

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
 Data File : VU051282.D
 Acq On : 08 Oct 2022 19:21
 Operator : JC/MD
 Sample : N4873-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ58

Quant Time: Oct 08 23:51:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 08 05:40:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	166352	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	185237	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	69318	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55885	4.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.913	69	55918	4.850	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.565	65	23309	4.394	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.800%
20) 2-Butanone-d5	4.620	46	160357	54.278	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.560%
24) Chloroform-d	5.064	84	125836	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.700	65	68662	5.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.400%
32) Benzene-d6	5.726	84	228579	4.486	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.690	67	83791	4.842	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.896	98	171745	3.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.400%
43) trans-1,3-Dichloroprop...	8.179	79	24793	4.361	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.633	63	82401	43.000	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.000%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	72709	5.259	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	61030	5.065	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	4126	0.304	ug/L	95
3) Chloromethane	1.523	50	7994	0.420	ug/L	93
5) Vinyl chloride	1.601	62	2694	0.144	ug/L #	1
9) Trichlorofluoromethane	2.138	101	1136	0.053	ug/L #	75
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	657	0.051	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	7081	0.584	ug/L #	1
15) Methyl Acetate	2.964	43	1662	0.309	ug/L #	50
18) trans-1,2-Dichloroethene	3.356	96	1788	0.140	ug/L	96
19) 1,1-Dichloroethane	3.867	63	165877	6.298	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	12508	0.885	ug/L	91
29) 1,1,1-Trichloroethane	5.318	97	105937	4.773	ug/L	98
31) Carbon tetrachloride	5.318	117	14861	0.791	ug/L	93
33) Benzene	5.771	78	15735	0.254	ug/L	100
34) Trichloroethene	6.539	95	18482	1.198	ug/L	96
35) Methylcyclohexane	6.690	83	19012	0.977	ug/L #	17
37) 1,2-Dichloropropane	6.690	63	9131	0.539	ug/L #	88
47) Tetrachloroethene	8.552	164	5028	0.443	ug/L	92
49) Dibromochloromethane	8.555	129	5045	0.378	ug/L #	11
61) 1,2,3-Trichloropropane	11.809	75	8995	1.028	ug/L #	70

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100722\
Data File : VU051282.D
Acq On : 08 Oct 2022 19:21
Operator : JC/MD
Sample : N4873-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

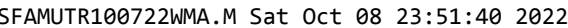
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

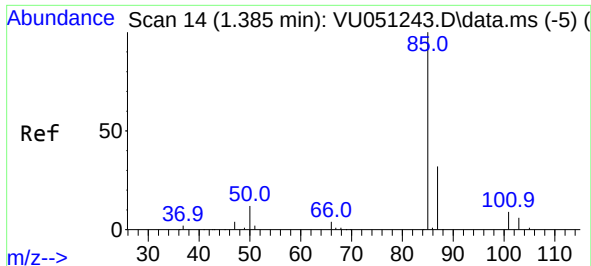
Quant Time: Oct 08 23:51:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 08 05:40:36 2022
Response via : Initial Calibration

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

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

Quant Time: Oct 08 23:51:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 08 05:40:36 2022
Response via : Initial Calibration

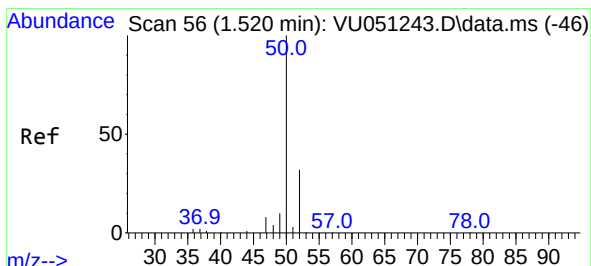
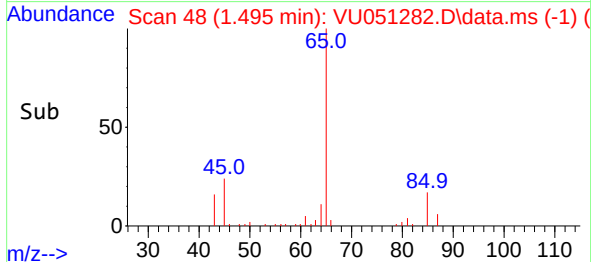
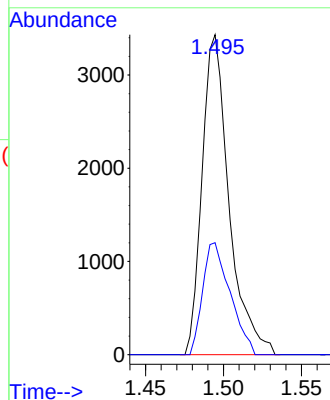
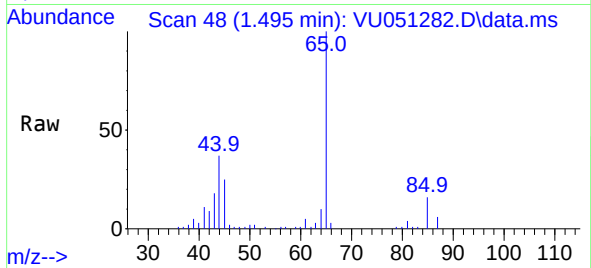




#2
Dichlorodifluoromethane
Concen: 0.304 ug/L
RT: 1.495 min Scan# 41
Delta R.T. 0.109 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

