

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 :

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
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	511	0.085	ug/L #	21
12) 1,1-Dichloroethene	2.585	96	43262	7.658	ug/L #	79
18) trans-1,2-Dichloroethene	3.366	96	222	0.037	ug/L #	38
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
27) 1,2-Dichloroethane	5.800	62	783	0.100	ug/L #	73
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
35) Methylcyclohexane	6.694	83	8659	0.824	ug/L #	17
37) 1,2-Dichloropropane	6.793	63	1063	0.152	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1058	0.107	ug/L #	79
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
49) Dibromochloromethane	8.559	129	1015370	171.910	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5712	1.230	ug/L #	66

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Sample : M4686-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

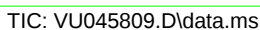
Quant Time: Nov 17 04:51:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 04:49:52 2021
Response via : Initial Calibration

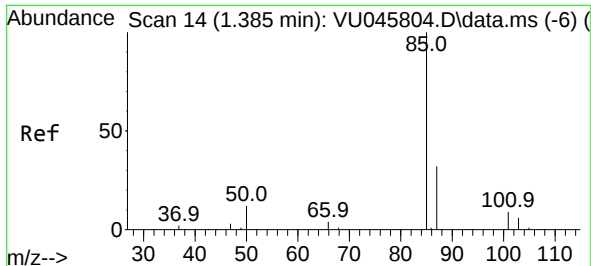
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_U
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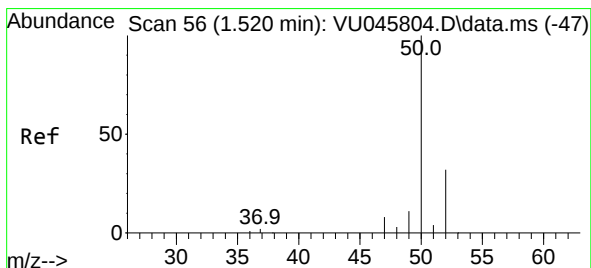
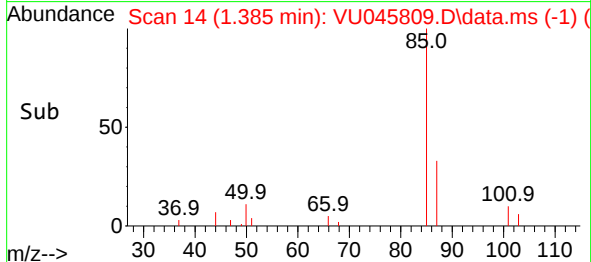
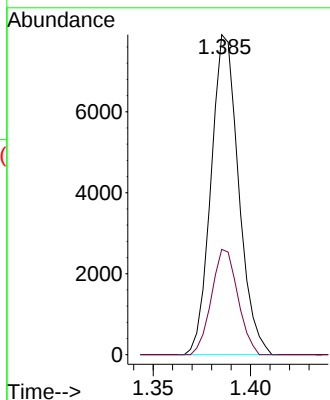
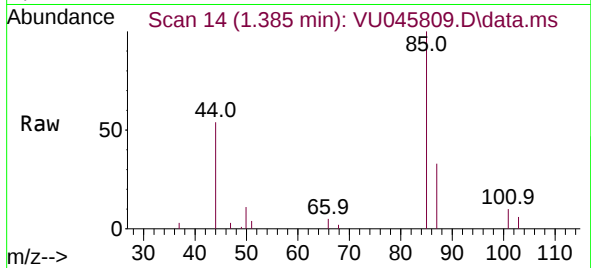




#2
 Dichlorodifluoromethane
 Concen: 1.047 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU045809.D
 Acq: 16 Nov 2021 16:03

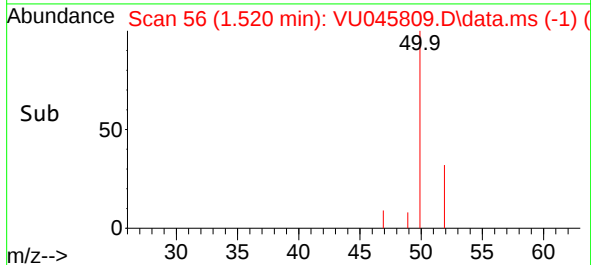
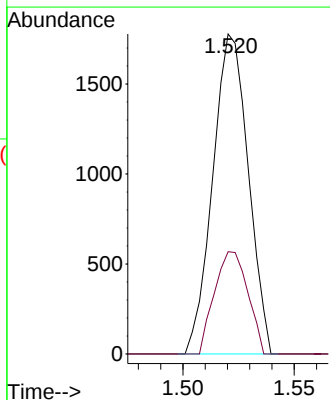
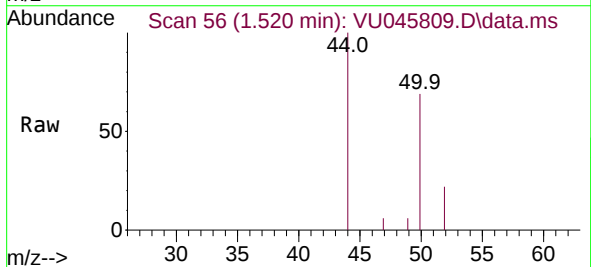
Instrument :
 MSVOA_U
 ClientSampleId :

