

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056227.D
 Acq On : 11 Nov 2023 20:06
 Operator : MD/SY
 Sample : 05371-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 22:18:24 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)

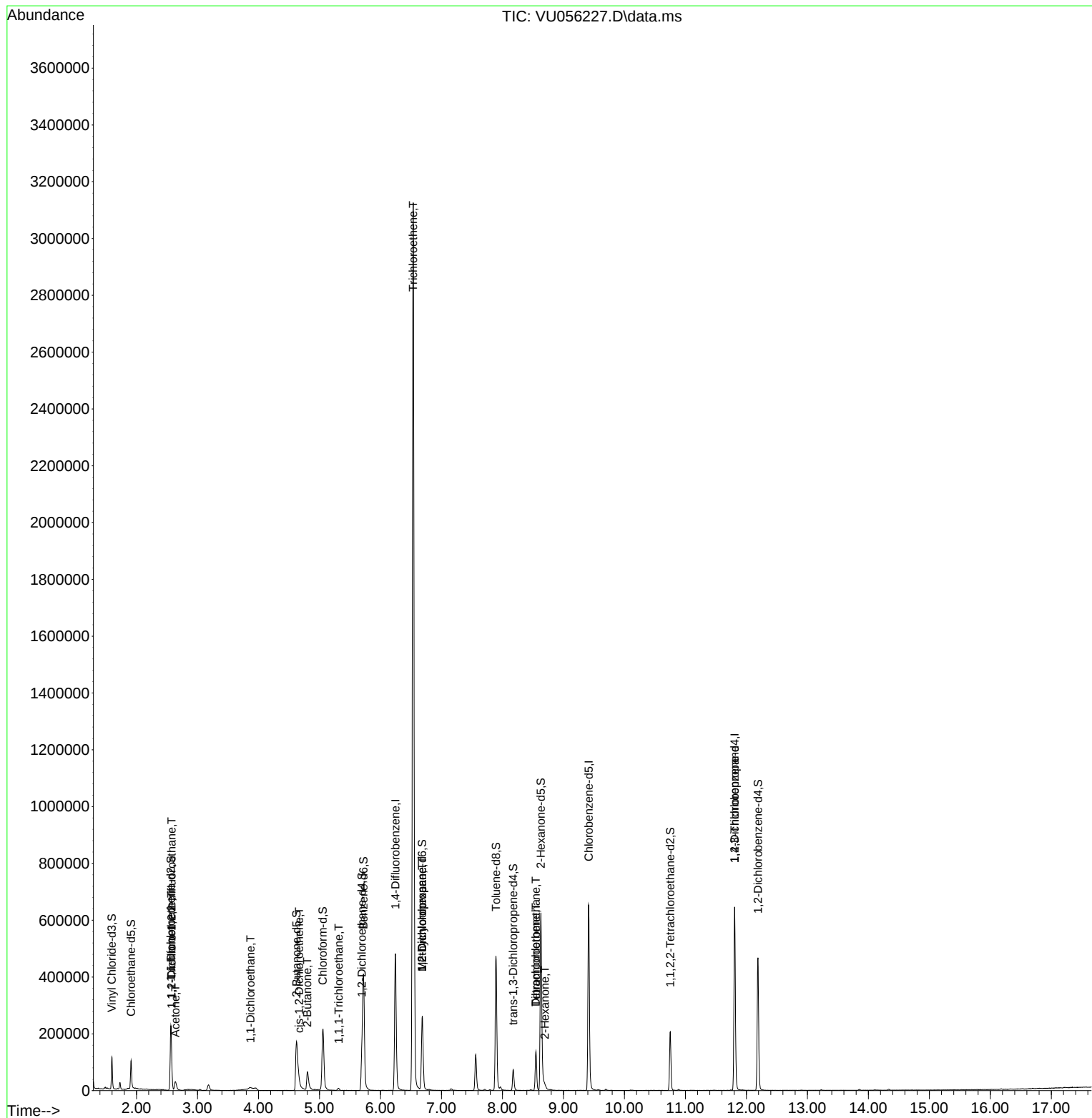
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	405873	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	401821	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	179481	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	82682	3.282	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.600%
7) Chloroethane-d5	1.911	69	72451	4.238	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.563	65	40227	3.624	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	4.624	46	270959	65.560	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.120%#
24) Chloroform-d	5.055	84	210537	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.695	65	99820	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.721	84	409160	4.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.685	67	132133	4.651	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.894	98	343450	3.884	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.600%
43) trans-1,3-Dichloroprop...	8.177	79	46921	4.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.630	63	230127	64.658	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104158	5.137	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	132922	4.802	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	8508	0.303	ug/L	92
12) 1,1-Dichloroethene	2.573	96	5493	0.211	ug/L #	1
13) Acetone	2.637	43	47894	15.713	ug/L	99
19) 1,1-Dichloroethane	3.869	63	5115	0.101	ug/L	99
21) 2-Butanone	4.801	43	89136	17.732	ug/L #	43
22) cis-1,2-Dichloroethene	4.666	96	3499	0.117	ug/L	97
29) 1,1,1-Trichloroethane	5.316	97	5755	0.125	ug/L	96
34) Trichloroethene	6.537	95	1133868	36.079	ug/L	96
35) Methylcyclohexane	6.685	83	31688	0.678	ug/L #	23
37) 1,2-Dichloropropane	6.685	63	13101	0.438	ug/L #	88
47) Tetrachloroethene	8.550	164	31777	1.347	ug/L	94
48) 2-Hexanone	8.695	43	10499	1.102	ug/L #	83
49) Dibromochloromethane	8.550	129	32405	1.381	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	20770	1.341	ug/L #	68

