

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045809.D
 Acq On : 16 Nov 2021 16:03
 Operator : SY/MD
 Sample : M4686-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG1Z2

Quant Time: Nov 17 04:51:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 04:49:52 2021
 Response via : Initial Calibration

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

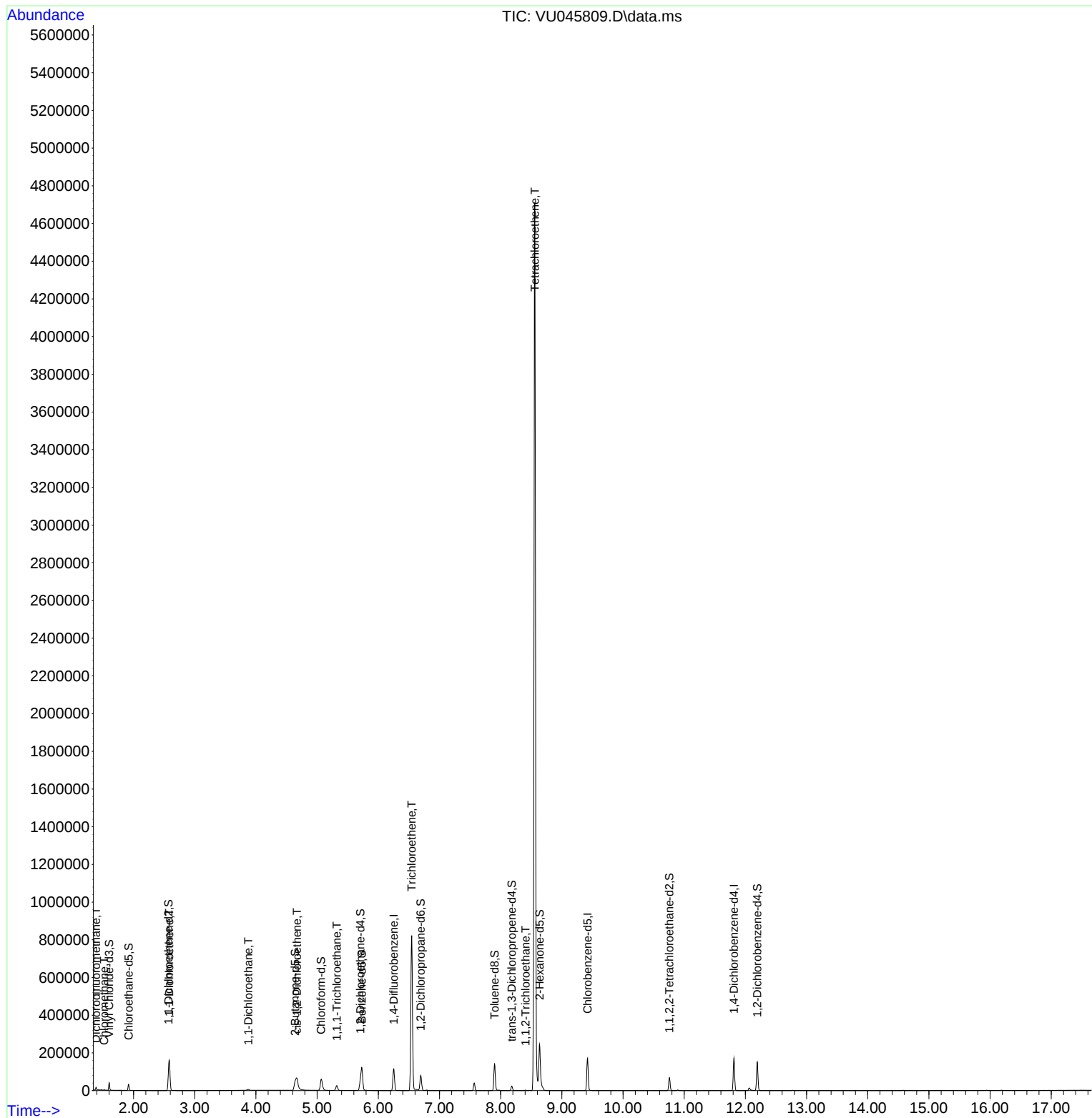
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	91262	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	95118	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44730	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	27776	3.841	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.919	69	24332	4.623	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.572	65	12181	4.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.642	46	108991	56.248	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.500%
24) Chloroform-d	5.067	84	53063	4.405	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.707	65	34305	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.732	84	112024	4.277	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.694	67	38057	4.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.899	98	95492	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	8.182	79	14386	4.293	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.636	63	85063	56.393	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.780%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	34902	5.004	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	38658	5.033	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7783	1.047	ug/L	99
3) Chloromethane	1.520	50	1969	0.250	ug/L	98
12) 1,1-Dichloroethene	2.585	96	43262	7.658	ug/L #	79
19) 1,1-Dichloroethane	3.877	63	5886	0.519	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	18546	2.825	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	18536	1.794	ug/L	98
34) Trichloroethene	6.546	95	287524	42.032	ug/L	99
45) 1,1,2-Trichloroethane	8.407	97	907	0.175	ug/L	89
47) Tetrachloroethene	8.559	164	1018401	212.663	ug/L	96

