

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051928.D
 Acq On : 19 Nov 2022 02:39
 Operator : JC/MD
 Sample : N5684-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J7

Quant Time: Nov 19 03:10:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 22:29:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	233457	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	244067	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	93369	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	110196	4.853	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.000%
7) Chloroethane-d5	1.912	69	88938	5.042	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.800%
11) 1,1-Dichloroethene-d2	2.565	65	38551	4.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	4.617	46	204613	49.709	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.420%
24) Chloroform-d	5.060	84	164691	4.936	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.700	65	86664	5.142	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.726	84	349373	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.687	67	115374	5.145	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.896	98	284515	4.340	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.800%
43) trans-1,3-Dichloroprop...	8.179	79	36826	4.507	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.629	63	161159	46.537	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.080%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	92623	4.764	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	99017	5.539	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5488	0.271	ug/L	97
3) Chloromethane	1.527	50	19546	0.740	ug/L	99
9) Trichlorofluoromethane	2.141	101	4037	0.145	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1982	0.116	ug/L #	42
12) 1,1-Dichloroethene	2.578	96	8263	0.488	ug/L #	1
15) Methyl Acetate	3.182	43	6602	0.911	ug/L #	58
17) Methyl tert-butyl Ether	3.363	73	25341	0.668	ug/L	98
19) 1,1-Dichloroethane	3.871	63	42182	1.289	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	29627	1.555	ug/L	99
25) Chloroform	5.086	83	14829	0.447	ug/L	96
29) 1,1,1-Trichloroethane	5.321	97	1644	0.061	ug/L	97
31) Carbon tetrachloride	5.520	117	2776	0.121	ug/L	99
34) Trichloroethene	6.539	95	477712	24.113	ug/L	98
35) Methylcyclohexane	6.690	83	25354	0.890	ug/L #	19
37) 1,2-Dichloropropane	6.790	63	4465	0.217	ug/L #	93
47) Tetrachloroethene	8.552	164	88712	5.843	ug/L	96
49) Dibromochloromethane	8.552	129	85663	4.949	ug/L #	12

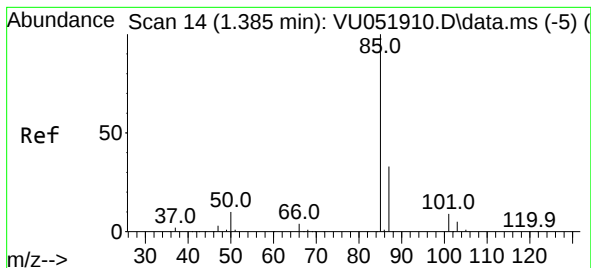
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051928.D
Acq On : 19 Nov 2022 02:39
Operator : JC/MD
Sample : N5684-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BH1J7

Quant Time: Nov 19 03:10:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration

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

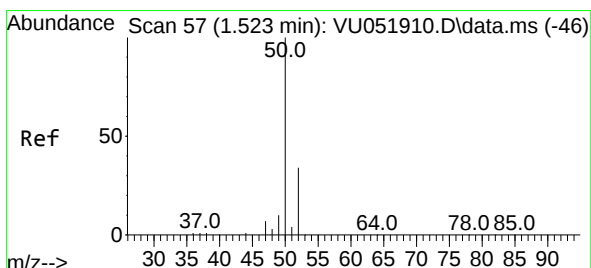
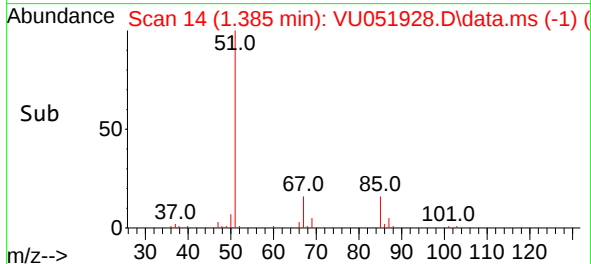
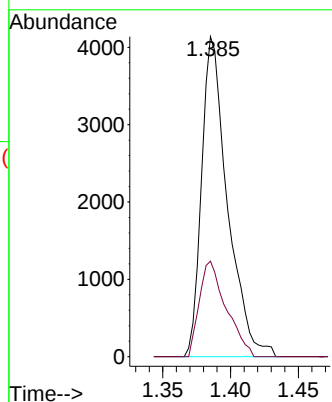
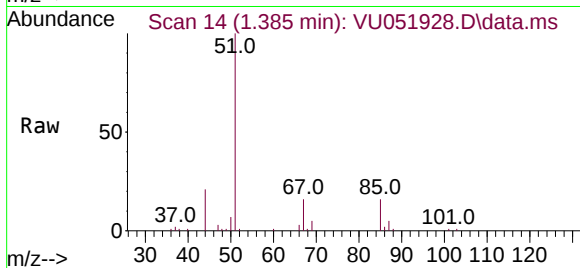
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#2
Dichlorodifluoromethane
Concen: 0.271 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

