

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056216.D
 Acq On : 11 Nov 2023 14:50
 Operator : MD/SY
 Sample : 05340-15RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 20:22:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 11 20:19:10 2023
 Response via : Initial Calibration

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

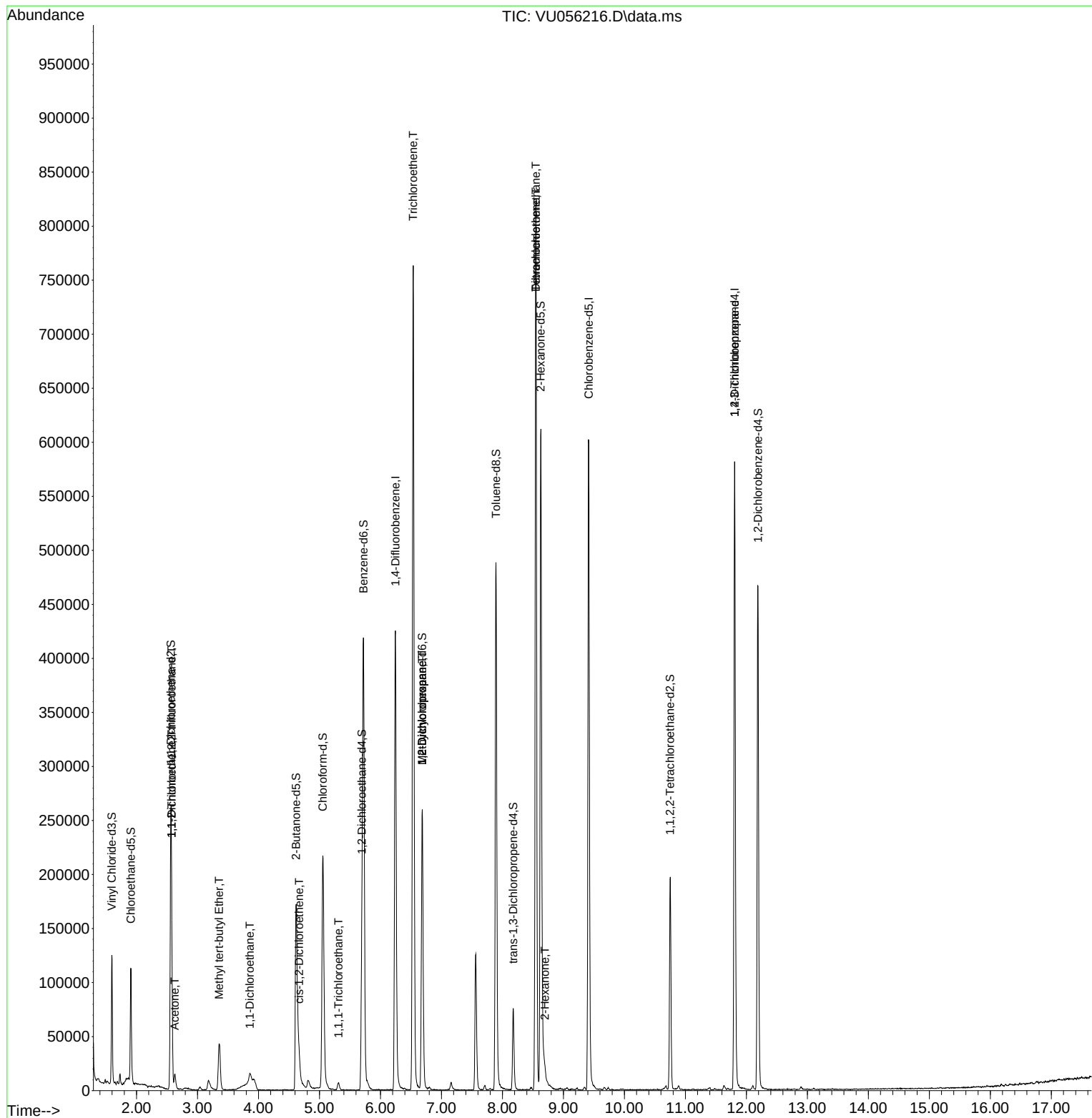
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	361227	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	367927	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	163017	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85090	3.795	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.907	69	78769	5.177	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	2.563	65	40671	4.117	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	4.618	46	252929	68.762	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.520%#
24) Chloroform-d	5.055	84	212101	4.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.695	65	102858	5.473	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.400%
32) Benzene-d6	5.721	84	413410	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.685	67	131728	5.064	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.894	98	345165	4.263	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	8.177	79	46333	4.660	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.200%
46) 2-Hexanone-d5	8.627	63	218129	66.932	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.860%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	102597	5.526	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	128215	5.100	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	15900	0.636	ug/L	98
12) 1,1-Dichloroethene	2.576	96	20663	0.890	ug/L #	5
13) Acetone	2.628	43	17275	6.368	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	51697	0.988	ug/L	98
19) 1,1-Dichloroethane	3.859	63	7746	0.173	ug/L #	82
22) cis-1,2-Dichloroethene	4.666	96	9518	0.358	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	5097	0.121	ug/L	94
34) Trichloroethene	6.537	95	274880	9.552	ug/L	98
35) Methylcyclohexane	6.685	83	30712	0.718	ug/L #	20
37) 1,2-Dichloropropane	6.685	63	13575	0.496	ug/L #	90
47) Tetrachloroethene	8.550	164	186222	8.622	ug/L	96
48) 2-Hexanone	8.695	43	10773	1.235	ug/L #	44
49) Dibromochloromethane	8.550	129	185000	8.609	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	18553	1.318	ug/L #	68