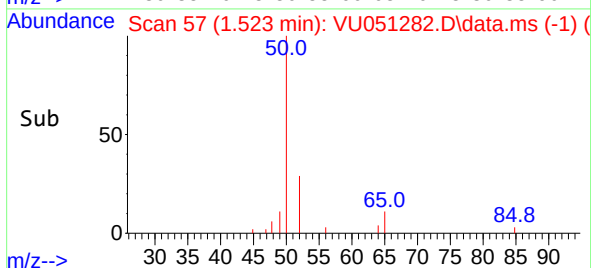
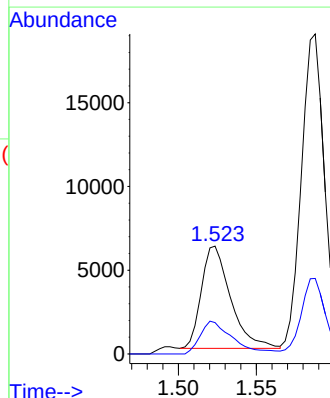
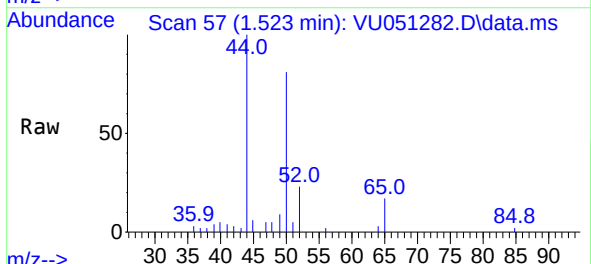
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

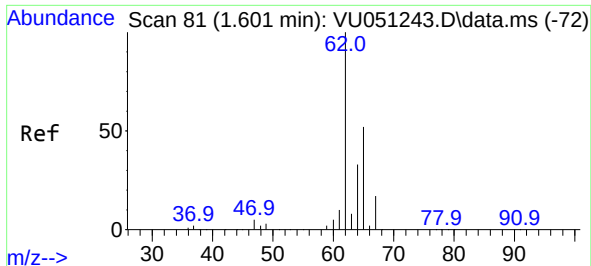
Tgt Ion: 85 Resp: 4126
Ion Ratio Lower Upper
85 100
87 35.6 26.2 39.4



#3
Chloromethane
Concen: 0.420 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 50 Resp: 7994
Ion Ratio Lower Upper
50 100
52 29.0 22.9 42.5

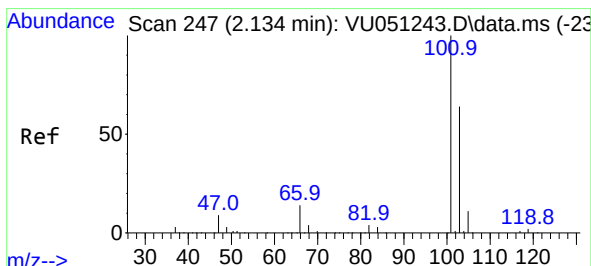
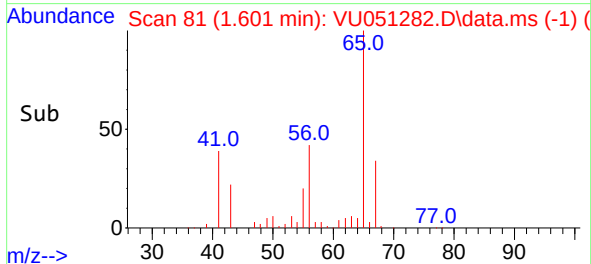
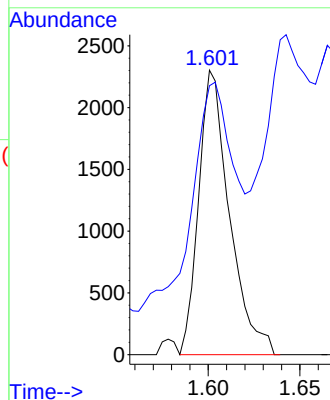
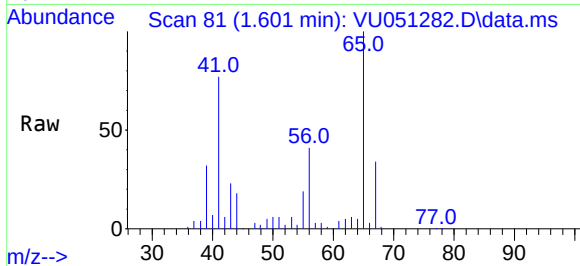




#5
 Vinyl chloride
 Concen: 0.144 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051282.D
 Acq: 08 Oct 2022 19:21

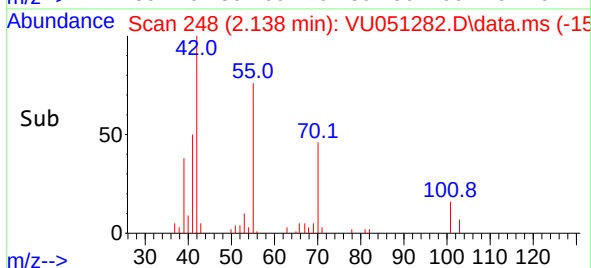
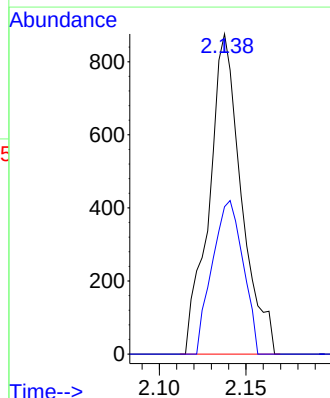
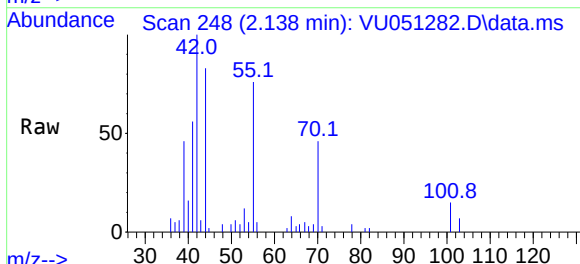
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ58