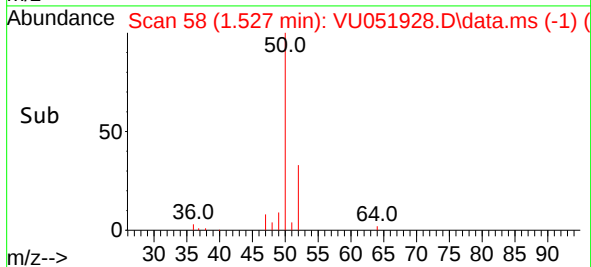
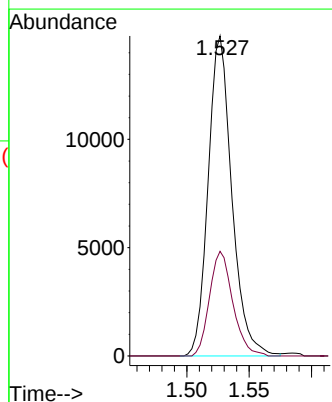
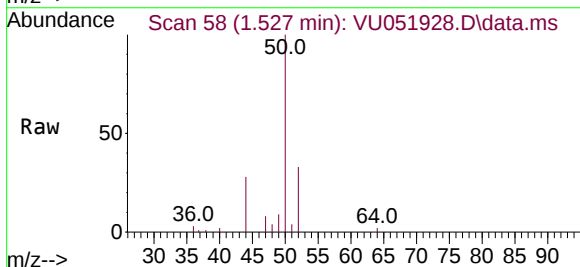
Instrument :
MSVOA_U
ClientSampleId :
BH1J7

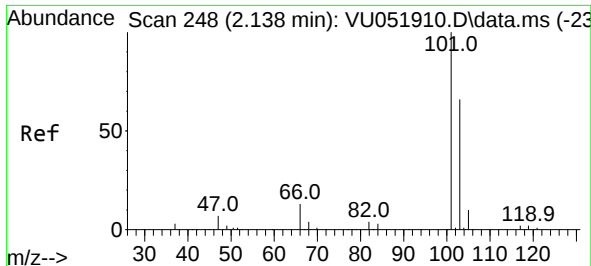
Tgt Ion: 85 Resp: 5488
Ion Ratio Lower Upper
85 100
87 30.8 25.8 38.8



#3
Chloromethane
Concen: 0.740 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

Tgt Ion: 50 Resp: 19546
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.4

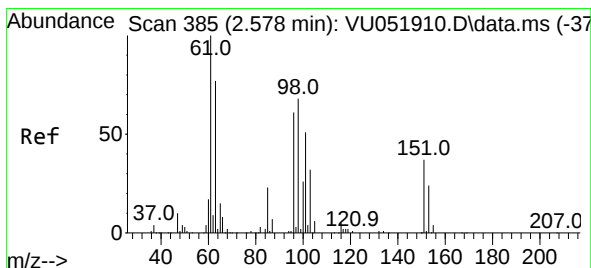
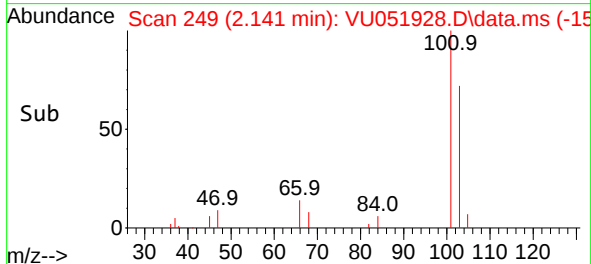
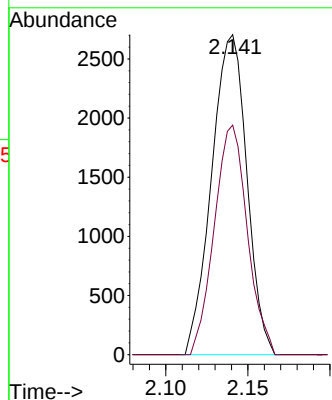
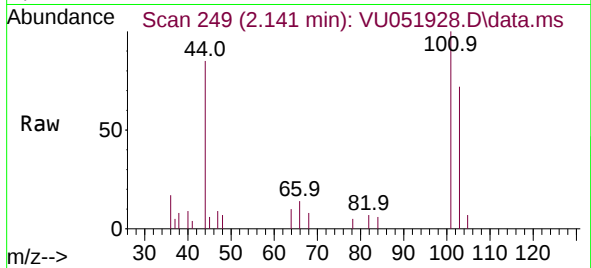




#9
Trichlorofluoromethane
Concen: 0.145 ug/L
RT: 2.141 min Scan# 24
Delta R.T. 0.003 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