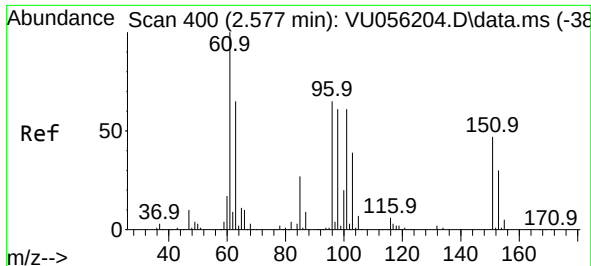
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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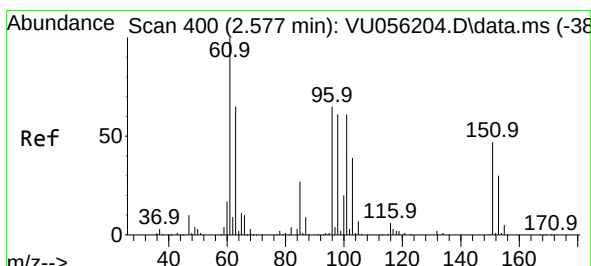
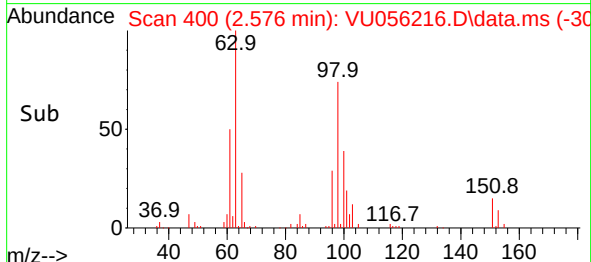
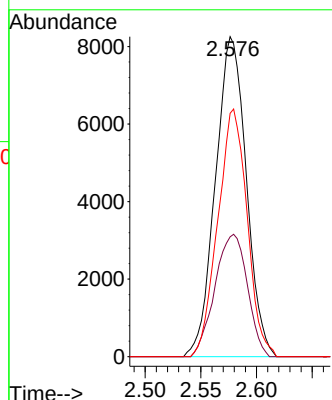
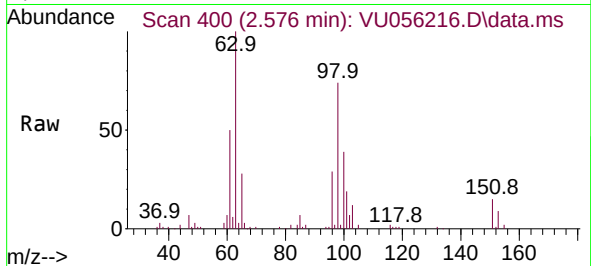




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.636 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056216.D
 Acq: 11 Nov 2023 14:50

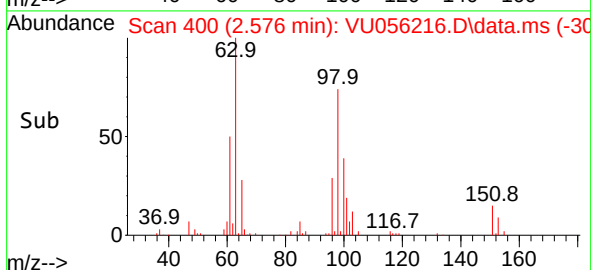
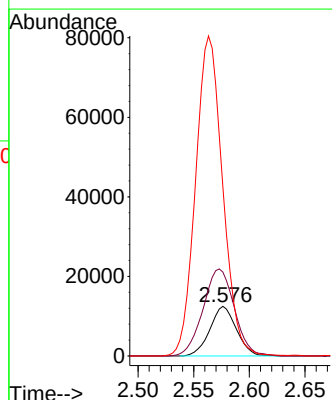
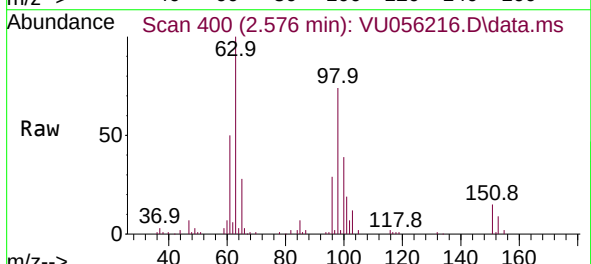
Instrument :
 MSVOA_U
 ClientSampleId :

