

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045841.D
 Acq On : 17 Nov 2021 15:37
 Operator : SY/MD
 Sample : M4686-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 18 02:21:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95292	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	100796	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46066	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	21439	2.840	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.800%
7) Chloroethane-d5	1.916	69	19196	3.493	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.800%
11) 1,1-Dichloroethene-d2	2.572	65	9648	3.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	4.642	46	107611	53.187	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.380%
24) Chloroform-d	5.067	84	44970	3.575	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.600%
26) 1,2-Dichloroethane-d4	5.706	65	30540	4.138	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.732	84	95336	3.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.600%#
36) 1,2-Dichloropropane-d6	6.694	67	34151	3.904	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.903	98	80287	3.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.000%#
43) trans-1,3-Dichloroprop...	8.182	79	12889	3.629	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.600%
46) 2-Hexanone-d5	8.636	63	72737	45.505	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.000%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	32529	4.401	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	34833	4.404	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	2491	0.321	ug/L	100
3) Chloromethane	1.520	50	2005	0.244	ug/L	93
9) Trichlorofluoromethane	2.144	101	5582	0.524	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1318	0.211	ug/L #	78
12) 1,1-Dichloroethene	2.581	96	1296	0.220	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	2490	0.162	ug/L #	87
18) trans-1,2-Dichloroethene	3.356	96	893	0.141	ug/L	93
19) 1,1-Dichloroethane	3.874	63	1187	0.100	ug/L #	89
22) cis-1,2-Dichloroethene	4.671	96	39177	5.714	ug/L	100
25) Chloroform	5.096	83	10337	0.804	ug/L	93
31) Carbon tetrachloride	5.533	117	589	0.064	ug/L	97
34) Trichloroethene	6.546	95	377216	52.037	ug/L	99
35) Methylcyclohexane	6.694	83	7944	0.714	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	3536	0.478	ug/L #	88
47) Tetrachloroethene	8.555	164	45532	8.972	ug/L	96
49) Dibromochloromethane	8.555	129	44370	7.089	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5940	1.242	ug/L #	68

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ALS Vial : 15 Sample Multiplier: 1

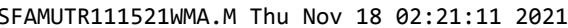
Instrument :
MSVOA_U
ClientSampleId :

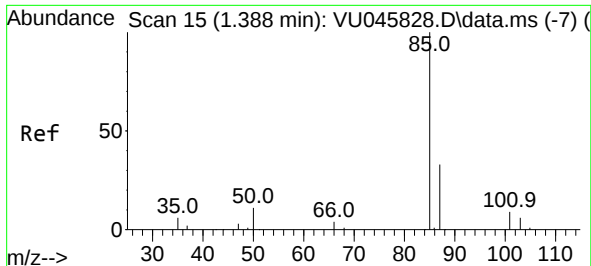
Quant Time: Nov 18 02:21:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 18 02:11:55 2021
Response via : Initial Calibration

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

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

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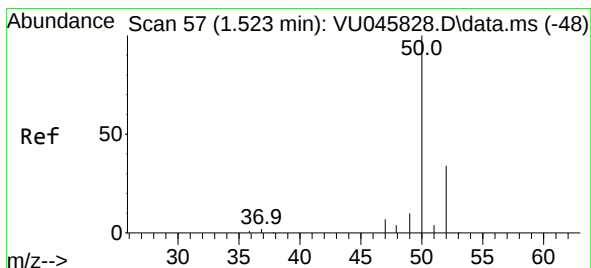
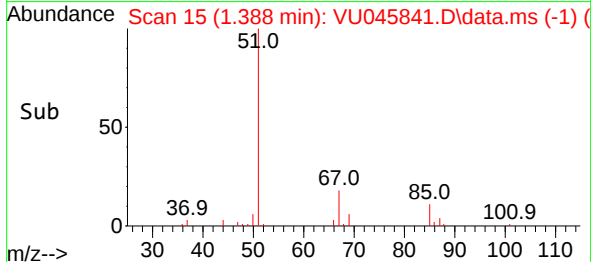
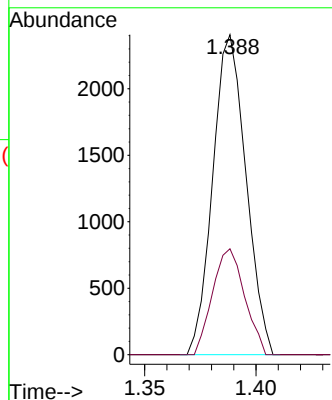
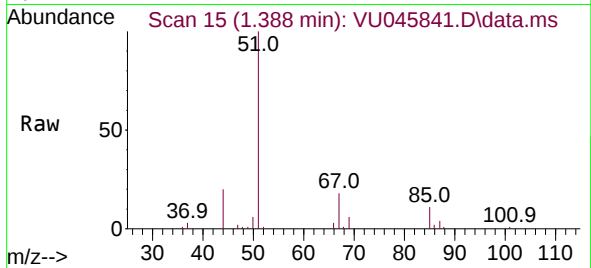




#2
Dichlorodifluoromethane
Concen: 0.321 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

