

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121021\
 Data File : VW021308.D
 Acq On : 11 Dec 2021 02:25
 Operator : SY/VA
 Sample : M5023-07
 Misc : 6.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 03:29:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	27219	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	19855	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	5402	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	16972	34.237	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 136.960%	
7) Chloroethane-d5	2.885	69	12623	38.518	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 154.080%#	
11) 1,1-Dichloroethene-d2	4.038	63	58722	88.852	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	= 355.400%#	
21) 2-Butanone-d5	7.074	46	8521	121.941	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 243.880%#	
24) Chloroform-d	7.653	84	25162	33.172	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 132.680%	
26) 1,2-Dichloroethane-d4	8.311	65	14276	35.382	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 141.520%#	
32) Benzene-d6	8.281	84	42350	38.913	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 155.640%#	
36) 1,2-Dichloropropane-d6	9.275	67	12534	42.943	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 171.760%#	
41) Toluene-d8	10.323	98	31098	27.966	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 111.880%	
43) trans-1,3-Dichloroprop...	10.579	79	4241	31.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 126.240%	
47) 2-Hexanone-d5	10.927	63	5037	116.704	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 233.400%#	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	10126	40.357	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 161.440%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	4993	23.849	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 95.400%	
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.038	96	84303	249.868	ug/L	# 60
13) Acetone	4.129	43	2223	35.486	ug/L	82
14) Carbon disulfide	4.385	76	1383	1.587	ug/L	# 75
19) 1,1-Dichloroethane	6.220	63	121004	211.085	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	3903	10.129	ug/L	67
22) 2-Butanone	7.263	43	381	4.657	ug/L	# 52
27) 1,2-Dichloroethane	8.403	62	755	1.792	ug/L	# 77
33) Benzene	8.330	78	1613	1.491	ug/L	100
34) Trichloroethene	9.092	95	88968	293.022	ug/L	90
35) Methylcyclohexane	9.275	83	3299	6.587	ug/L	# 14
37) 1,2-Dichloropropane	9.275	63	1598	6.624	ug/L	# 88
39) cis-1,3-Dichloropropene	10.031	75	423	1.112	ug/L	85
42) Toluene	10.390	91	4597	3.634	ug/L	95
45) 1,1,2-Trichloroethane	10.866	97	1851	9.374	ug/L	# 18
46) Tetrachloroethene	10.860	164	217303	753.400	ug/L	92
48) 2-Hexanone	10.927	43	908	9.525	ug/L	# 64
49) Dibromochloromethane	10.866	129	178016	731.270	ug/L	# 10
61) 1,2,3-Trichloropropane	13.554	75	594	7.555	ug/L	# 56

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

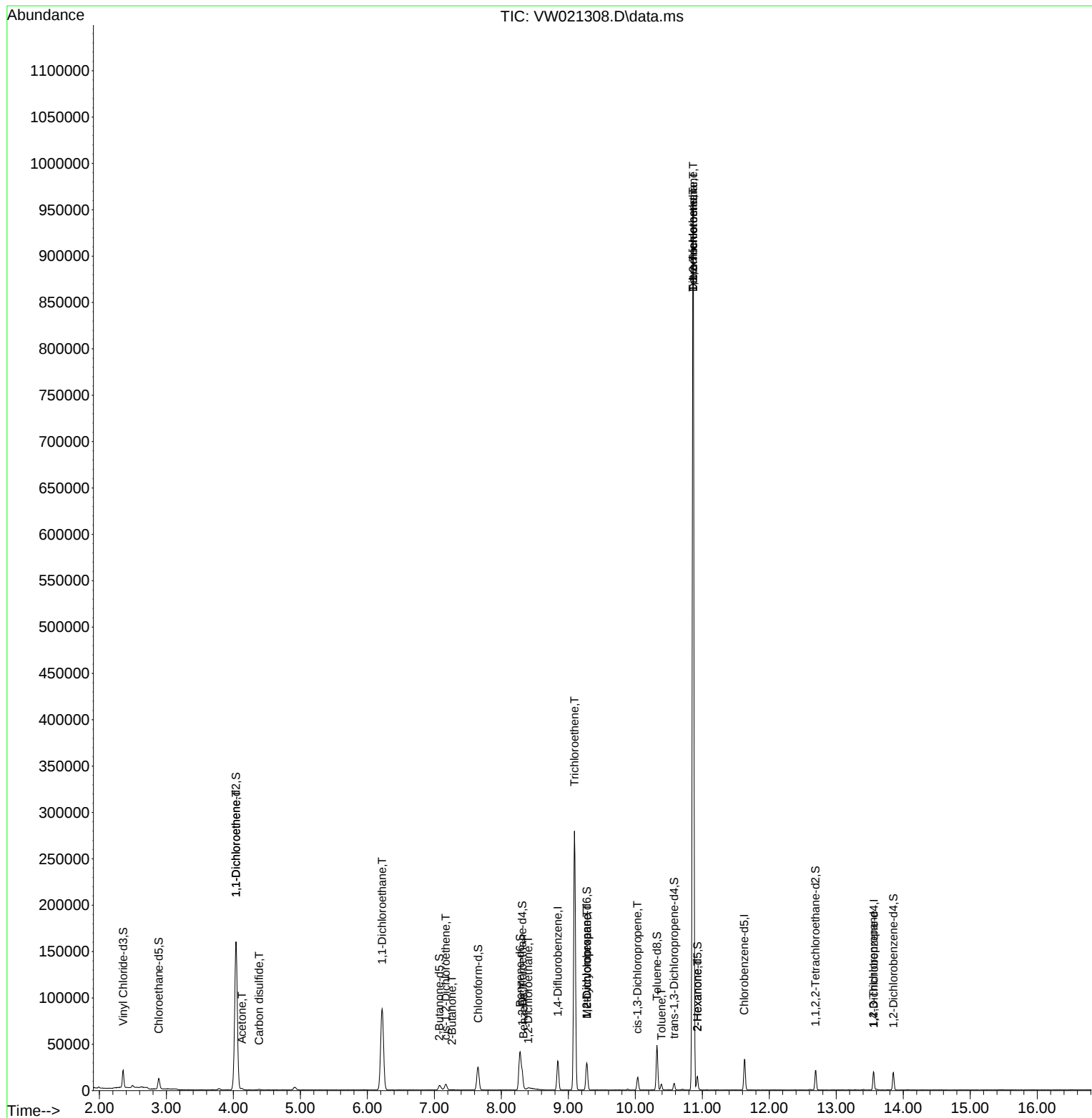
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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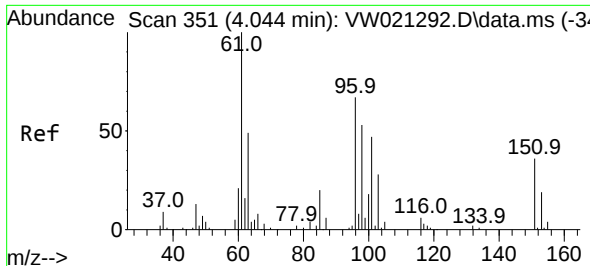
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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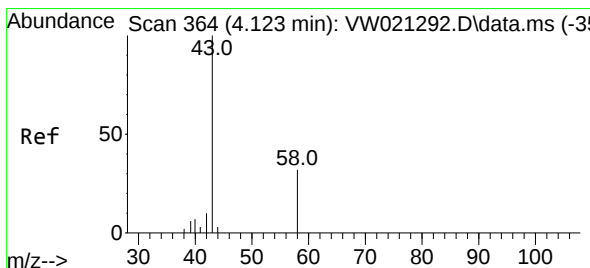
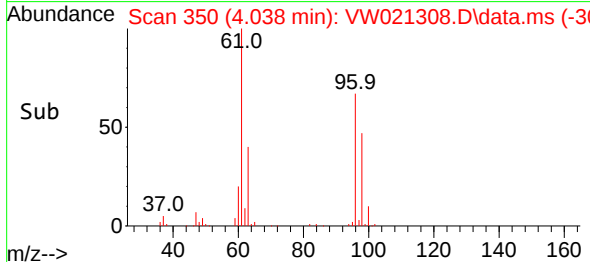
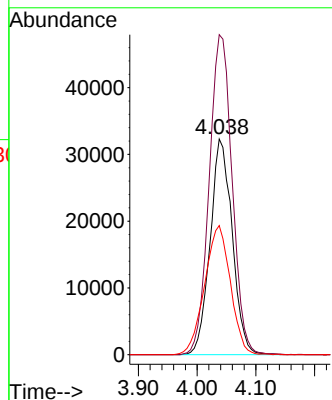
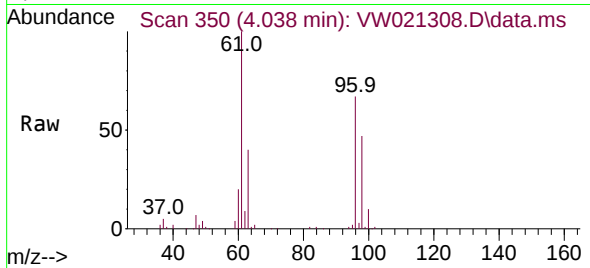




