

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046877.D
 Acq On : 27 Jan 2022 18:14
 Operator : SY/MD
 Sample : N1273-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK3

Quant Time: Jan 28 01:01:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	103492	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	114902	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	53096	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	32159	3.667	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.919	69	30843	4.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.575	65	15362	4.404	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.642	46	122965	47.331	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.660%
24) Chloroform-d	5.070	84	71143	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.706	65	38508	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.732	84	135480	4.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.200%
36) 1,2-Dichloropropane-d6	6.693	67	45338	4.471	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.899	98	113253	3.664	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	8.179	79	16563	3.720	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.400%
46) 2-Hexanone-d5	8.635	63	113020	42.866	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.740%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	41146	4.042	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	42669	4.285	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.530	50	2499	0.312	ug/L	93
5) Vinyl chloride	1.610	62	63286	7.582	ug/L	98
8) Chloroethane	1.941	64	922	0.192	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	8992	1.487	ug/L #	32
12) 1,1-Dichloroethene	2.587	96	3971885	687.332	ug/L #	59
17) Methyl tert-butyl Ether	3.375	73	1962	0.121	ug/L #	66
18) trans-1,2-Dichloroethene	3.359	96	8016	1.281	ug/L	99
19) 1,1-Dichloroethane	3.877	63	626608	59.634	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	2438140	369.270	ug/L	99
25) Chloroform	5.092	83	19769	1.185	ug/L	98
27) 1,2-Dichloroethane	5.800	62	39441	5.358	ug/L	99
29) 1,1,1-Trichloroethane	5.320	97	83945	8.111	ug/L	98
31) Carbon tetrachloride	5.324	117	10694	1.204	ug/L	99
33) Benzene	5.777	78	5637	0.208	ug/L	100
34) Trichloroethene	6.552	95	9895044	1408.790	ug/L	96
35) Methylcyclohexane	6.693	83	10261	0.872	ug/L #	17
37) 1,2-Dichloropropane	6.796	63	1004	0.151	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1083	0.105	ug/L #	64
45) 1,1,2-Trichloroethane	8.404	97	18072	3.201	ug/L	95

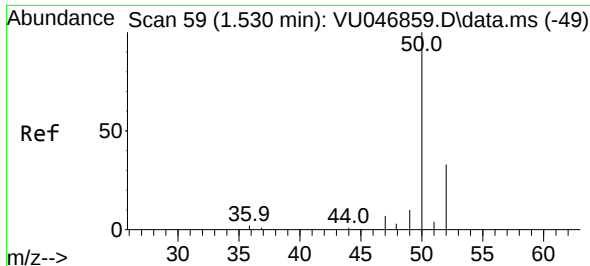
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 28 00:56:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.568	164	7019701	1228.835	ug/L	97
49) Dibromochloromethane	8.565	129	7211345	1082.778	ug/L #	10
51) Chlorobenzene	9.449	112	2521	0.134	ug/L	90

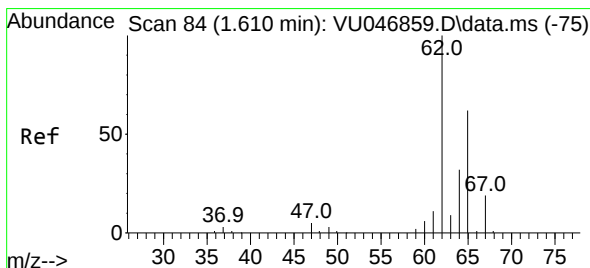
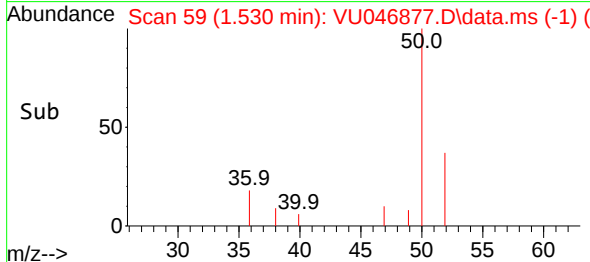
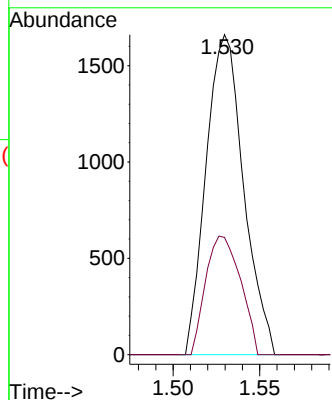
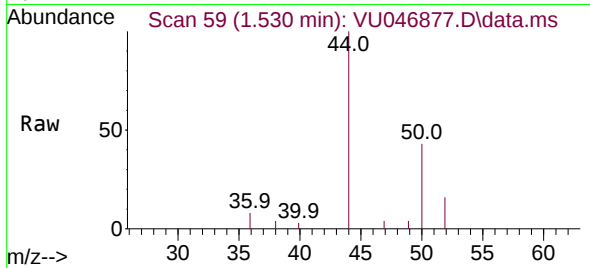
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.312 ug/L
RT: 1.530 min Scan# 59
Delta R.T. -0.000 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

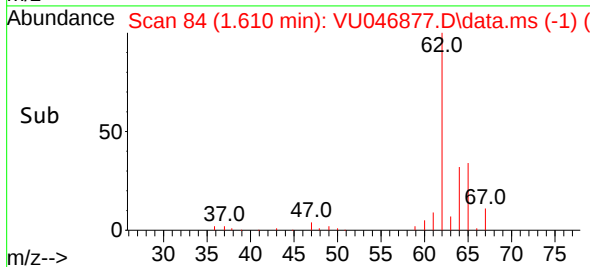
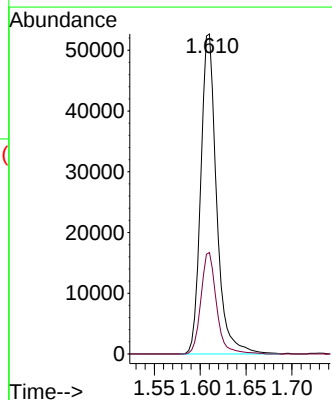
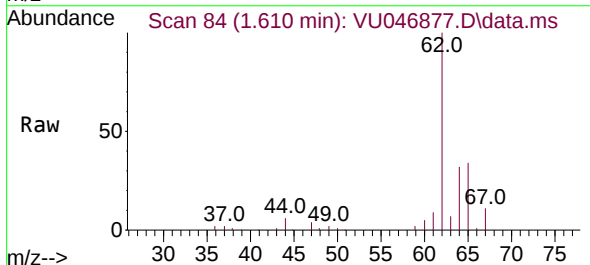
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