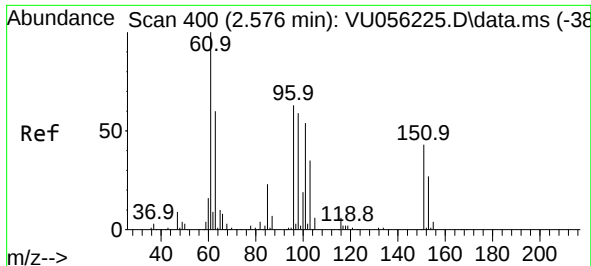
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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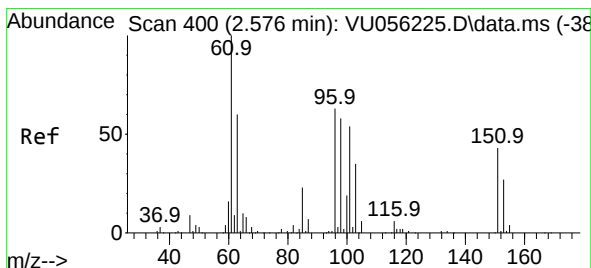
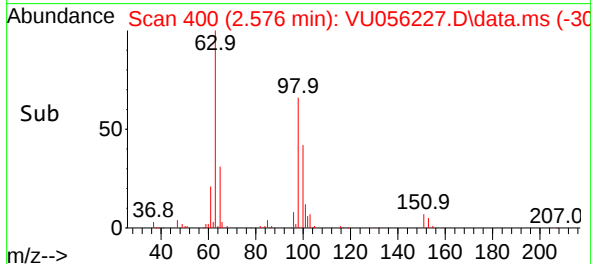
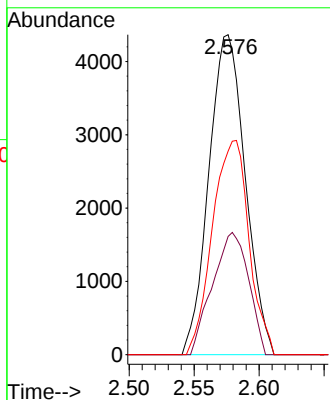
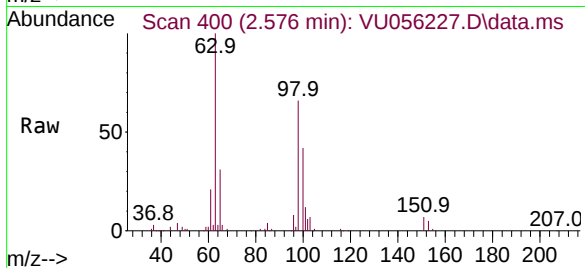




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.303 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056227.D
 Acq: 11 Nov 2023 20:06

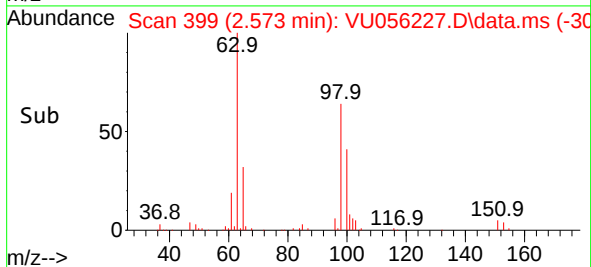
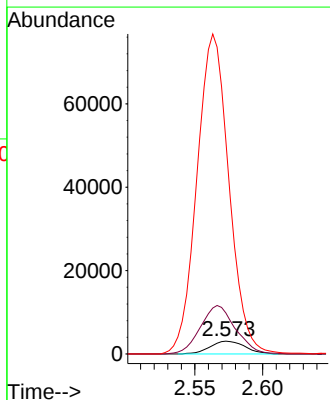
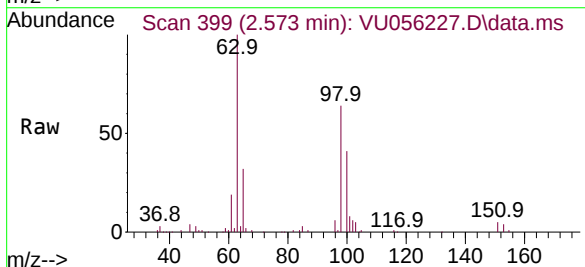
Instrument :
 MSVOA_U
 ClientSampleId :

