

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056234.D
 Acq On : 11 Nov 2023 22:56
 Operator : MD/SY
 Sample : 05371-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 23:18:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 22:15:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	369536	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	367208	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	170082	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	86359	3.765	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.200%
7) Chloroethane-d5	1.911	69	75279	4.836	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.563	65	41039	4.061	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.624	46	279111	74.173	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	148.340%#
24) Chloroform-d	5.055	84	219618	5.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.695	65	105183	5.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.724	84	420958	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.685	67	136947	5.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.600%
41) Toluene-d8	7.894	98	353879	4.379	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.600%
43) trans-1,3-Dichloroprop...	8.177	79	47097	4.746	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.000%
46) 2-Hexanone-d5	8.631	63	230742	70.941	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.880%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	106934	5.771	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	141597	5.399	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	9211	0.314	ug/L	93
5) Vinyl chloride	1.602	62	4907	0.162	ug/L #	33
8) Chloroethane	1.933	64	4767	0.289	ug/L	84
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7787	0.304	ug/L	90
13) Acetone	2.637	43	209213	75.388	ug/L	100
15) Methyl Acetate	2.865	43	15091	1.927	ug/L #	46
19) 1,1-Dichloroethane	3.869	63	5223	0.114	ug/L #	79
21) 2-Butanone	4.714	43	59773	13.060	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	13103	0.482	ug/L	91
33) Benzene	5.769	78	18519	0.176	ug/L	100
34) Trichloroethene	6.537	95	423733	14.754	ug/L	97
35) Methylcyclohexane	6.685	83	31627	0.741	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	13723	0.502	ug/L #	87
47) Tetrachloroethene	8.550	164	80802	3.749	ug/L	98
48) 2-Hexanone	8.688	43	16903	1.941	ug/L #	91
49) Dibromochloromethane	8.550	129	80551	3.756	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	19641	1.338	ug/L #	68

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Response via : Initial Calibration

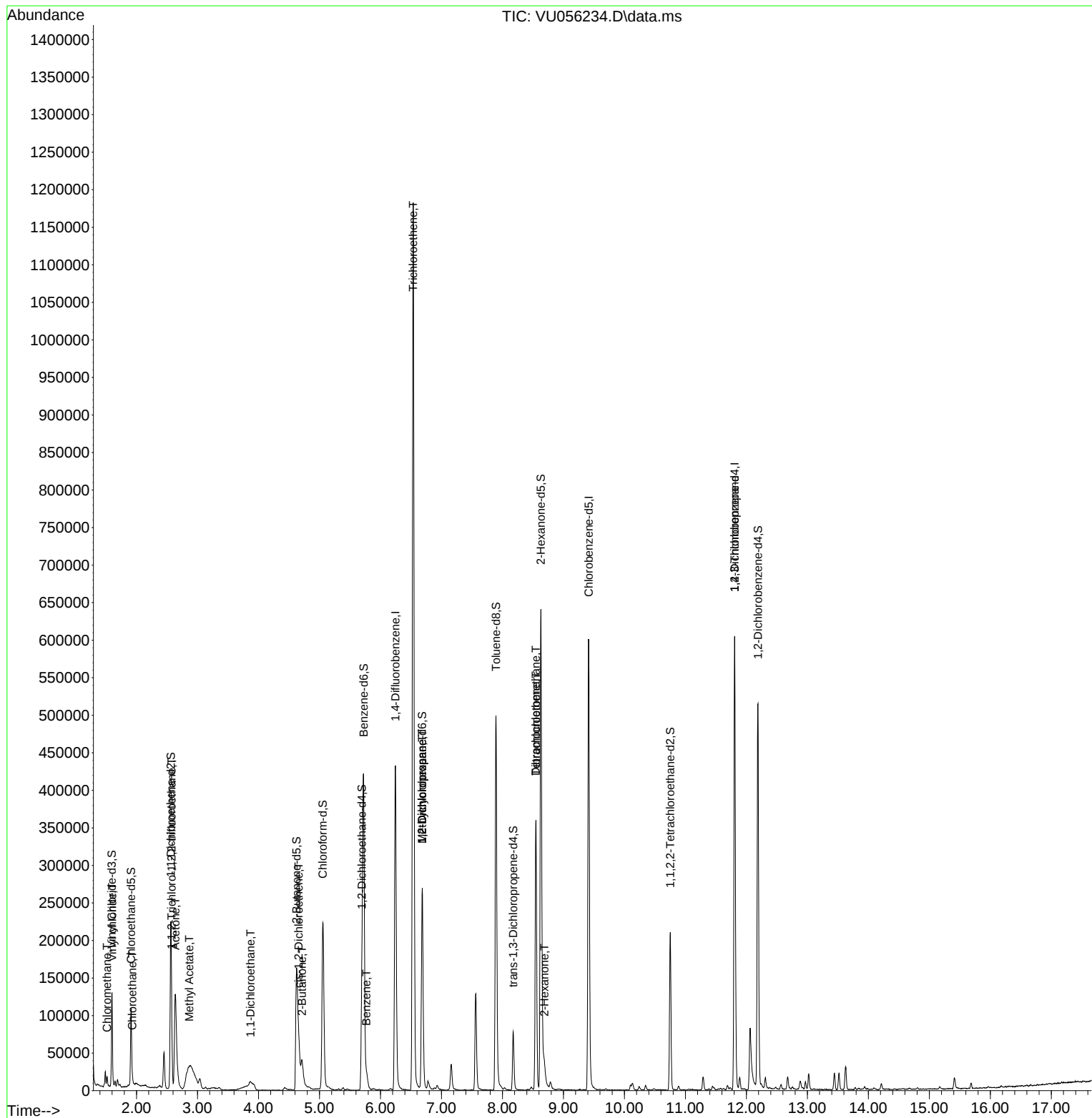
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