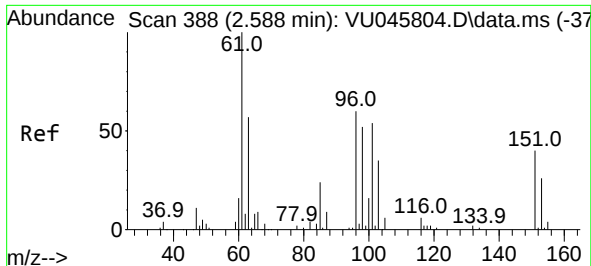
Tgt Ion: 85 Resp: 7783
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.8 38.6



#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

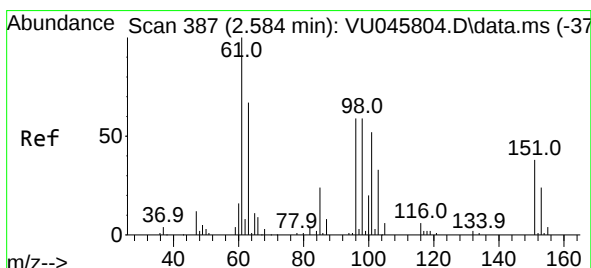
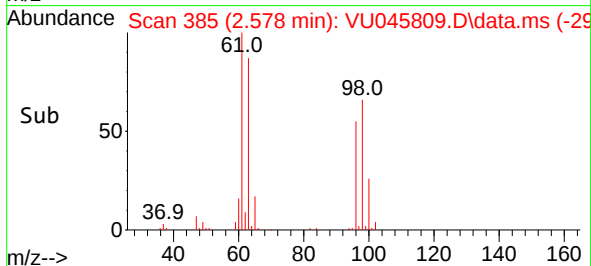
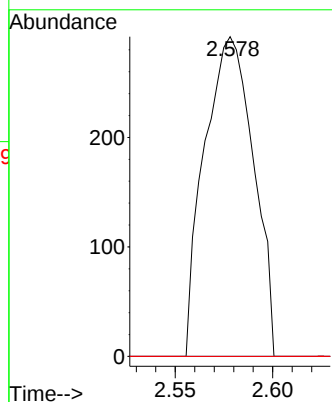
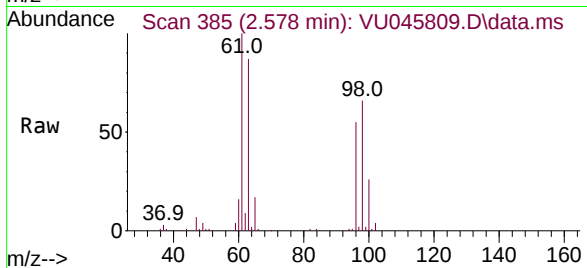




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.085 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.009 min
 Lab File: VU045809.D
 Acq: 16 Nov 2021 16:03

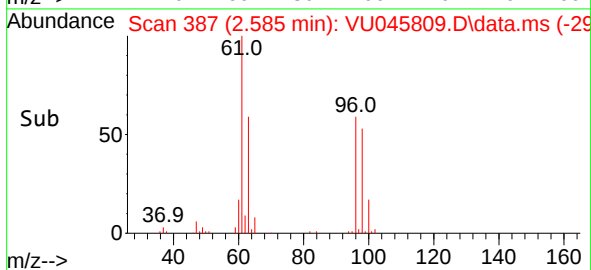
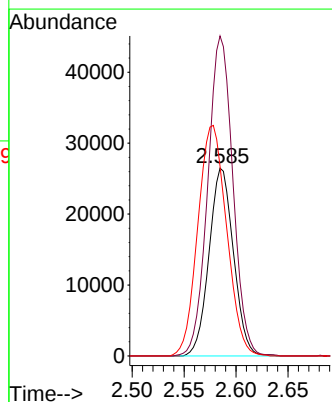
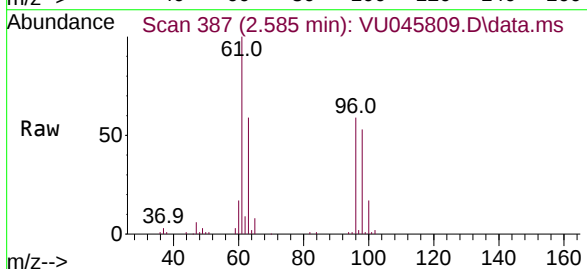
Instrument :
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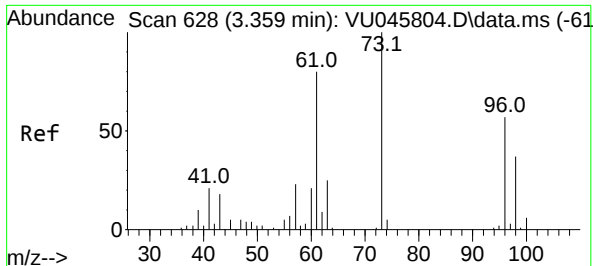
Tgt Ion:101 Resp: 511
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 7.658 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU045809.D
 Acq: 16 Nov 2021 16:03