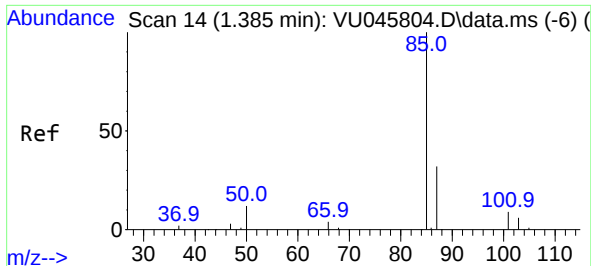
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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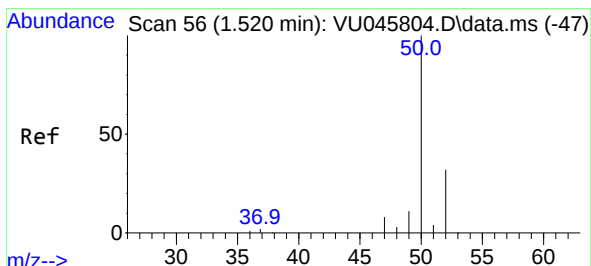
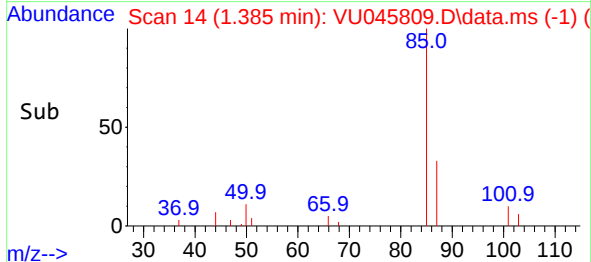
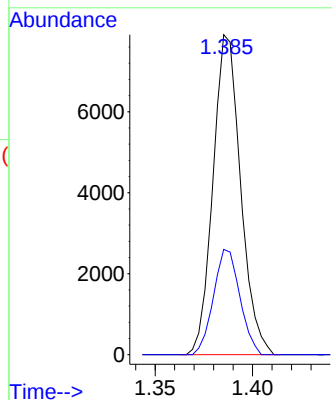
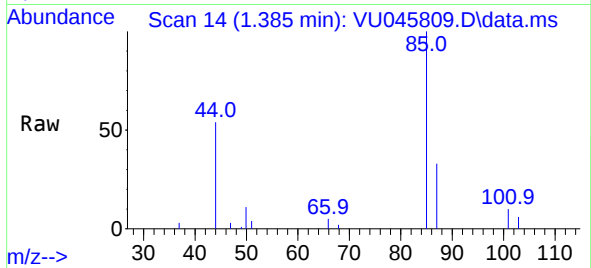




#2
Dichlorodifluoromethane
Concen: 1.047 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