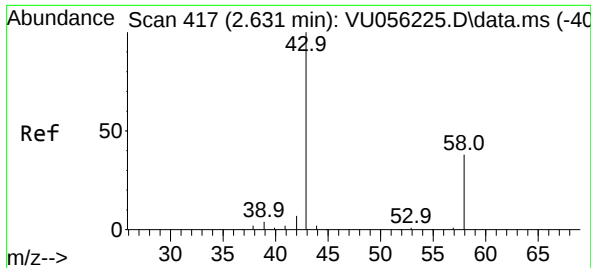
Tgt Ion:101 Resp: 8508
 Ion Ratio Lower Upper
 101 100
 85 37.8 34.2 51.4
 151 67.1 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 0.211 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU056227.D
 Acq: 11 Nov 2023 20:06

Tgt Ion: 96 Resp: 5493
 Ion Ratio Lower Upper
 96 100
 61 320.8 111.7 207.5#
 63 1671.1 74.5 138.3#





#13

Acetone

Concen: 15.713 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Instrument :

MSVOA_U

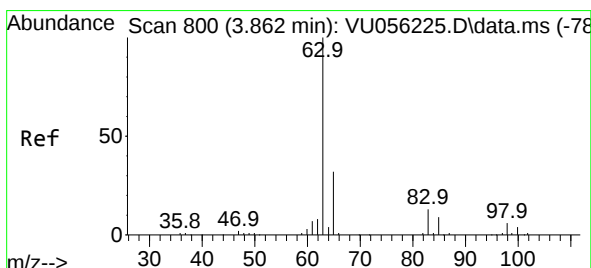
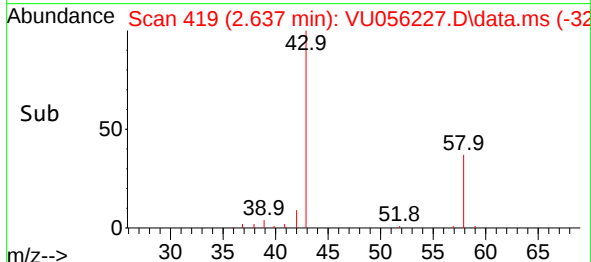
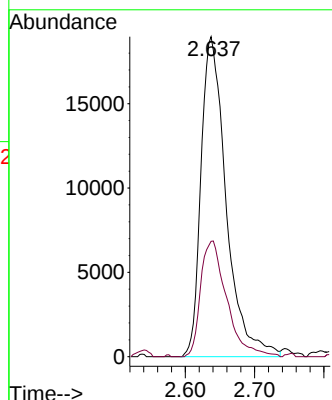
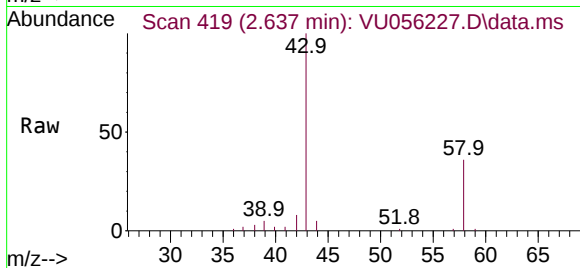
ClientSampleId :