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#

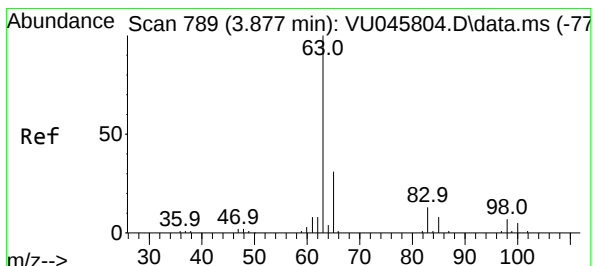
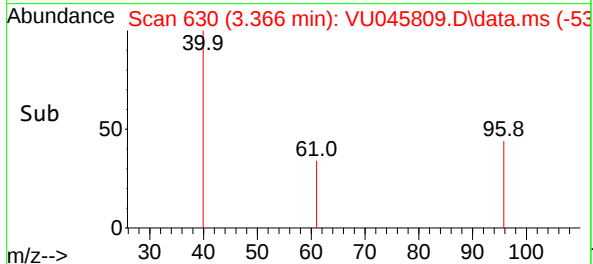
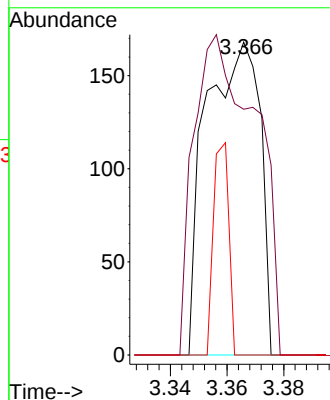
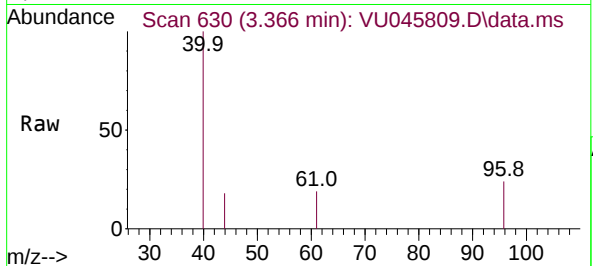




#18
trans-1,2-Dichloroethene
Concen: 0.037 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

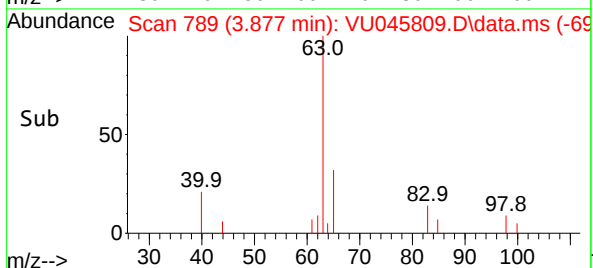
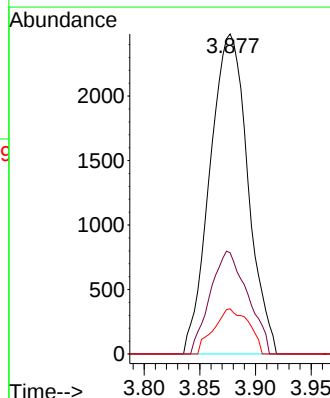
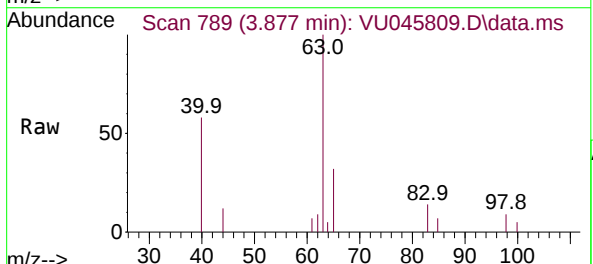
Instrument :
MSVOA_U
ClientSampleId :