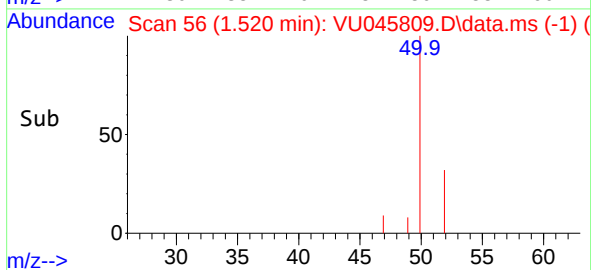
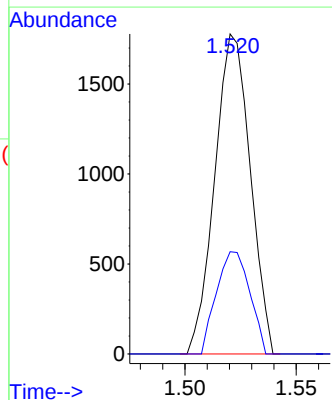
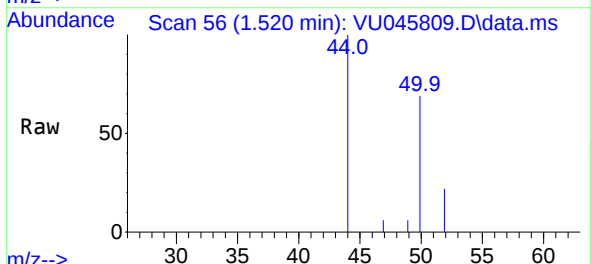
Instrument :
MSVOA_U
ClientSampleId :
BG1Z2

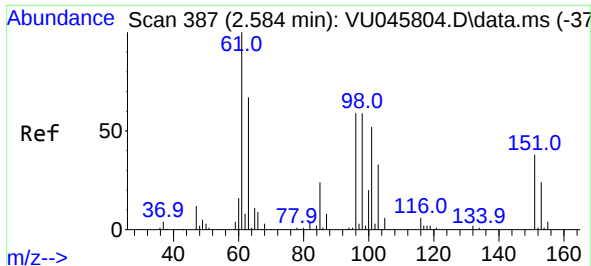
Tgt Ion: 85 Resp: 7783
Ion Ratio Lower Upper
85 100
87 31.4 25.8 38.6



#3
Chloromethane
Concen: 0.250 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

Tgt Ion: 50 Resp: 1969
Ion Ratio Lower Upper
50 100
52 31.9 23.0 42.8

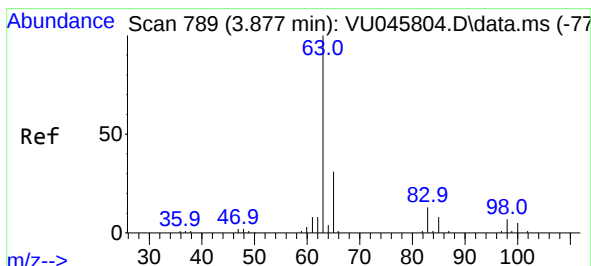
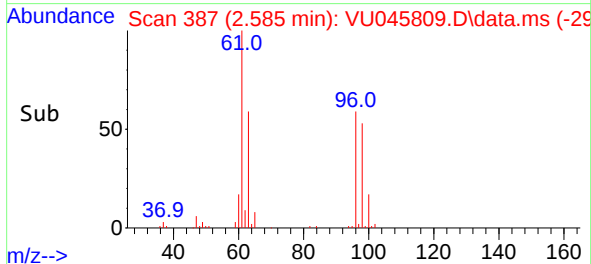
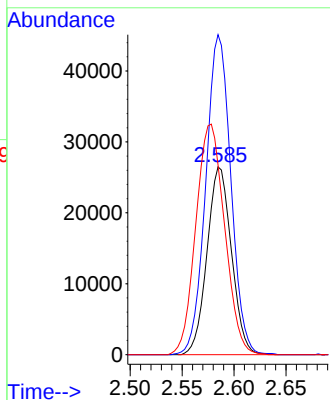
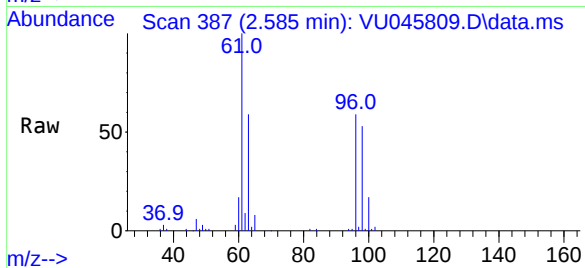




#12
1,1-Dichloroethene
Concen: 7.658 ug/L
RT: 2.585 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