Tgt Ion: 43 Resp: 47894

Ion Ratio Lower Upper

43 100

58 37.6 0.0 74.4



#19

1,1-Dichloroethane

Concen: 0.101 ug/L

RT: 3.869 min Scan# 802

Delta R.T. 0.006 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

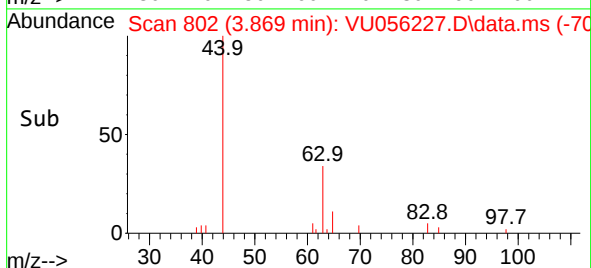
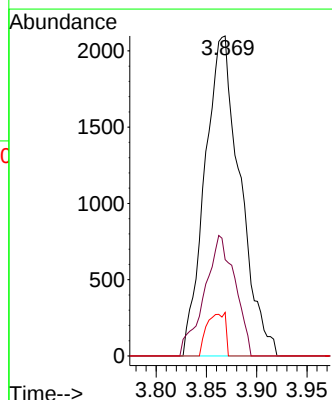
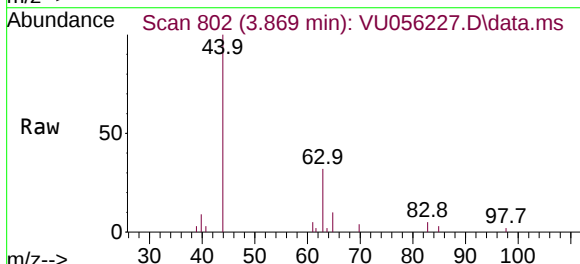
Tgt Ion: 63 Resp: 5115

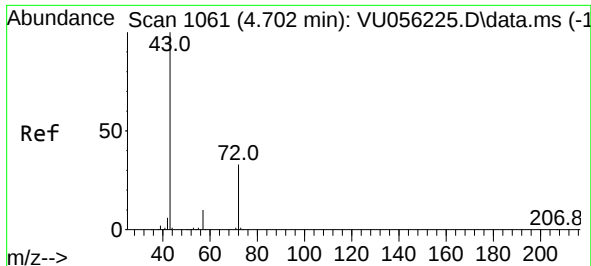
Ion Ratio Lower Upper

63 100

65 30.1 20.6 38.2

83 13.6 9.6 17.8





#21

2-Butanone

Concen: 17.732 ug/L

RT: 4.801 min Scan# 1092

Delta R.T. 0.100 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Instrument :

MSVOA_U

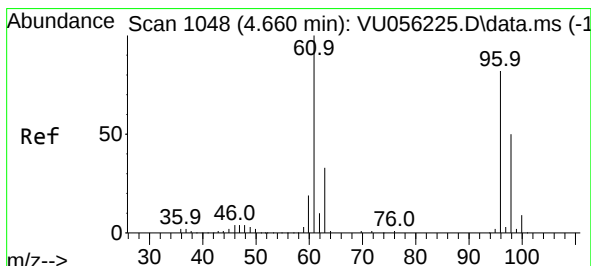
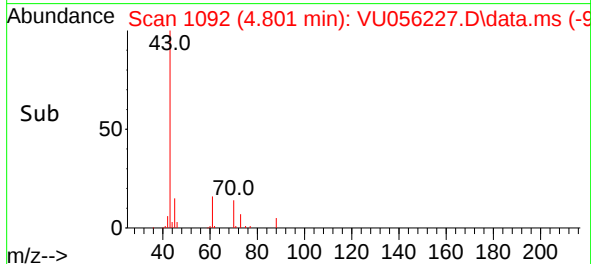
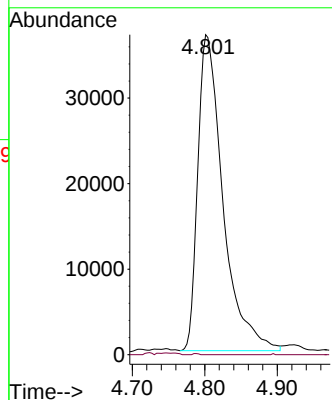
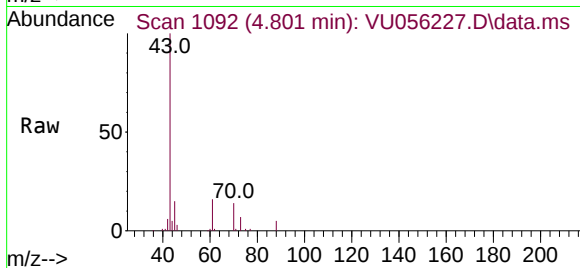
ClientSampleId :

