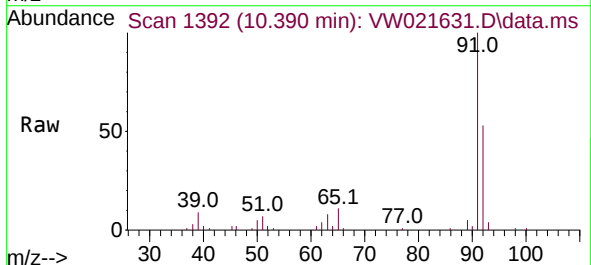
Acq: 23 Dec 2021 23:05

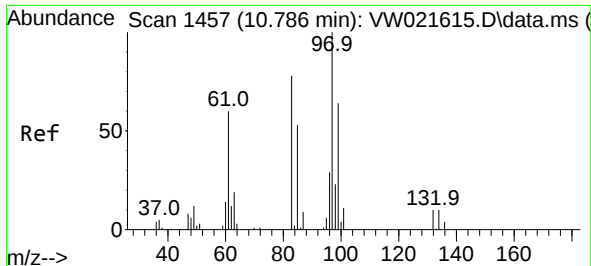
Tgt Ion: 91 Resp: 11353

Ion Ratio Lower Upper

91 100

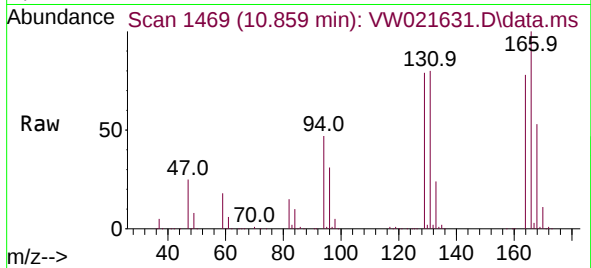
92 53.3 41.7 77.5



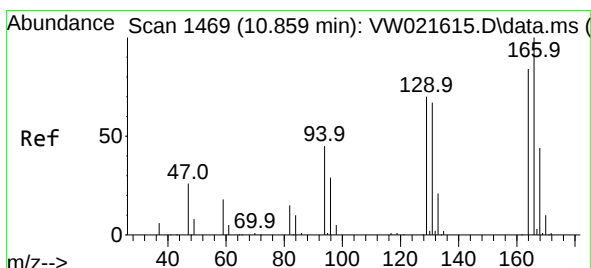
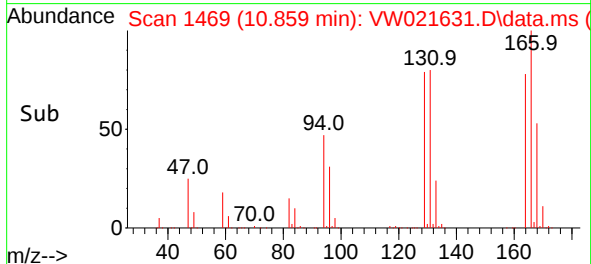
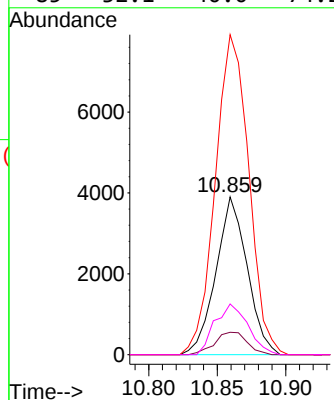


#45
1,1,2-Trichloroethane
Concen: 7.764 ug/L
RT: 10.859 min Scan# 1457
Delta R.T. 0.073 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Instrument :
MSVOA_W
ClientSampleId :