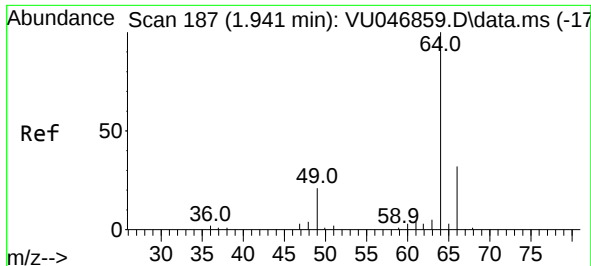
Tgt Ion: 50 Resp: 2499
Ion Ratio Lower Upper
50 100
52 36.7 23.0 42.8



#5
Vinyl chloride
Concen: 7.582 ug/L
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion: 62 Resp: 63286
Ion Ratio Lower Upper
62 100
64 31.7 22.9 42.5

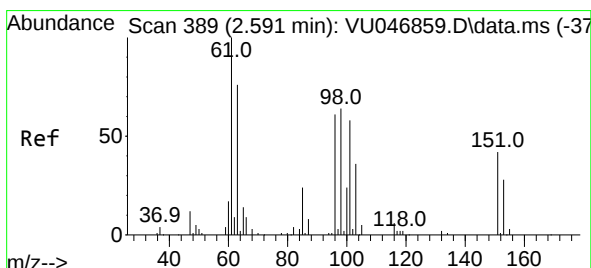
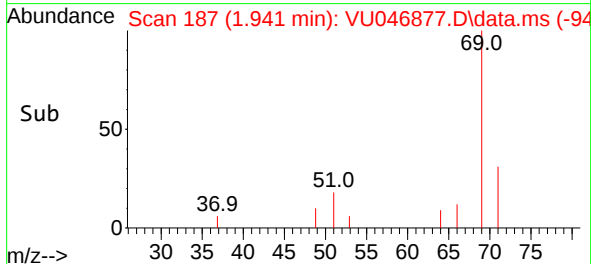
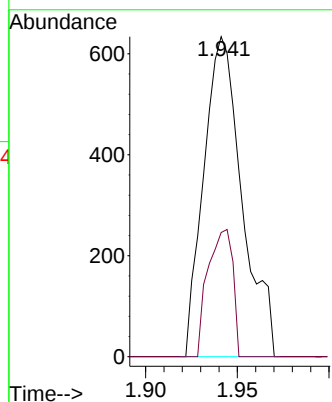
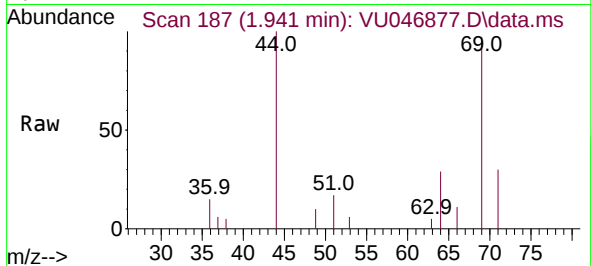




#8
Chloroethane
Concen: 0.192 ug/L
RT: 1.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

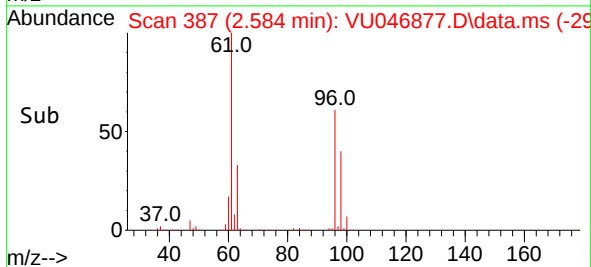
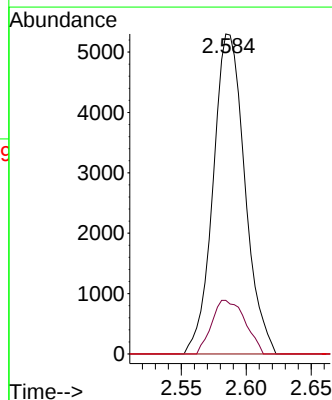
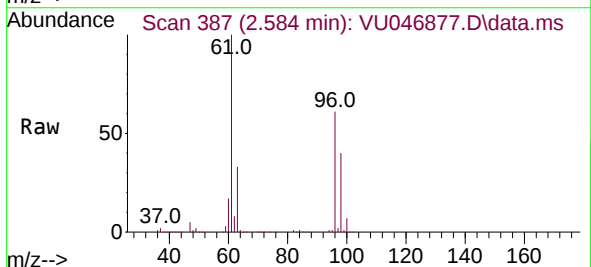
Instrument :
MSVOA_U
ClientSampleId :
COHK3

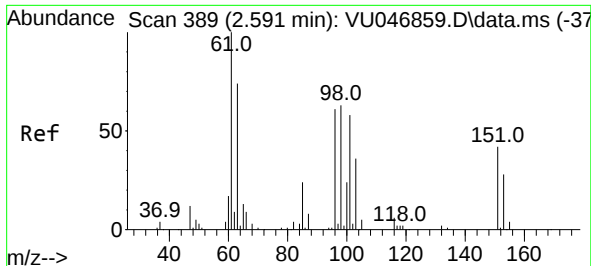
Tgt Ion: 64 Resp: 922
Ion Ratio Lower Upper
64 100
66 38.8 22.1 41.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.487 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.007 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion:101 Resp: 8992
Ion Ratio Lower Upper
101 100
85 17.6 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 687.332 ug/L