#12
 1,1-Dichloroethene
 Concen: 249.868 ug/L
 RT: 4.038 min Scan# 351
 Delta R.T. -0.006 min
 Lab File: VW021308.D
 Acq: 11 Dec 2021 02:25

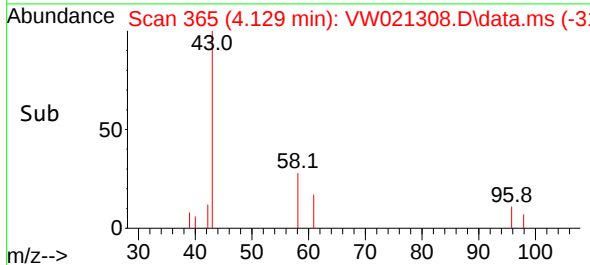
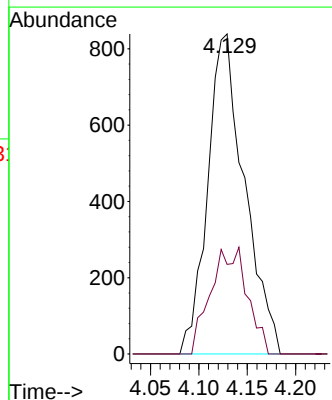
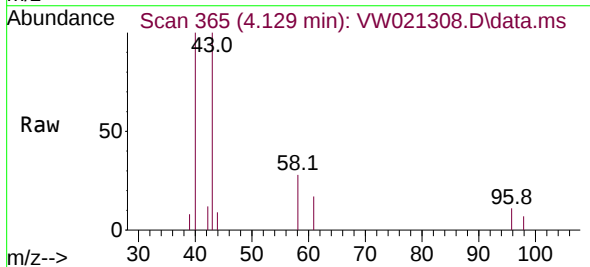
Instrument :
 MSVOA_W
 ClientSampleId :

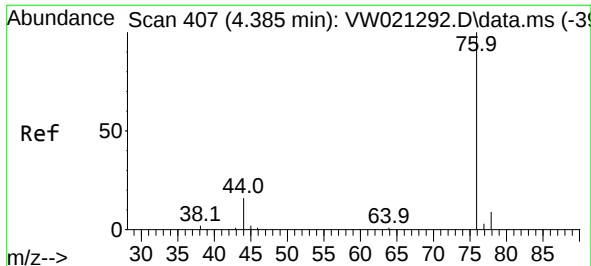
Tgt Ion: 96 Resp: 84303
 Ion Ratio Lower Upper
 96 100
 61 148.4 138.3 256.9
 63 59.9 82.6 153.4#



#13
 Acetone
 Concen: 35.486 ug/L
 RT: 4.129 min Scan# 365
 Delta R.T. 0.006 min
 Lab File: VW021308.D
 Acq: 11 Dec 2021 02:25