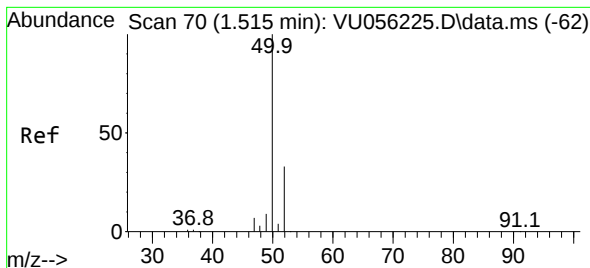
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.314 ug/L

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

Instrument :

MSVOA_U

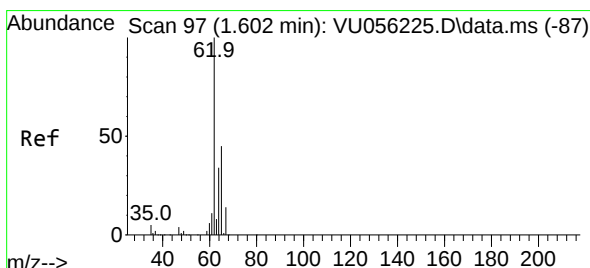
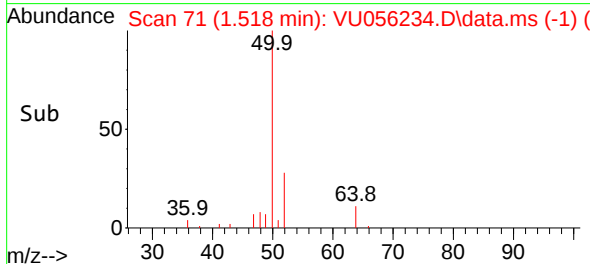
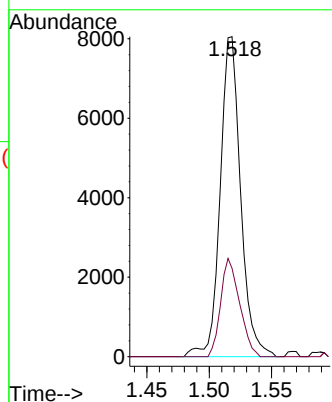
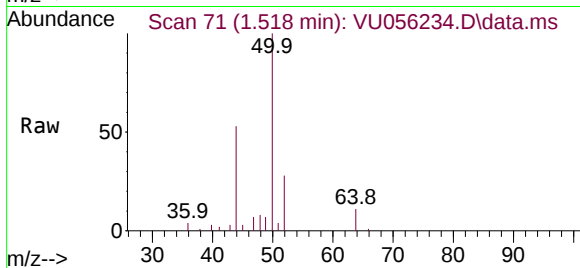
ClientSampleId :

Tgt Ion: 50 Resp: 9211

Ion Ratio Lower Upper

50 100

52 27.6 22.2 41.2



#5

Vinyl chloride

Concen: 0.162 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU056234.D

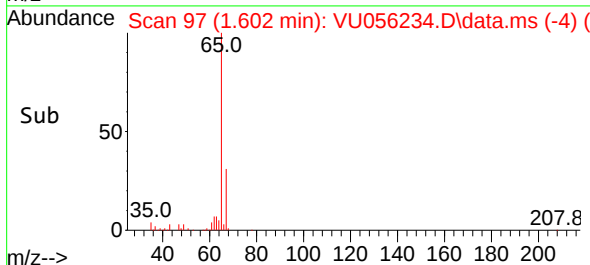
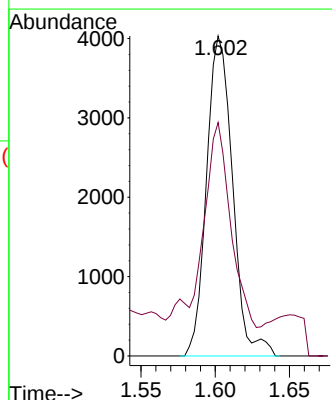
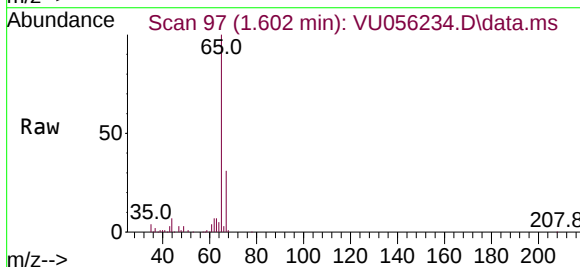
Acq: 11 Nov 2023 22:56

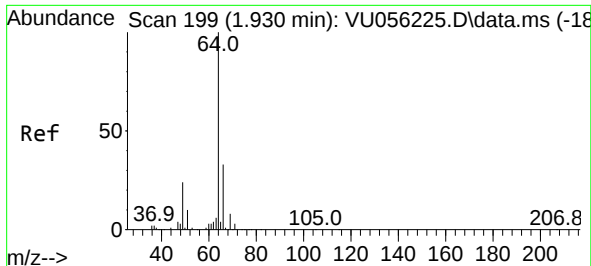
Tgt Ion: 62 Resp: 4907

Ion Ratio Lower Upper

62 100

64 72.9 24.1 44.7#





#8

Chloroethane

Concen: 0.289 ug/L

RT: 1.933 min Scan# 200

Delta R.T. 0.003 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

Instrument :