RT: 2.587 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046877.D

Acq: 27 Jan 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

C0HK3

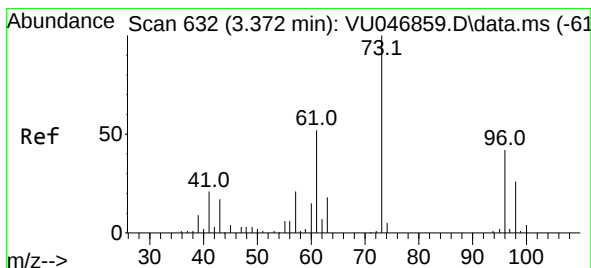
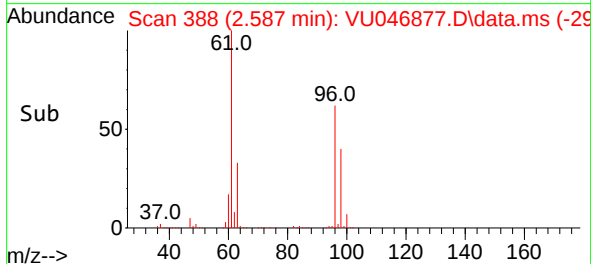
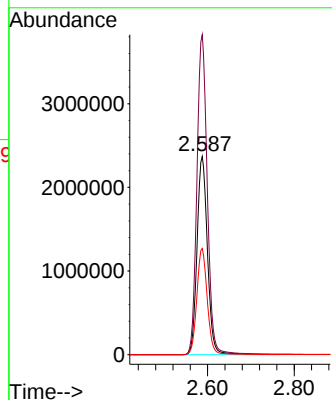
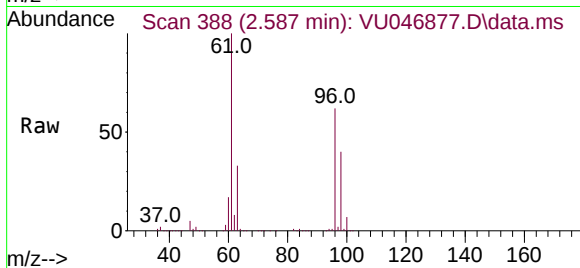
Tgt Ion: 96 Resp: 3971885

Ion Ratio Lower Upper

96 100

61 161.4 124.7 231.5

63 53.6 105.2 195.4#



#17

Methyl tert-butyl Ether

Concen: 0.121 ug/L

RT: 3.375 min Scan# 633

Delta R.T. 0.003 min

Lab File: VU046877.D

Acq: 27 Jan 2022 18:14

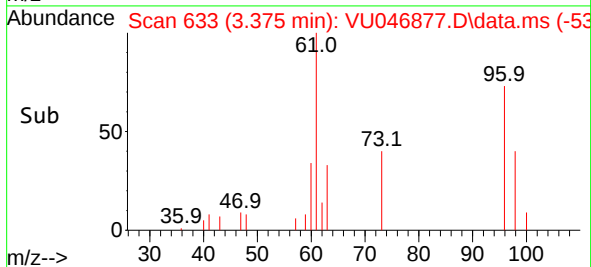
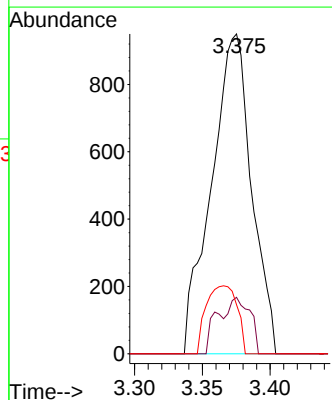
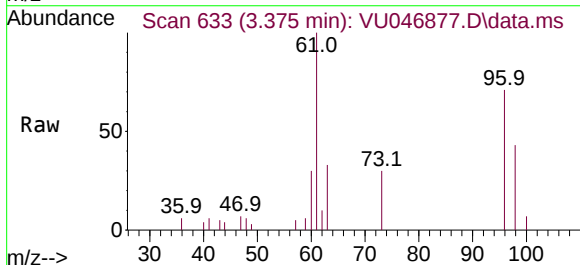
Tgt Ion: 73 Resp: 1962

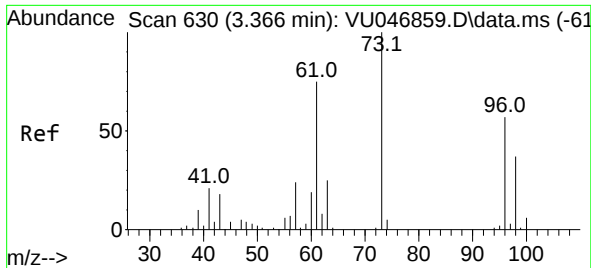
Ion Ratio Lower Upper

73 100

43 9.5 14.8 22.2#

57 0.0 17.4 26.0#

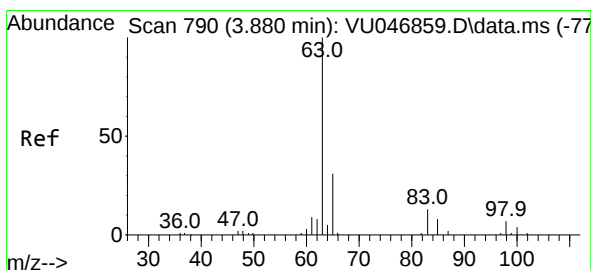
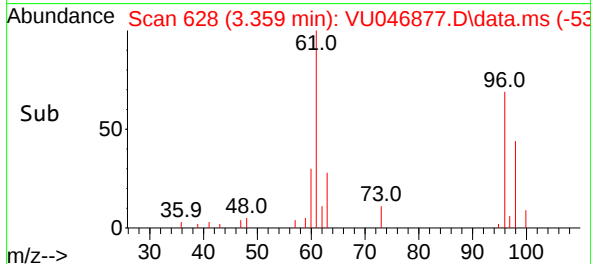
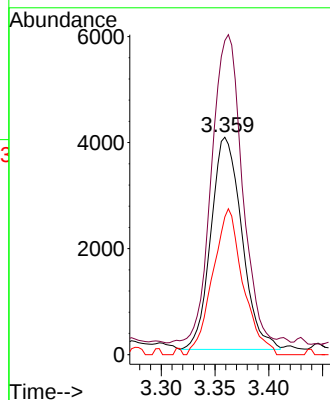
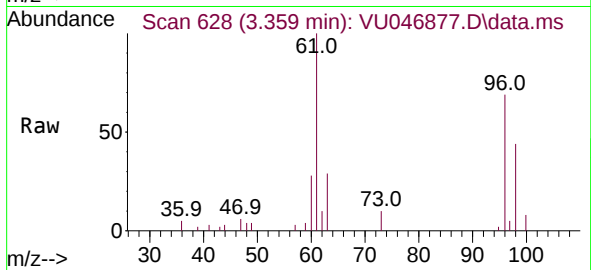




#18
trans-1,2-Dichloroethene
Concen: 1.281 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