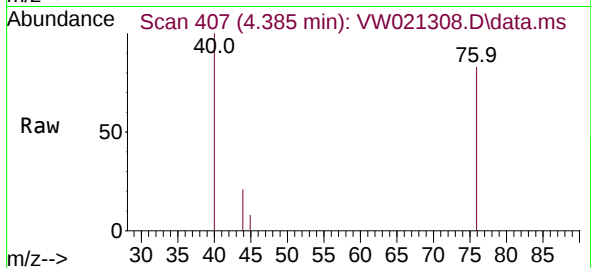
Tgt Ion: 43 Resp: 2223
 Ion Ratio Lower Upper
 43 100
 58 17.4 0.0 52.8



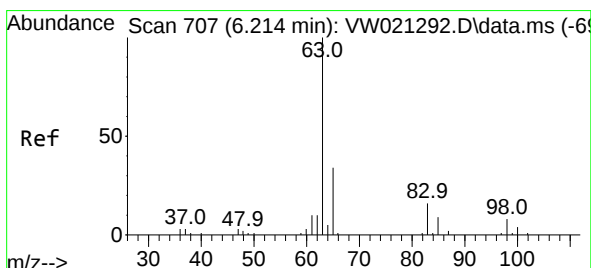
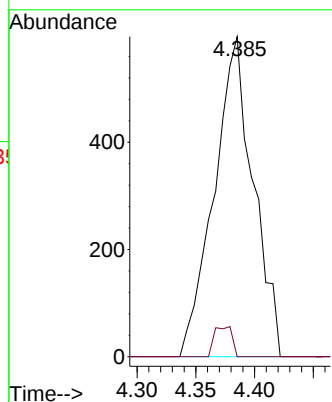
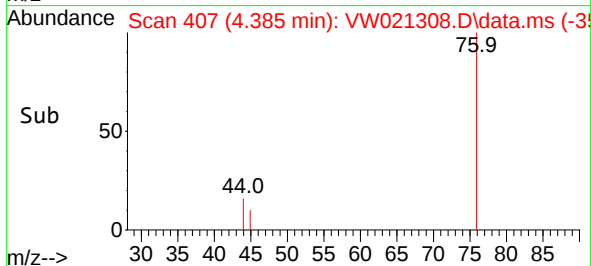


#14
Carbon disulfide
Concen: 1.587 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25

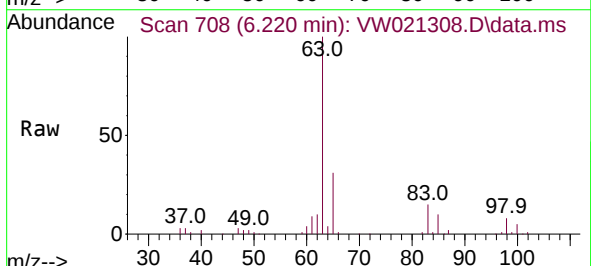
Instrument :
MSVOA_W
ClientSampleId :



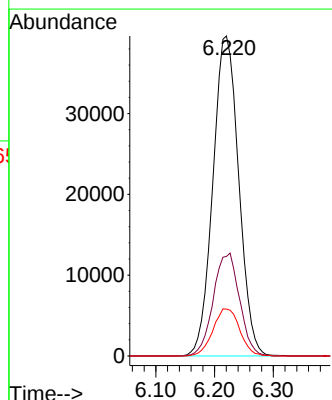
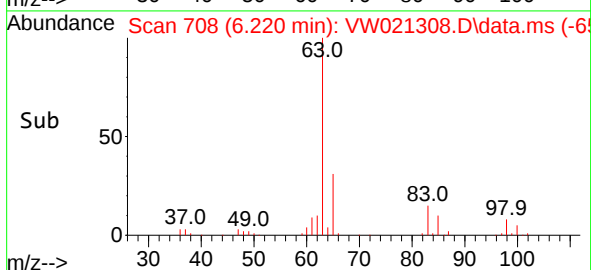
Tgt Ion: 76 Resp: 1383
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

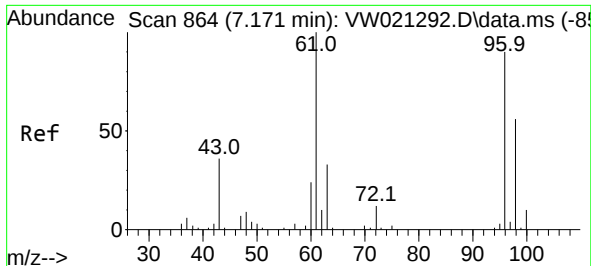


#19
1,1-Dichloroethane
Concen: 211.085 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.006 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25



Tgt Ion: 63 Resp: 121004
Ion Ratio Lower Upper
63 100
65 31.1 22.1 41.1
83 14.6 9.2 17.2



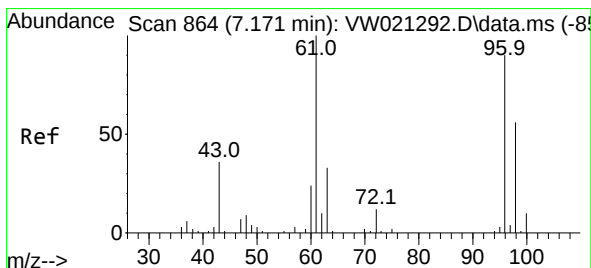
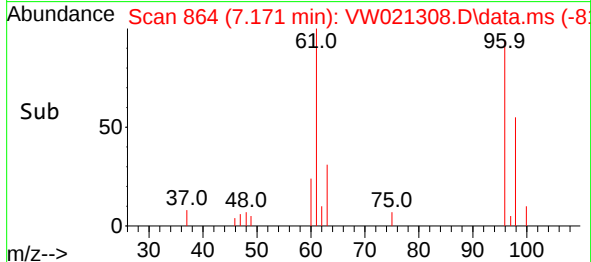
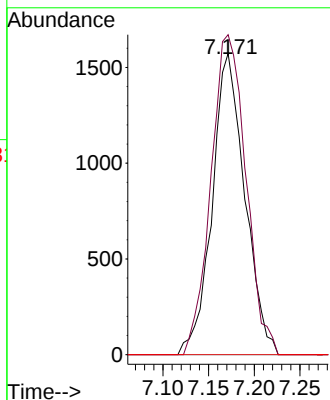
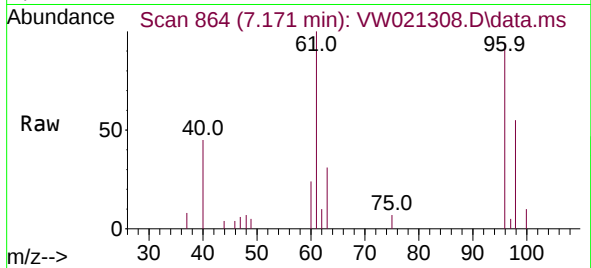