MSVOA_U

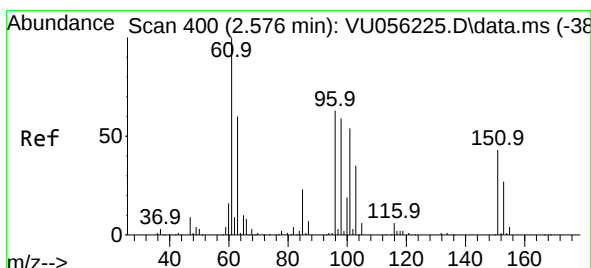
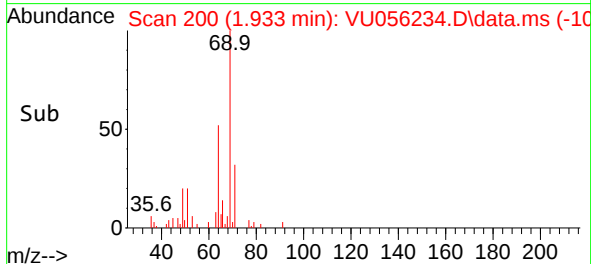
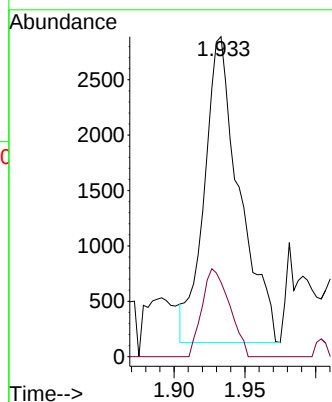
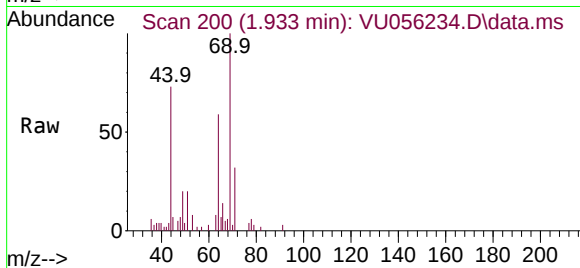
ClientSampleId :

Tgt Ion: 64 Resp: 4767

Ion Ratio Lower Upper

64 100

66 23.3 22.4 41.6



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.304 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

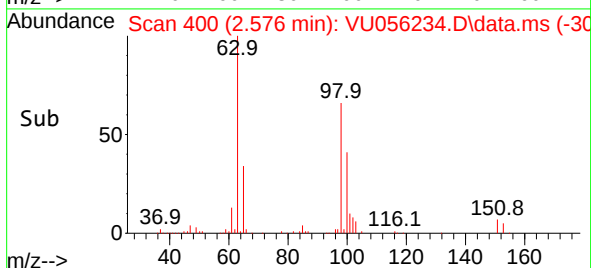
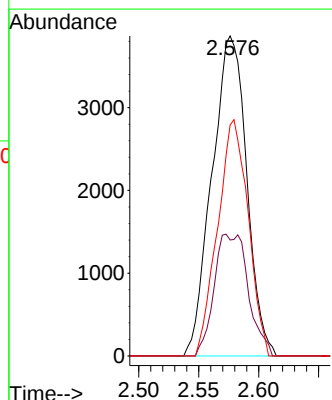
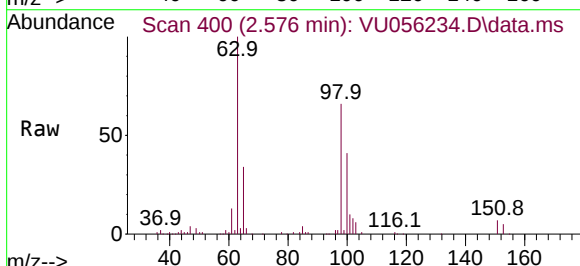
Tgt Ion:101 Resp: 7787