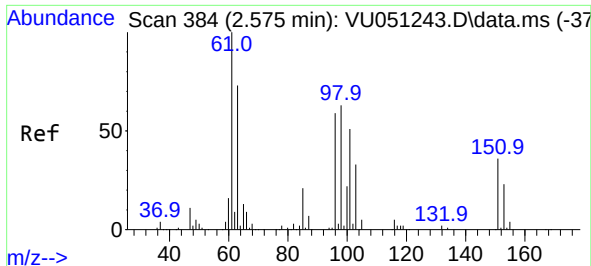
Tgt Ion: 62 Resp: 2694
 Ion Ratio Lower Upper
 62 100
 64 94.6 24.0 44.6#



#9
 Trichlorofluoromethane
 Concen: 0.053 ug/L
 RT: 2.138 min Scan# 248
 Delta R.T. 0.003 min
 Lab File: VU051282.D
 Acq: 08 Oct 2022 19:21

Tgt Ion: 101 Resp: 1136
 Ion Ratio Lower Upper
 101 100
 103 45.6 52.2 78.2#

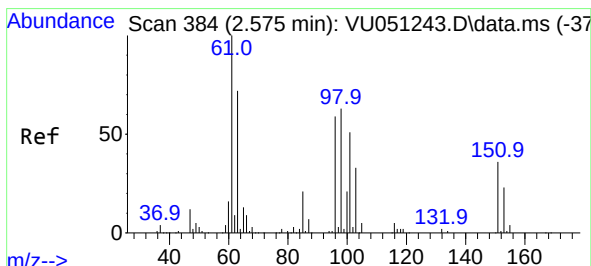
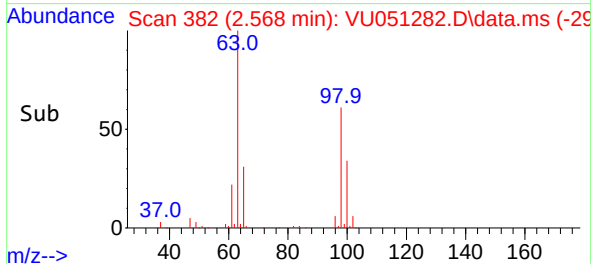
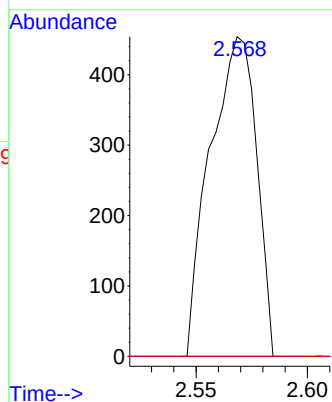
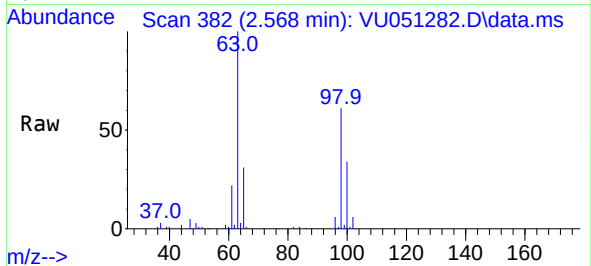




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.051 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

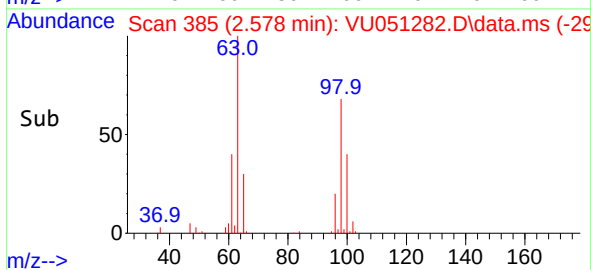
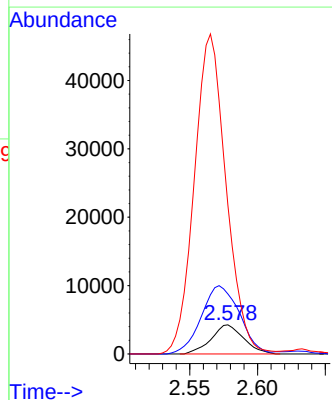
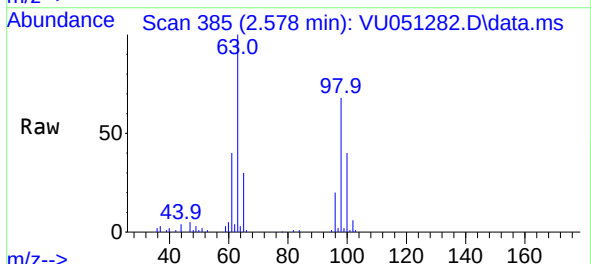
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

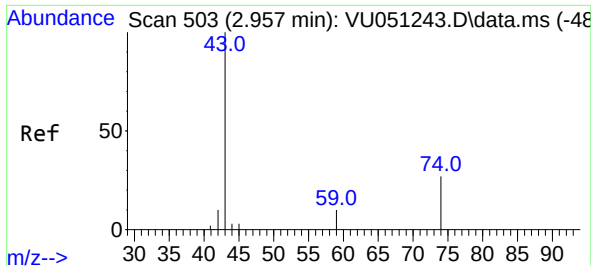
Tgt Ion:101 Resp: 657
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.5 84.7#



