

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056268.D
 Acq On : 13 Nov 2023 22:07
 Operator : MD/SY
 Sample : 05371-03RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 21:45:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 14 00:08:30 2023
 Response via : Initial Calibration

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

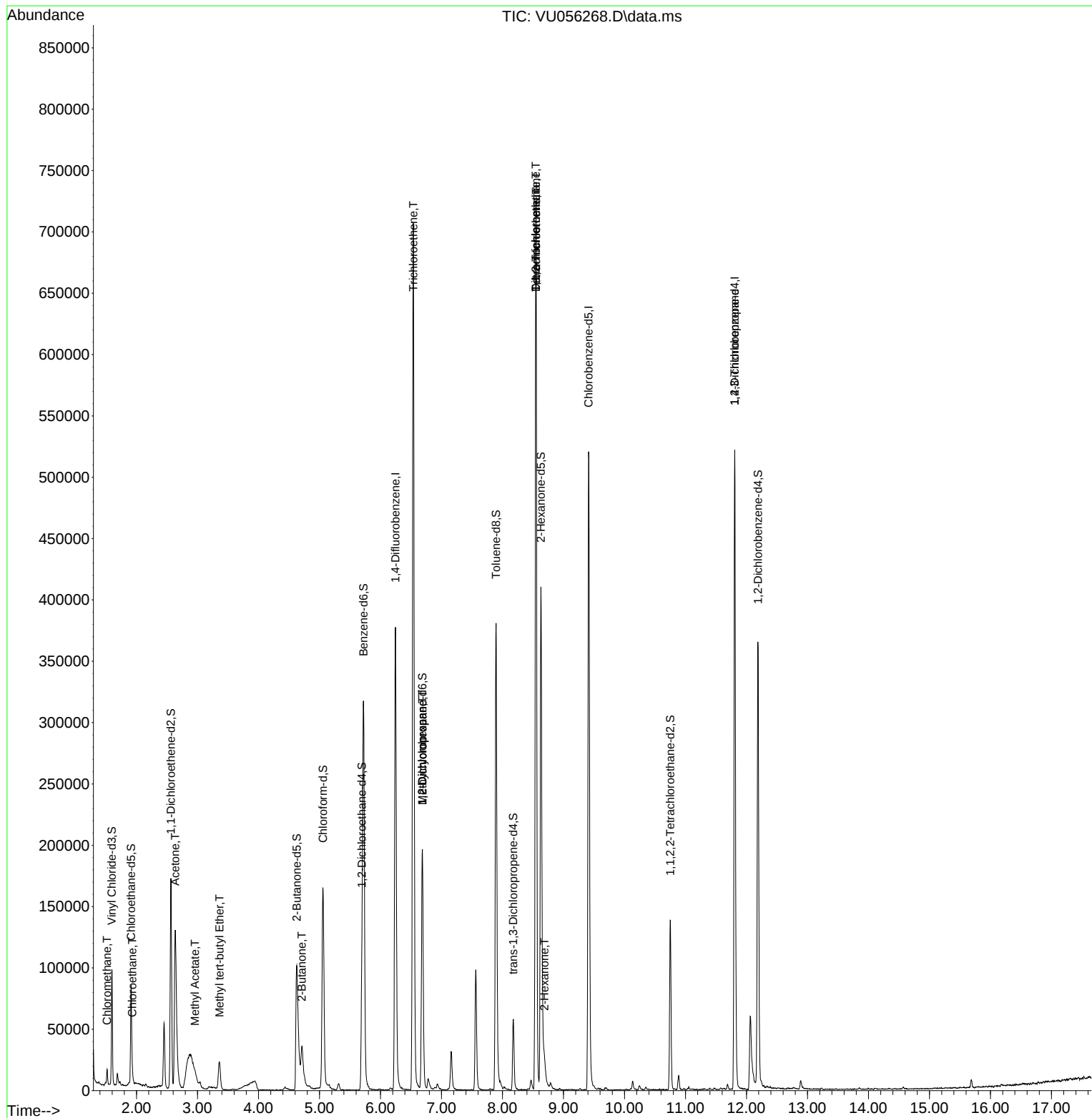
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	310669	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	306242	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	139105	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	67917	2.923	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.400%
7) Chloroethane-d5	1.911	69	58348	3.275	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.400%
11) 1,1-Dichloroethene-d2	2.563	65	33519	3.269	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	4.628	46	180505	38.957	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.920%
24) Chloroform-d	5.055	84	156809	3.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.800%#
26) 1,2-Dichloroethane-d4	5.695	65	75246	3.623	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.400%
32) Benzene-d6	5.721	84	309602	3.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.800%#
36) 1,2-Dichloropropane-d6	6.685	67	100095	3.640	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.800%
41) Toluene-d8	7.894	98	260546	3.234	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.600%#
43) trans-1,3-Dichloroprop...	8.177	79	36234	3.436	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.800%
46) 2-Hexanone-d5	8.631	63	146656	35.385	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	71477	3.638	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	96759	3.765	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	8284	0.329	ug/L	95
8) Chloroethane	1.930	64	3693	0.249	ug/L	88
13) Acetone	2.634	43	206513	52.330	ug/L	99
15) Methyl Acetate	2.959	43	2645	0.377	ug/L #	49
17) Methyl tert-butyl Ether	3.361	73	26153	0.566	ug/L	97
21) 2-Butanone	4.711	43	55026	10.746	ug/L	95
34) Trichloroethene	6.537	95	252897	10.622	ug/L	98
35) Methylcyclohexane	6.685	83	22770	0.662	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	9760	0.428	ug/L #	88
45) 1,1,2-Trichloroethane	8.547	97	1508	0.099	ug/L #	6
47) Tetrachloroethene	8.550	164	154027	9.594	ug/L	98
48) 2-Hexanone	8.688	43	16279	1.850	ug/L	94
49) Dibromochloromethane	8.547	129	162383	9.409	ug/L #	12
61) 1,2,3-Trichloropropane	11.807	75	16707	1.400	ug/L #	66