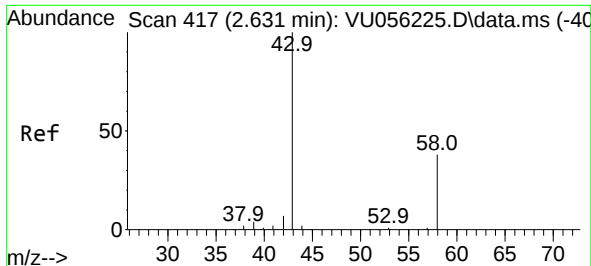
Ion Ratio Lower Upper

101 100

85 37.3 34.2 51.4

151 64.9 59.3 88.9

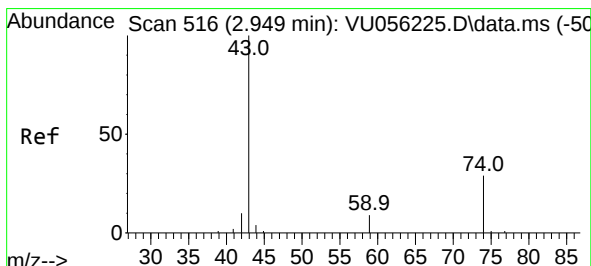
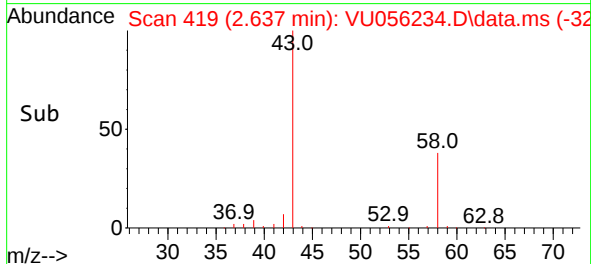
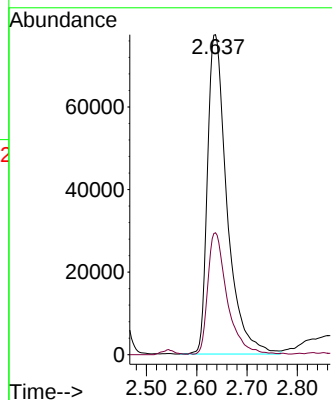
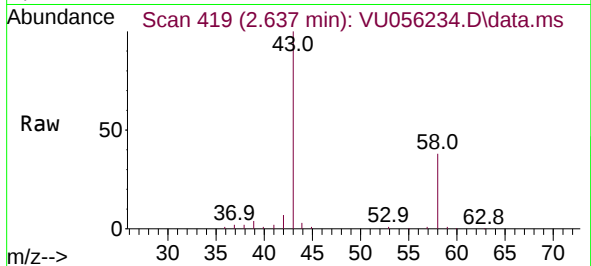




#13
Acetone
Concen: 75.388 ug/L
RT: 2.637 min Scan# 41
Delta R.T. 0.006 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

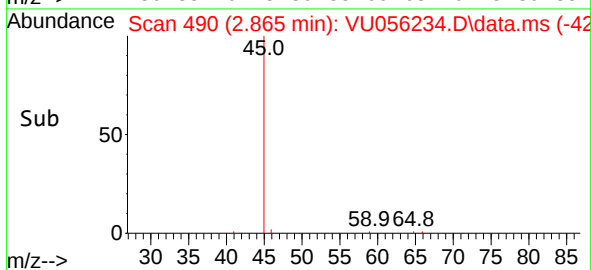
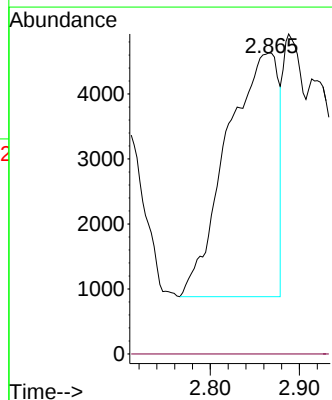
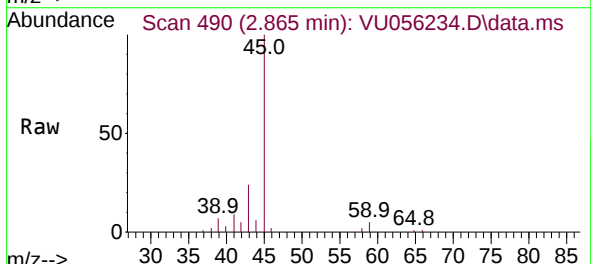
Instrument :
MSVOA_U
ClientSampleId :

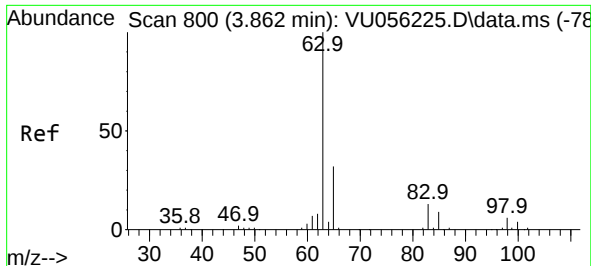
Tgt Ion: 43 Resp: 209213
Ion Ratio Lower Upper
43 100
58 37.5 0.0 74.4



#15
Methyl Acetate
Concen: 1.927 ug/L
RT: 2.865 min Scan# 490
Delta R.T. -0.084 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

Tgt Ion: 43 Resp: 15091
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

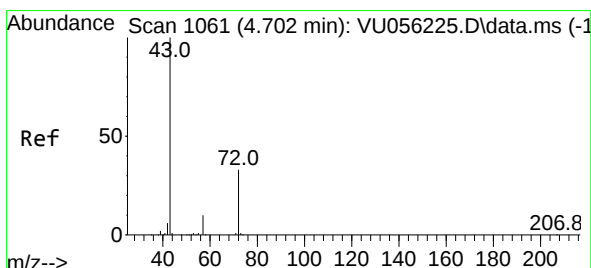
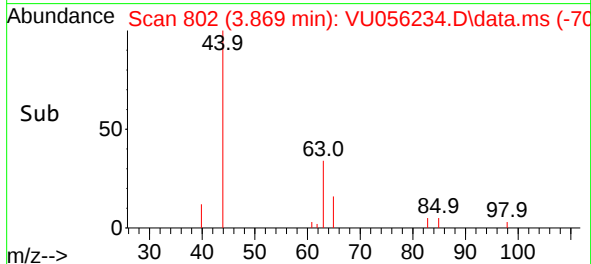
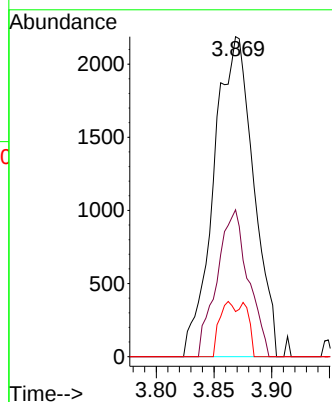
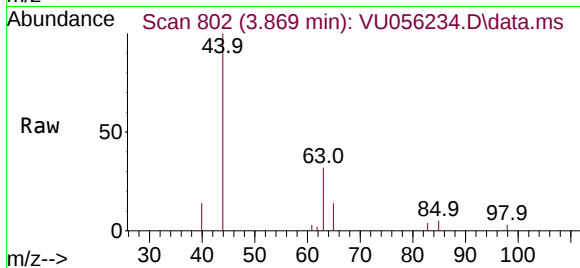