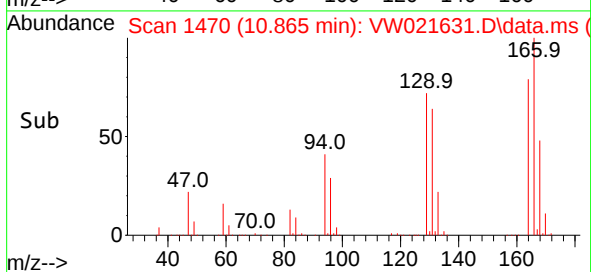
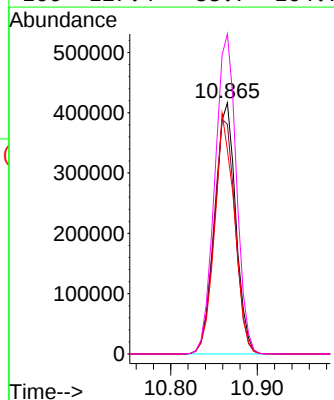
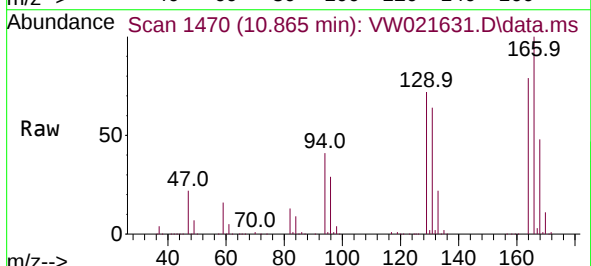


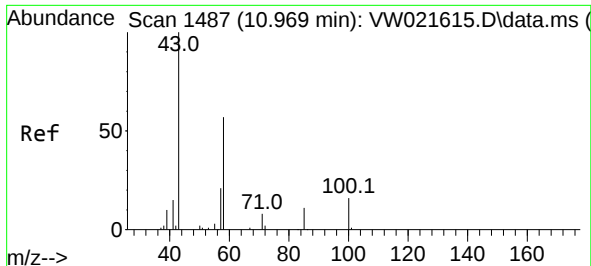
Tgt Ion: 97 Resp: 6202
Ion Ratio Lower Upper
97 100
99 14.2 43.0 79.8#
83 202.8 62.6 116.3#
85 32.1 40.0 74.2#



#46
Tetrachloroethene
Concen: 598.121 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

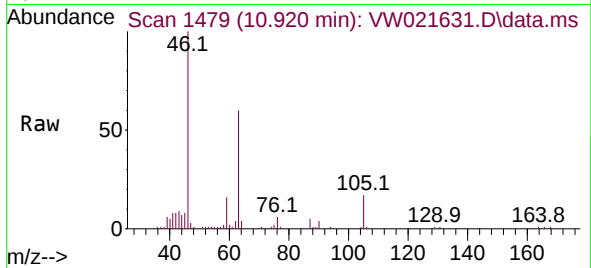
Tgt Ion:164 Resp: 697901
Ion Ratio Lower Upper
164 100
129 91.4 65.5 121.7
131 81.1 59.7 110.9
166 127.4 88.7 164.7



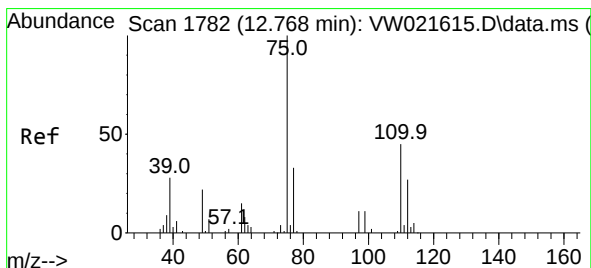
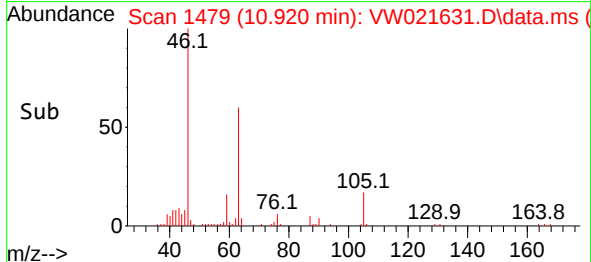
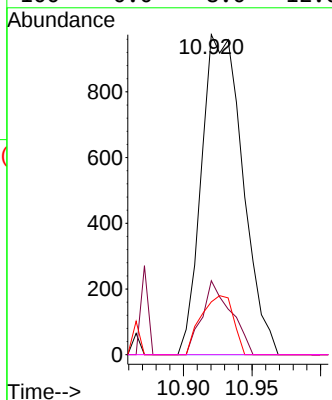