#20
 cis-1,2-Dichloroethene
 Concen: 10.129 ug/L
 RT: 7.171 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW021308.D
 Acq: 11 Dec 2021 02:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 96 Resp: 3903

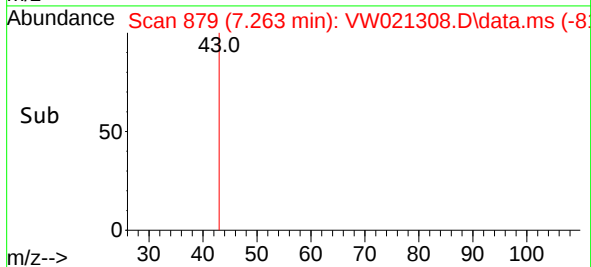
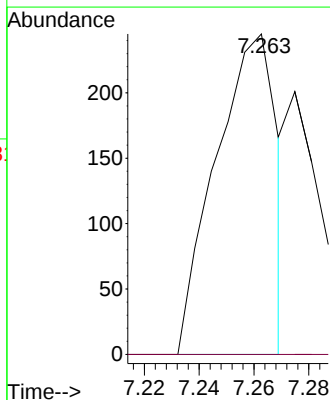
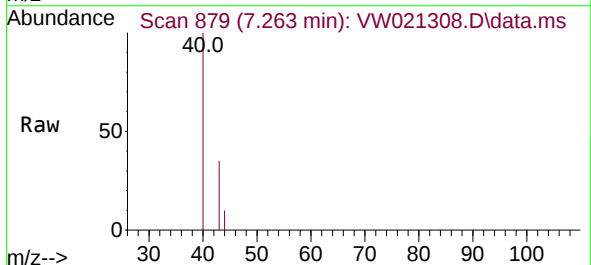
Ion	Ratio	Lower	Upper
96	100		
61	106.2	103.7	192.7
68	0.0	0.0	0.0

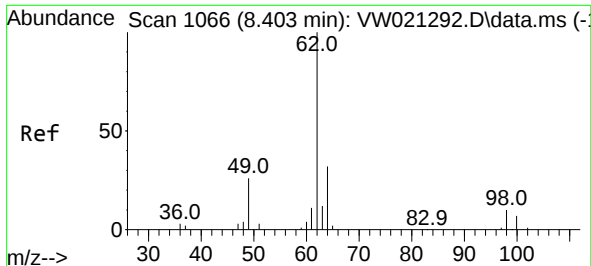


#22
 2-Butanone
 Concen: 4.657 ug/L
 RT: 7.263 min Scan# 879
 Delta R.T. 0.091 min
 Lab File: VW021308.D
 Acq: 11 Dec 2021 02:25

Tgt Ion: 43 Resp: 381

Ion	Ratio	Lower	Upper
43	100		
72	0.0	11.8	35.4





#27

1,2-Dichloroethane

Concen: 1.792 ug/L

RT: 8.403 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VW021308.D

Acq: 11 Dec 2021 02:25

Instrument :

MSVOA_W

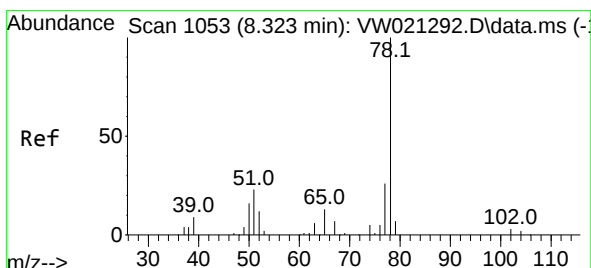
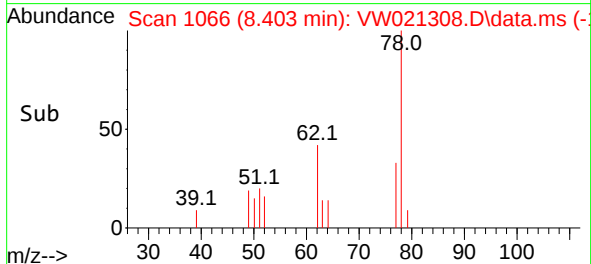
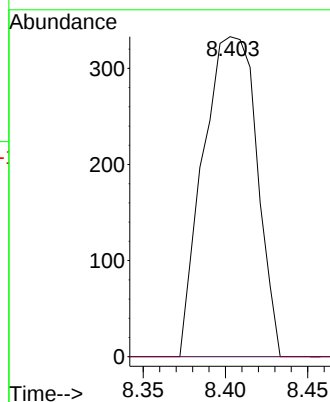
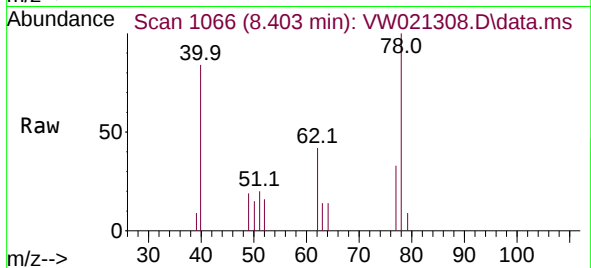
ClientSampleId :