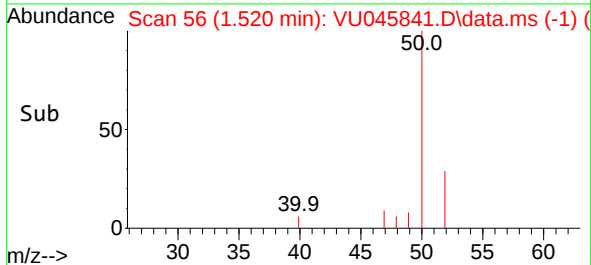
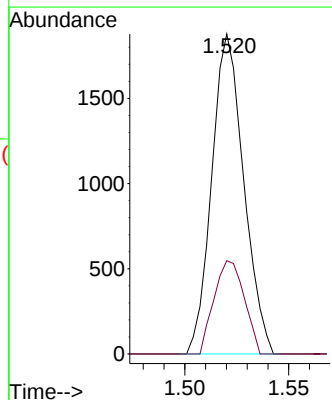
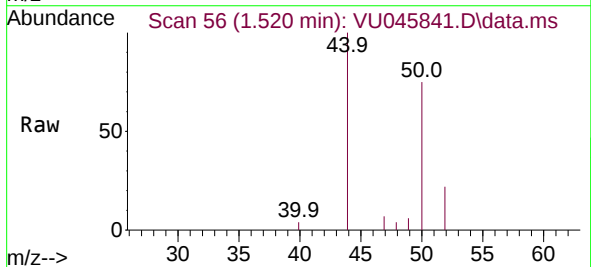
Instrument :
MSVOA_U
ClientSampleId :

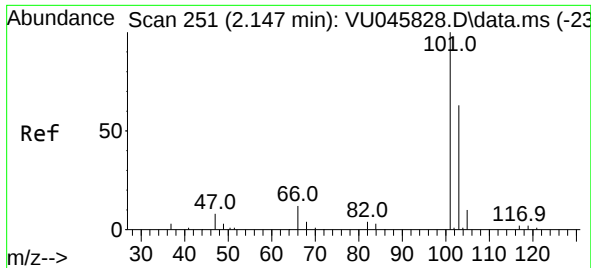
Tgt Ion: 85 Resp: 2491
Ion Ratio Lower Upper
85 100
87 32.0 25.8 38.6



#3
Chloromethane
Concen: 0.244 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

Tgt Ion: 50 Resp: 2005
Ion Ratio Lower Upper
50 100
52 29.2 23.0 42.8

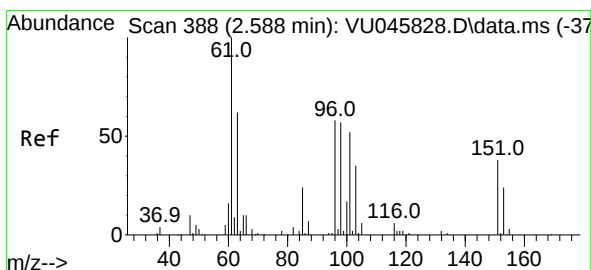
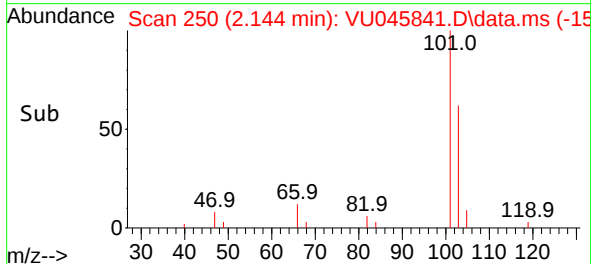
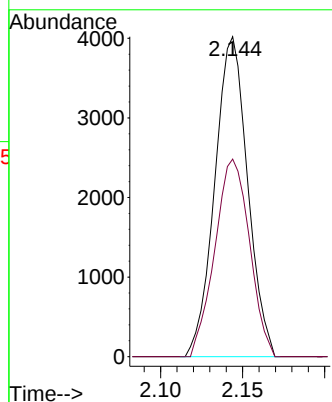
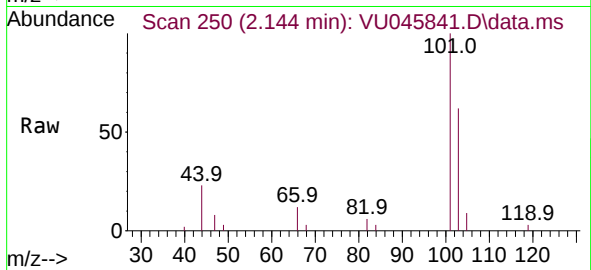




#9
 Trichlorofluoromethane
 Concen: 0.524 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU045841.D
 Acq: 17 Nov 2021 15:37