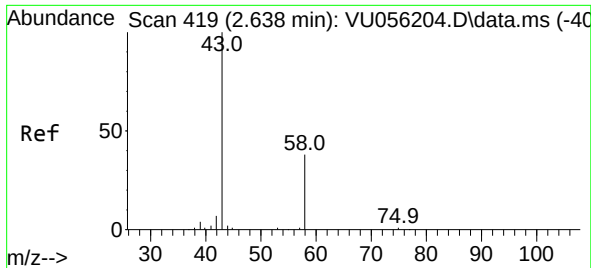
Tgt Ion:101 Resp: 15900
 Ion Ratio Lower Upper
 101 100
 85 40.1 34.2 51.4
 151 73.7 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 0.890 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056216.D
 Acq: 11 Nov 2023 14:50

Tgt Ion: 96 Resp: 20663
 Ion Ratio Lower Upper
 96 100
 61 169.2 111.7 207.5
 63 340.0 74.5 138.3





#13

Acetone

Concen: 6.368 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

Instrument :

MSVOA_U

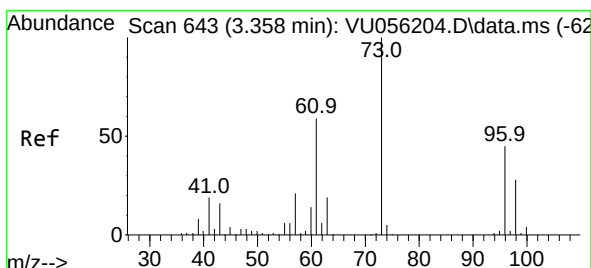
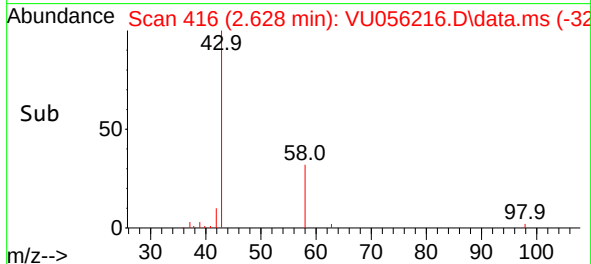
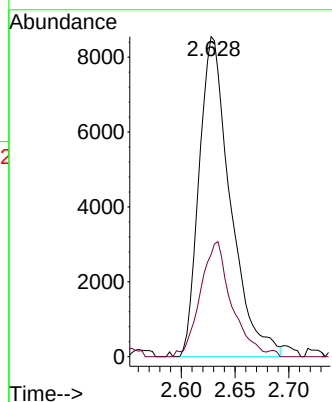
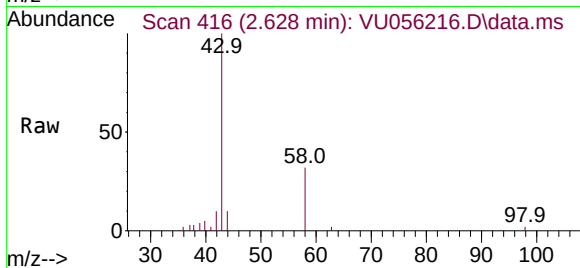
ClientSampleId :

Tgt Ion: 43 Resp: 17275

Ion Ratio Lower Upper

43 100

58 35.8 0.0 74.4



#17

Methyl tert-butyl Ether

Concen: 0.988 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.004 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