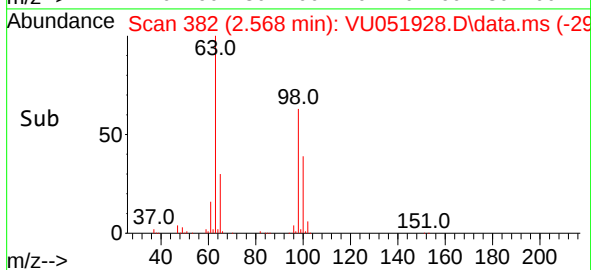
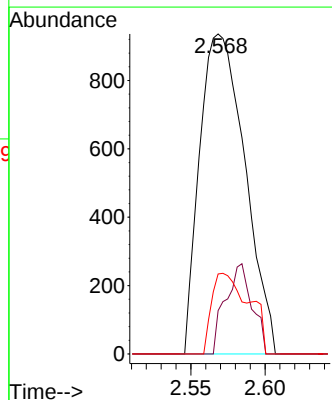
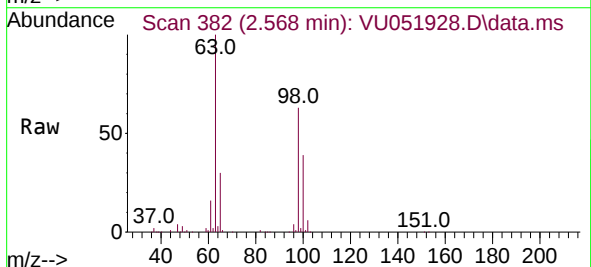
Instrument :
MSVOA_U
ClientSampleId :
BH1J7

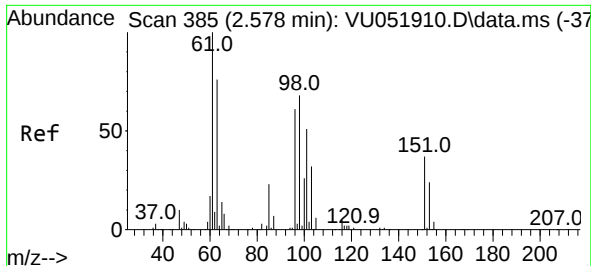
Tgt Ion:101 Resp: 4037
Ion Ratio Lower Upper
101 100
103 67.3 51.6 77.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.116 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

Tgt Ion:101 Resp: 1982
Ion Ratio Lower Upper
101 100
85 16.5 33.8 50.6#
151 16.3 58.6 88.0#

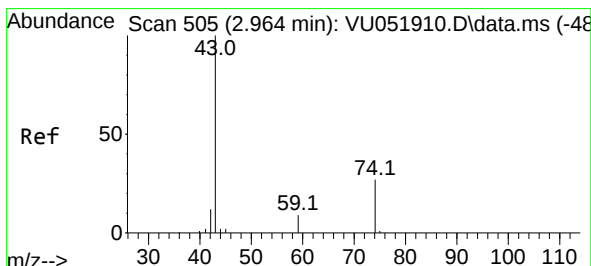
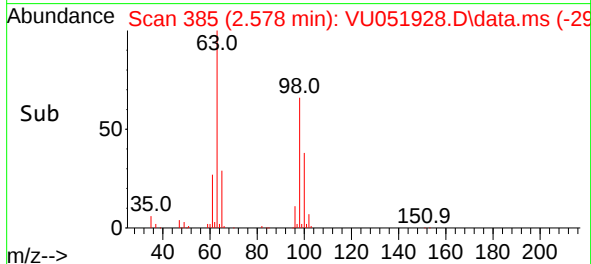
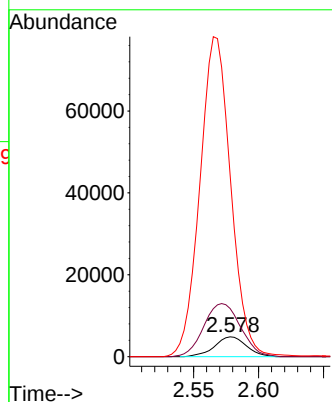
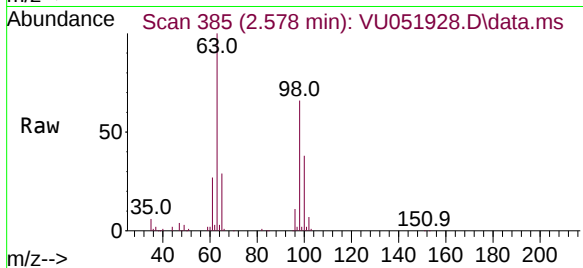




#12
 1,1-Dichloroethene
 Concen: 0.488 ug/L
 RT: 2.578 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU051928.D
 Acq: 19 Nov 2022 02:39

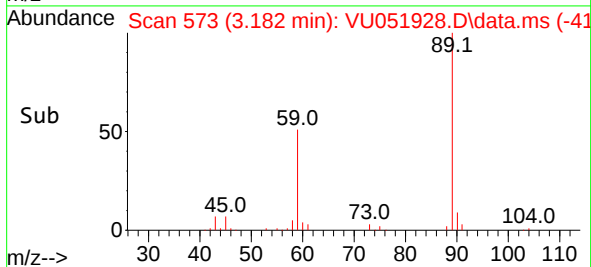
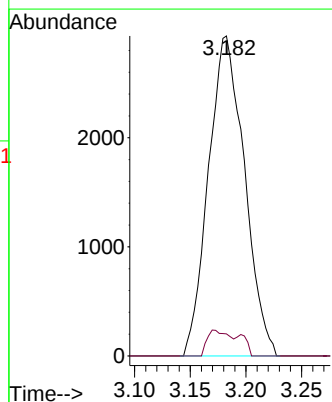
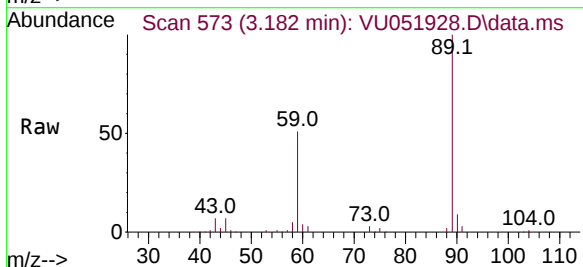
Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J7