#19
1,1-Dichloroethane
Concen: 0.114 ug/L
RT: 3.869 min Scan# 800
Delta R.T. 0.006 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

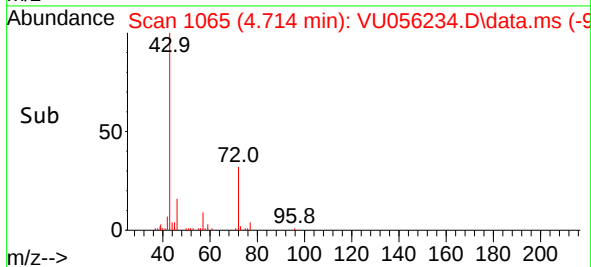
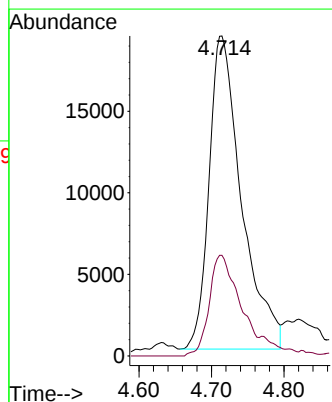
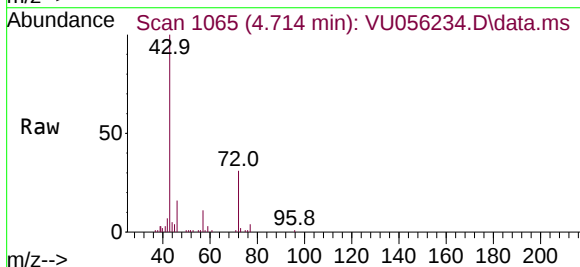
Instrument :
MSVOA_U
ClientSampleId :

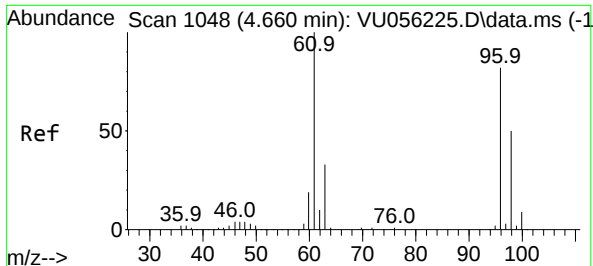
Tgt Ion: 63 Resp: 5223
Ion Ratio Lower Upper
63 100
65 45.9 20.6 38.2#
83 14.1 9.6 17.8



#21
2-Butanone
Concen: 13.060 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.013 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

Tgt Ion: 43 Resp: 59773
Ion Ratio Lower Upper
43 100
72 29.9 15.7 47.0





#22

cis-1,2-Dichloroethene

Concen: 0.482 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

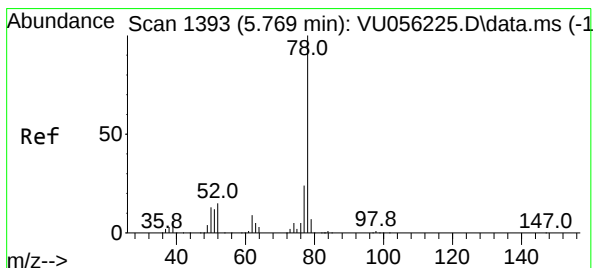
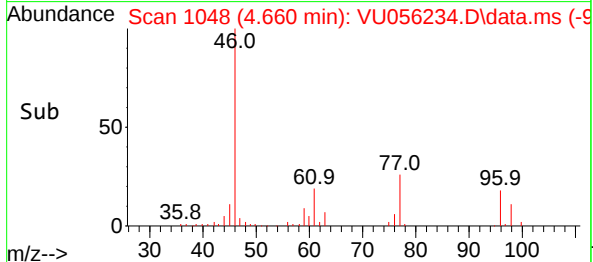
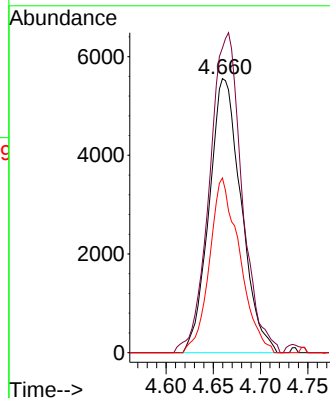
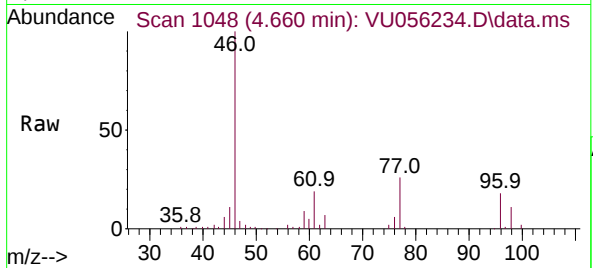
Tgt Ion: 96 Resp: 13103