#12
1,1-Dichloroethene
Concen: 0.584 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 96 Resp: 7081
Ion Ratio Lower Upper
96 100
61 205.8 117.6 218.4
63 510.9 85.2 158.2#

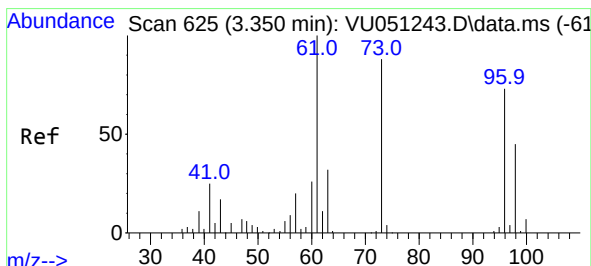
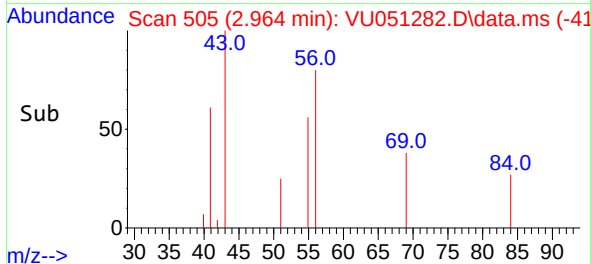
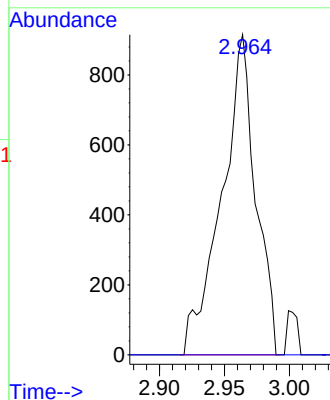
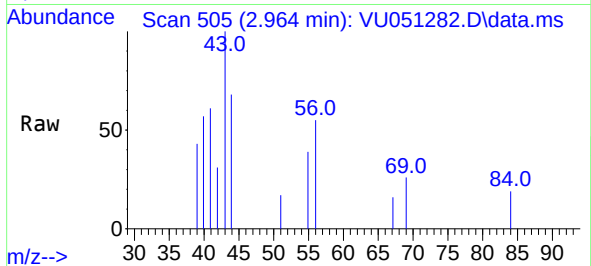




#15
Methyl Acetate
Concen: 0.309 ug/L
RT: 2.964 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

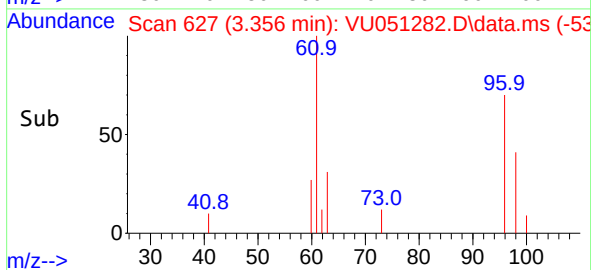
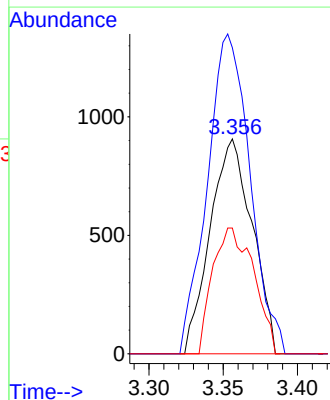
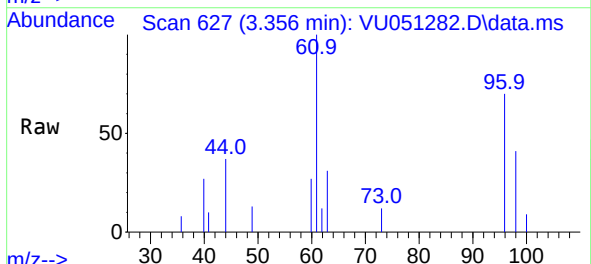
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

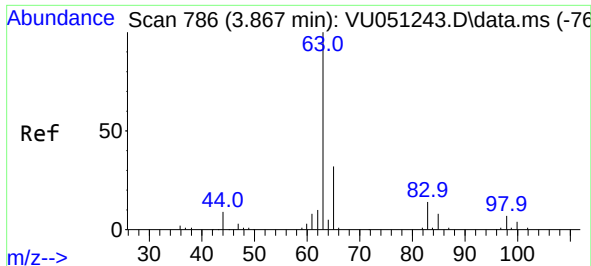
Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#18
trans-1,2-Dichloroethene
Concen: 0.140 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.006 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

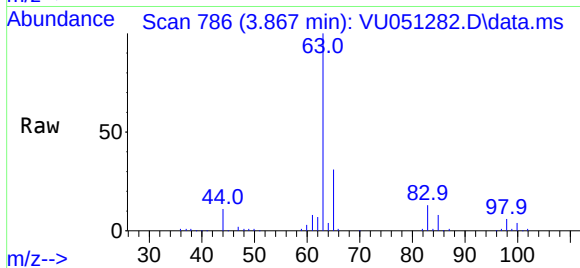
Tgt Ion: 96 Resp: 1788
Ion Ratio Lower Upper
96 100
61 142.4 101.4 188.2
98 58.5 44.9 83.5