Tgt Ion: 62 Resp: 755

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#33

Benzene

Concen: 1.491 ug/L

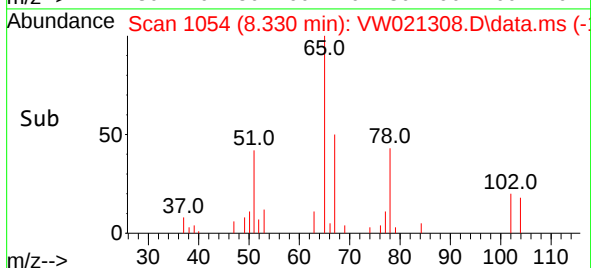
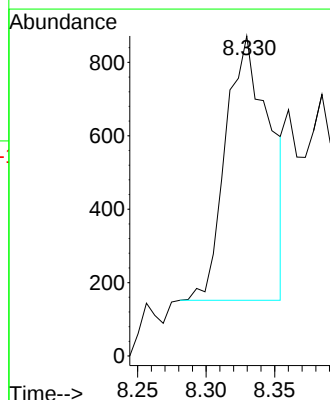
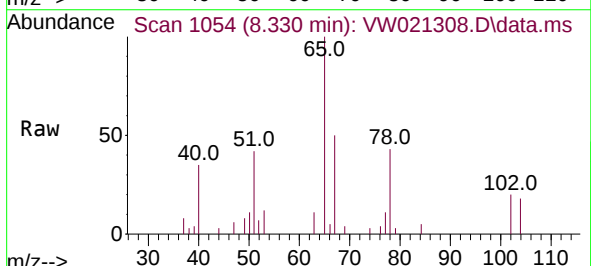
RT: 8.330 min Scan# 1054

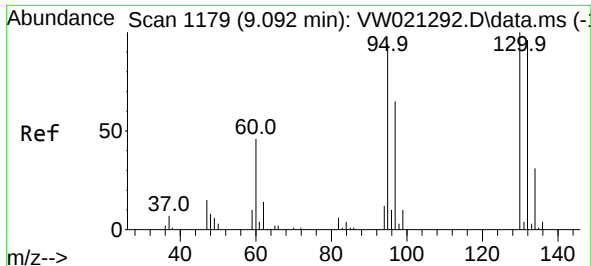
Delta R.T. 0.006 min

Lab File: VW021308.D

Acq: 11 Dec 2021 02:25

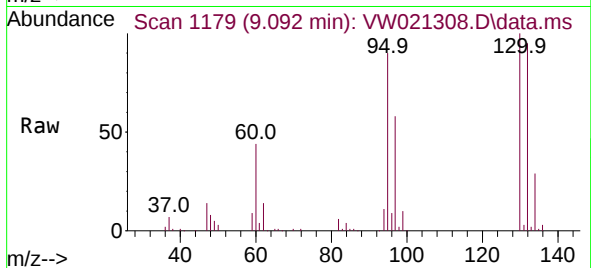
Tgt Ion: 78 Resp: 1613



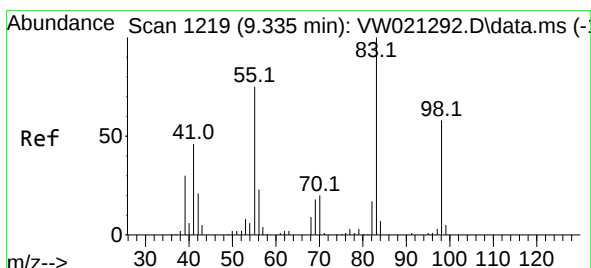
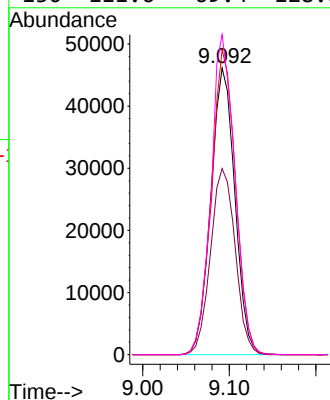
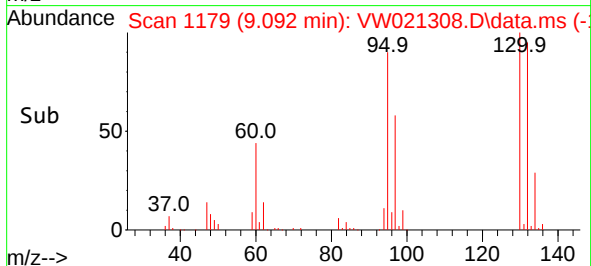


#34
Trichloroethene
Concen: 293.022 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25

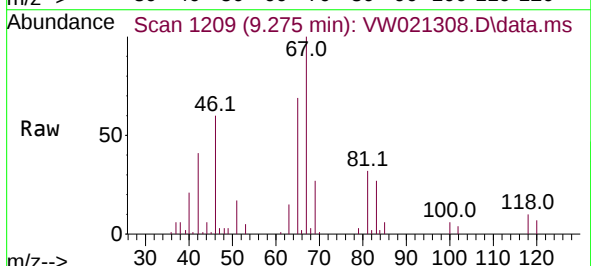
Instrument :
MSVOA_W
ClientSampleId :



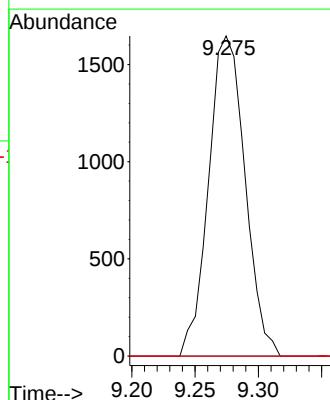
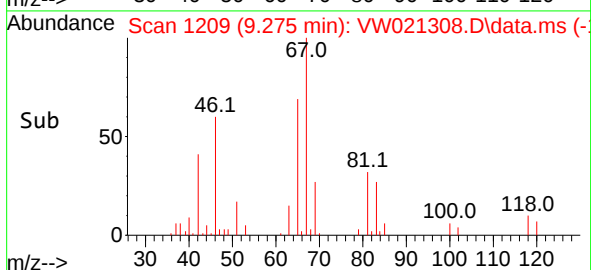
Tgt Ion:	95	Resp:	88968
Ion	Ratio	Lower	Upper
95	100		
97	64.9	47.0	87.2
132	106.3	65.5	121.6
130	111.6	69.4	128.8