Ion Ratio Lower Upper

96 100

61 111.2 87.8 163.2

98 63.8 43.5 80.7



#33

Benzene

Concen: 0.176 ug/L

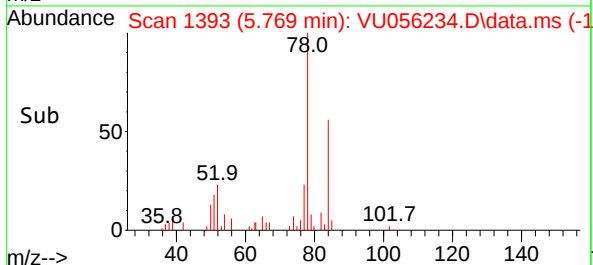
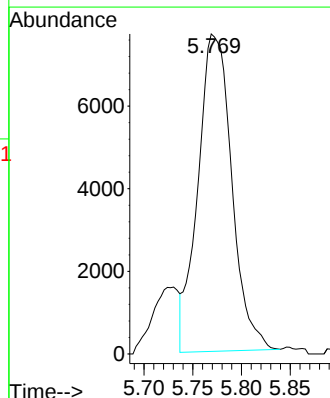
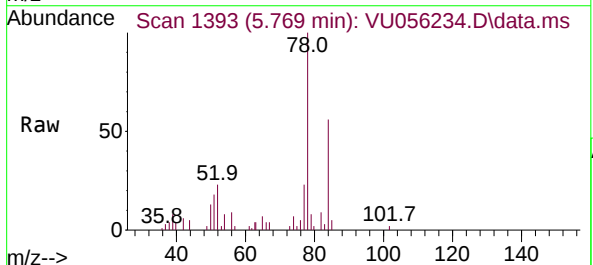
RT: 5.769 min Scan# 1393

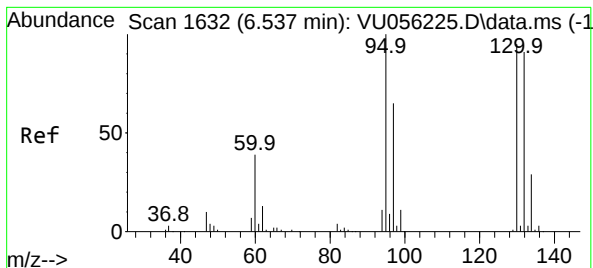
Delta R.T. -0.000 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

Tgt Ion: 78 Resp: 18519





#34

Trichloroethene

Concen: 14.754 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 423733

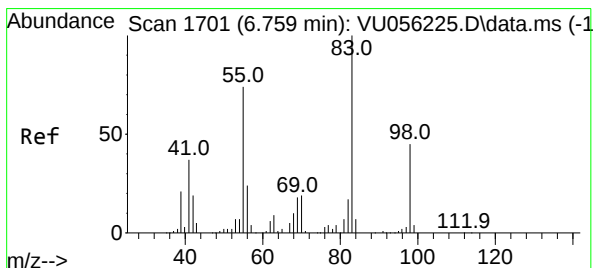
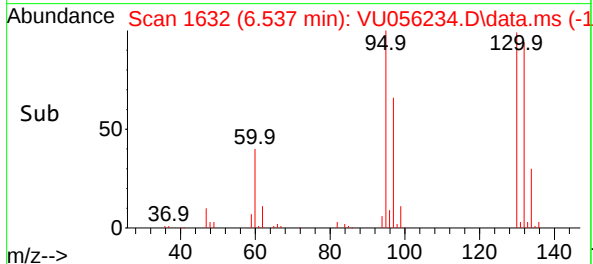
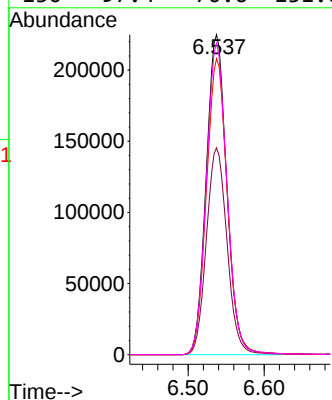
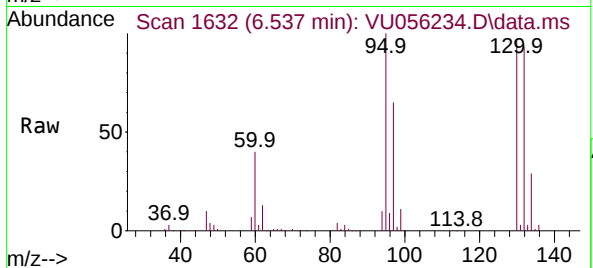
Ion Ratio Lower Upper

95 100

97 64.6 46.8 87.0

132 92.5 66.5 123.5

130 97.4 70.6 131.0



#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056234.D

Acq: 11 Nov 2023 22:56

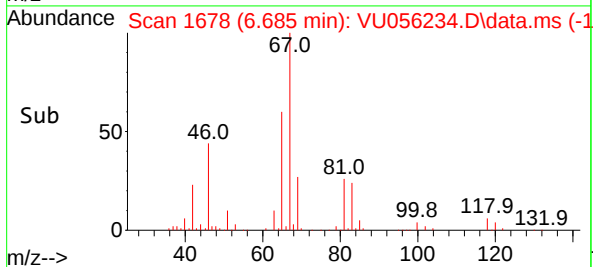
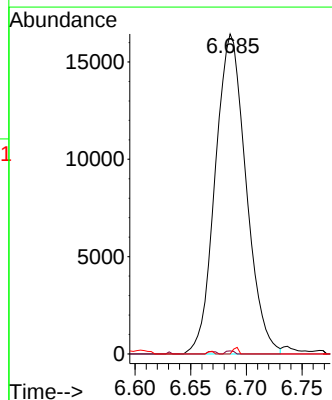
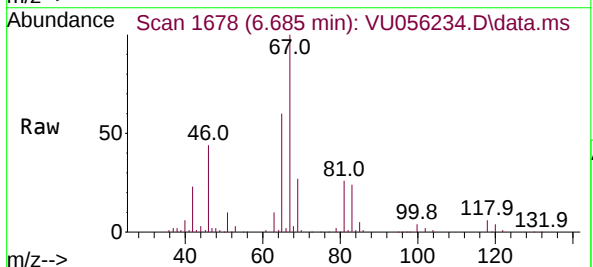
Tgt Ion: 83 Resp: 31627