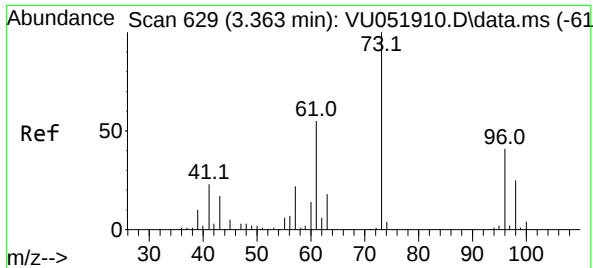
Tgt Ion: 96 Resp: 8263
 Ion Ratio Lower Upper
 96 100
 61 242.2 114.8 213.2#
 63 913.0 93.7 174.1#



#15
 Methyl Acetate
 Concen: 0.911 ug/L
 RT: 3.182 min Scan# 573
 Delta R.T. 0.219 min
 Lab File: VU051928.D
 Acq: 19 Nov 2022 02:39

Tgt Ion: 43 Resp: 6602
 Ion Ratio Lower Upper
 43 100
 74 5.0 21.3 31.9#

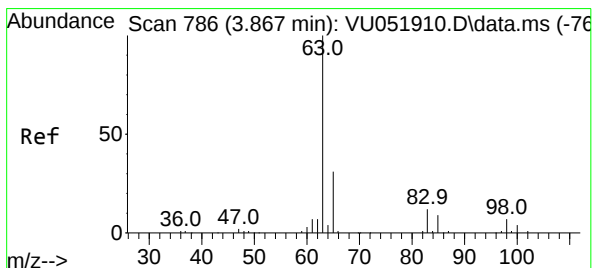
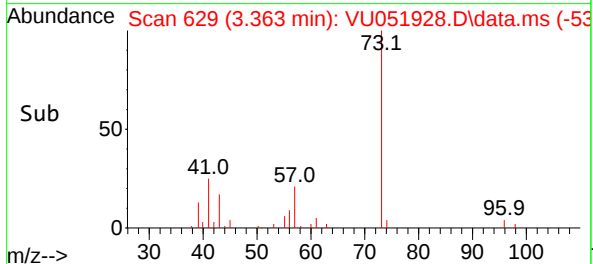
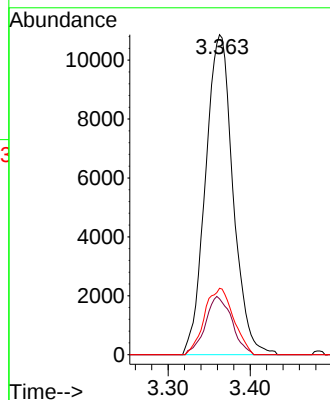
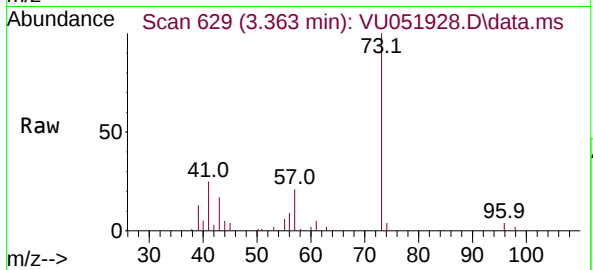




#17
Methyl tert-butyl Ether
Concen: 0.668 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

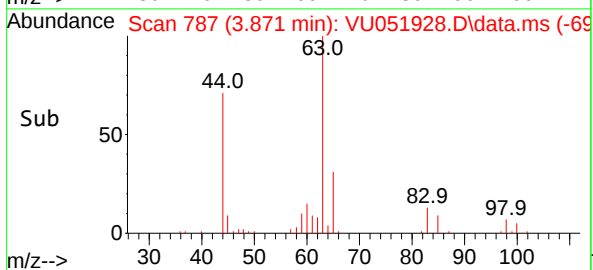
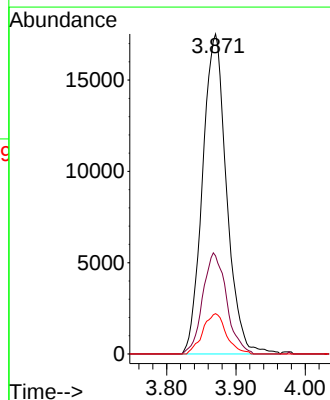
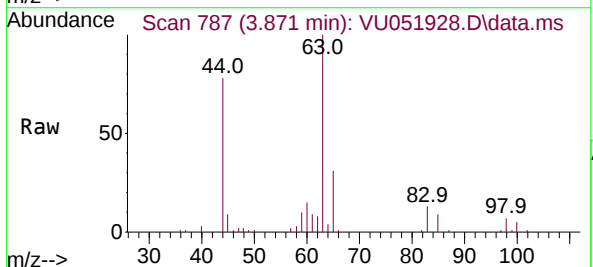
Instrument :
MSVOA_U
ClientSampleId :
BH1J7