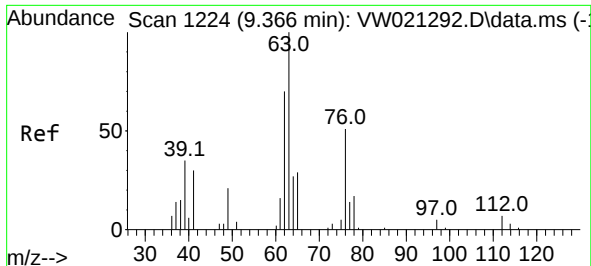


#35
Methylcyclohexane
Concen: 6.587 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25



Tgt Ion:	83	Resp:	3299
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.8	106.2#
98	0.0	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 6.624 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW021308.D

Acq: 11 Dec 2021 02:25

Instrument :

MSVOA_W

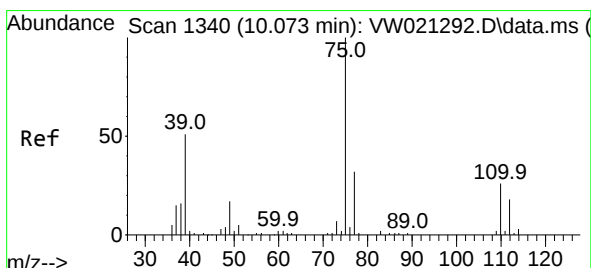
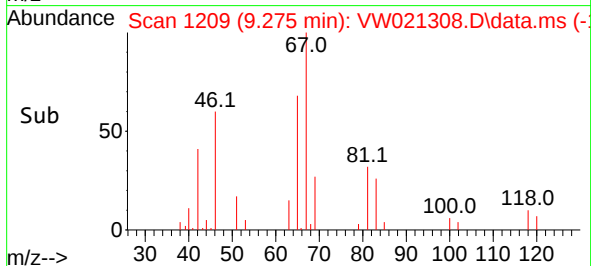
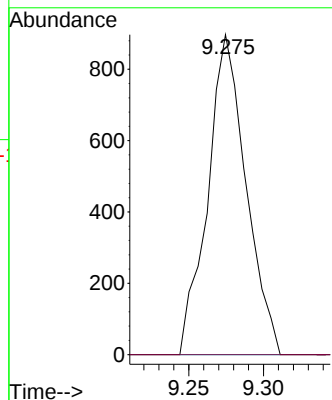
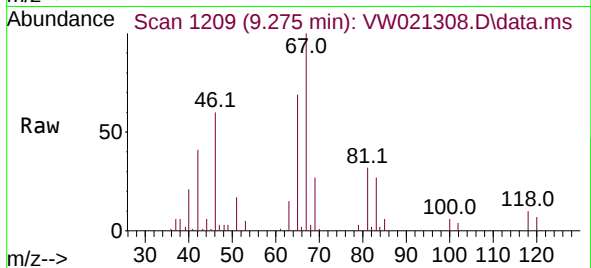
ClientSampleId :

Tgt Ion: 63 Resp: 1598

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.112 ug/L

RT: 10.031 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021308.D

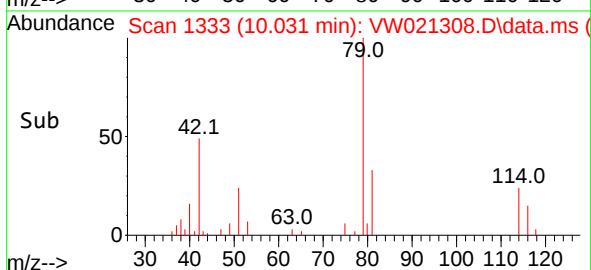
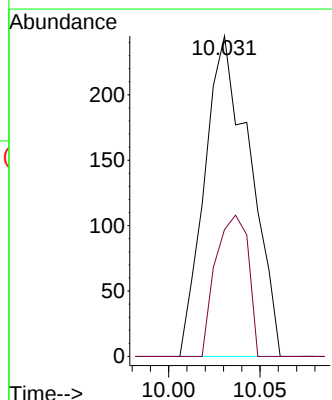
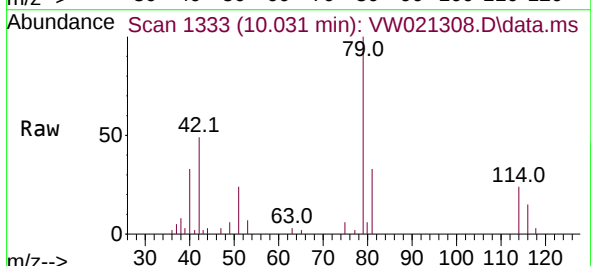
Acq: 11 Dec 2021 02:25

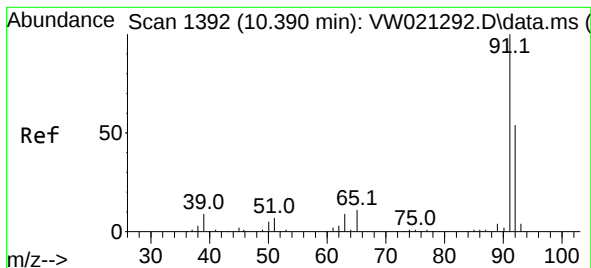
Tgt Ion: 75 Resp: 423

Ion Ratio Lower Upper

75 100

77 39.6 21.8 40.6





#42

Toluene

Concen: 3.634 ug/L

RT: 10.390 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021308.D

Acq: 11 Dec 2021 02:25

Instrument :