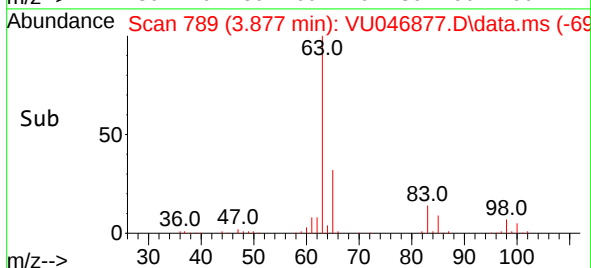
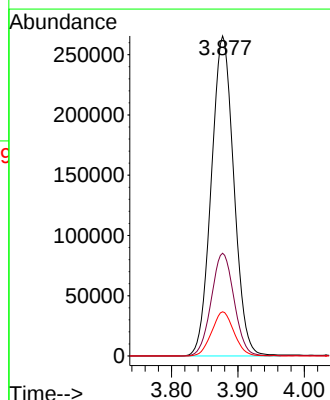
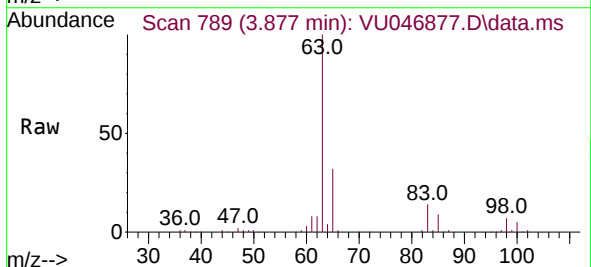
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

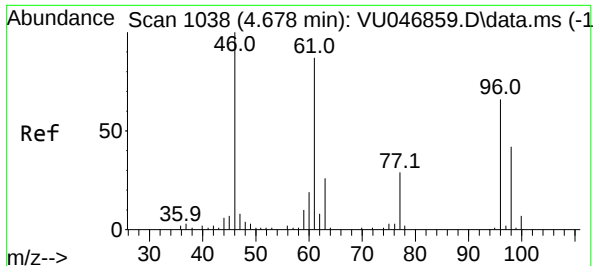
Tgt Ion: 96 Resp: 8016
Ion Ratio Lower Upper
96 100
61 144.4 100.8 187.2
98 63.3 45.1 83.7



#19
1,1-Dichloroethane
Concen: 59.634 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.003 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion: 63 Resp: 626608
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.5
83 13.8 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 369.270 ug/L

RT: 4.671 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VU046877.D

Acq: 27 Jan 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

C0HK3

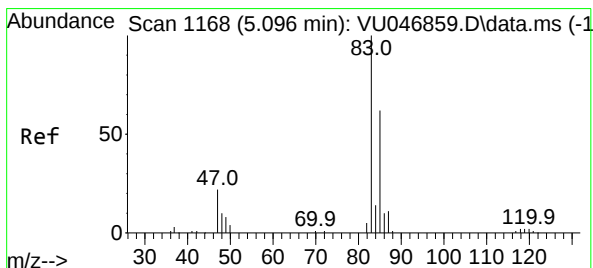
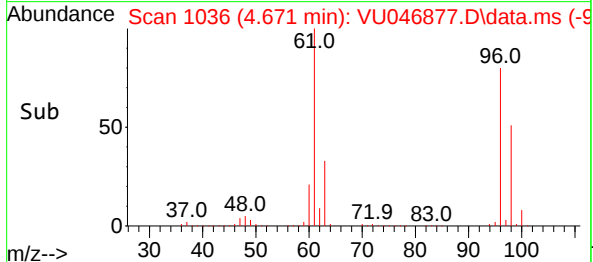
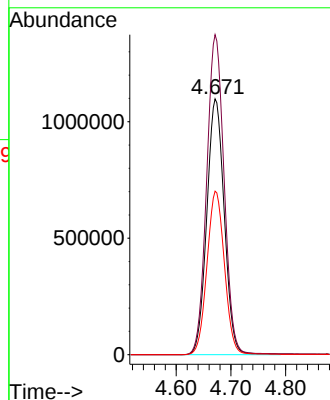
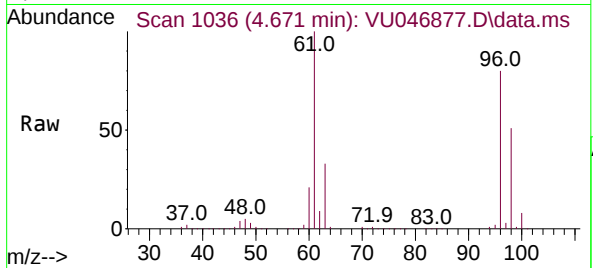
Tgt Ion: 96 Resp: 2438140

Ion Ratio Lower Upper

96 100

61 125.1 88.5 164.3

98 63.9 44.4 82.5



#25

Chloroform

Concen: 1.185 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046877.D

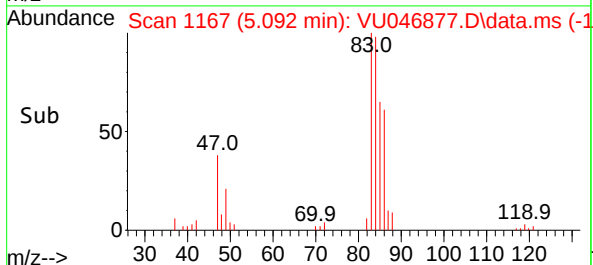
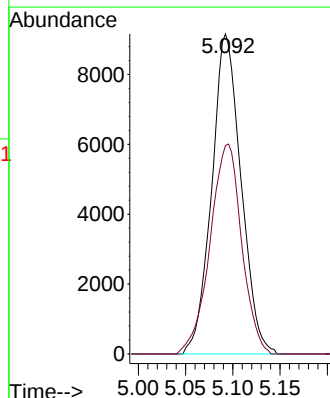
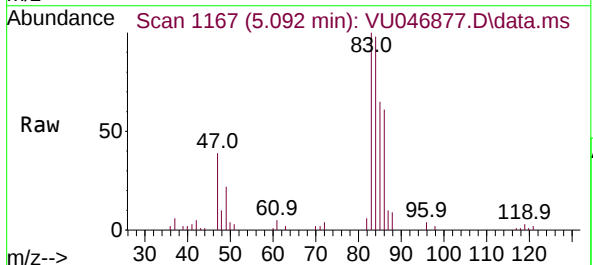
Acq: 27 Jan 2022 18:14