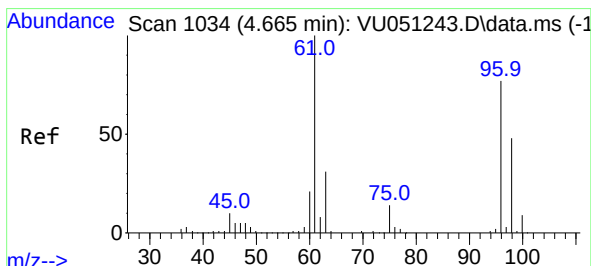
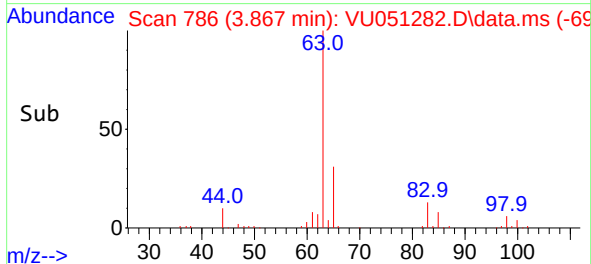
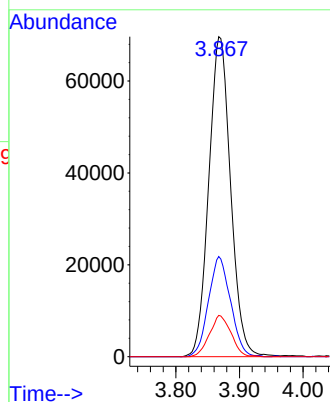


#19
1,1-Dichloroethane
Concen: 6.298 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Instrument :
MSVOA_U
ClientSampleId :
EXZ58

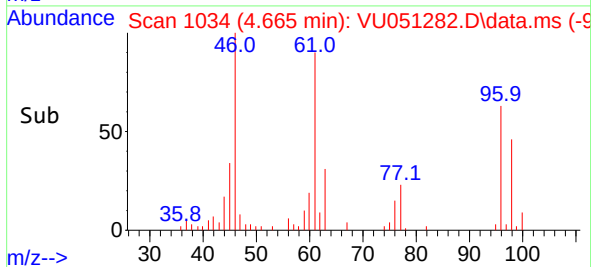
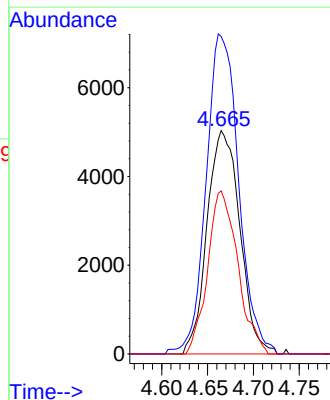
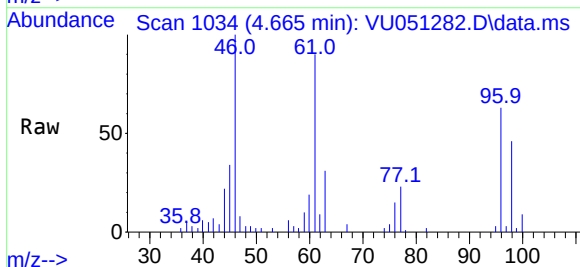


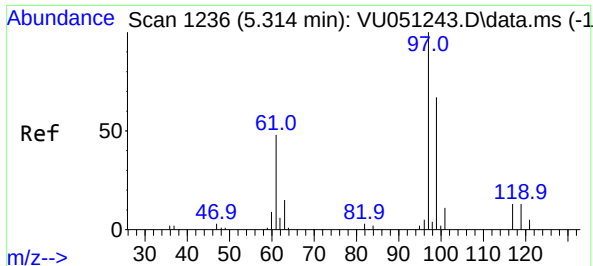
Tgt Ion: 63 Resp: 165877
Ion Ratio Lower Upper
63 100
65 31.3 22.0 41.0
83 12.9 9.0 16.6



#22
cis-1,2-Dichloroethene
Concen: 0.885 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 96 Resp: 12508
Ion Ratio Lower Upper
96 100
61 142.2 90.6 168.2
98 73.0 47.5 88.3

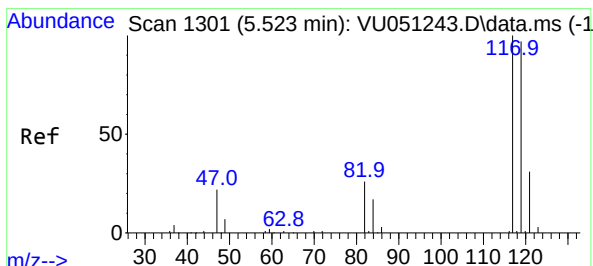
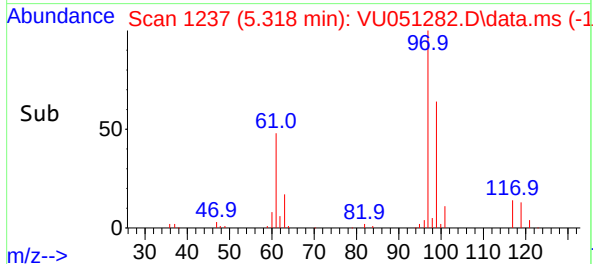
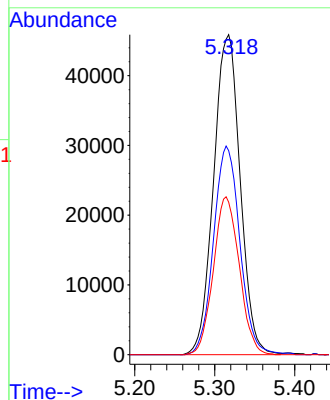
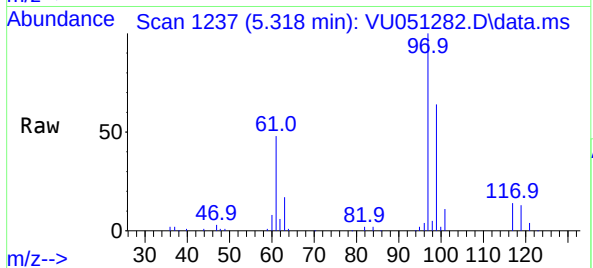