MSVOA_W

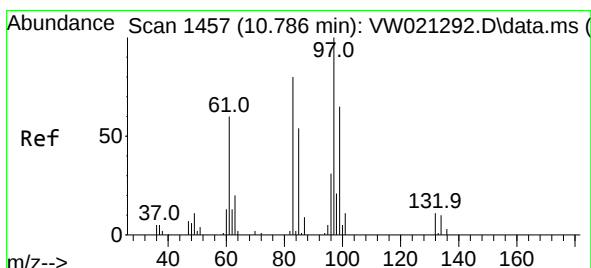
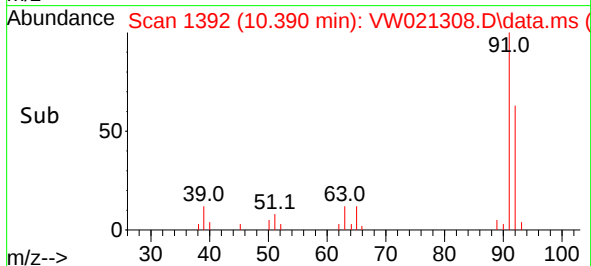
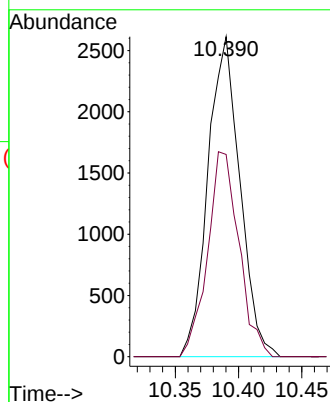
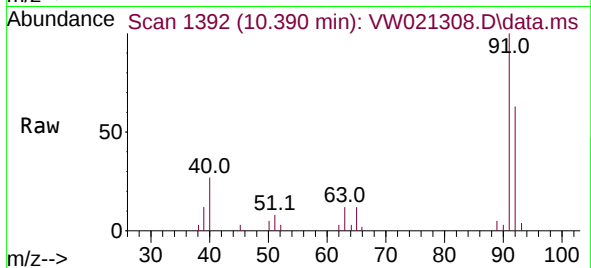
ClientSampleId :

Tgt Ion: 91 Resp: 4597

Ion Ratio Lower Upper

91 100

92 63.2 41.7 77.5



#45

1,1,2-Trichloroethane

Concen: 9.374 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.079 min

Lab File: VW021308.D

Acq: 11 Dec 2021 02:25

Tgt Ion: 97 Resp: 1851

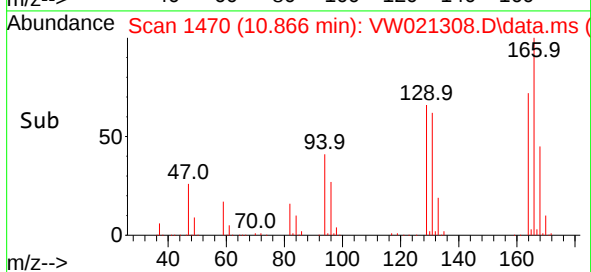
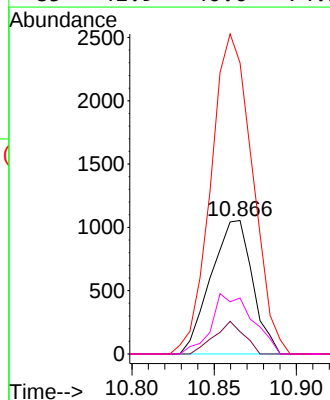
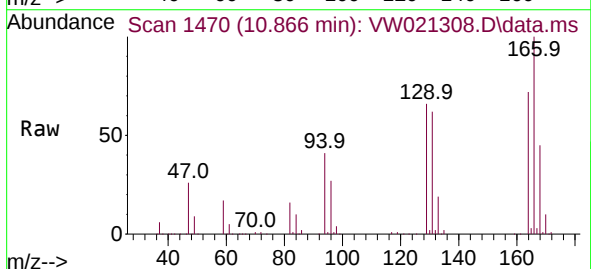
Ion Ratio Lower Upper

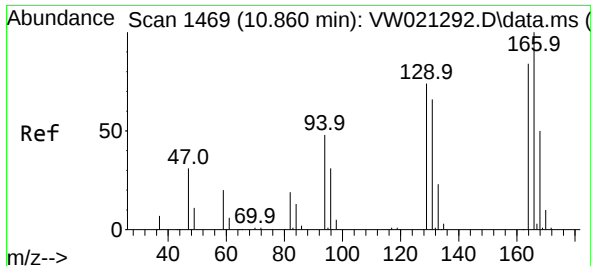
97 100

99 16.7 43.0 79.8#

83 218.1 62.6 116.3#

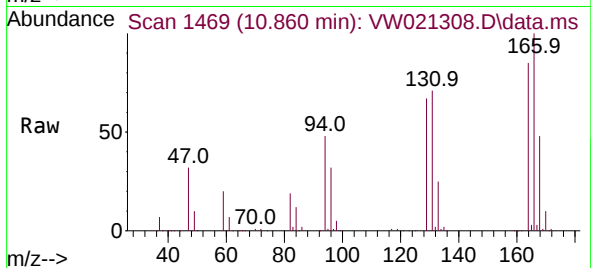
85 41.9 40.0 74.2



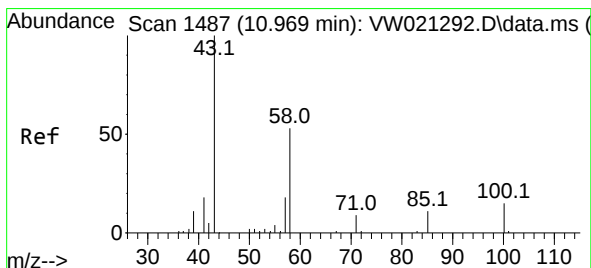
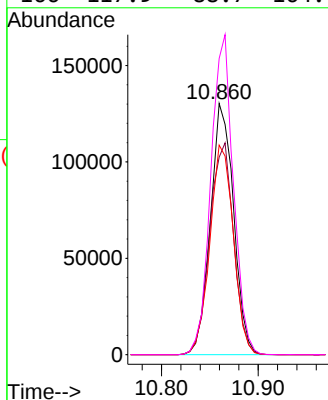
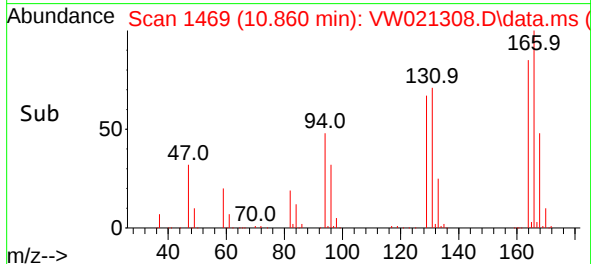