Tgt Ion: 43 Resp: 89136

Ion Ratio Lower Upper

43 100

72 0.1 15.7 47.0#



#22

cis-1,2-Dichloroethene

Concen: 0.117 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

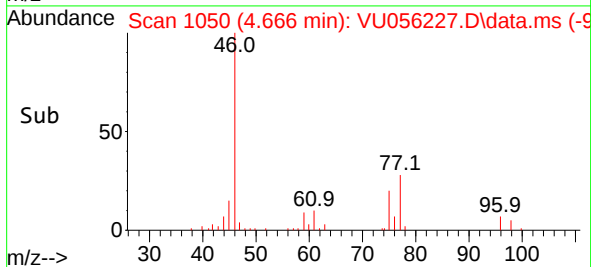
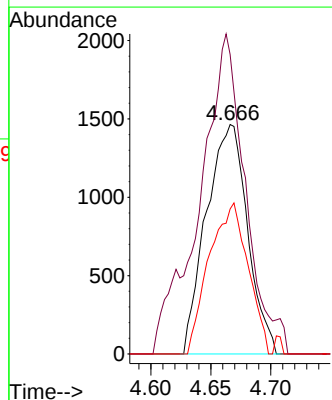
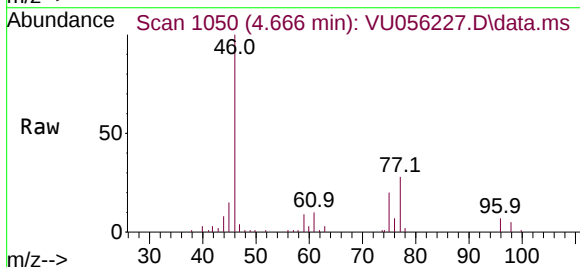
Tgt Ion: 96 Resp: 3499

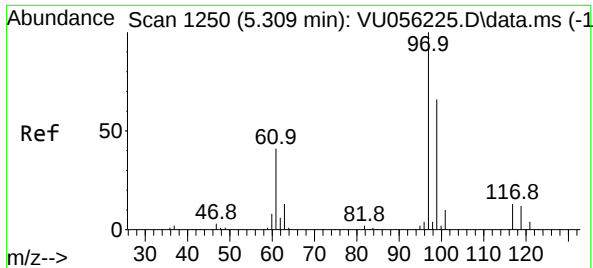
Ion Ratio Lower Upper

96 100

61 130.5 87.8 163.2

98 63.2 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.125 ug/L

RT: 5.316 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Instrument :

MSVOA_U

ClientSampleId :

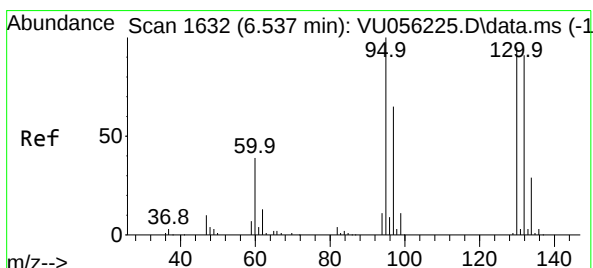
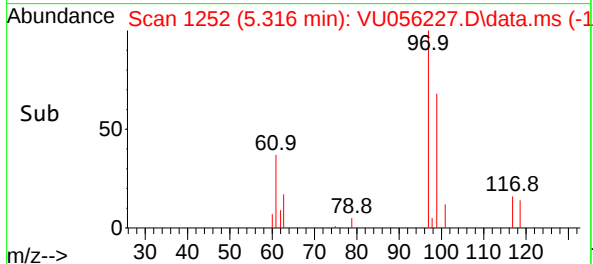
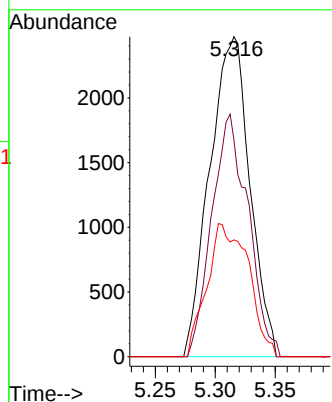
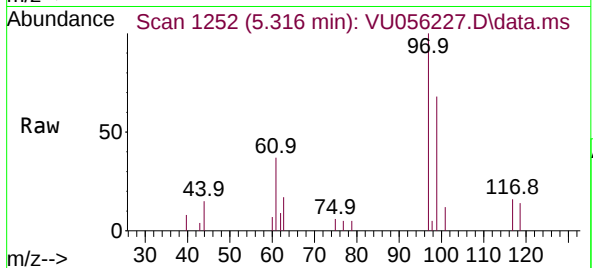
Tgt Ion: 97 Resp: 5755

Ion Ratio Lower Upper

97 100

99 68.7 52.0 78.0

61 42.9 33.4 50.0



#34

Trichloroethene

Concen: 36.079 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Tgt Ion: 95 Resp: 1133868