#29
1,1,1-Trichloroethane
Concen: 4.773 ug/L
RT: 5.318 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

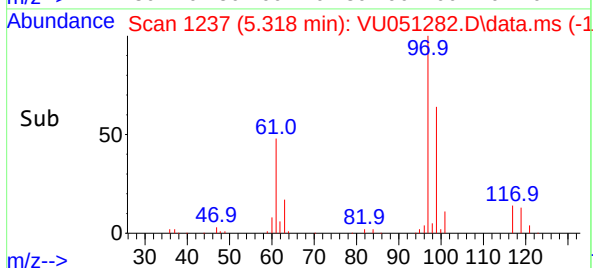
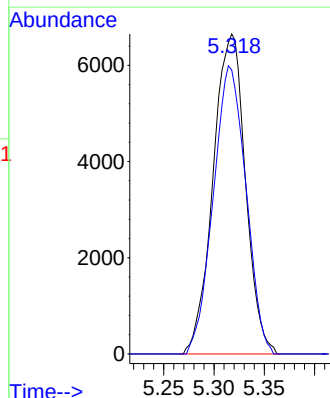
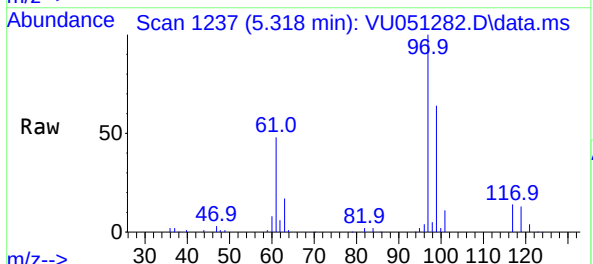
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

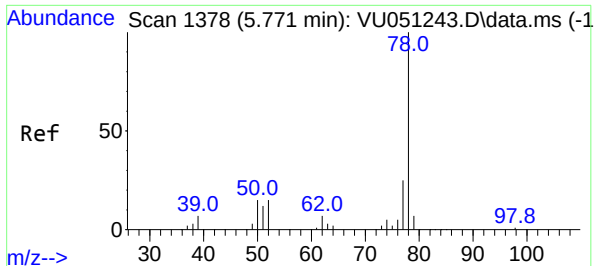
Tgt Ion: 97 Resp: 105937
Ion Ratio Lower Upper
97 100
99 64.7 50.2 75.4
61 48.2 38.7 58.1



#31
Carbon tetrachloride
Concen: 0.791 ug/L
RT: 5.318 min Scan# 1237
Delta R.T. -0.206 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 117 Resp: 14861
Ion Ratio Lower Upper
117 100
119 90.8 78.4 117.6

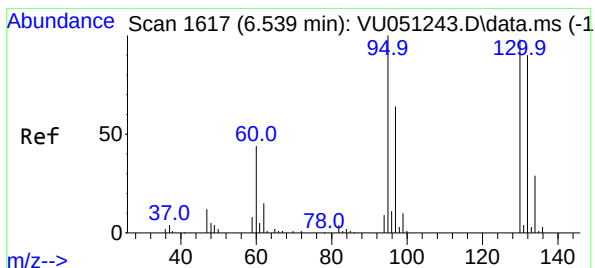
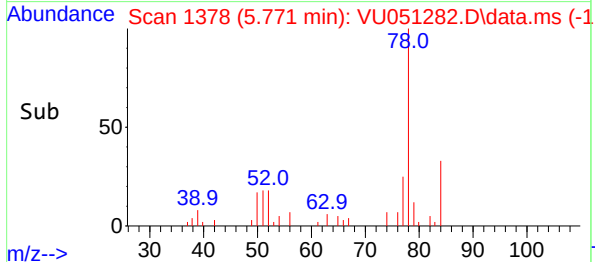
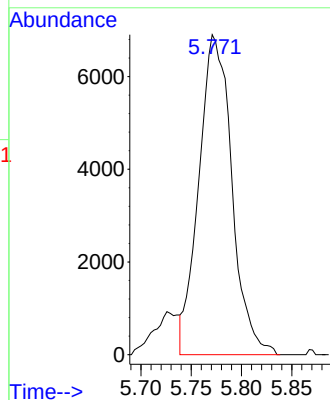
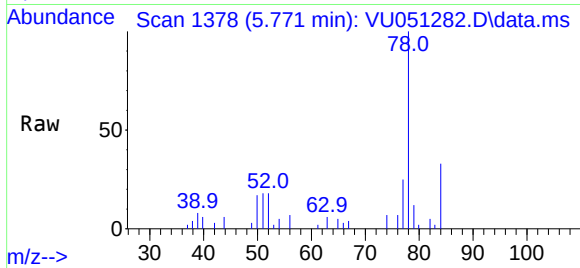




#33
Benzene
Concen: 0.254 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Instrument :
MSVOA_U
ClientSampleId :
EXZ58