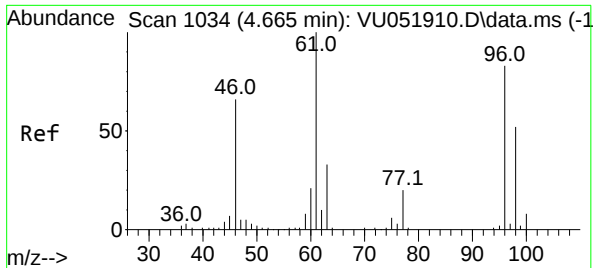
Tgt Ion:	73	Resp:	25341
Ion	Ratio	Lower	Upper
73	100		
43	17.5	13.2	19.8
57	21.8	17.8	26.8



#19
1,1-Dichloroethane
Concen: 1.289 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

Tgt Ion:	63	Resp:	42182
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.2	41.2
83	12.6	9.2	17.0

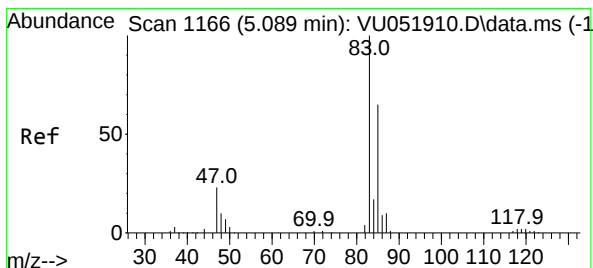
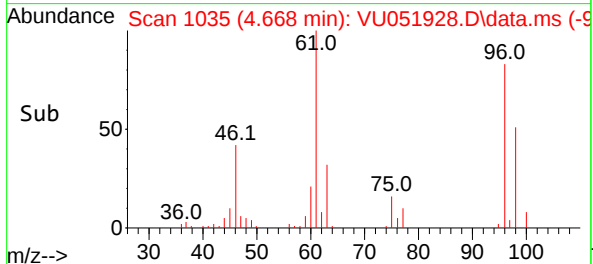
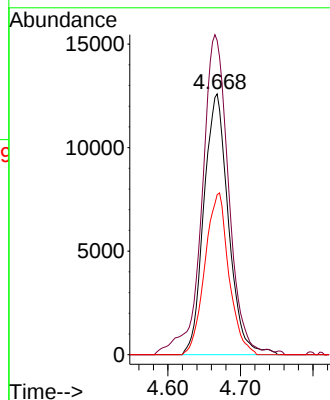
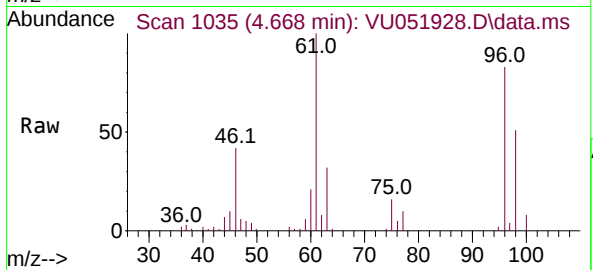




#22
 cis-1,2-Dichloroethene
 Concen: 1.555 ug/L
 RT: 4.668 min Scan# 110
 Delta R.T. 0.003 min
 Lab File: VU051928.D
 Acq: 19 Nov 2022 02:39

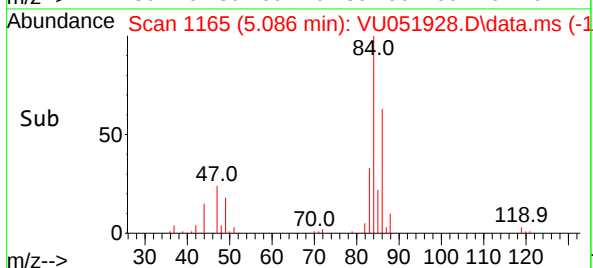
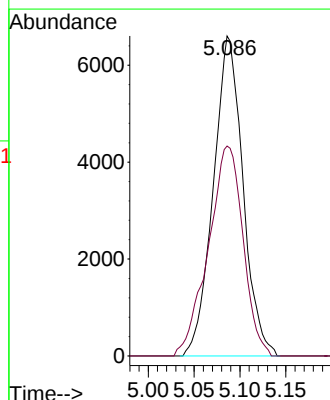
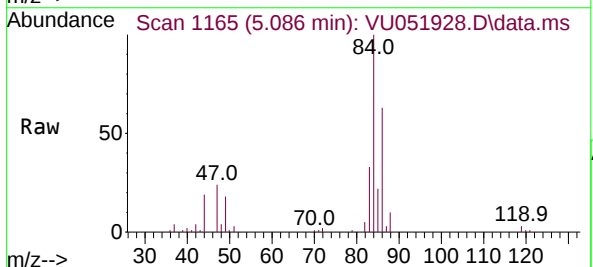
Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J7