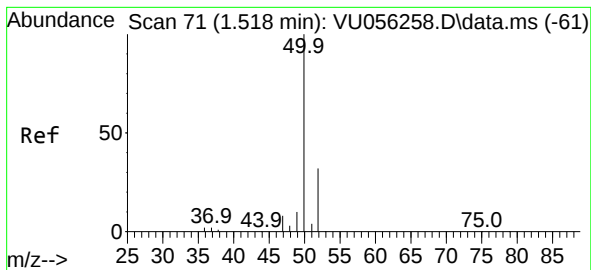
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.329 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Instrument :

MSVOA_U

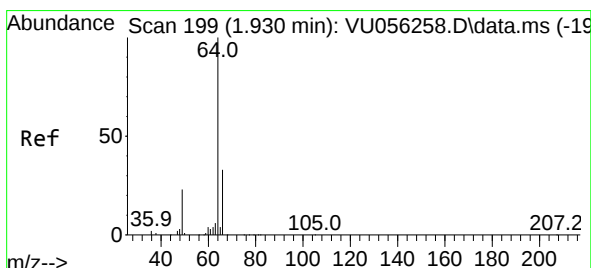
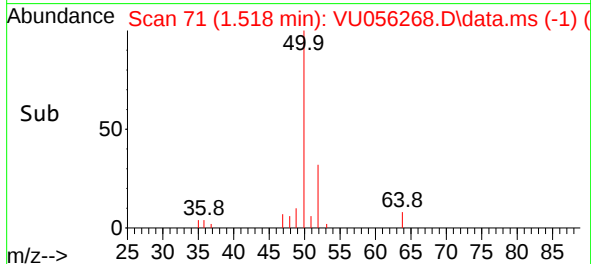
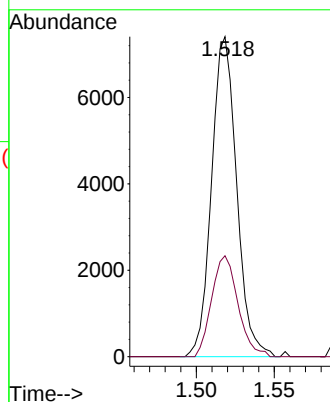
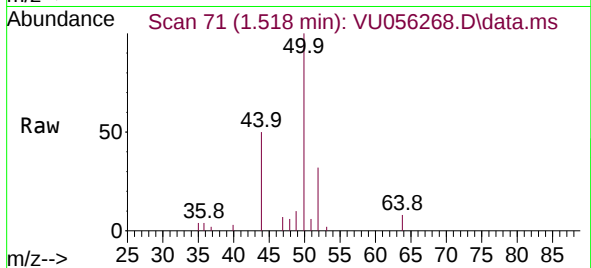
ClientSampleId :