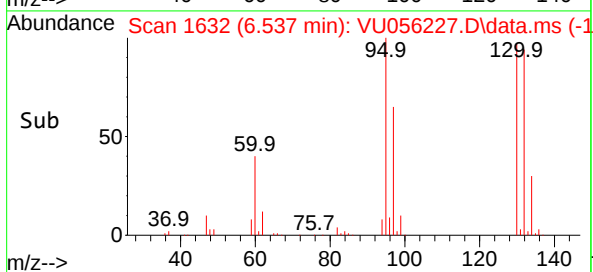
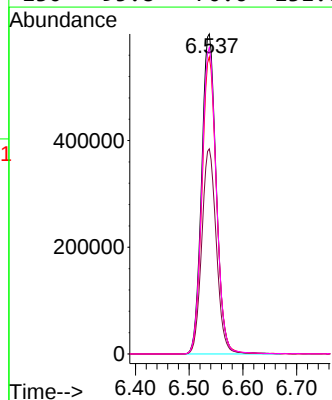
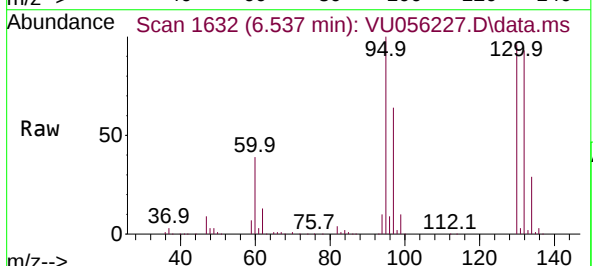
Ion Ratio Lower Upper

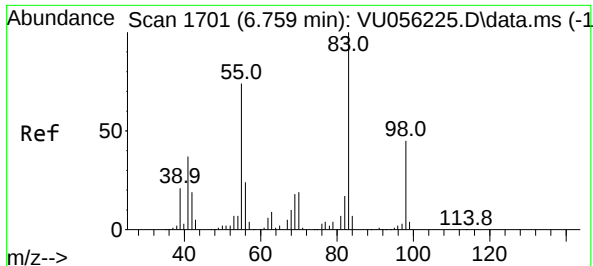
95 100

97 64.1 46.8 87.0

132 92.9 66.5 123.5

130 95.8 70.6 131.0

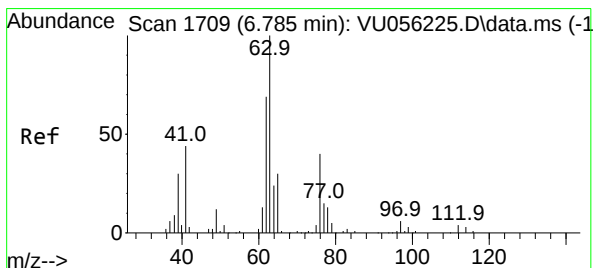
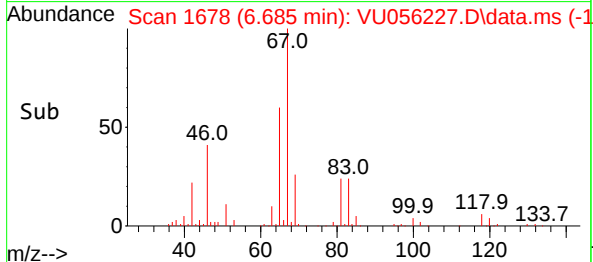
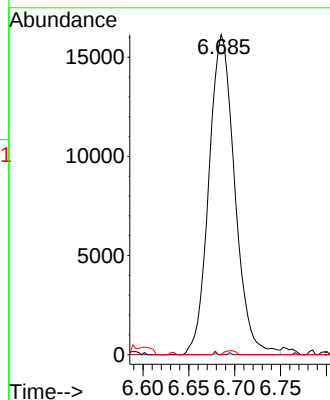
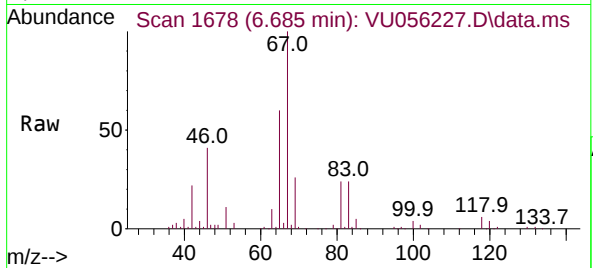




#35
Methylcyclohexane
Concen: 0.678 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056227.D
Acq: 11 Nov 2023 20:06