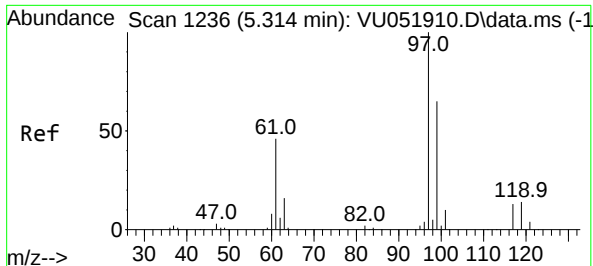
Tgt Ion: 96 Resp: 29627
 Ion Ratio Lower Upper
 96 100
 61 120.4 85.1 158.1
 98 61.3 42.8 79.6



#25
 Chloroform
 Concen: 0.447 ug/L
 RT: 5.086 min Scan# 1165
 Delta R.T. -0.003 min
 Lab File: VU051928.D
 Acq: 19 Nov 2022 02:39

Tgt Ion: 83 Resp: 14829
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.8 81.4

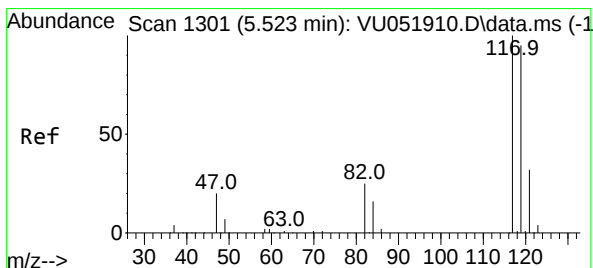
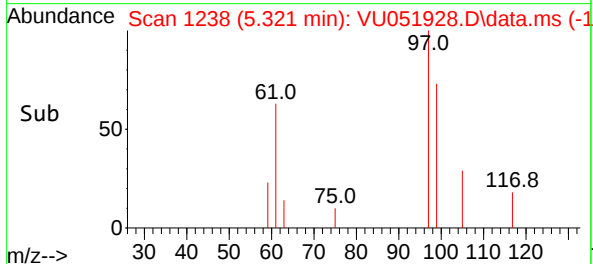
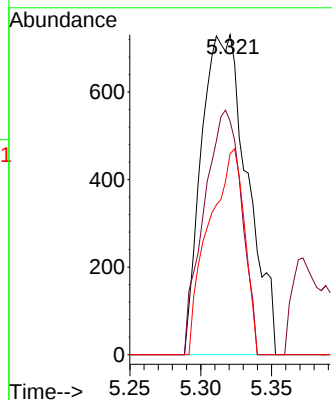
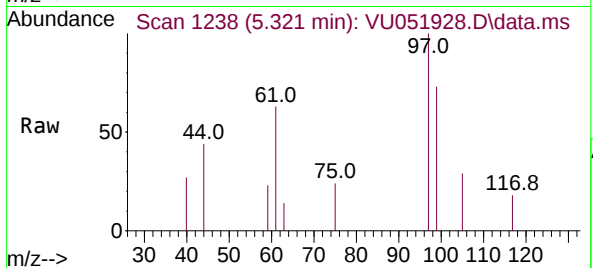




#29
1,1,1-Trichloroethane
Concen: 0.061 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

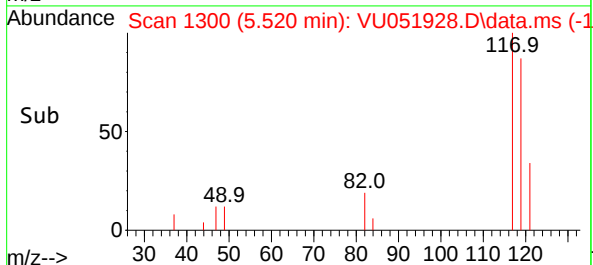
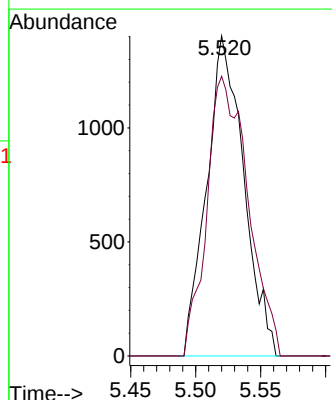
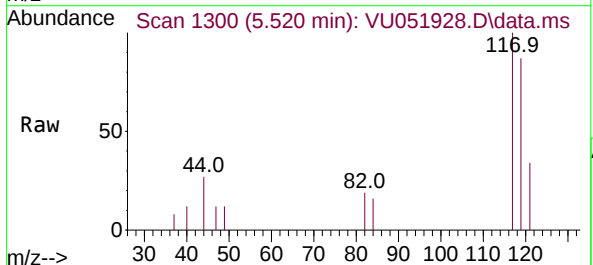
Instrument :
MSVOA_U
ClientSampleId :
BH1J7

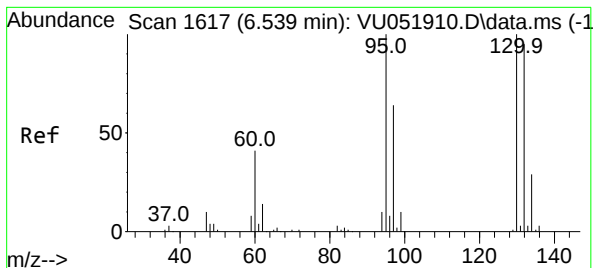
Tgt Ion: 97 Resp: 1644
Ion Ratio Lower Upper
97 100
99 62.7 51.0 76.6
61 50.0 36.9 55.3