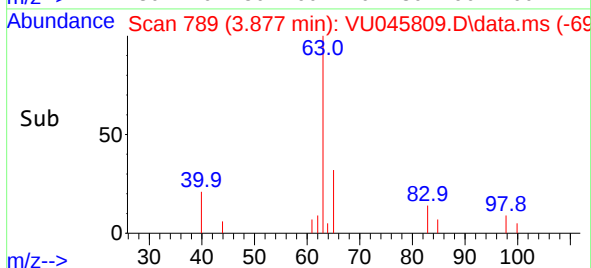
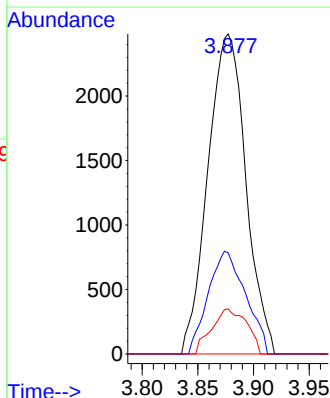
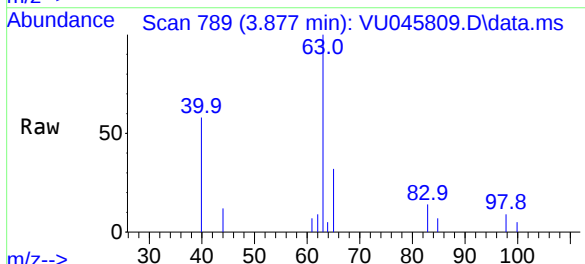
Instrument :
MSVOA_U
ClientSampleId :
BG1Z2

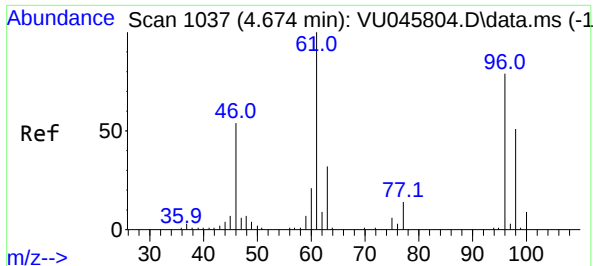
Tgt Ion: 96 Resp: 43262
Ion Ratio Lower Upper
96 100
61 170.3 124.7 231.5
63 101.0 105.2 195.4#



#19
1,1-Dichloroethane
Concen: 0.519 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

Tgt Ion: 63 Resp: 5886
Ion Ratio Lower Upper
63 100
65 31.7 22.3 41.5
83 14.1 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 2.825 ug/L

RT: 4.671 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :

BG1Z2

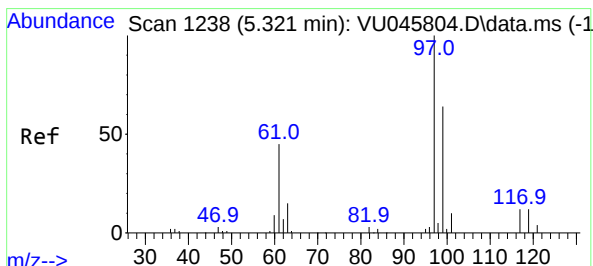
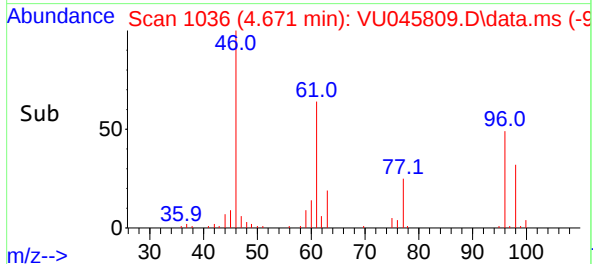
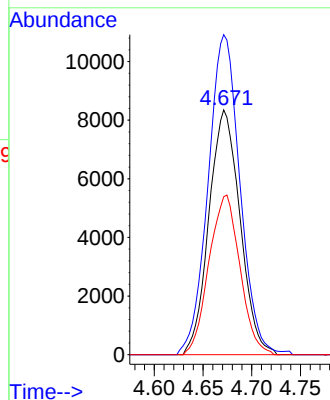
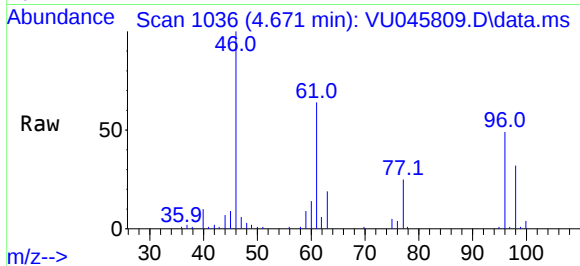
Tgt Ion: 96 Resp: 18546