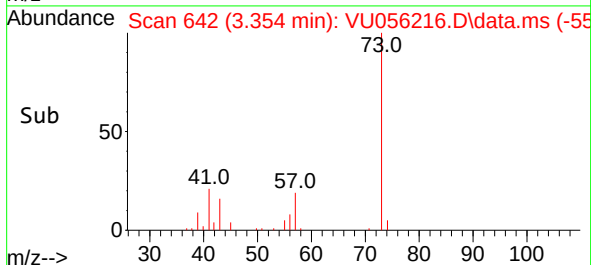
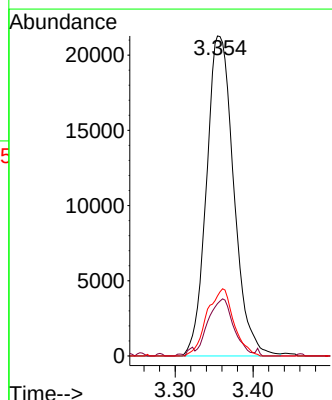
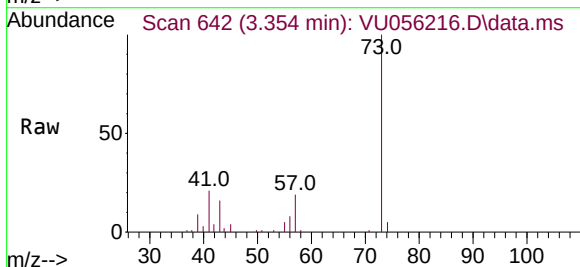
Tgt Ion: 73 Resp: 51697

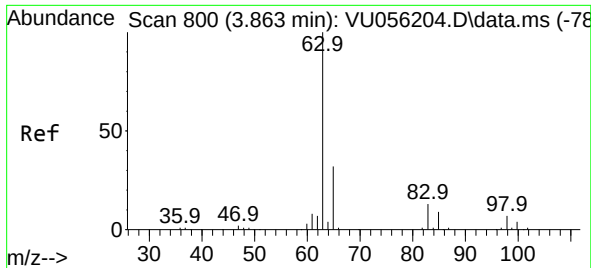
Ion Ratio Lower Upper

73 100

43 16.6 13.6 20.4

57 20.7 17.3 25.9





#19

1,1-Dichloroethane

Concen: 0.173 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.004 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

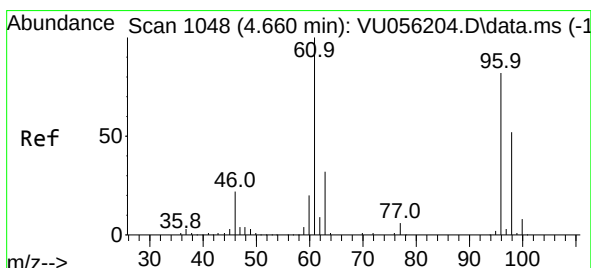
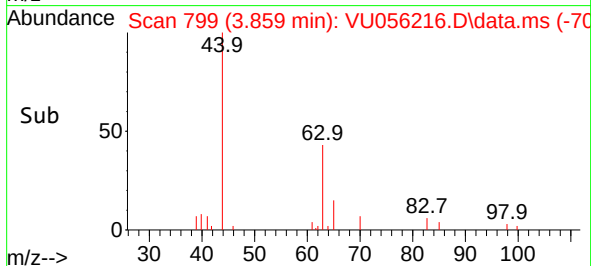
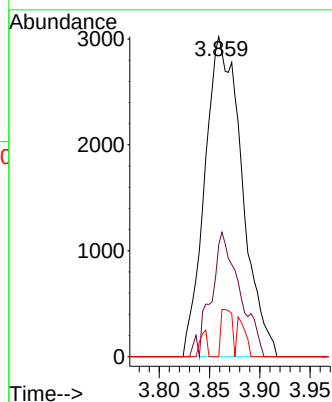
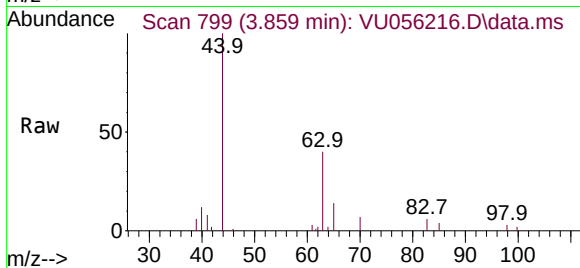
Tgt Ion: 63 Resp: 7746