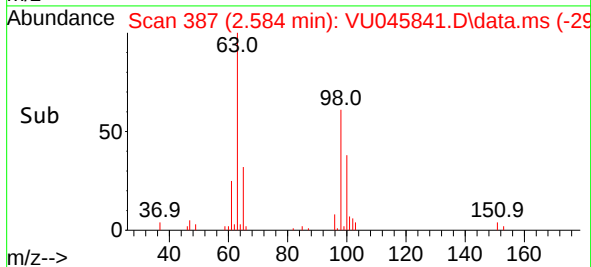
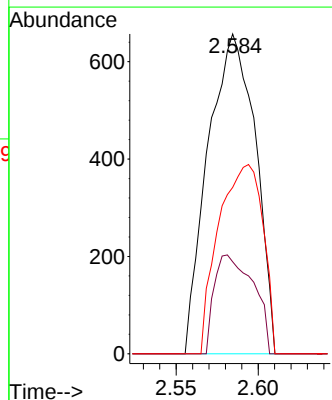
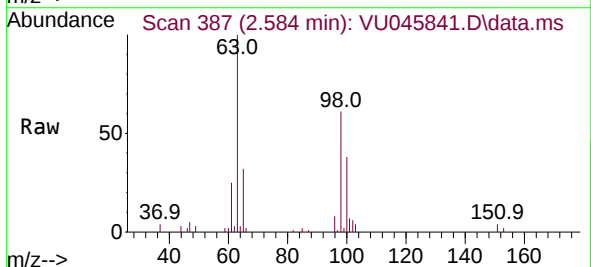
Instrument :
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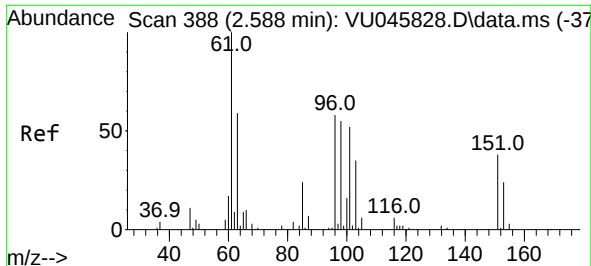
Tgt Ion:101 Resp: 5582
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.211 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU045841.D
 Acq: 17 Nov 2021 15:37

Tgt Ion:101 Resp: 1318
 Ion Ratio Lower Upper
 101 100
 85 25.5 34.6 51.8#
 151 55.3 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.220 ug/L

RT: 2.581 min Scan# 31

Delta R.T. -0.006 min

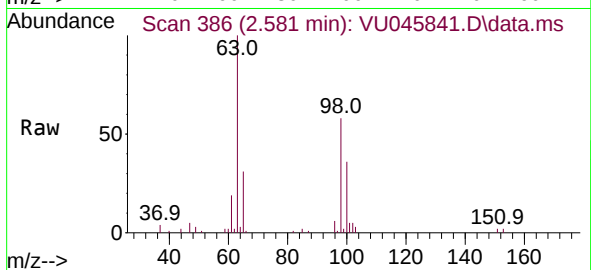
Lab File: VU045841.D

Acq: 17 Nov 2021 15:37

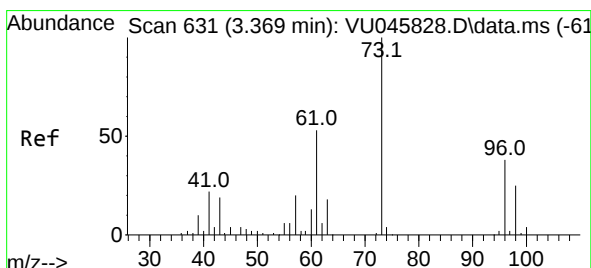
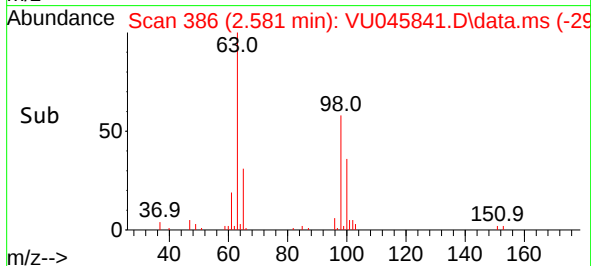
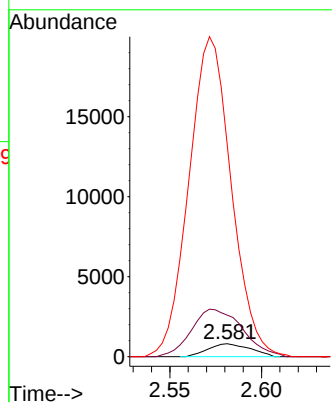
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	1296
Ion	Ratio	Lower	Upper
96	100		
61	321.1	124.7	231.5#
63	1649.4	105.2	195.4#



#17

Methyl tert-butyl Ether

Concen: 0.162 ug/L

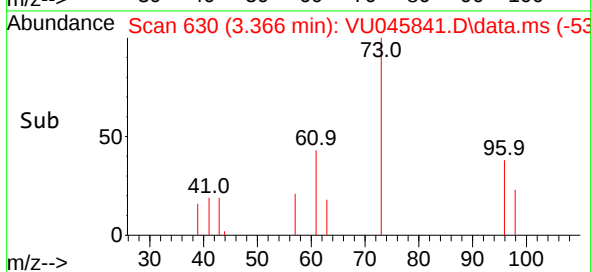
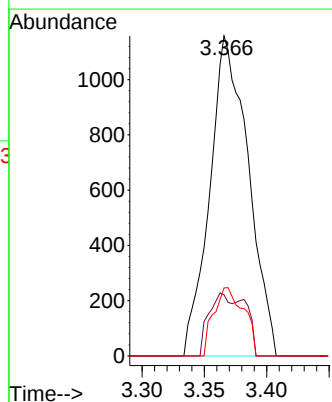
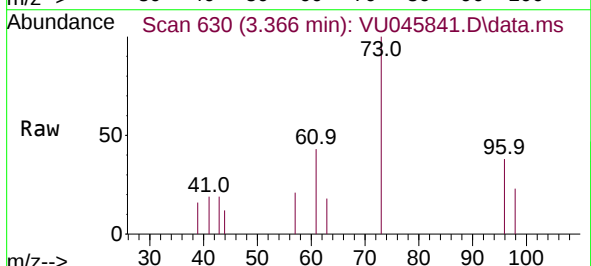
RT: 3.366 min Scan# 630