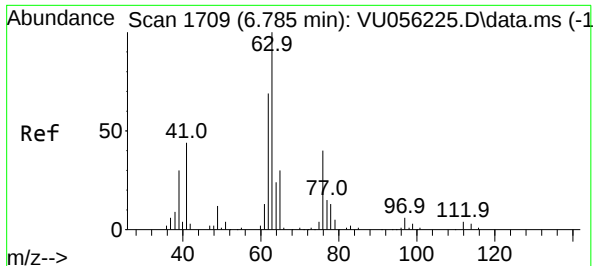
Ion Ratio Lower Upper

83 100

55 0.3 60.6 91.0#

98 0.0 36.2 54.4#

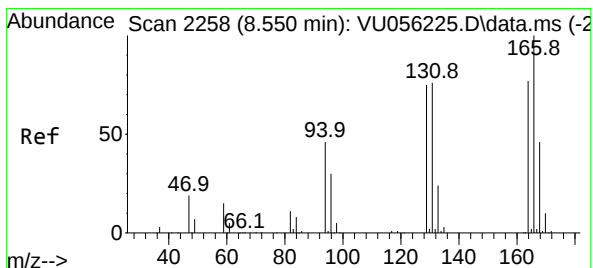
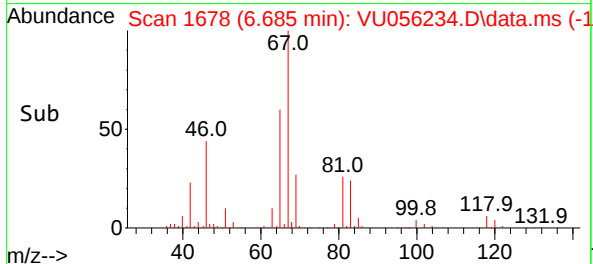
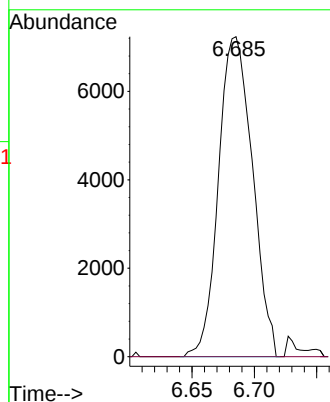
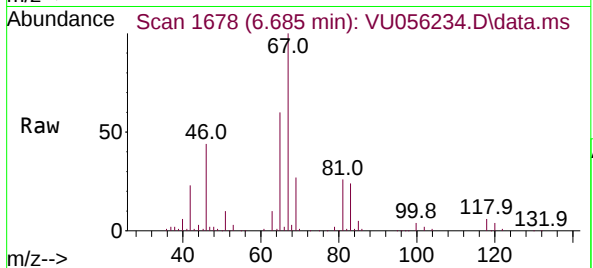




#37
1,2-Dichloropropane
Concen: 0.502 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

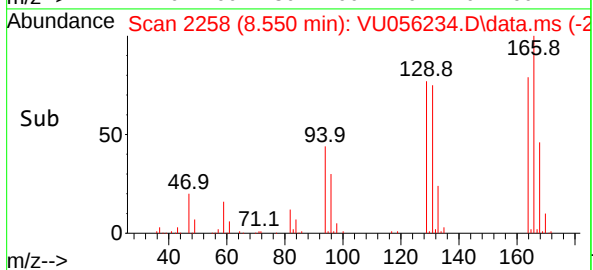
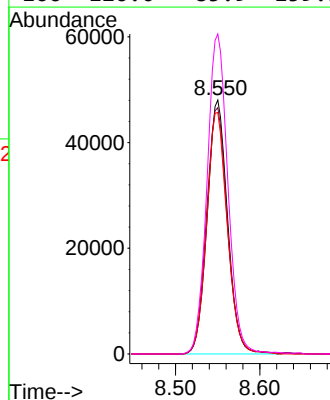
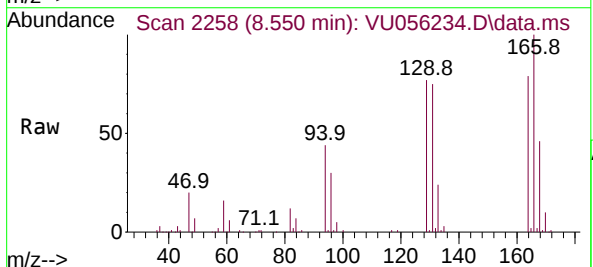
Instrument :
MSVOA_U
ClientSampleId :

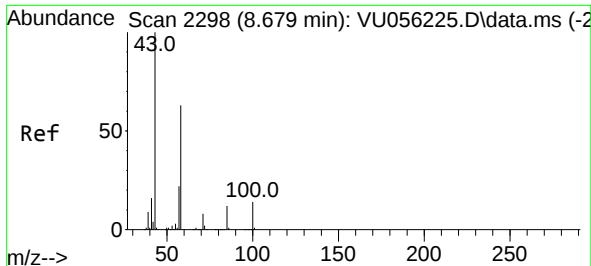
Tgt Ion: 63 Resp: 13723
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#47
Tetrachloroethene
Concen: 3.749 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