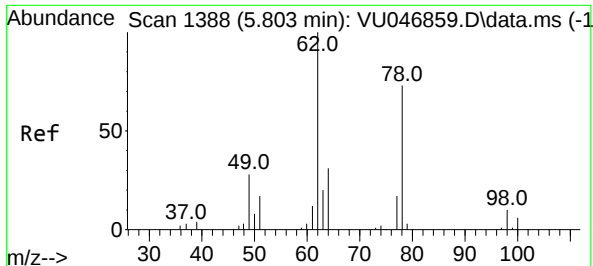
Tgt Ion: 83 Resp: 19769

Ion Ratio Lower Upper

83 100

85 65.1 46.9 87.1

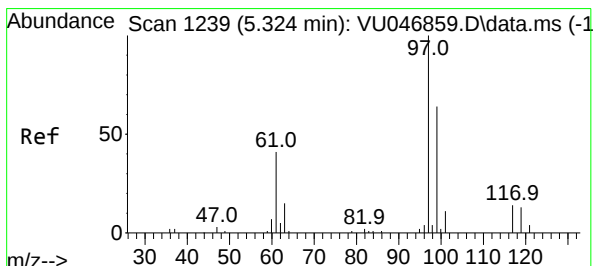
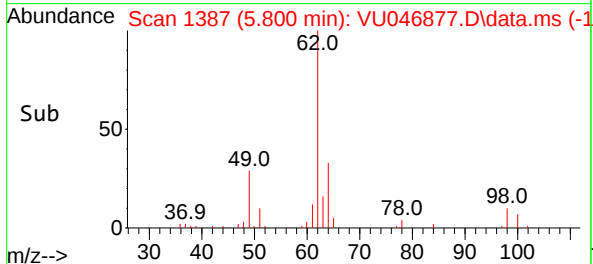
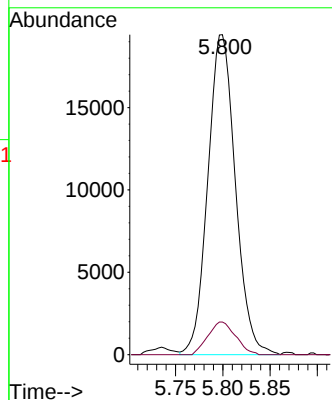
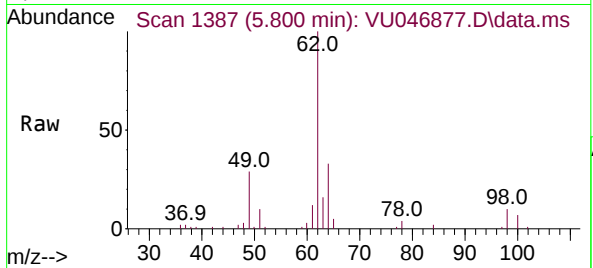




#27
1,2-Dichloroethane
Concen: 5.358 ug/L
RT: 5.800 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

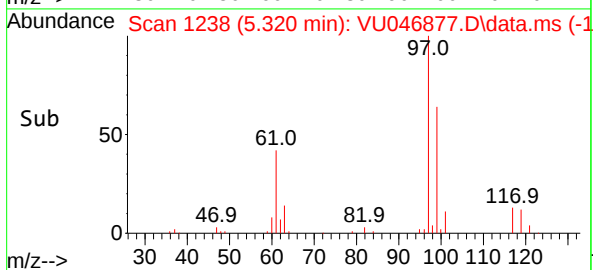
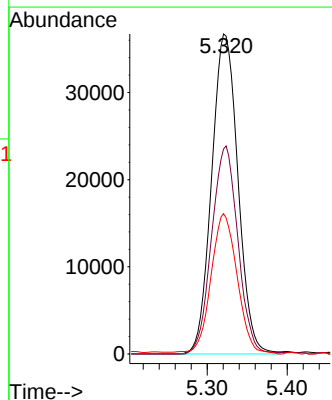
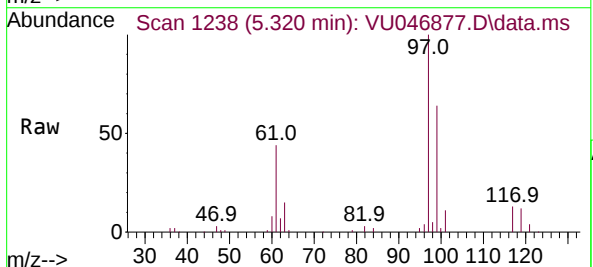
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

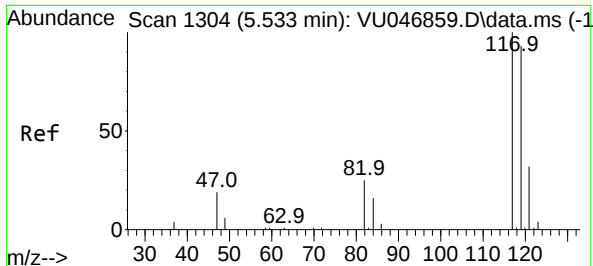
Tgt Ion: 62 Resp: 39441
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 8.111 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion: 97 Resp: 83945
Ion Ratio Lower Upper
97 100
99 65.0 51.3 76.9
61 43.8 36.1 54.1

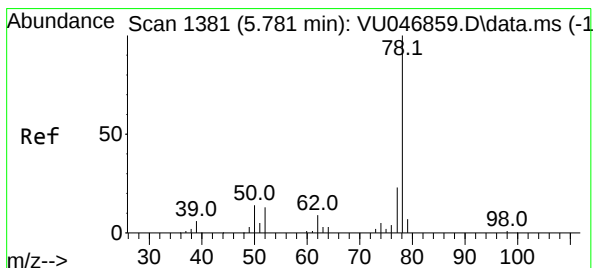
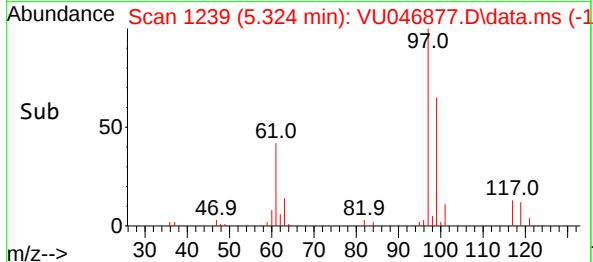
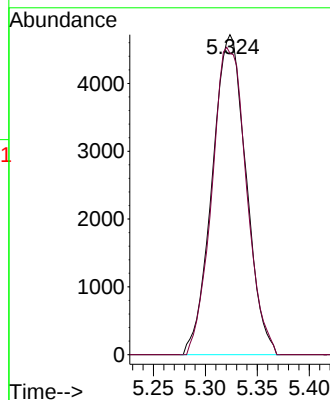
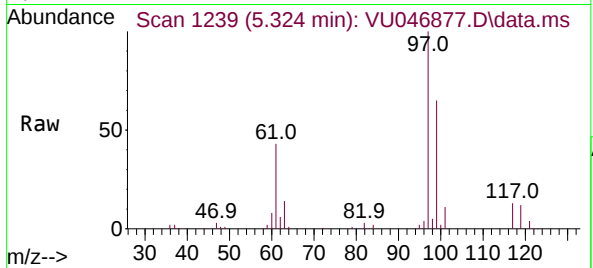