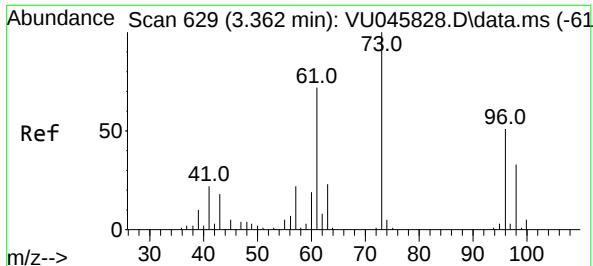
Delta R.T. -0.003 min

Lab File: VU045841.D

Acq: 17 Nov 2021 15:37

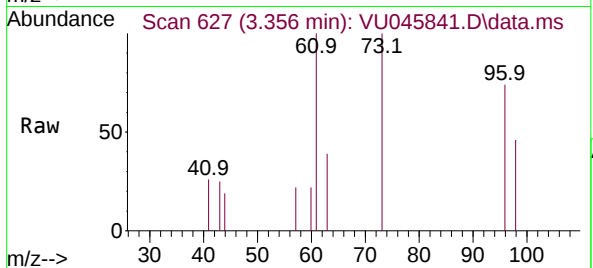
Tgt Ion:	73	Resp:	2490
Ion	Ratio	Lower	Upper
73	100		
43	11.4	14.8	22.2#
57	16.6	17.4	26.0#



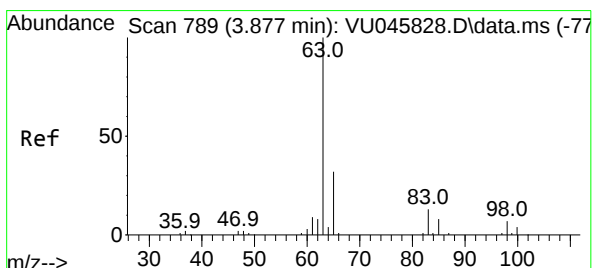
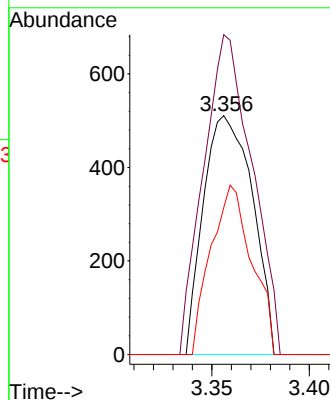
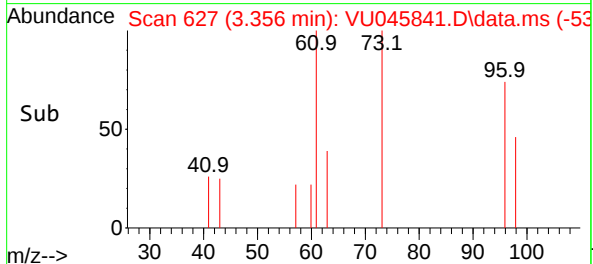


#18
trans-1,2-Dichloroethene
Concen: 0.141 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

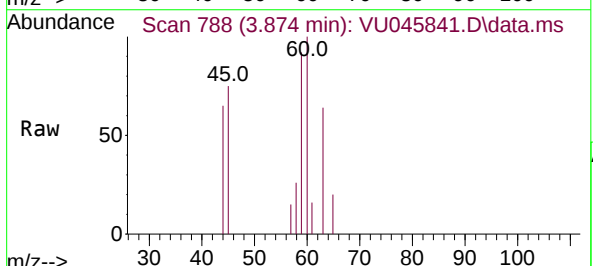
Instrument :
MSVOA_U
ClientSampleId :



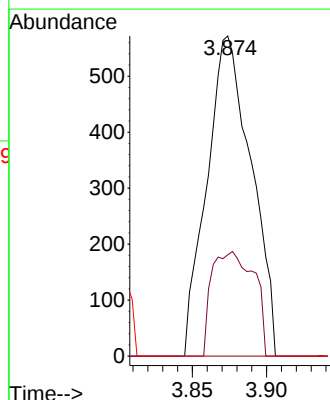
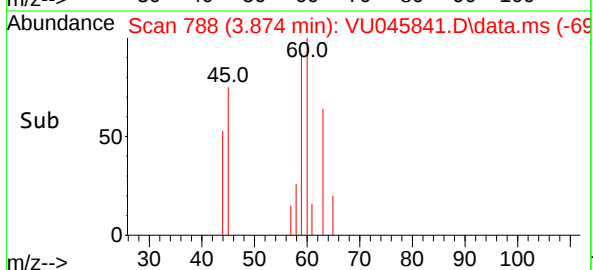
Tgt Ion: 96	Resp: 893		
Ion Ratio	Lower	Upper	
96	100		
61	133.9	100.8	187.2
98	61.4	45.1	83.7