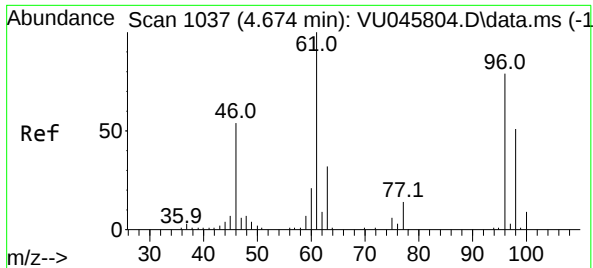
Tgt Ion: 96 Resp: 222
Ion Ratio Lower Upper
96 100
61 78.6 100.8 187.2#
98 0.0 45.1 83.7#



#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# 1036

Delta R.T. -0.003 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :

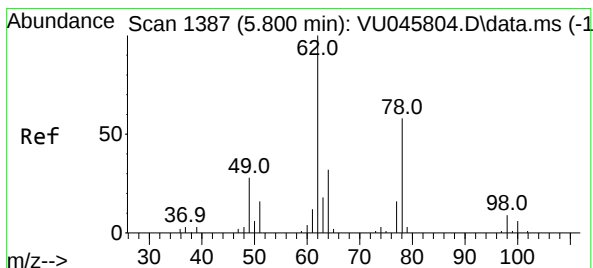
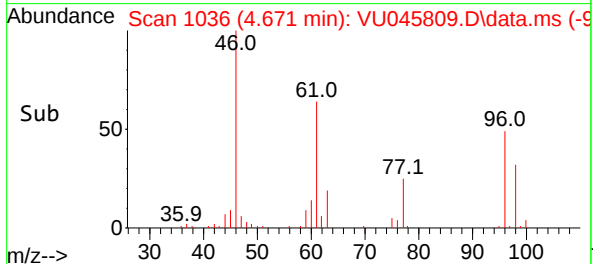
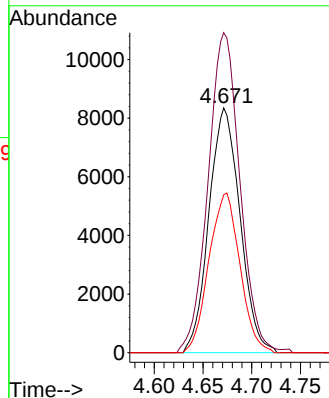
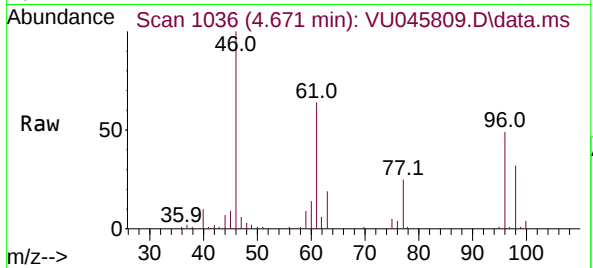
Tgt Ion: 96 Resp: 18546

Ion Ratio Lower Upper

96 100

61 130.8 88.5 164.3

98 64.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 0.100 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU045809.D

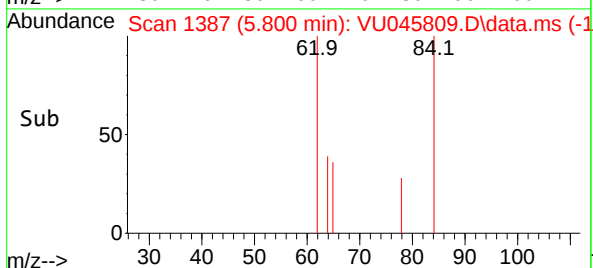
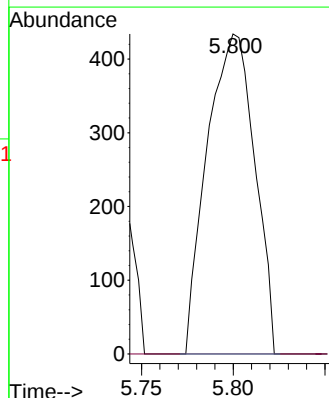
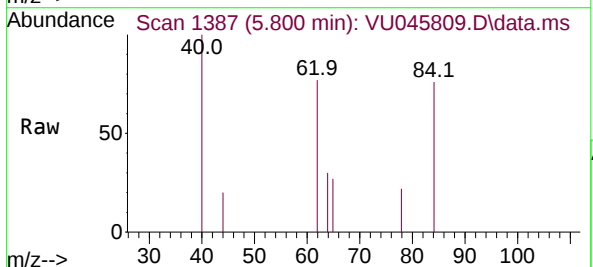
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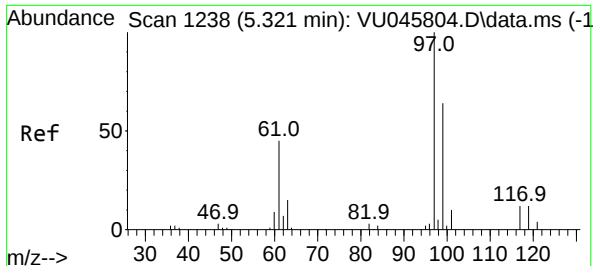
Tgt Ion: 62 Resp: 783