#31
Carbon tetrachloride
Concen: 1.204 ug/L
RT: 5.324 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

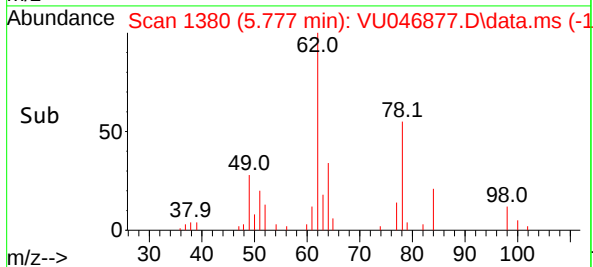
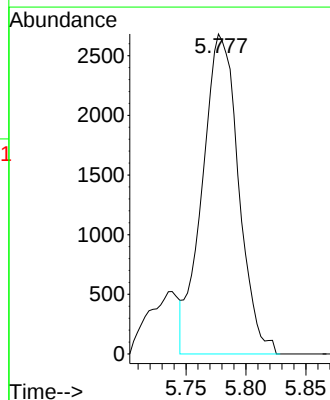
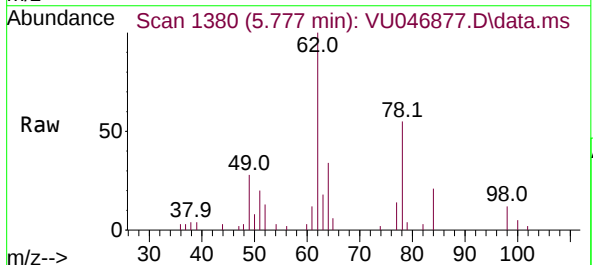
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

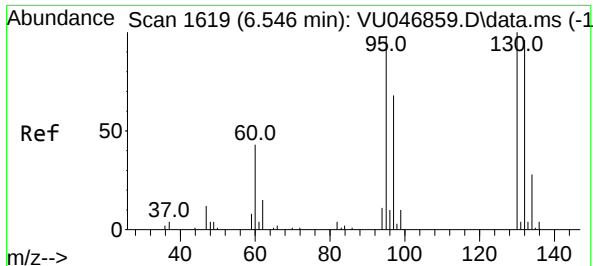
Tgt Ion:117 Resp: 10694
Ion Ratio Lower Upper
117 100
119 97.6 77.5 116.3



#33
Benzene
Concen: 0.208 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion: 78 Resp: 5637

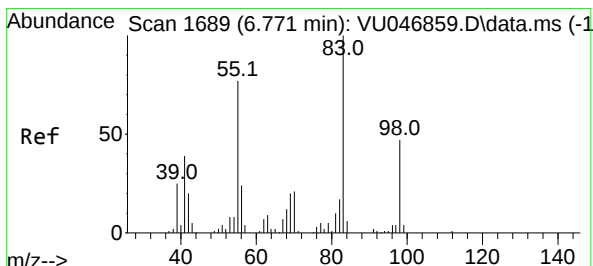
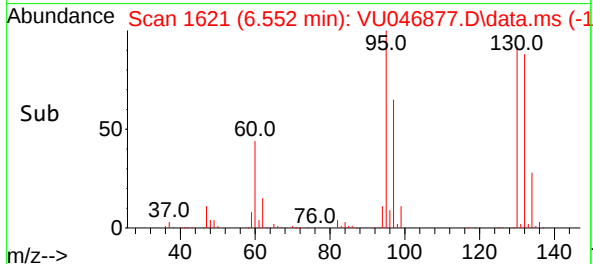
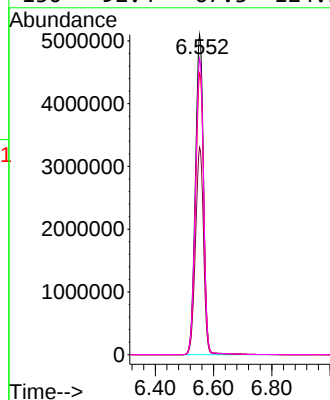
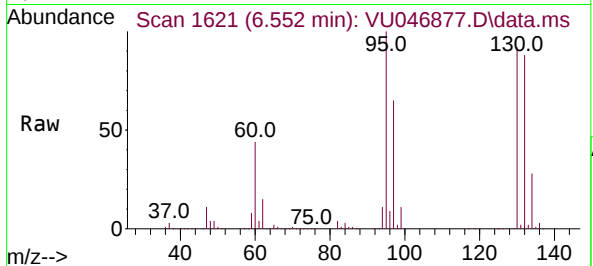




#34
Trichloroethene
Concen: 1408.790 ug/L
RT: 6.552 min Scan# 1665
Delta R.T. 0.006 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

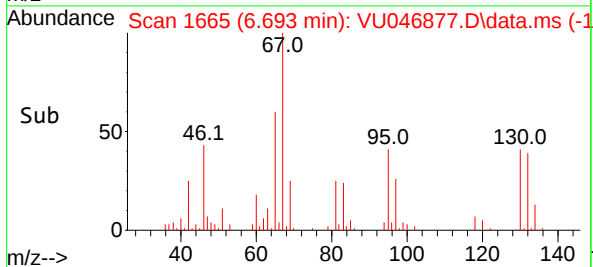
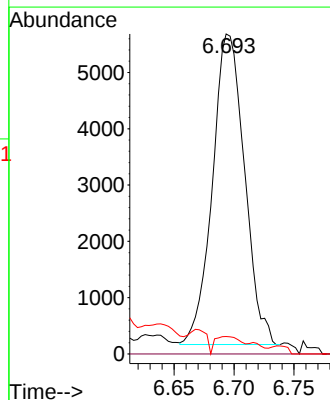
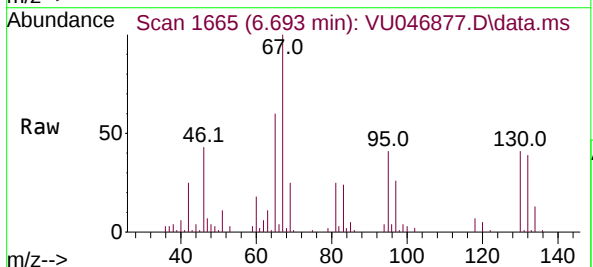
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