Ion Ratio Lower Upper

96 100

61 130.8 88.5 164.3

98 64.5 44.4 82.5



#29

1,1,1-Trichloroethane

Concen: 1.794 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

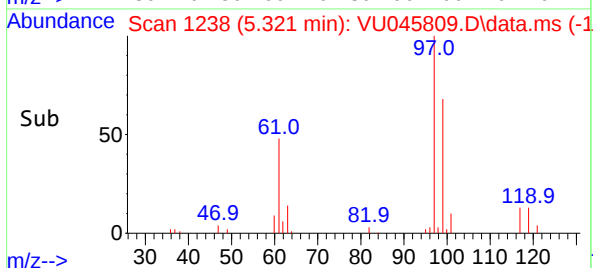
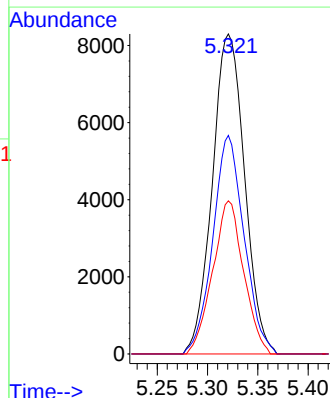
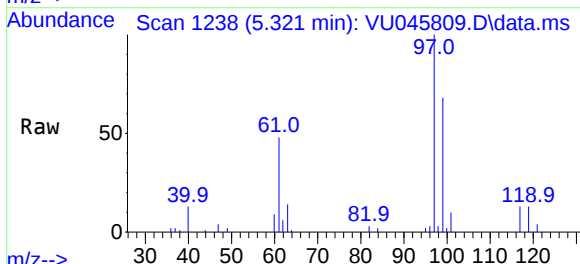
Tgt Ion: 97 Resp: 18536

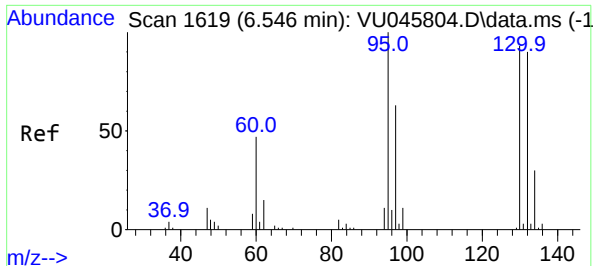
Ion Ratio Lower Upper

97 100

99 66.2 51.3 76.9

61 45.9 36.1 54.1





#34

Trichloroethene

Concen: 42.032 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :

BG1Z2

Tgt Ion: 95 Resp: 287524

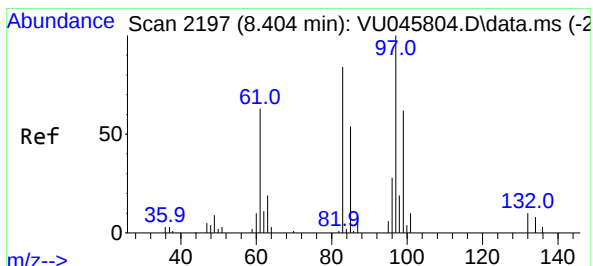
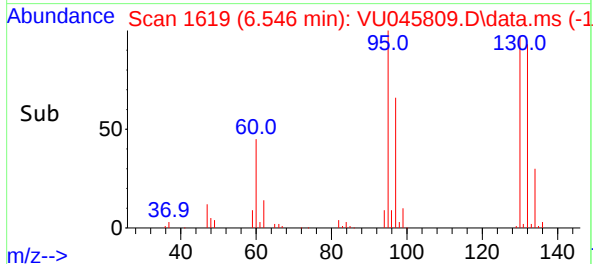
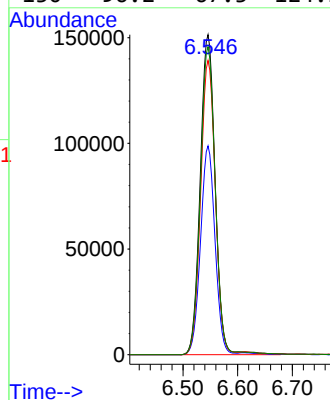
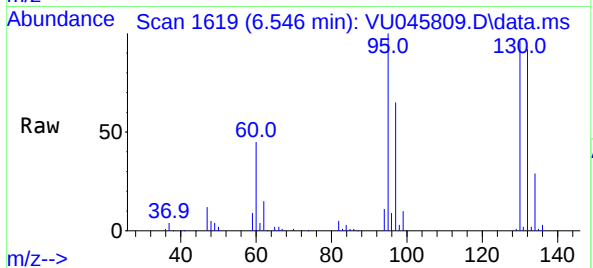
Ion Ratio Lower Upper