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 1.794 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :

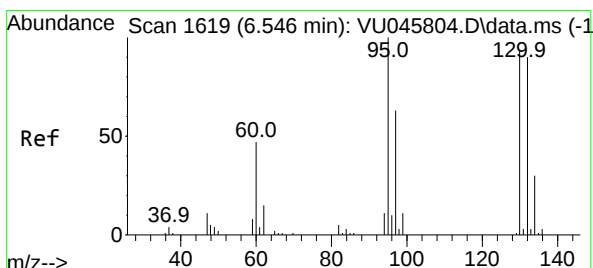
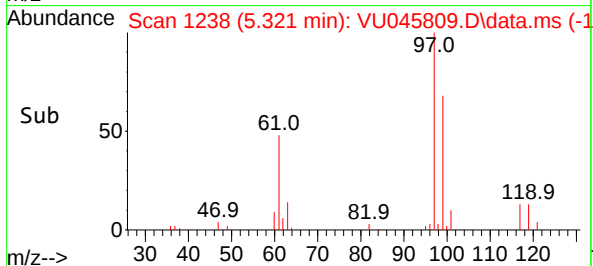
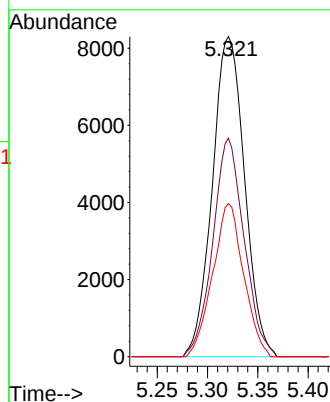
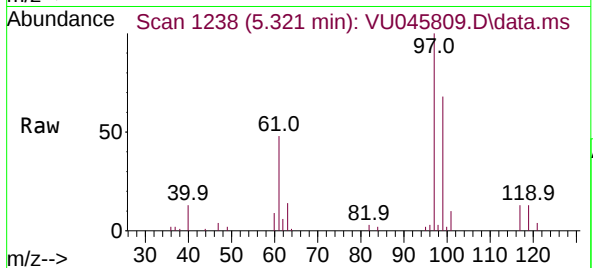
Tgt Ion: 97 Resp: 18536

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# 1619

Delta R.T. 0.000 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Tgt Ion: 95 Resp: 287524

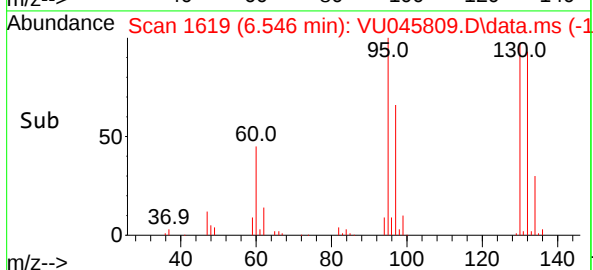
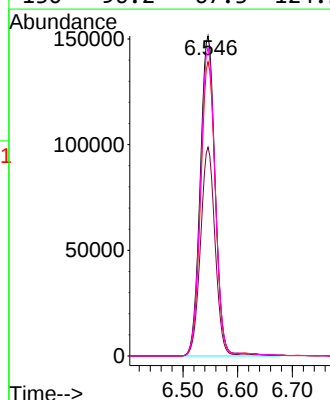
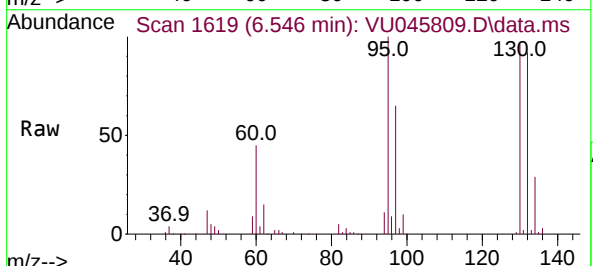
Ion Ratio Lower Upper