Ion Ratio Lower Upper

63 100

65 35.0 20.6 38.2

83 0.0 9.6 17.8#



#22

cis-1,2-Dichloroethene

Concen: 0.358 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

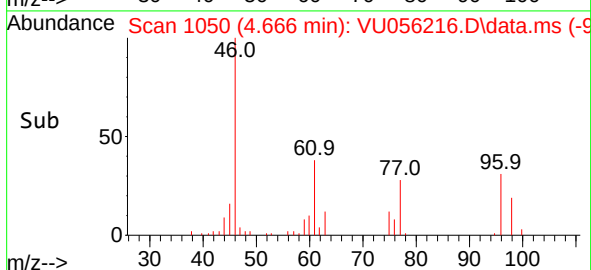
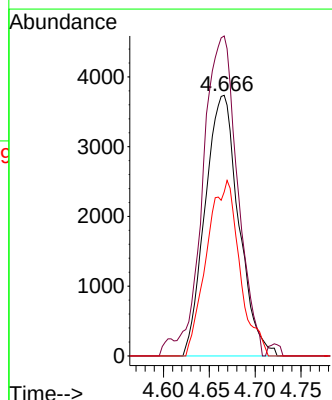
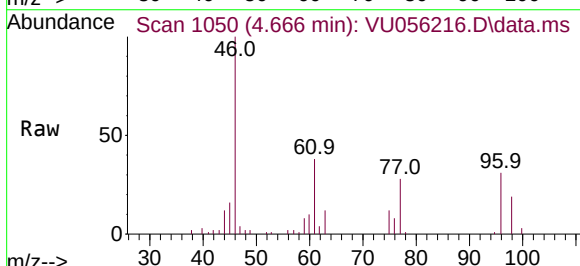
Tgt Ion: 96 Resp: 9518

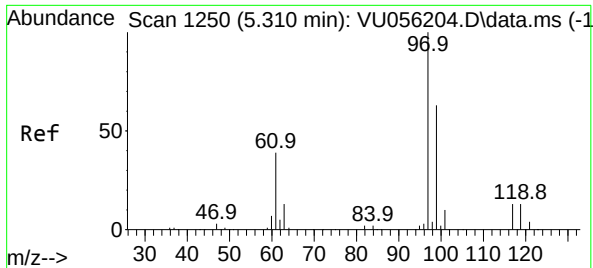
Ion Ratio Lower Upper

96 100

61 122.8 87.8 163.2

98 62.9 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.121 ug/L

RT: 5.312 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

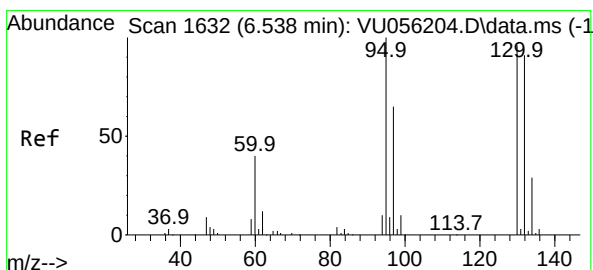
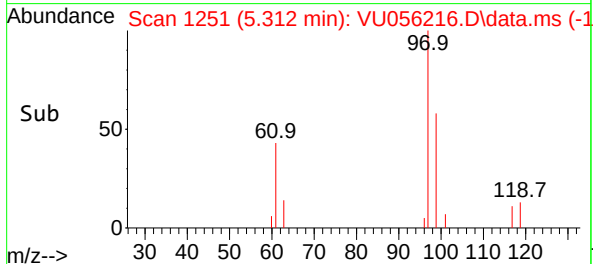
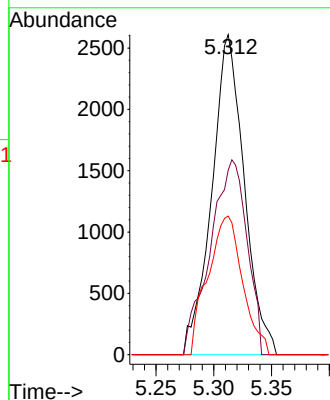
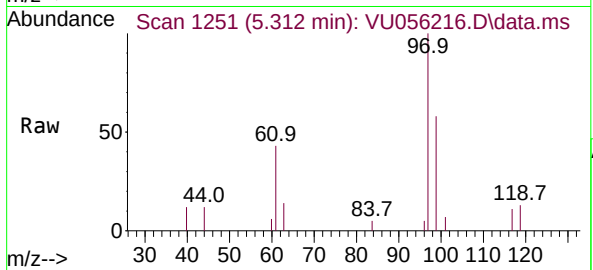
Tgt Ion: 97 Resp: 5097