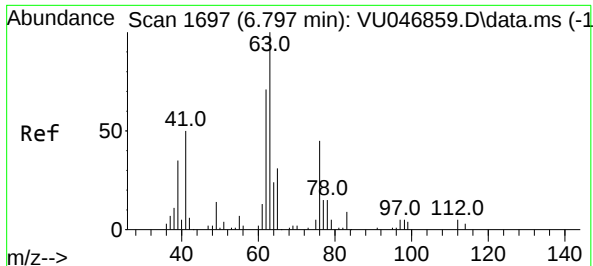
Tgt Ion: 95 Resp: 9895044
Ion Ratio Lower Upper
95 100
97 64.8 46.5 86.5
132 88.0 65.1 120.9
130 92.4 67.3 124.9



#35
Methylcyclohexane
Concen: 0.872 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.077 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion: 83 Resp: 10261
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: 0.151 ug/L

RT: 6.796 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046877.D

Acq: 27 Jan 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

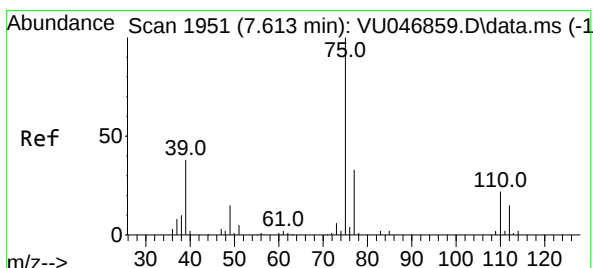
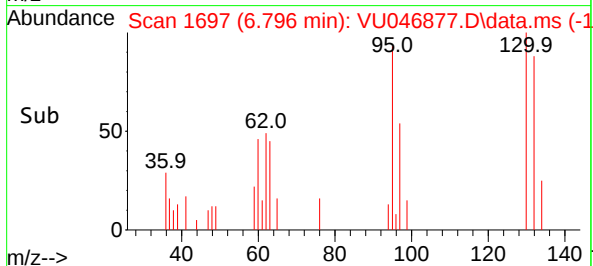
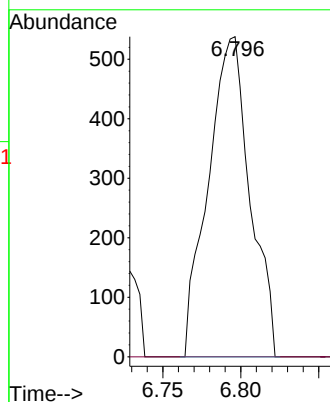
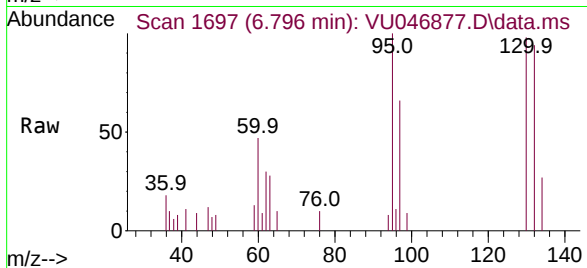
C0HK3

Tgt Ion: 63 Resp: 1004

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.042 min

Lab File: VU046877.D

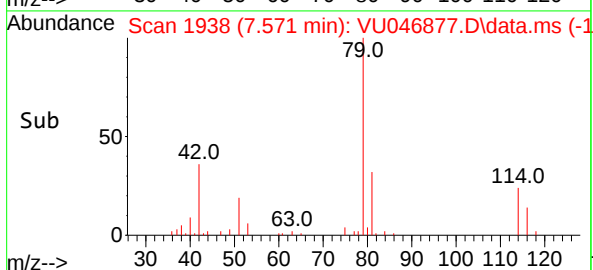
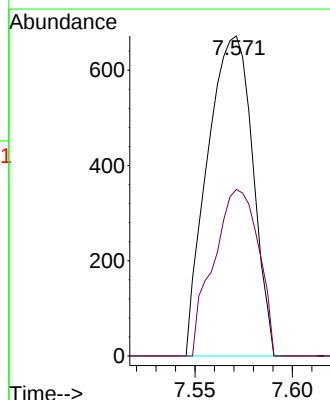
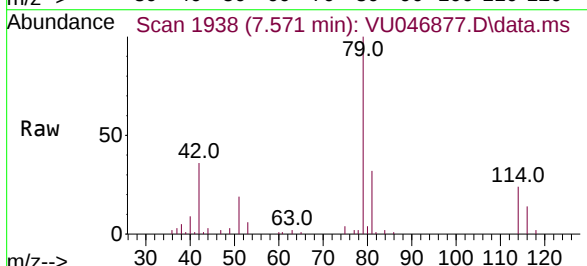
Acq: 27 Jan 2022 18:14

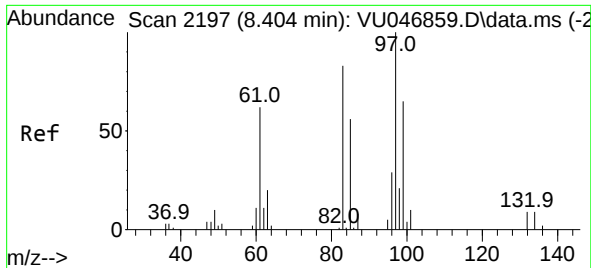
Tgt Ion: 75 Resp: 1083

Ion Ratio Lower Upper

75 100

77 52.1 22.5 41.9#

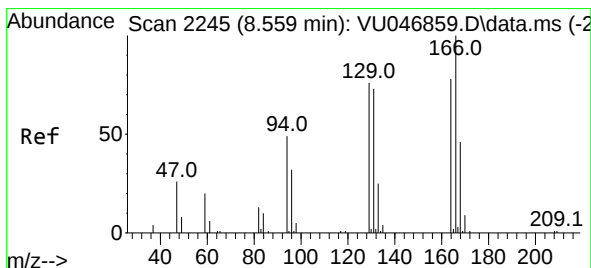
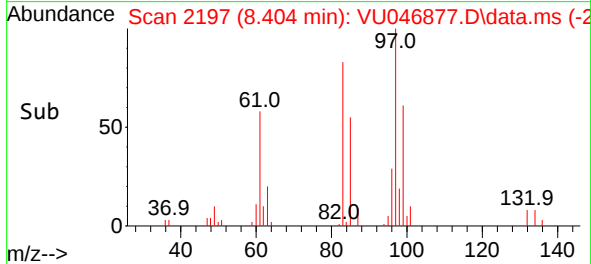
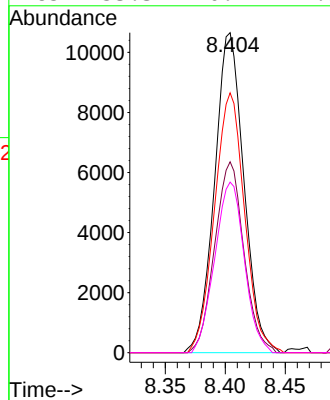
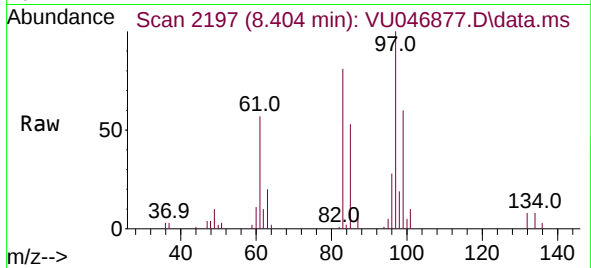