Tgt Ion: 50 Resp: 8284

Ion Ratio Lower Upper

50 100

52 31.6 24.3 45.1



#8

Chloroethane

Concen: 0.249 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU056268.D

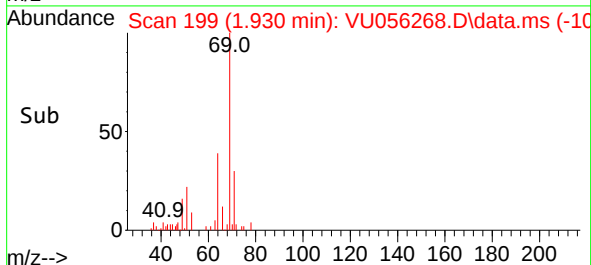
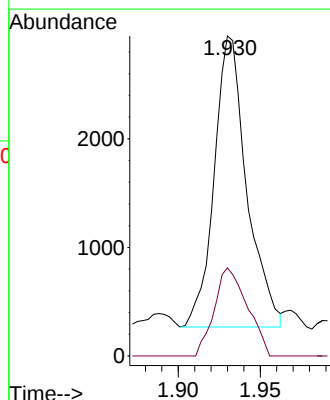
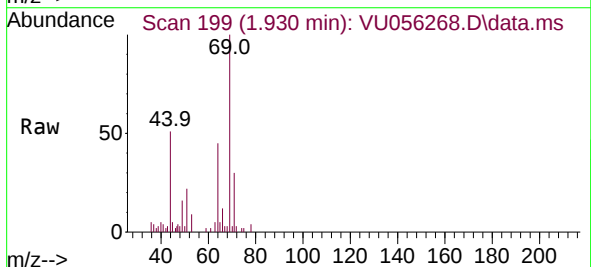
Acq: 13 Nov 2023 22:07

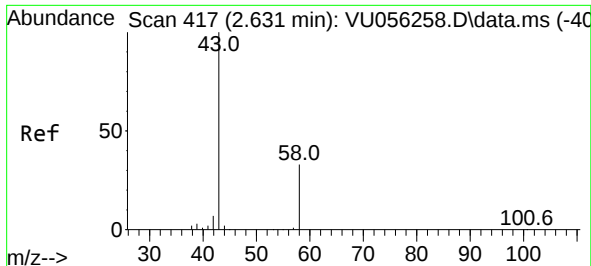
Tgt Ion: 64 Resp: 3693

Ion Ratio Lower Upper

64 100

66 27.6 23.9 44.5





#13

Acetone

Concen: 52.330 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Instrument :

MSVOA_U

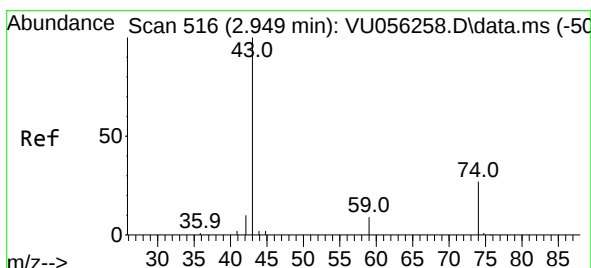
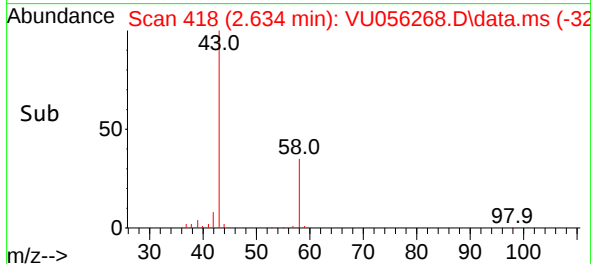
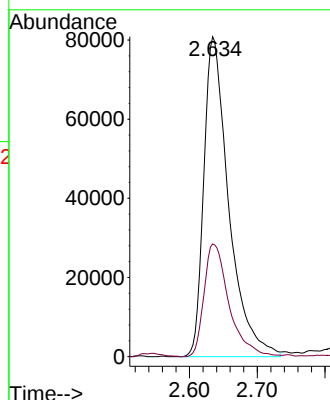
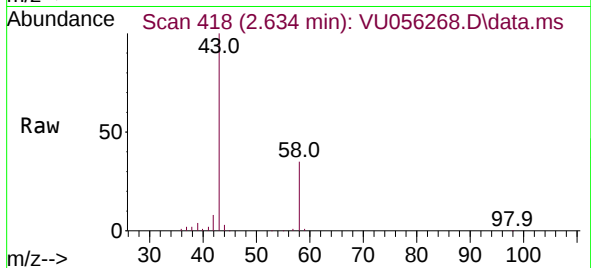
ClientSampleId :