#48
2-Hexanone
Concen: 5.274 ug/L
RT: 10.920 min Scan# 1487
Delta R.T. -0.049 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Instrument :
MSVOA_W
ClientSampleId :

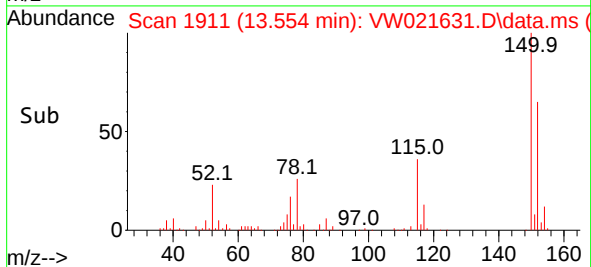
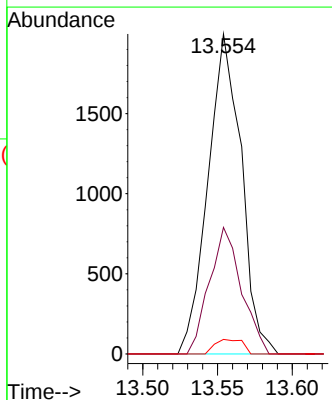
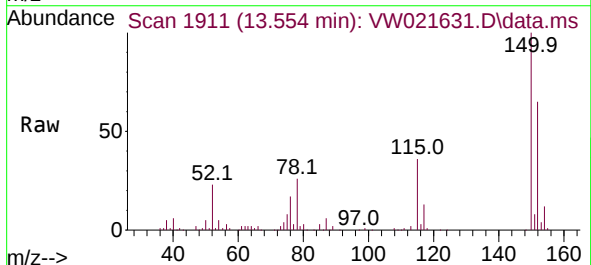


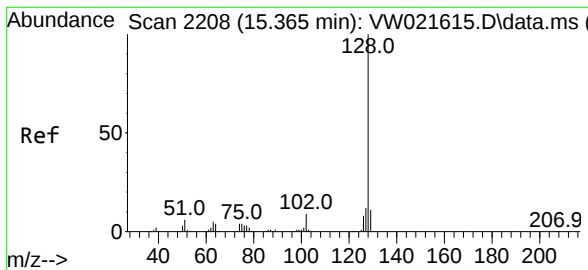
Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
58 16.3 40.2 60.2#
57 14.5 14.3 21.5
100 0.0 8.0 12.0#



#61
1,2,3-Trichloropropane
Concen: 7.236 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

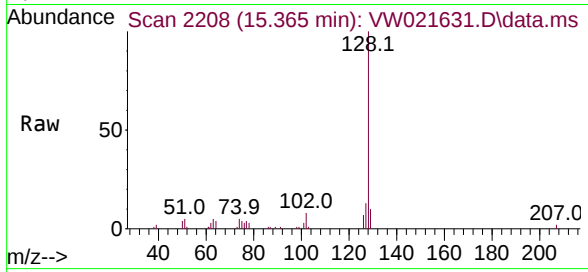
Tgt Ion: 75 Resp: 3087
Ion Ratio Lower Upper
75 100
77 38.1 25.8 38.8
110 3.8 29.0 43.4#





#71
Naphthalene
Concen: 7.188 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021631.D
Acq: 23 Dec 2021 23:05

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	13190
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.7	16.1
129	11.6	8.6	12.8