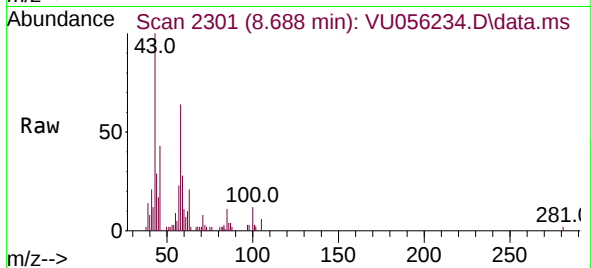
Tgt Ion: 164 Resp: 80802
Ion Ratio Lower Upper
164 100
129 96.9 66.6 123.8
131 95.1 67.8 126.0
166 126.0 85.9 159.5



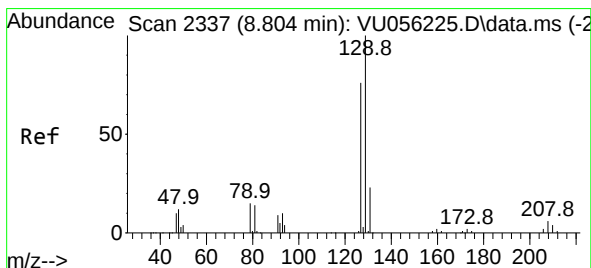
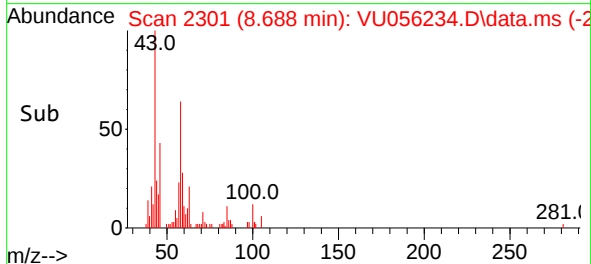
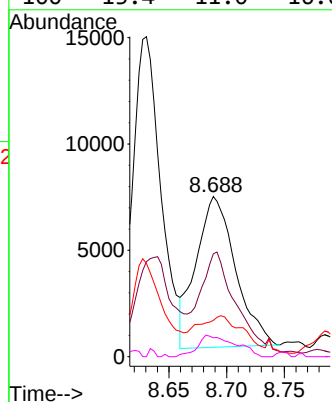


#48
2-Hexanone
Concen: 1.941 ug/L
RT: 8.688 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

Instrument :
MSVOA_U
ClientSampleId :

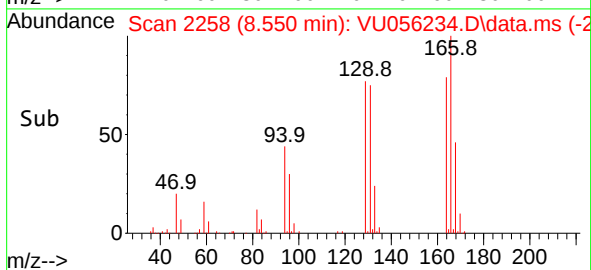
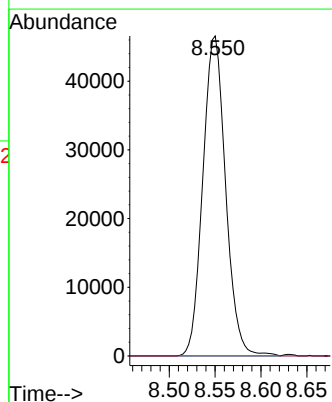
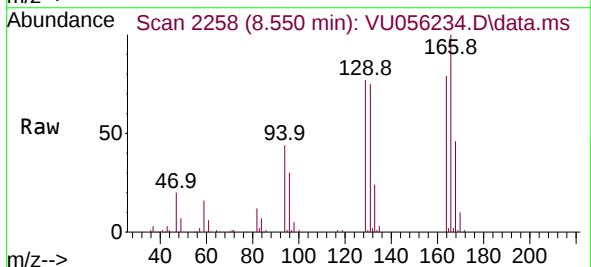


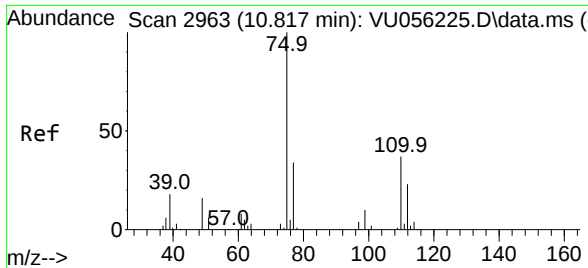
Tgt Ion: 43 Resp: 16903
Ion Ratio Lower Upper
43 100
58 60.5 52.0 78.0
57 33.2 17.4 26.2#
100 13.4 11.0 16.6



#49
Dibromochloromethane
Concen: 3.756 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.254 min
Lab File: VU056234.D
Acq: 11 Nov 2023 22:56

Tgt Ion: 129 Resp: 80551
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.338 ug/L
 RT: 11.807 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU056234.D
 Acq: 11 Nov 2023 22:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	75	Resp:	19641
Ion Ratio	Lower	Upper	
75	100		
110	1.6	29.7	44.5#
77	31.8	25.5	38.3