Tgt Ion: 43 Resp: 206513

Ion Ratio Lower Upper

43 100

58 35.4 0.0 70.0



#15

Methyl Acetate

Concen: 0.377 ug/L

RT: 2.959 min Scan# 519

Delta R.T. 0.010 min

Lab File: VU056268.D

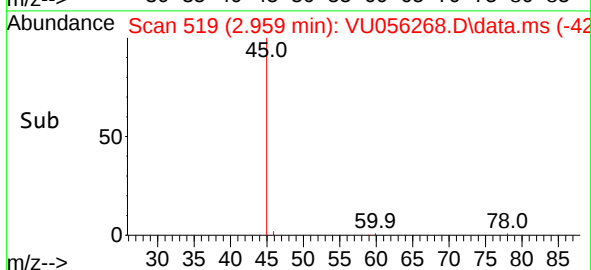
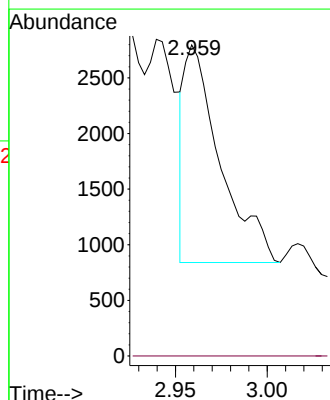
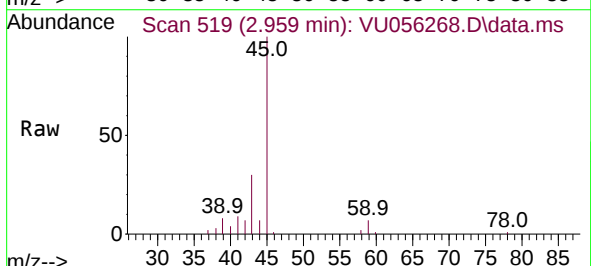
Acq: 13 Nov 2023 22:07

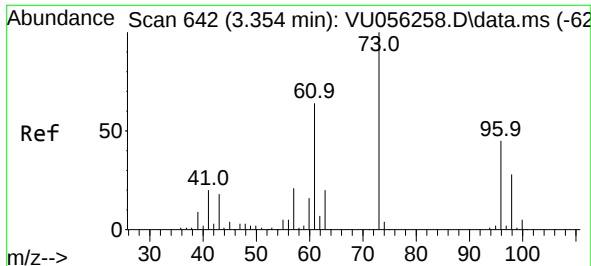
Tgt Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

74 0.0 20.6 31.0#





#17

Methyl tert-butyl Ether

Concen: 0.566 ug/L

RT: 3.361 min Scan# 64

Delta R.T. 0.006 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Instrument :

MSVOA_U

ClientSampleId :