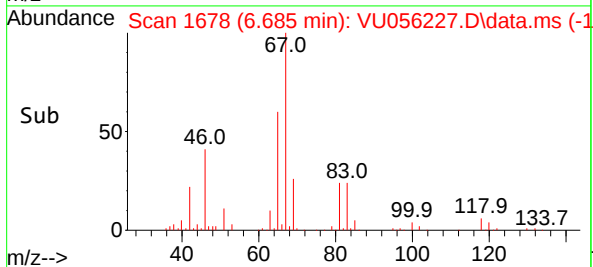
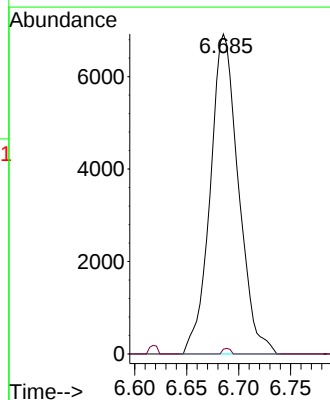
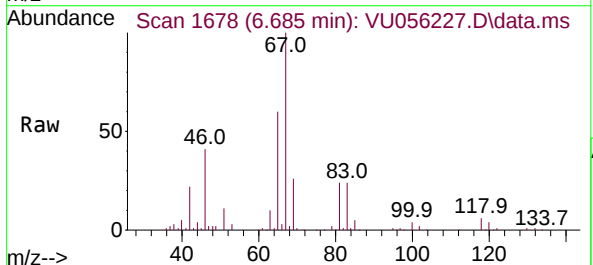
Instrument :
MSVOA_U
ClientSampleId :

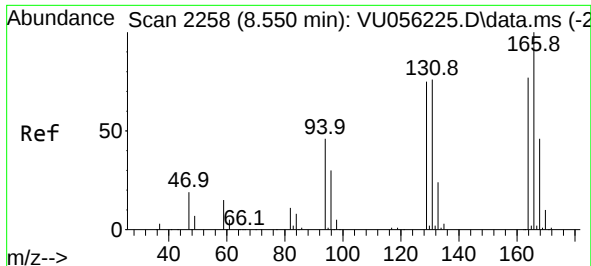
Tgt Ion: 83 Resp: 31688
Ion Ratio Lower Upper
83 100
55 0.1 60.6 91.0#
98 7.8 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.438 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056227.D
Acq: 11 Nov 2023 20:06

Tgt Ion: 63 Resp: 13101
Ion Ratio Lower Upper
63 100
112 0.5 3.4 5.2#





#47

Tetrachloroethene

Concen: 1.347 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

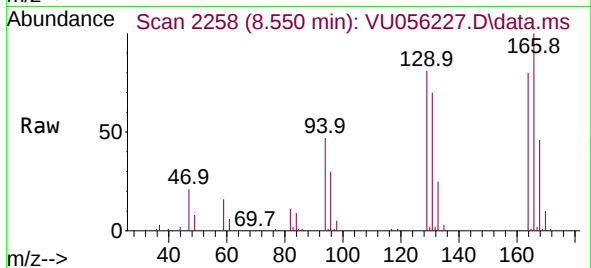
Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 31777

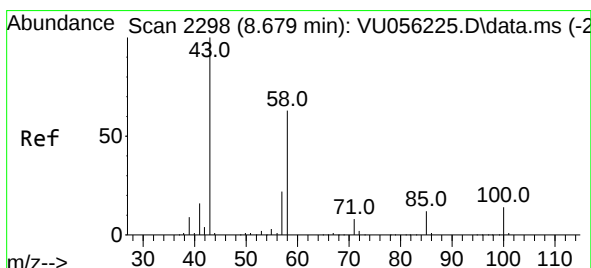
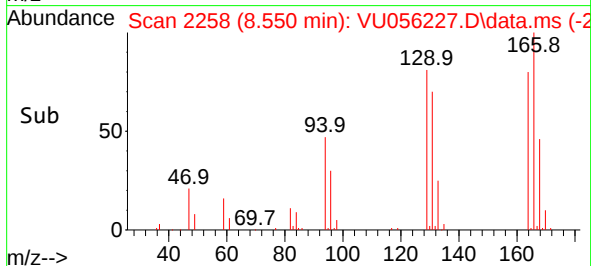
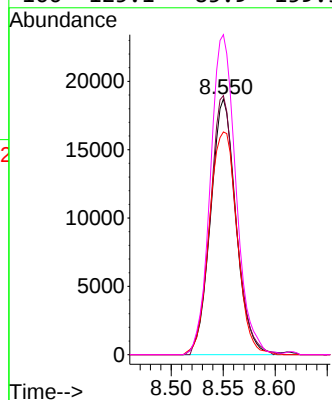
Ion Ratio Lower Upper