#46
Tetrachloroethene
Concen: 753.400 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25

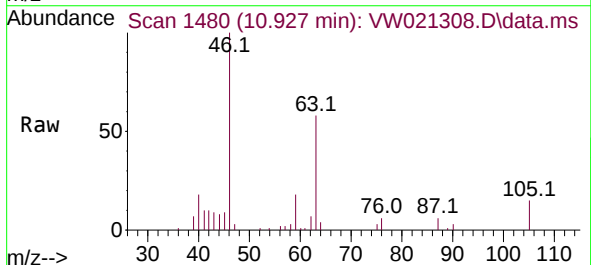
Instrument :
MSVOA_W
ClientSampleId :



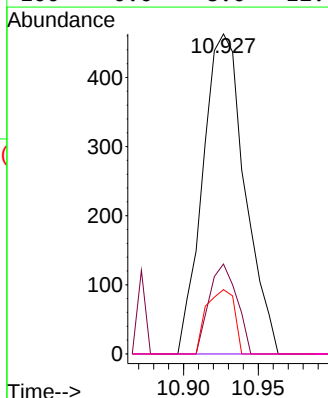
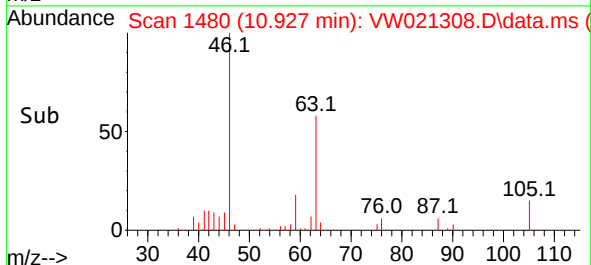
Tgt Ion:164 Resp: 217303
Ion Ratio Lower Upper
164 100
129 78.6 65.5 121.7
131 83.4 59.7 110.9
166 117.9 88.7 164.7

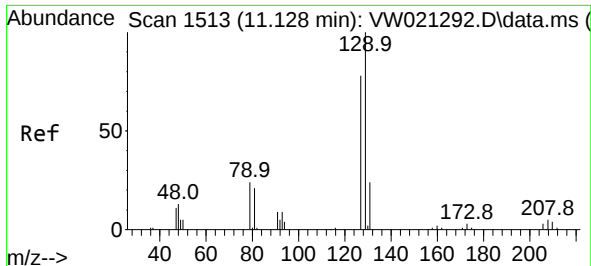


#48
2-Hexanone
Concen: 9.525 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25



Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 18.4 40.2 60.2#
57 13.2 14.3 21.5#
100 0.0 8.0 12.0#

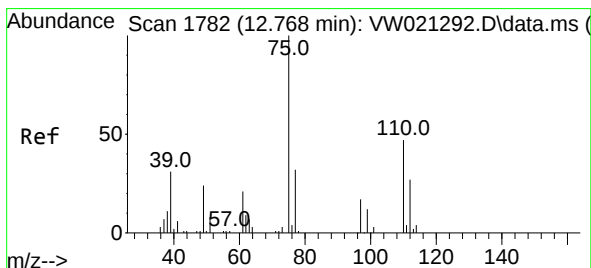
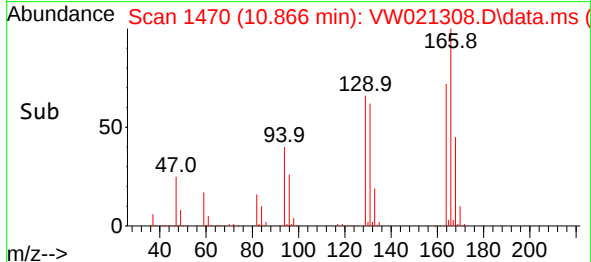
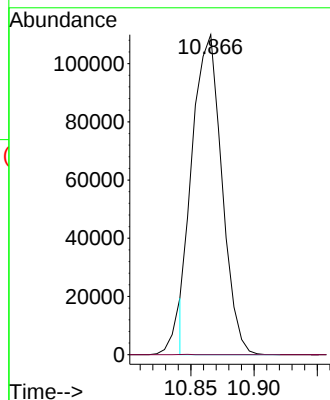
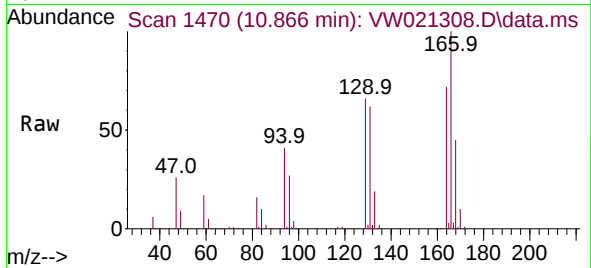




#49
Dibromochloromethane
Concen: 731.270 ug/L
RT: 10.866 min Scan# 14
Delta R.T. -0.262 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:129 Resp: 178016
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#61
1,2,3-Trichloropropane
Concen: 7.555 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW021308.D
Acq: 11 Dec 2021 02:25

Tgt Ion: 75 Resp: 594
Ion Ratio Lower Upper
75 100
77 45.6 25.8 38.8#
110 0.0 29.0 43.4#