#31
Carbon tetrachloride
Concen: 0.121 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU051928.D
Acq: 19 Nov 2022 02:39

Tgt Ion: 117 Resp: 2776
Ion Ratio Lower Upper
117 100
119 97.6 77.2 115.8





#34

Trichloroethene

Concen: 24.113 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051928.D

Acq: 19 Nov 2022 02:39

Instrument :

MSVOA_U

ClientSampleId :

BH1J7

Tgt Ion: 95 Resp: 477712

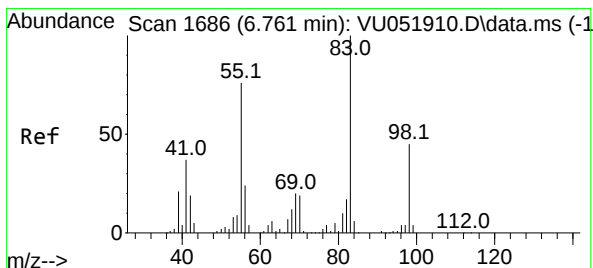
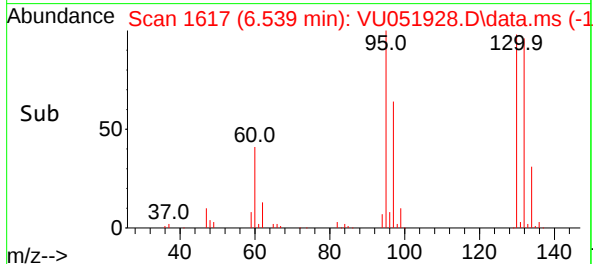
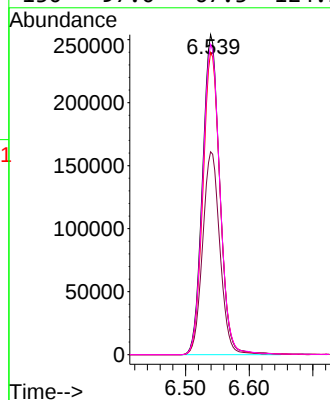
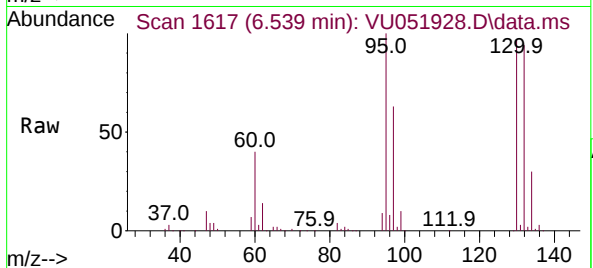
Ion Ratio Lower Upper

95 100

97 63.4 43.7 81.1

132 94.5 64.3 119.3

130 97.0 67.3 124.9



#35

Methylcyclohexane

Concen: 0.890 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.071 min

Lab File: VU051928.D

Acq: 19 Nov 2022 02:39

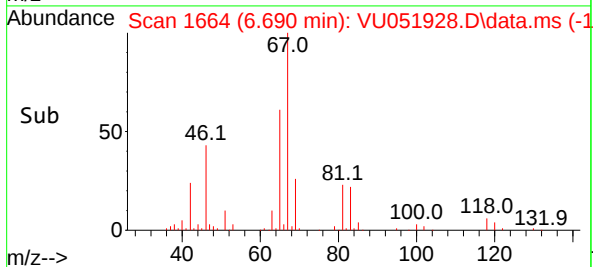
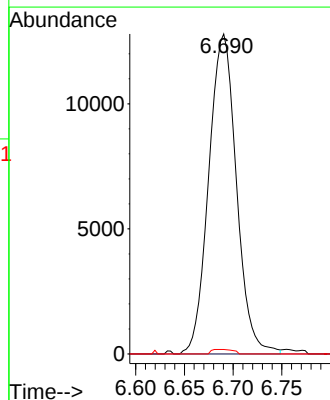
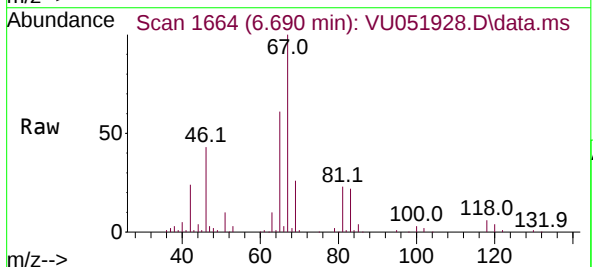
Tgt Ion: 83 Resp: 25354

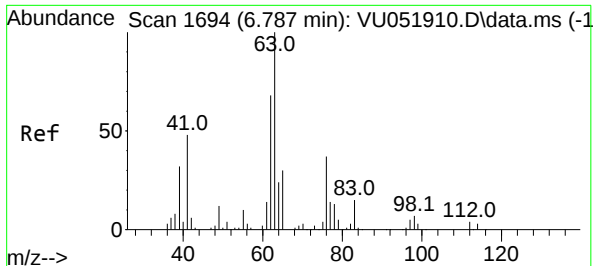
Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 0.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.217 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051928.D