Ion Ratio Lower Upper

97 100

99 69.1 52.0 78.0

61 46.6 33.4 50.0



#34

Trichloroethene

Concen: 9.552 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

Tgt Ion: 95 Resp: 274880

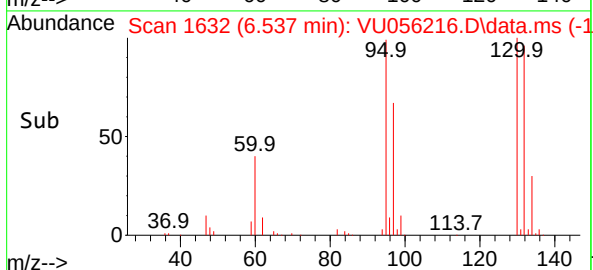
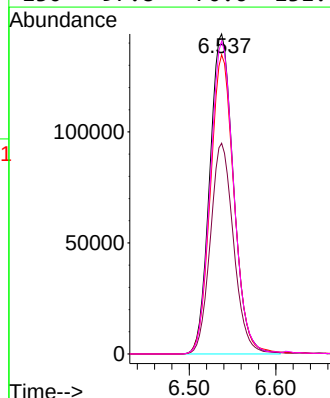
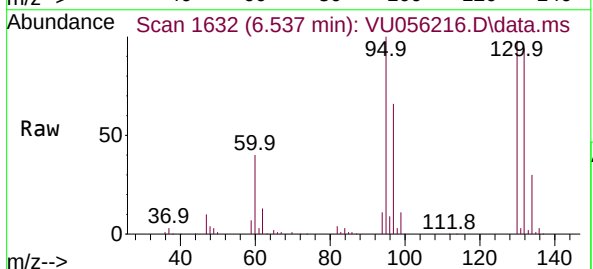
Ion Ratio Lower Upper

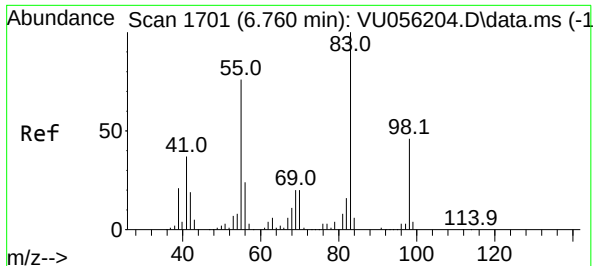
95 100

97 65.9 46.8 87.0

132 93.5 66.5 123.5

130 97.8 70.6 131.0





#35

Methylcyclohexane

Concen: 0.718 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056216.D

Acq: 11 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

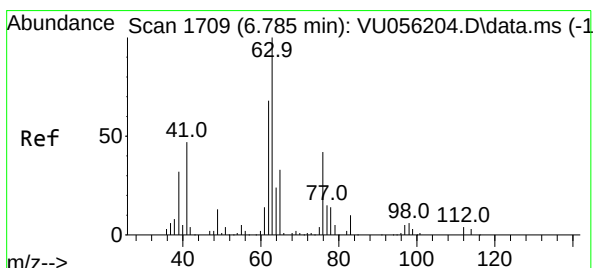
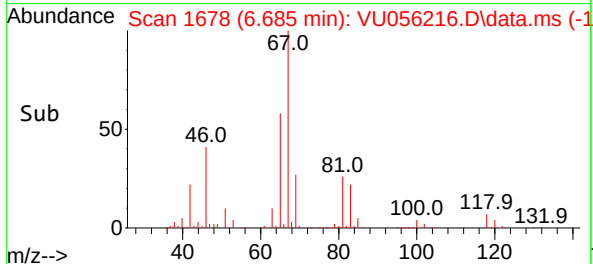
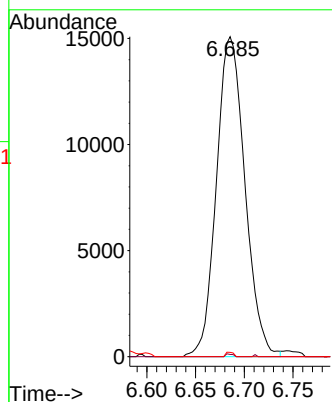
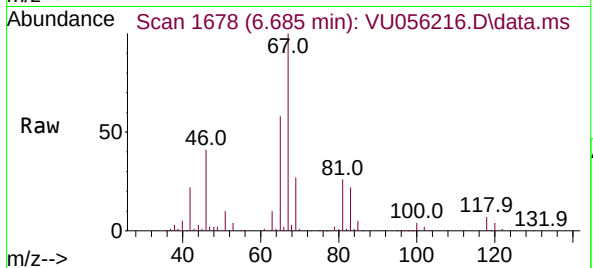
Tgt Ion: 83 Resp: 30712