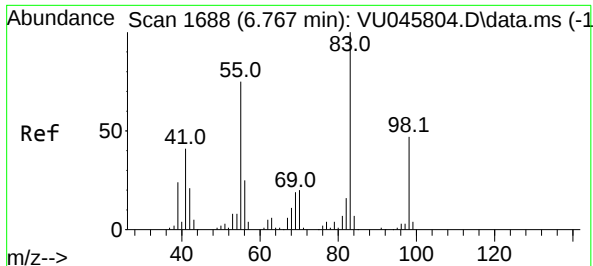
95 100

97 65.2 46.5 86.5

132 92.0 65.1 120.9

130 96.2 67.3 124.9

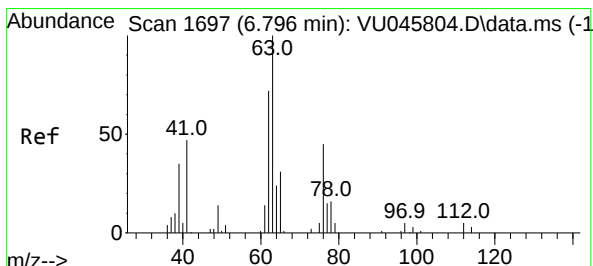
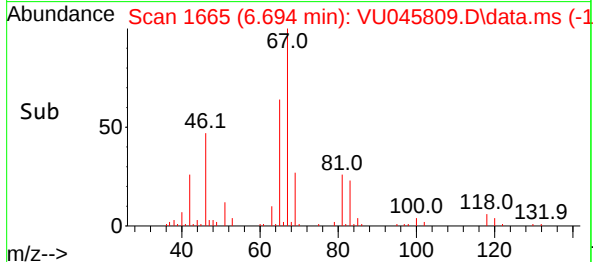
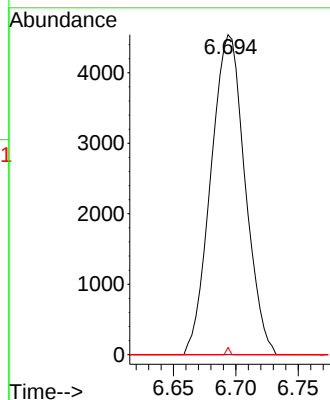
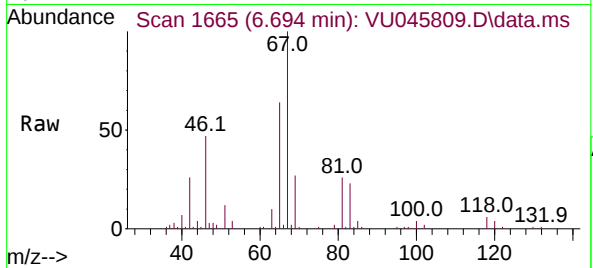




#35
Methylcyclohexane
Concen: 0.824 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

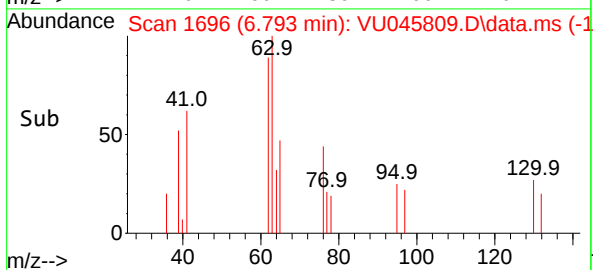
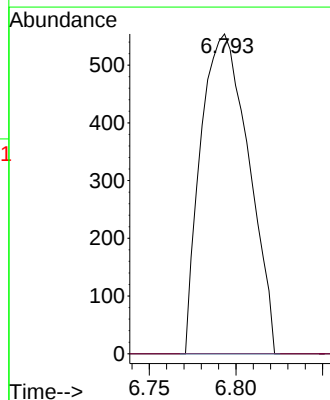
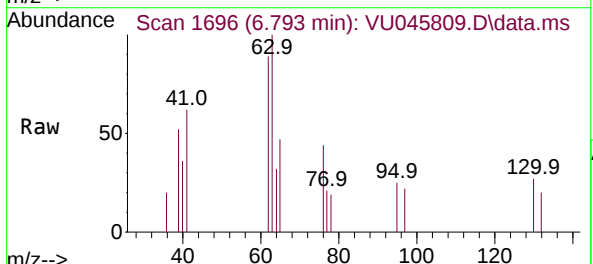
Instrument :
MSVOA_U
ClientSampleId :

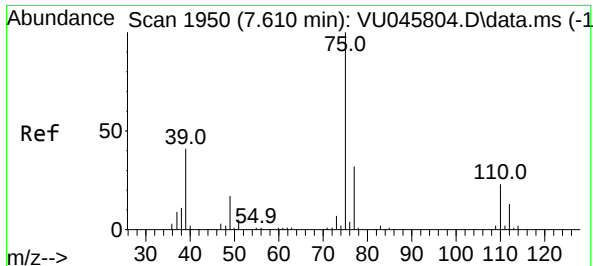
Tgt Ion: 83 Resp: 8659
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.152 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU045809.D
Acq: 16 Nov 2021 16:03