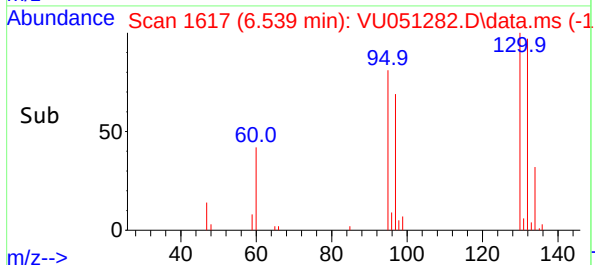
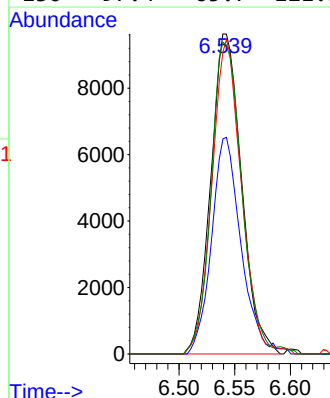
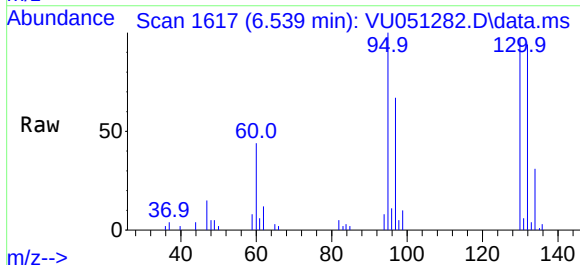
Tgt Ion: 78 Resp: 15735

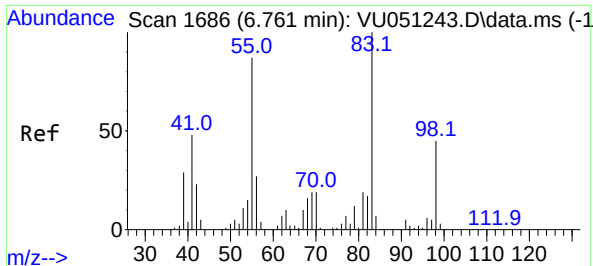


#34
Trichloroethene
Concen: 1.198 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 95 Resp: 18482

Ion	Ratio	Lower	Upper
95	100		
97	67.2	45.4	84.2
132	94.4	63.1	117.3
130	97.4	65.7	121.9

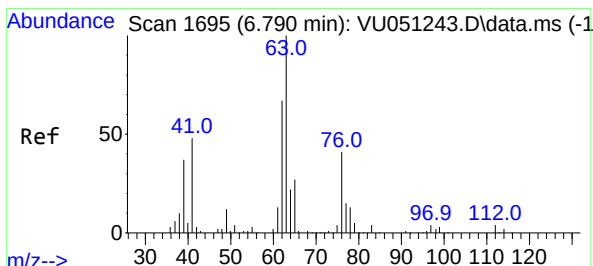
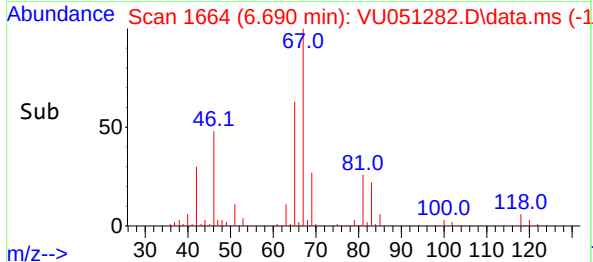
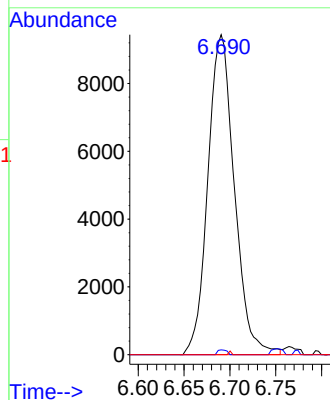
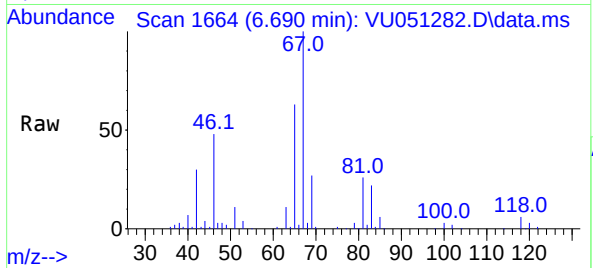




#35
Methylcyclohexane
Concen: 0.977 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

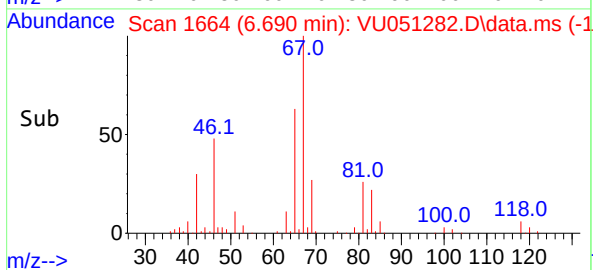
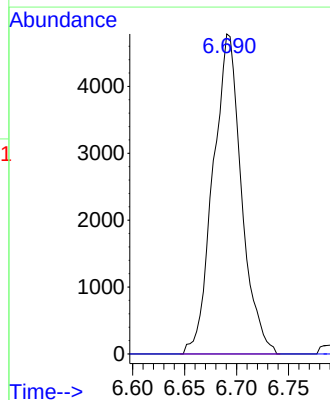
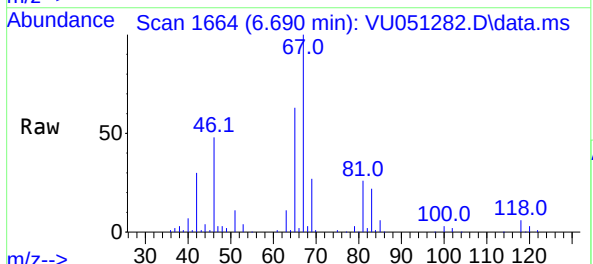
Instrument :
MSVOA_U
ClientSampleId :
EXZ58