Ion Ratio Lower Upper

83 100

55 0.2 60.6 91.0#

98 1.0 36.2 54.4#



#37

1,2-Dichloropropane

Concen: 0.496 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.100 min

Lab File: VU056216.D

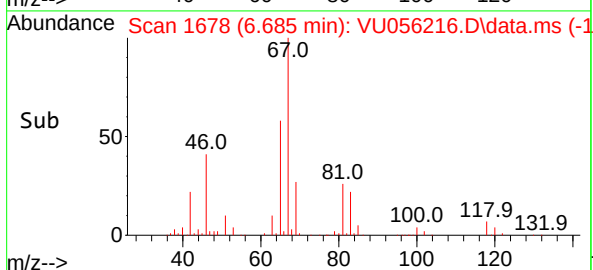
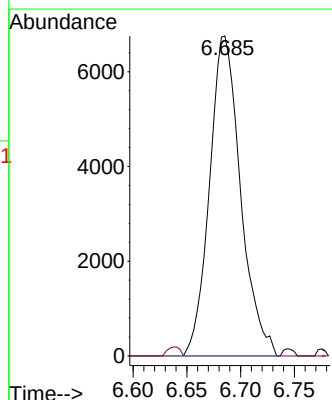
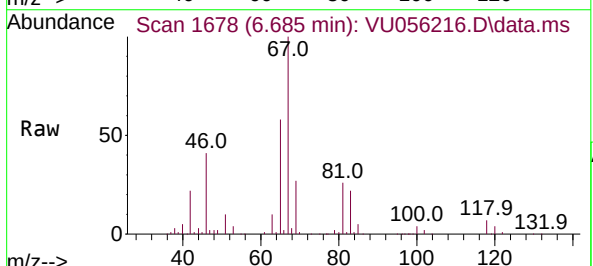
Acq: 11 Nov 2023 14:50

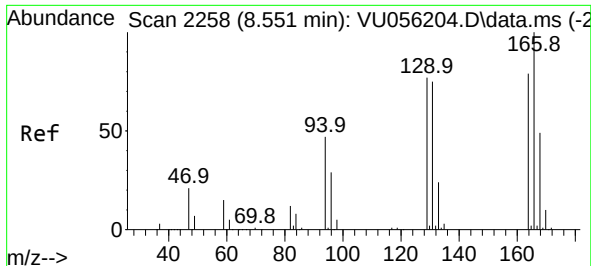
Tgt Ion: 63 Resp: 13575

Ion Ratio Lower Upper

63 100

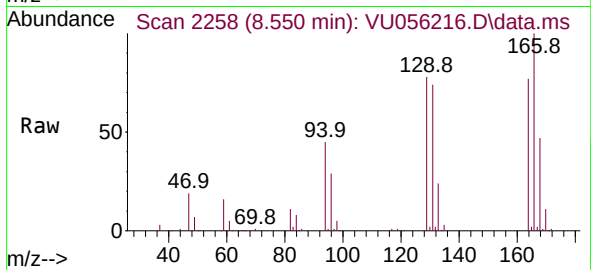
112 1.1 3.4 5.2#



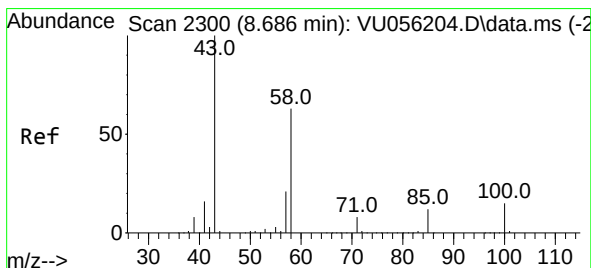
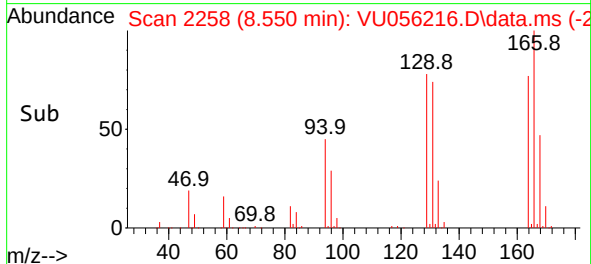
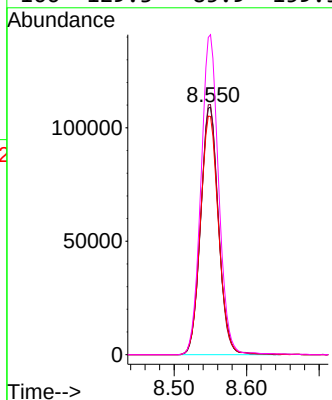


#47
Tetrachloroethene
Concen: 8.622 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056216.D
Acq: 11 Nov 2023 14:50

Instrument :
MSVOA_U
ClientSampleId :