Tgt Ion: 63 Resp: 1063
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

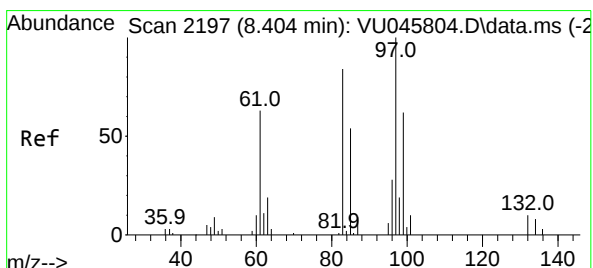
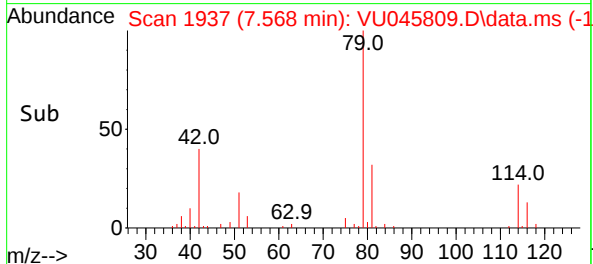
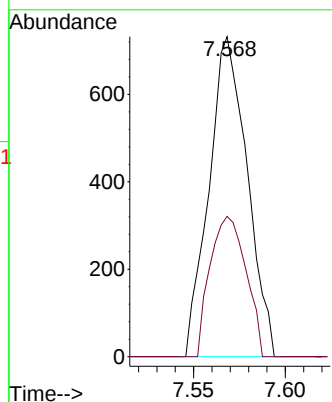
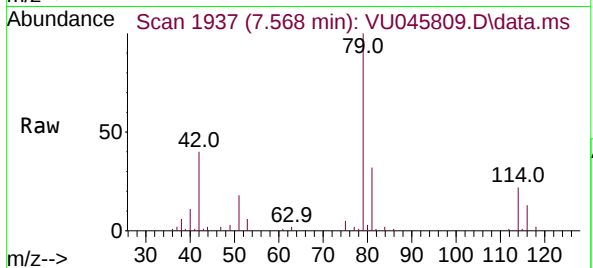
ClientSampleId :

Tgt Ion: 75 Resp: 1058

Ion Ratio Lower Upper

75 100

77 43.9 22.5 41.9#



#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

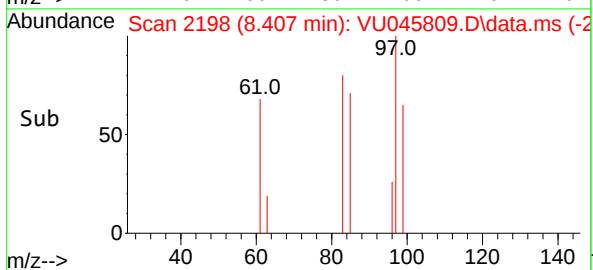
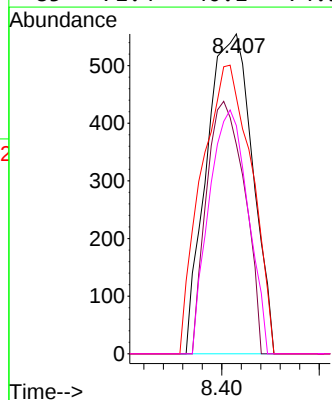
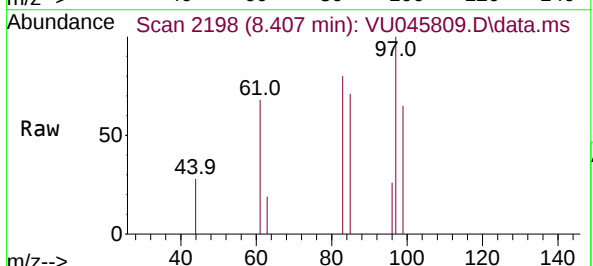
Ion Ratio Lower Upper