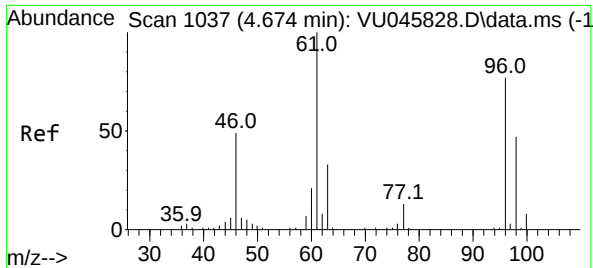


#19
1,1-Dichloroethane
Concen: 0.100 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37



Tgt Ion: 63	Resp: 1187		
Ion Ratio	Lower	Upper	
63 100			
65 31.6	22.3	41.5	
83 0.0	9.6	17.8#	

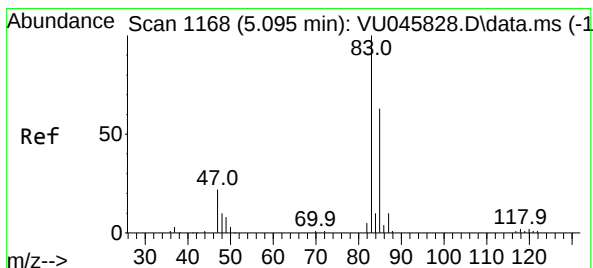
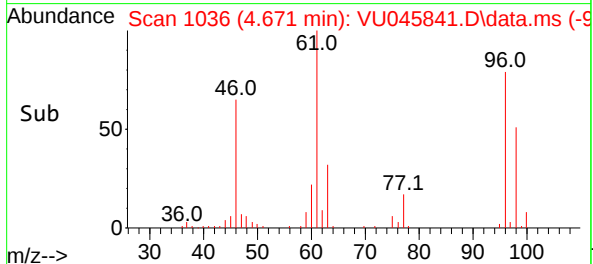
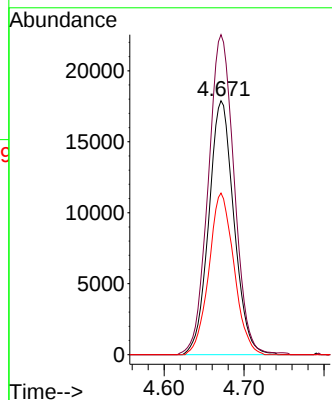
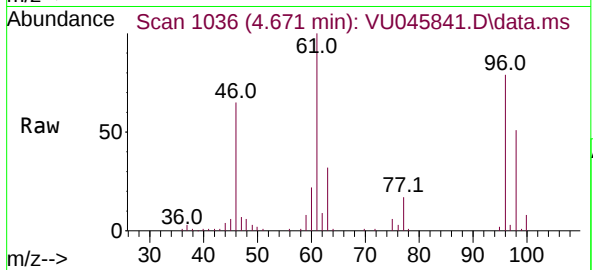




#22
 cis-1,2-Dichloroethene
 Concen: 5.714 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU045841.D
 Acq: 17 Nov 2021 15:37

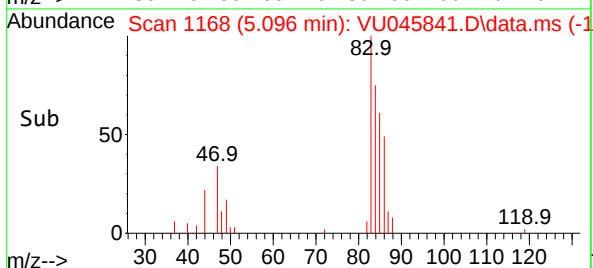
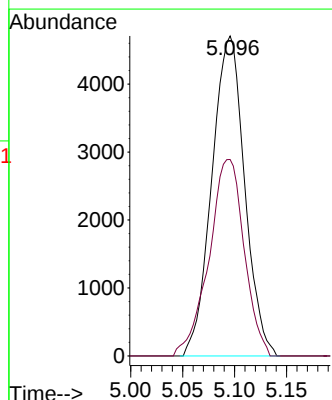
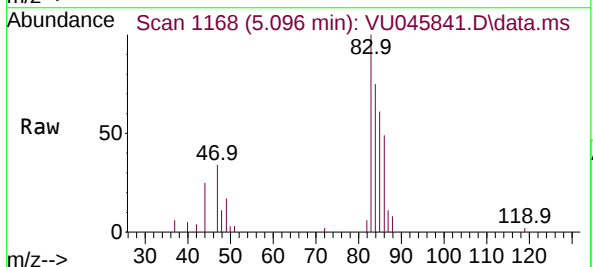
Instrument :
 MSVOA_U
 ClientSampleId :