95 100

97 65.2 46.5 86.5

132 92.0 65.1 120.9

130 96.2 67.3 124.9



#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 8.407 min Scan# 2198

Delta R.T. 0.003 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Tgt Ion: 97 Resp: 907

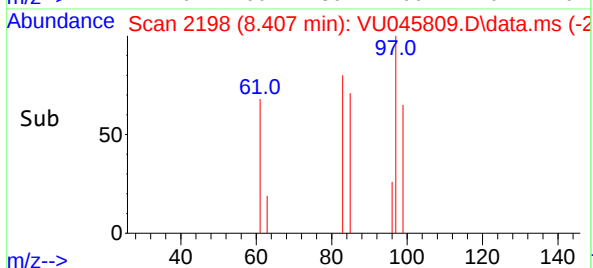
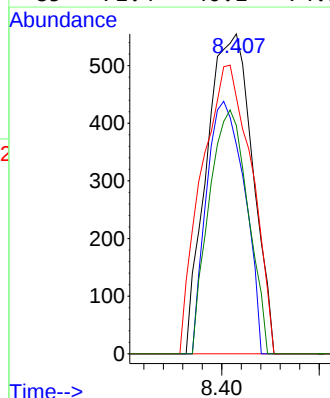
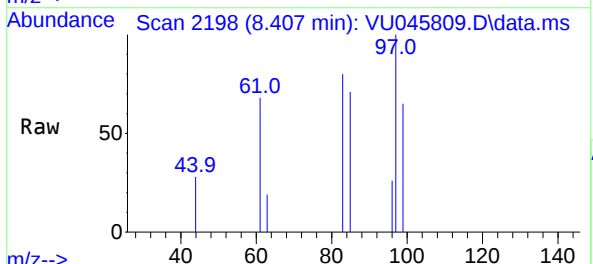
Ion Ratio Lower Upper

97 100

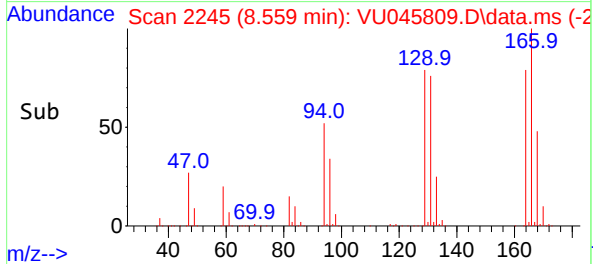
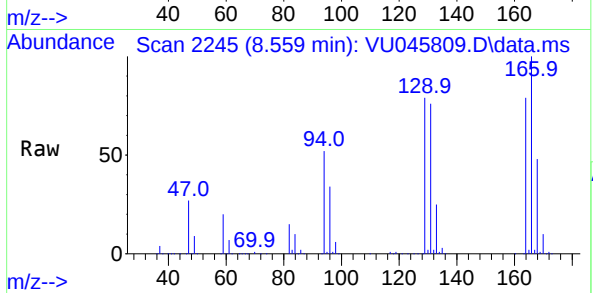
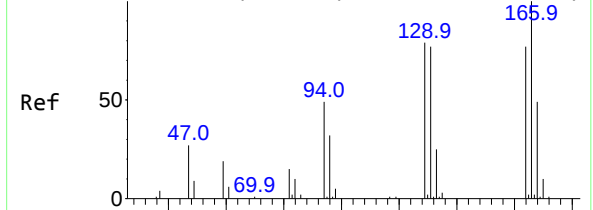
99 65.4 42.3 78.5

83 80.2 62.0 115.2

85 71.4 40.1 74.5



Abundance Scan 2244 (8.555 min): VU045804.D\data.ms (-2



#47

Tetrachloroethene

Concen: 212.663 ug/L

RT: 8.559 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :

BG1Z2

Tgt Ion:164 Resp: 1018401

Ion Ratio Lower Upper

164 100

129 100.3 71.8 133.4

131 95.9 68.5 127.3

166 126.8 94.1 174.8

Abundance