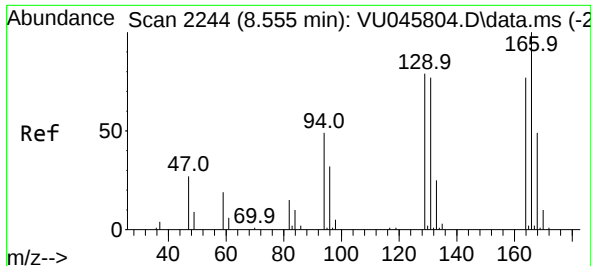
97 100

99 65.4 42.3 78.5

83 80.2 62.0 115.2

85 71.4 40.1 74.5





#47

Tetrachloroethene

Concen: 212.663 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. 0.003 min

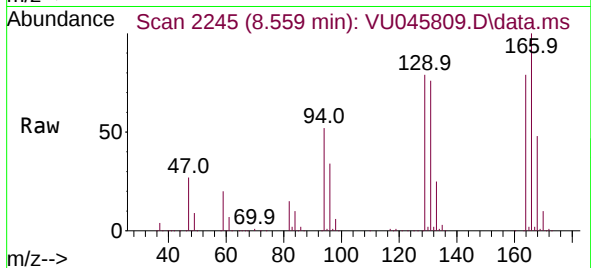
Lab File: VU045809.D

Acq: 16 Nov 2021 16:03

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 1018401

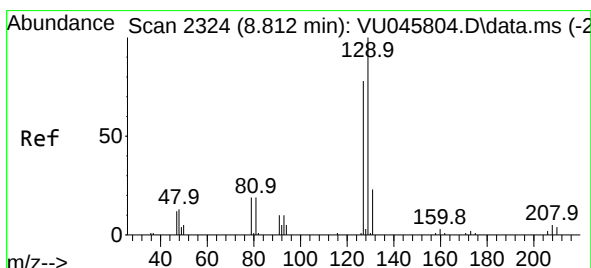
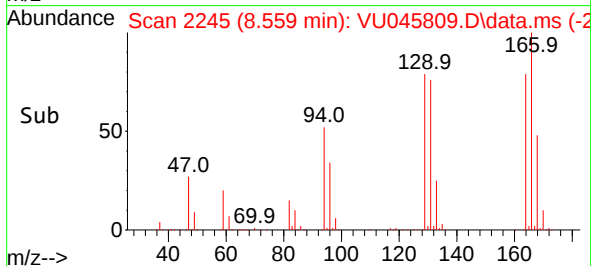
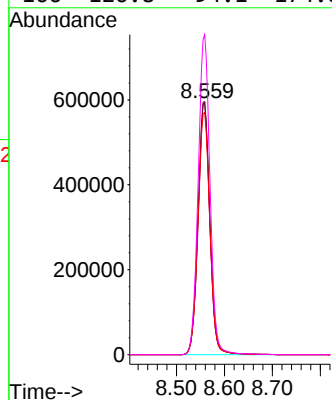
Ion Ratio Lower Upper

164 100

129 100.3 71.8 133.4

131 95.9 68.5 127.3

166 126.8 94.1 174.8



#49

Dibromochloromethane

Concen: 171.910 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.254 min

Lab File: VU045809.D

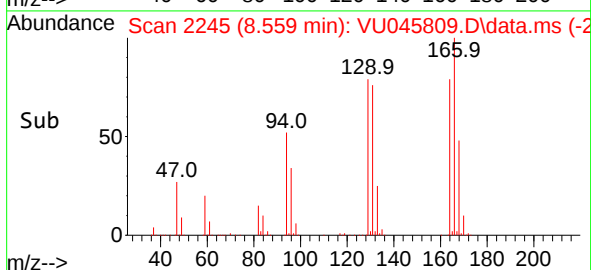
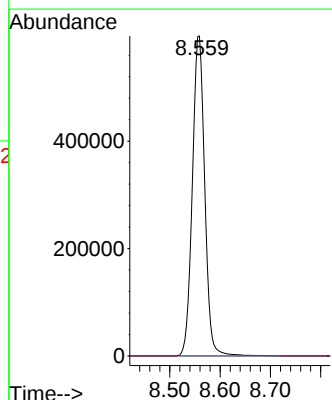
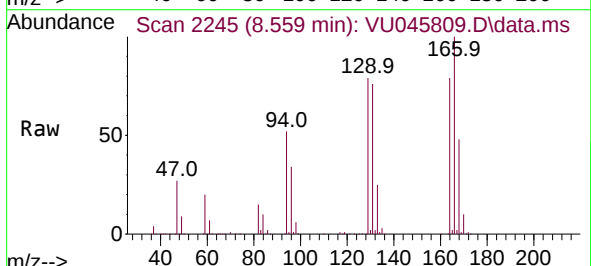
Acq: 16 Nov 2021 16:03

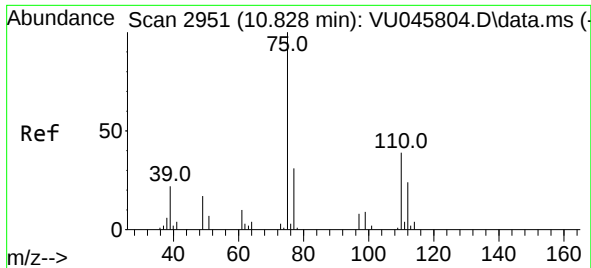
Tgt Ion:129 Resp: 1015370

Ion Ratio Lower Upper

129 100

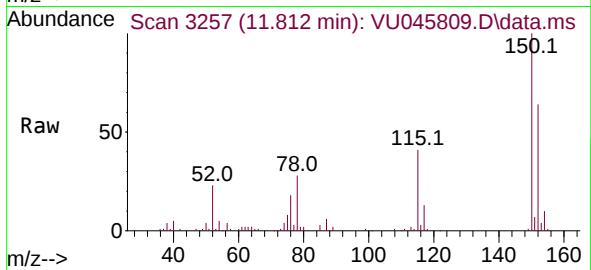
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.230 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.984 min
 Lab File: VU045809.D
 Acq: 16 Nov 2021 16:03

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5712
 Ion Ratio Lower Upper
 75 100
 110 1.9 29.9 44.9#
 77 34.4 25.5 38.3