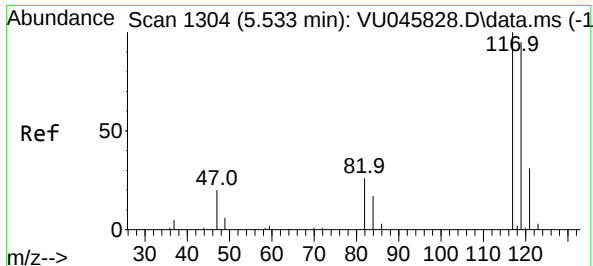
Tgt Ion: 96 Resp: 39177
 Ion Ratio Lower Upper
 96 100
 61 126.0 88.5 164.3
 98 63.7 44.4 82.5



#25
 Chloroform
 Concen: 0.804 ug/L
 RT: 5.096 min Scan# 1168
 Delta R.T. 0.000 min
 Lab File: VU045841.D
 Acq: 17 Nov 2021 15:37

Tgt Ion: 83 Resp: 10337
 Ion Ratio Lower Upper
 83 100
 85 61.4 46.9 87.1

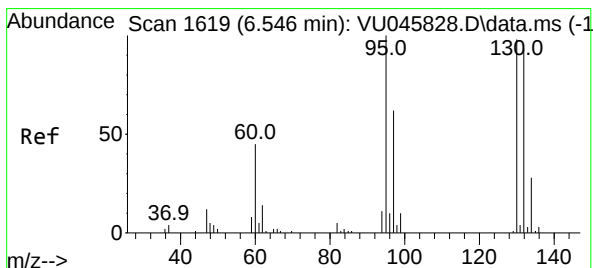
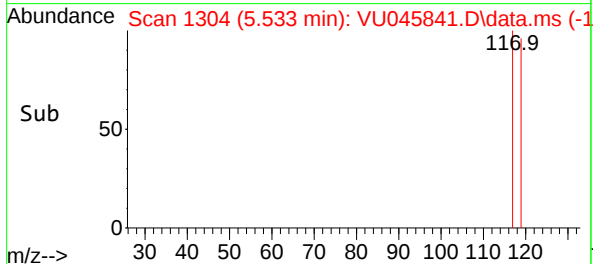
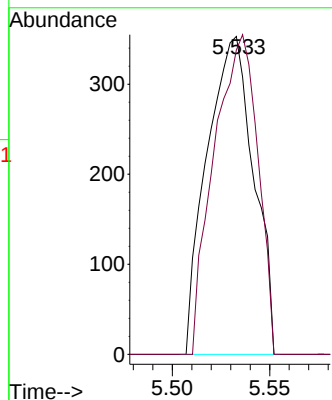
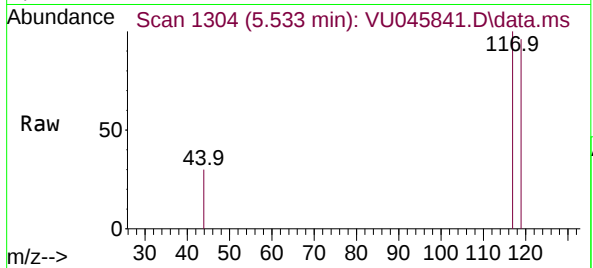




#31
Carbon tetrachloride
Concen: 0.064 ug/L
RT: 5.533 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

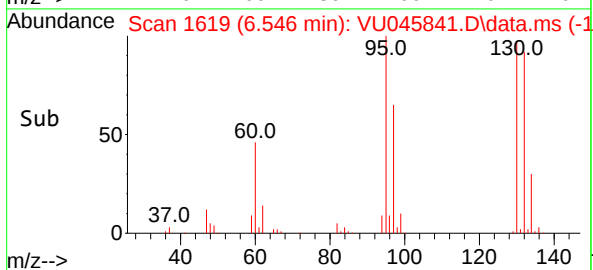
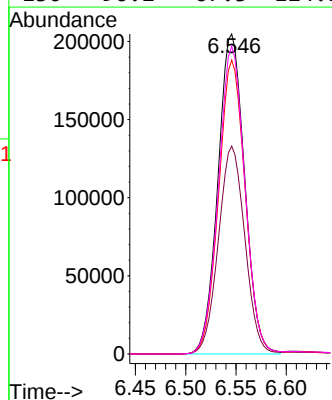
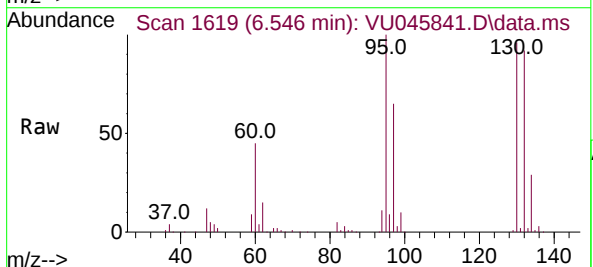
Instrument :
MSVOA_U
ClientSampleId :

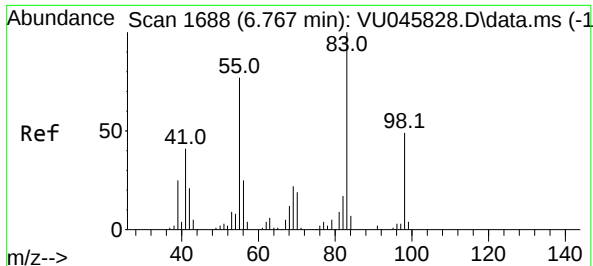
Tgt Ion:117 Resp: 589
Ion Ratio Lower Upper
117 100
119 94.1 77.5 116.3