#45
1,1,2-Trichloroethane
Concen: 3.201 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

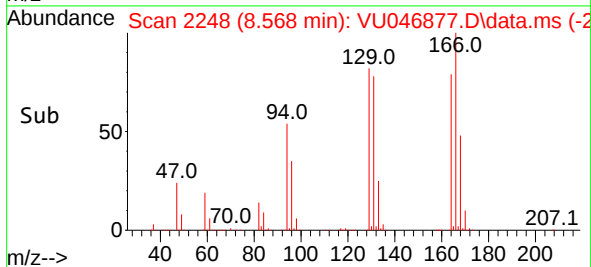
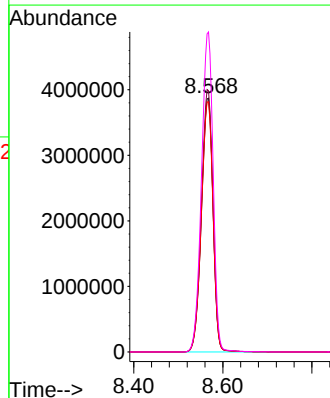
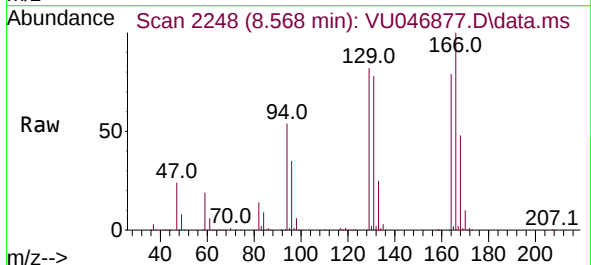
Instrument :
MSVOA_U
ClientSampleId :
C0HK3

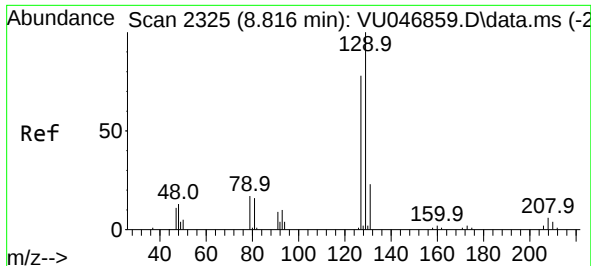
Tgt Ion:	97	Resp:	18072
Ion	Ratio	Lower	Upper
97	100		
99	59.6	42.3	78.5
83	81.2	62.0	115.2
85	53.3	40.1	74.5



#47
Tetrachloroethene
Concen: 1228.835 ug/L
RT: 8.568 min Scan# 2248
Delta R.T. 0.009 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion:	164	Resp:	7019701
Ion	Ratio	Lower	Upper
164	100		
129	103.0	71.8	133.4
131	98.6	68.5	127.3
166	126.1	94.1	174.8

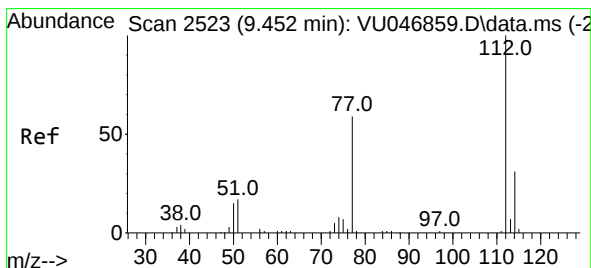
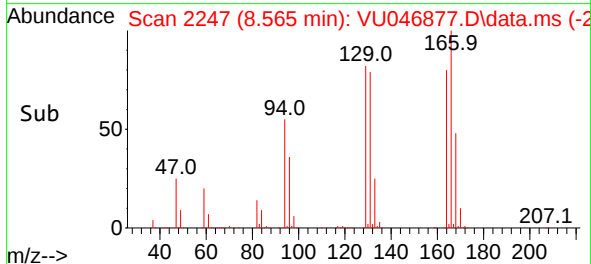
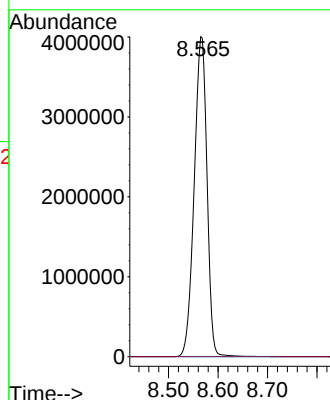
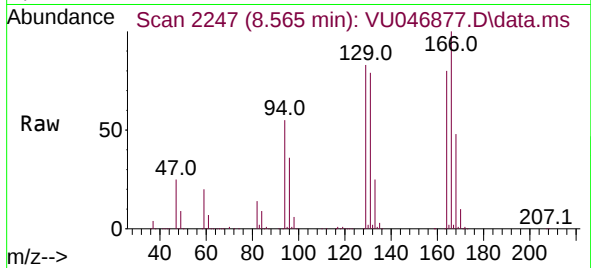




#49
Dibromochloromethane
Concen: 1082.778 ug/L
RT: 8.565 min Scan# 21
Delta R.T. -0.251 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Instrument :
MSVOA_U
ClientSampleId :
C0HK3

Tgt Ion:129 Resp: 7211345
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#51
Chlorobenzene
Concen: 0.134 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.003 min
Lab File: VU046877.D
Acq: 27 Jan 2022 18:14

Tgt Ion:112 Resp: 2521
Ion Ratio Lower Upper
112 100
114 30.3 22.1 41.1
77 49.2 48.3 72.5