164 100

129 101.3 66.6 123.8

131 87.1 67.8 126.0

166 125.1 85.9 159.5



#48

2-Hexanone

Concen: 1.102 ug/L

RT: 8.695 min Scan# 2303

Delta R.T. 0.016 min

Lab File: VU056227.D

Acq: 11 Nov 2023 20:06

Tgt Ion: 43 Resp: 10499

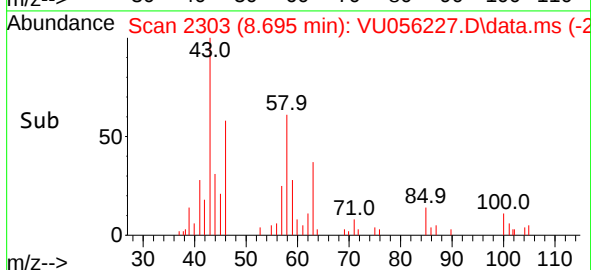
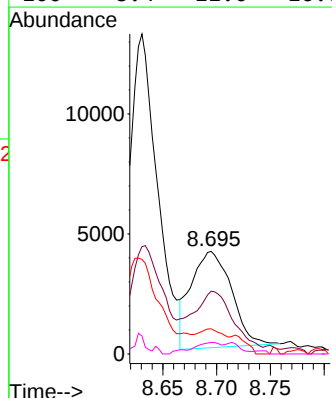
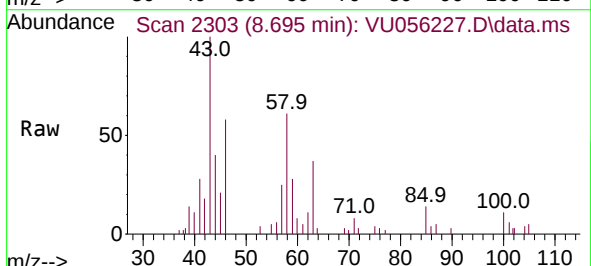
Ion Ratio Lower Upper

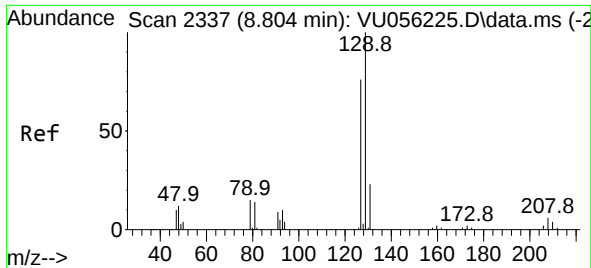
43 100

58 55.5 52.0 78.0

57 5.7 17.4 26.2#

100 8.4 11.0 16.6#

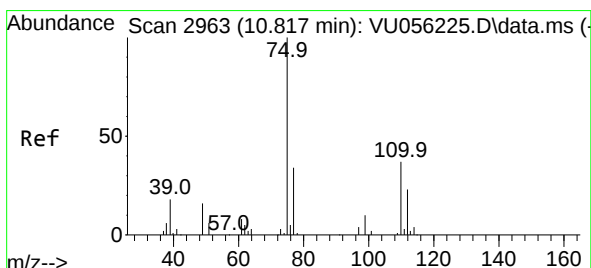
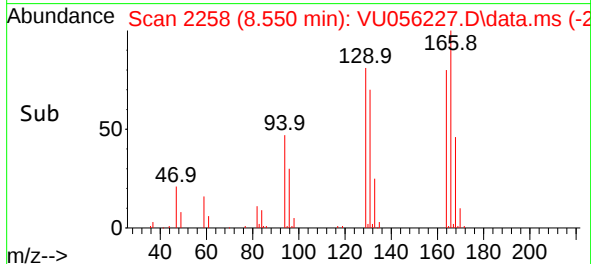
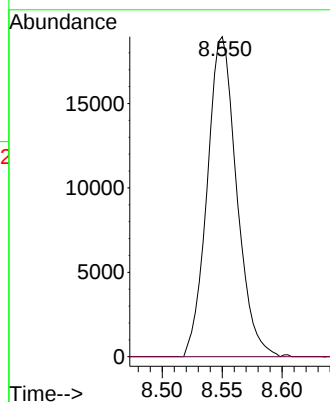
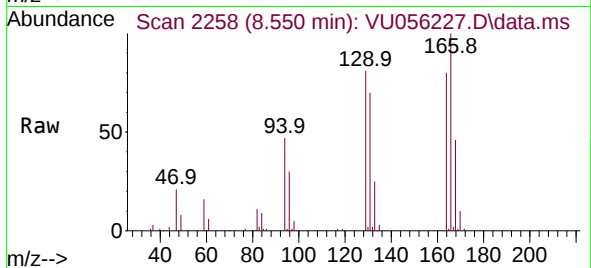




#49
Dibromochloromethane
Concen: 1.381 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU056227.D
Acq: 11 Nov 2023 20:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 32405
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.341 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056227.D
Acq: 11 Nov 2023 20:06

Tgt Ion: 75 Resp: 20770
Ion Ratio Lower Upper
75 100
110 2.7 29.7 44.5#
77 33.6 25.5 38.3