#34
Trichloroethene
Concen: 52.037 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

Tgt Ion: 95 Resp: 377216
Ion Ratio Lower Upper
95 100
97 64.9 46.5 86.5
132 91.9 65.1 120.9
130 96.2 67.3 124.9

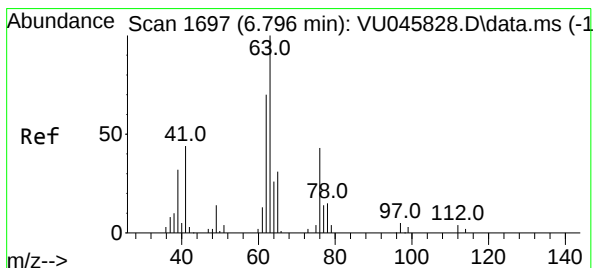
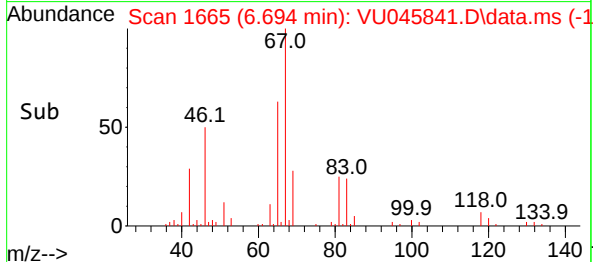
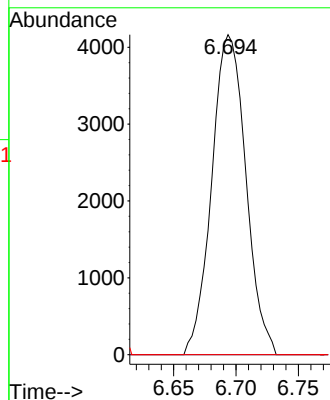
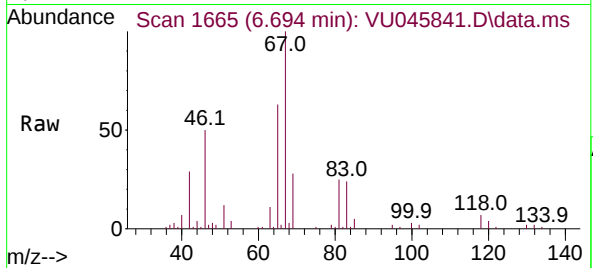




#35
Methylcyclohexane
Concen: 0.714 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

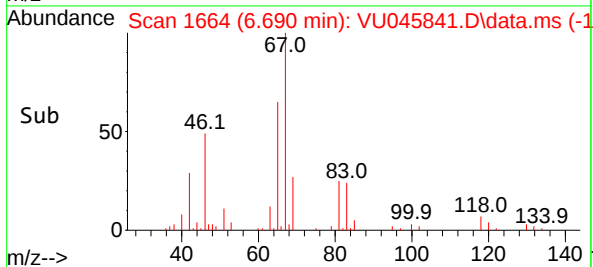
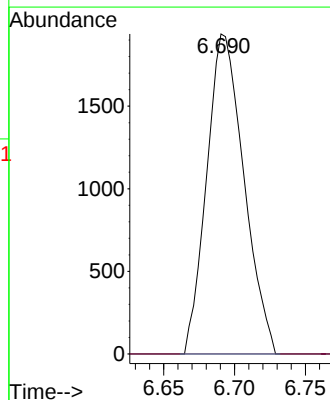
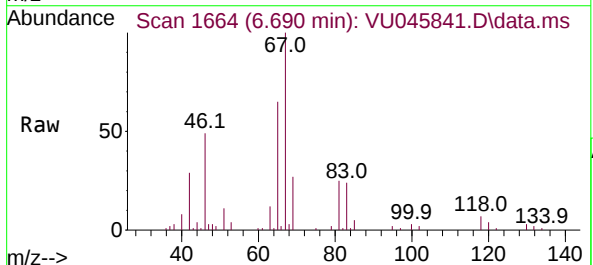
Instrument :
MSVOA_U
ClientSampleId :

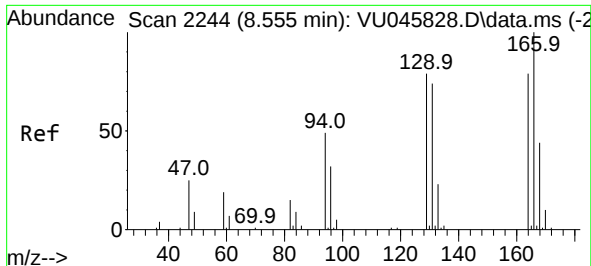
Tgt Ion: 83 Resp: 7944
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.478 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.106 min
Lab File: VU045841.D
Acq: 17 Nov 2021 15:37

Tgt Ion: 63 Resp: 3536
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 8.972 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU045841.D