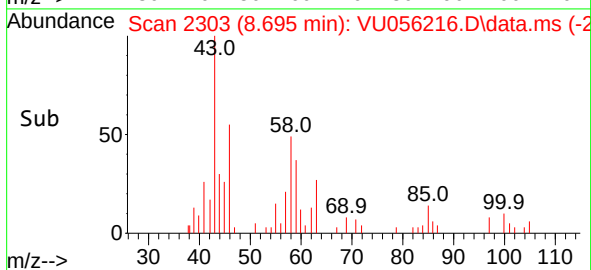
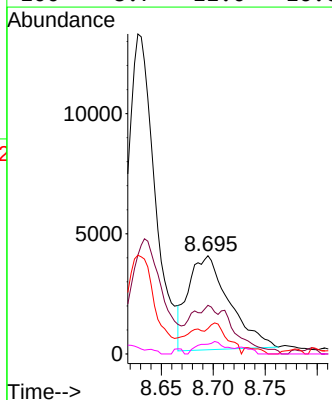
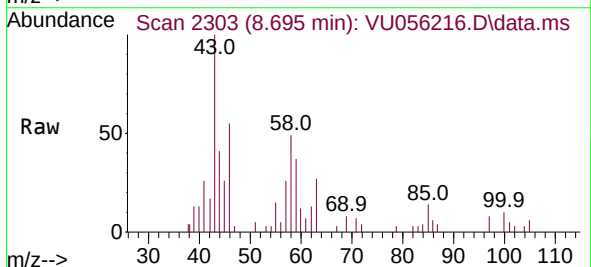


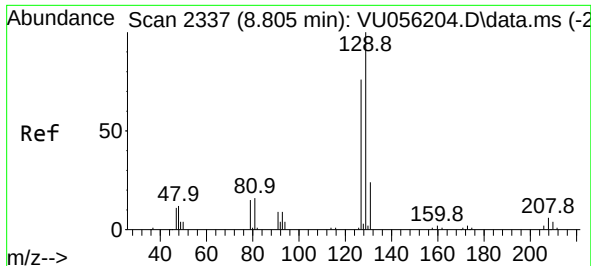
Tgt Ion:164 Resp: 186222
Ion Ratio Lower Upper
164 100
129 101.1 66.6 123.8
131 96.3 67.8 126.0
166 129.3 85.9 159.5



#48
2-Hexanone
Concen: 1.235 ug/L
RT: 8.695 min Scan# 2303
Delta R.T. 0.009 min
Lab File: VU056216.D
Acq: 11 Nov 2023 14:50

Tgt Ion: 43 Resp: 10773
Ion Ratio Lower Upper
43 100
58 2.9 52.0 78.0#
57 15.2 17.4 26.2#
100 8.7 11.0 16.6#

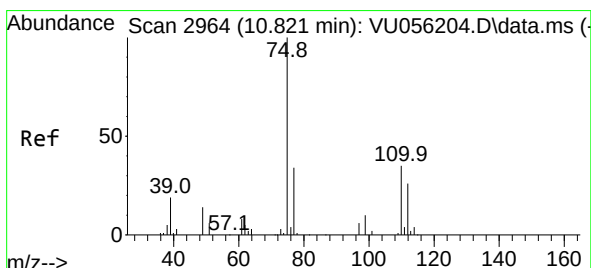
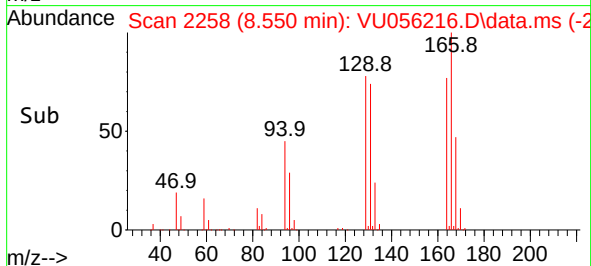
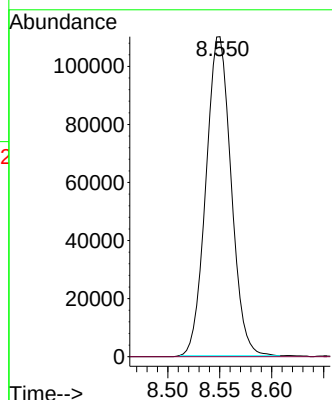
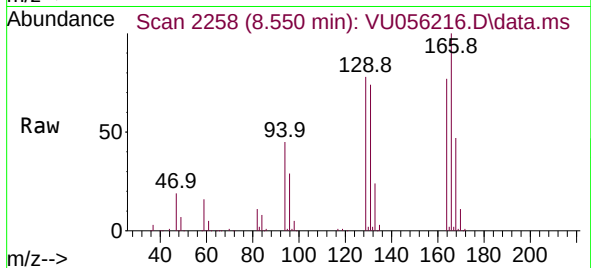




#49
Dibromochloromethane
Concen: 8.609 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU056216.D
Acq: 11 Nov 2023 14:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 185000
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.318 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.987 min
Lab File: VU056216.D
Acq: 11 Nov 2023 14:50

Tgt Ion: 75 Resp: 18553
Ion Ratio Lower Upper
75 100
110 1.4 29.7 44.5#
77 32.2 25.5 38.3