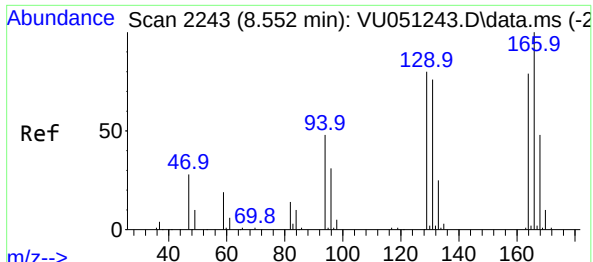
Tgt Ion: 83 Resp: 19012
Ion Ratio Lower Upper
83 100
55 0.5 65.8 98.6#
98 0.0 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.539 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.100 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion: 63 Resp: 9131
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



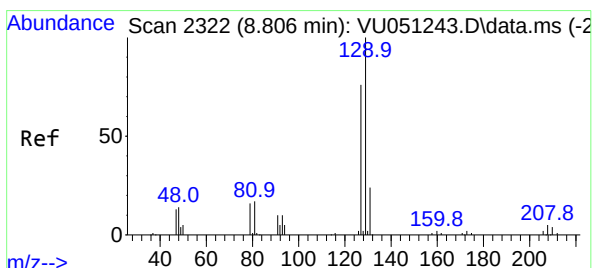
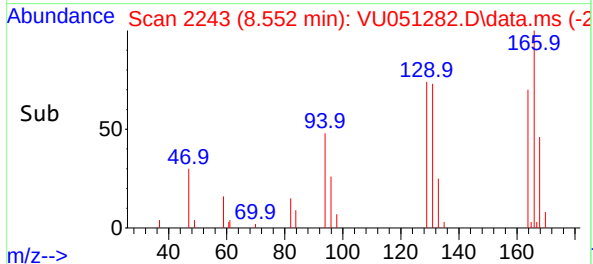
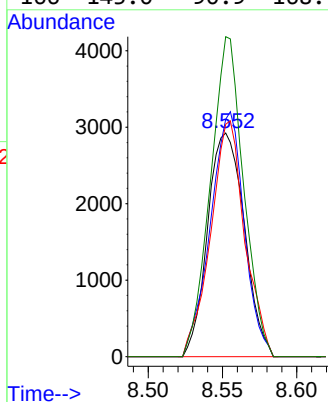
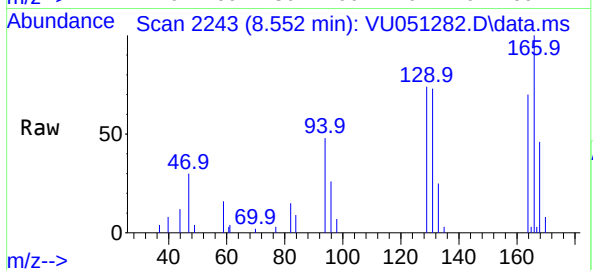


#47
Tetrachloroethene
Concen: 0.443 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Instrument :
MSVOA_U
ClientSampleId :
EXZ58

Tgt Ion:164 Resp: 5028

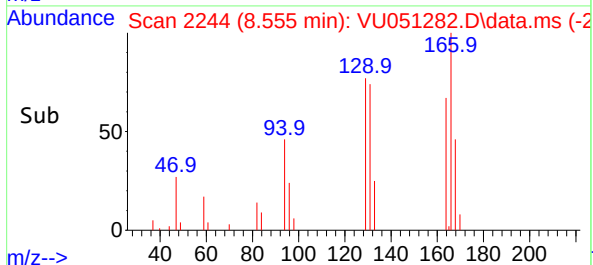
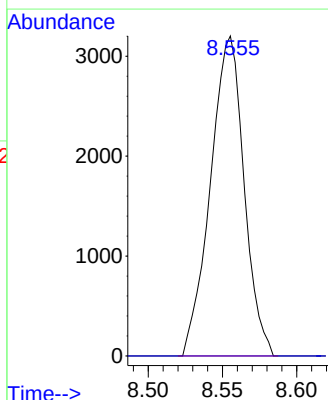
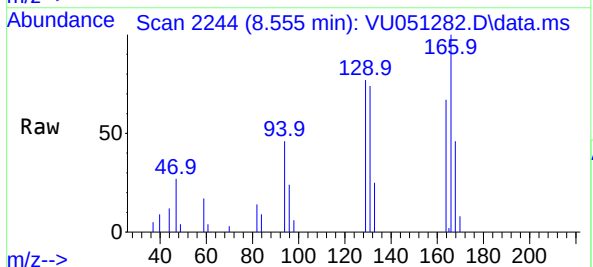
Ion	Ratio	Lower	Upper
164	100		
129	106.1	71.3	132.3
131	103.9	66.9	124.3
166	143.0	90.9	168.7

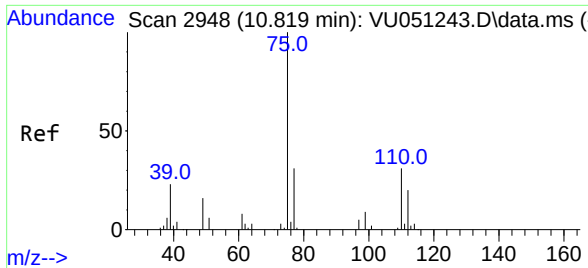


#49
Dibromochloromethane
Concen: 0.378 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.251 min
Lab File: VU051282.D
Acq: 08 Oct 2022 19:21

Tgt Ion:129 Resp: 5045

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.3#





#61
 1,2,3-Trichloropropane
 Concen: 1.028 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU051282.D
 Acq: 08 Oct 2022 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ58

Tgt Ion:	75	Resp:	8995
Ion	Ratio	Lower	Upper
75	100		
110	0.7	27.0	40.6#
77	31.8	26.4	39.6