Acq: 17 Nov 2021 15:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 45532

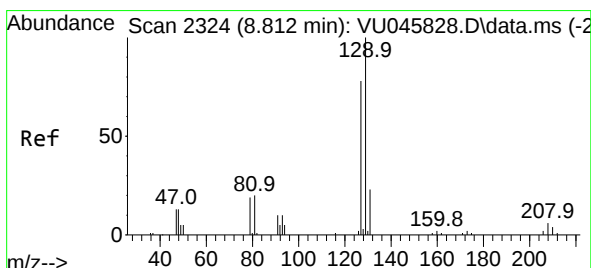
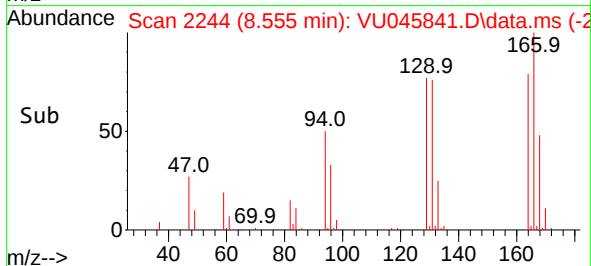
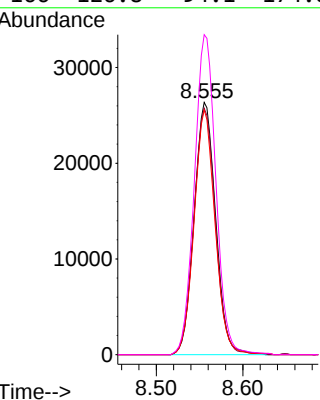
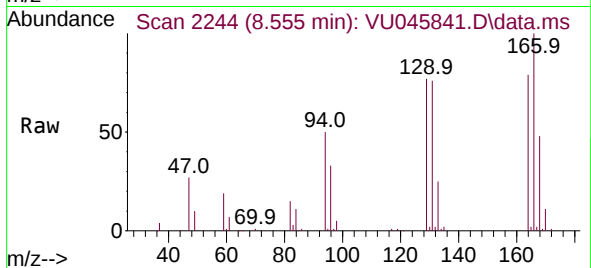
Ion Ratio Lower Upper

164 100

129 97.7 71.8 133.4

131 97.0 68.5 127.3

166 126.8 94.1 174.8



#49

Dibromochloromethane

Concen: 7.089 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU045841.D

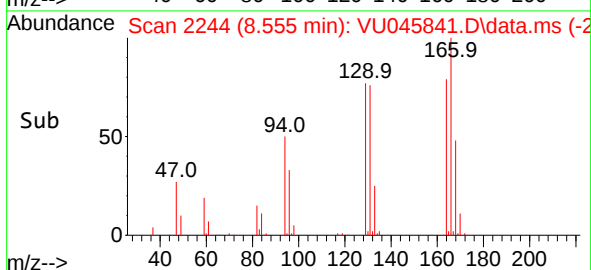
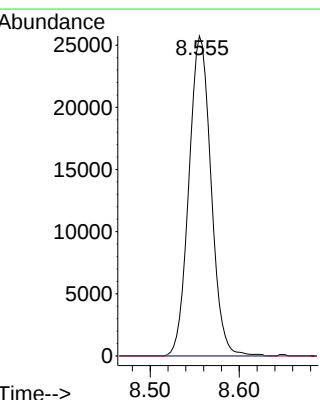
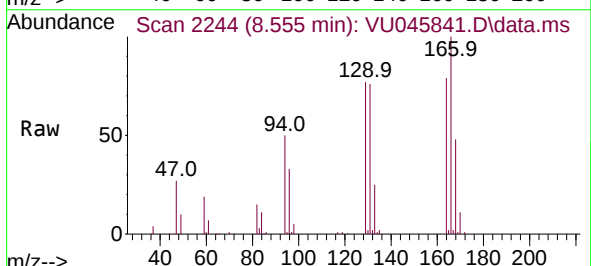
Acq: 17 Nov 2021 15:37

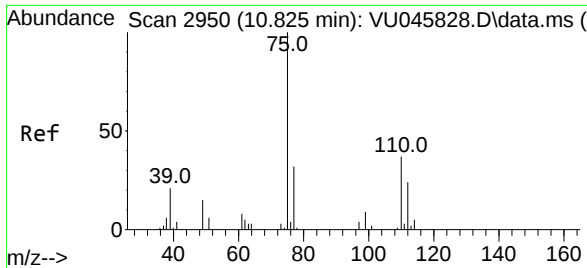
Tgt Ion:129 Resp: 44370

Ion Ratio Lower Upper

129 100

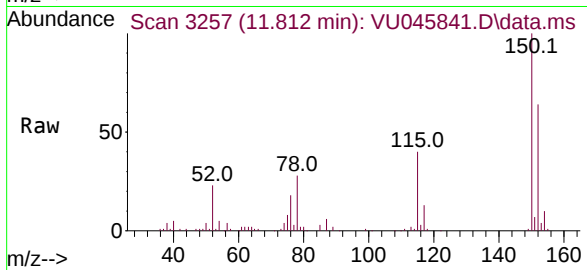
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.242 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU045841.D
 Acq: 17 Nov 2021 15:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5940
 Ion Ratio Lower Upper
 75 100
 110 2.0 29.9 44.9#
 77 31.4 25.5 38.3