Acq: 19 Nov 2022 02:39

Instrument :

MSVOA_U

ClientSampleId :

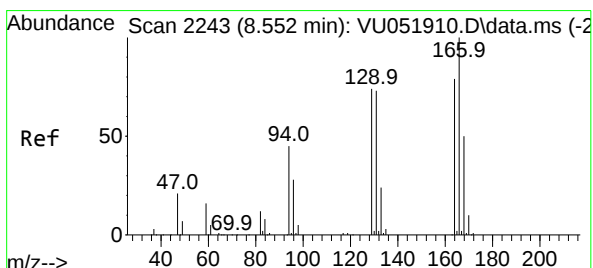
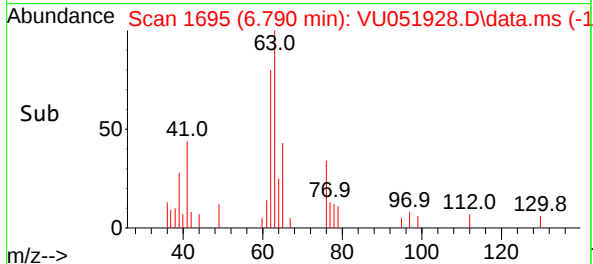
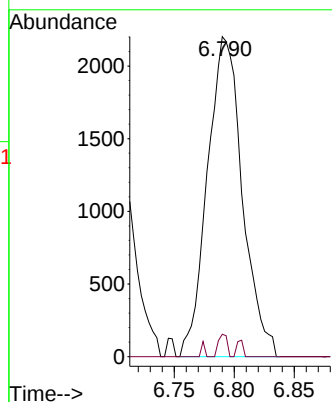
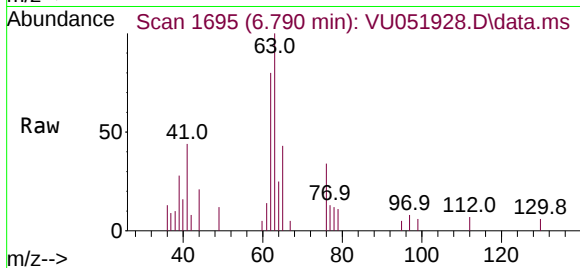
BH1J7

Tgt Ion: 63 Resp: 4465

Ion Ratio Lower Upper

63 100

112 1.8 3.3 4.9#



#47

Tetrachloroethene

Concen: 5.843 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051928.D

Acq: 19 Nov 2022 02:39

Tgt Ion: 164 Resp: 88712

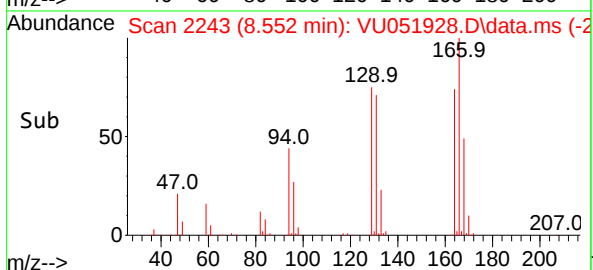
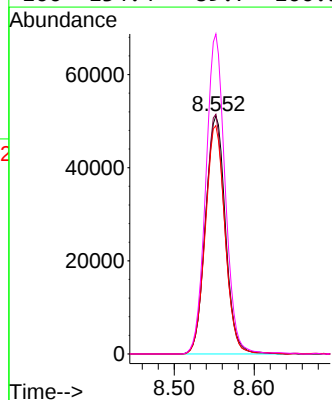
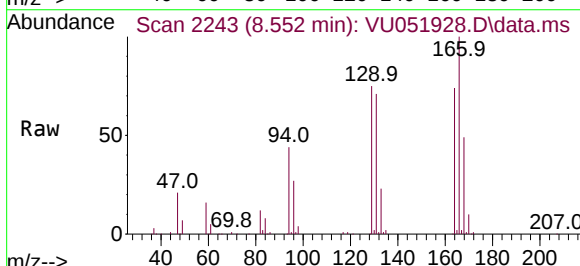
Ion Ratio Lower Upper

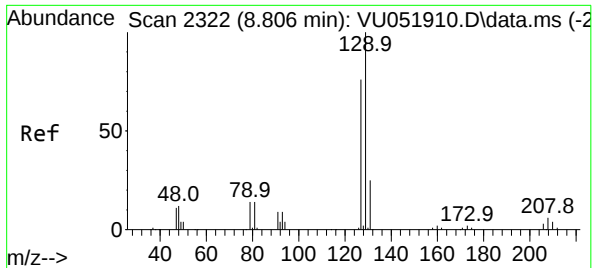
164 100

129 100.7 67.4 125.2

131 95.9 67.1 124.7

166 134.4 89.7 166.5





#49

Dibromochloromethane

Concen: 4.949 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU051928.D

Acq: 19 Nov 2022 02:39

Instrument :

MSVOA_U

ClientSampleId :

BH1J7

Tgt Ion:129 Resp: 85663

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#