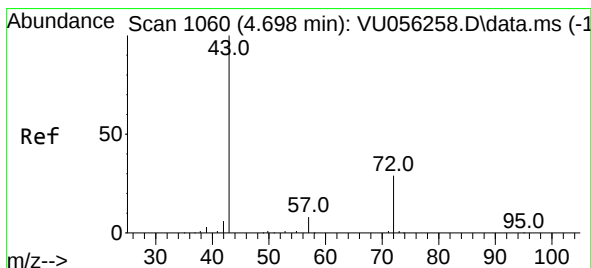
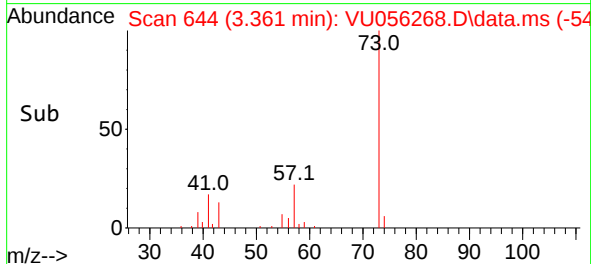
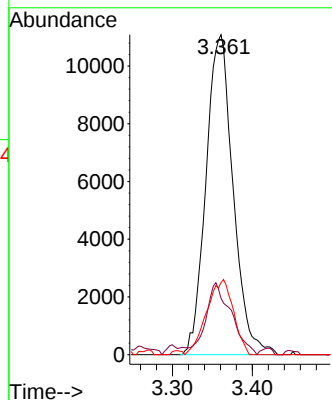
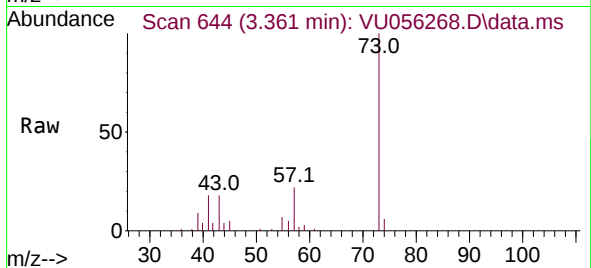
Tgt Ion: 73 Resp: 26153

Ion Ratio Lower Upper

73 100

43 21.1 15.1 22.7

57 23.0 17.8 26.8



#21

2-Butanone

Concen: 10.746 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.013 min

Lab File: VU056268.D

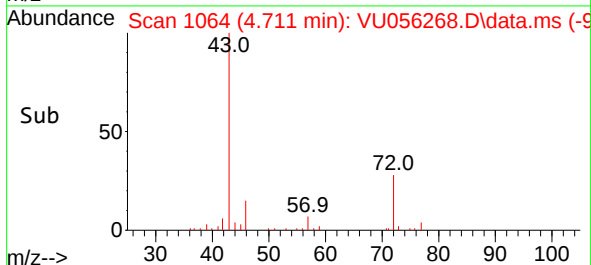
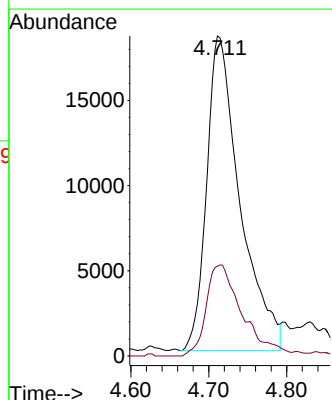
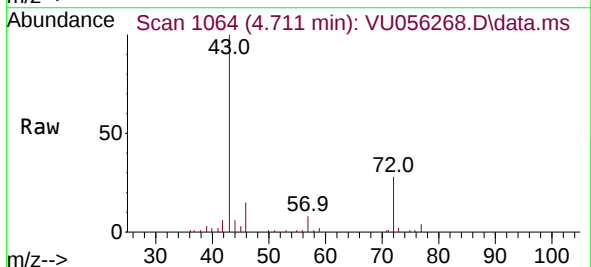
Acq: 13 Nov 2023 22:07

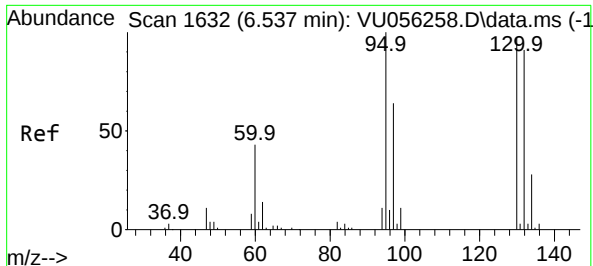
Tgt Ion: 43 Resp: 55026

Ion Ratio Lower Upper

43 100

72 31.0 14.2 42.6





#34

Trichloroethene

Concen: 10.622 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 252897

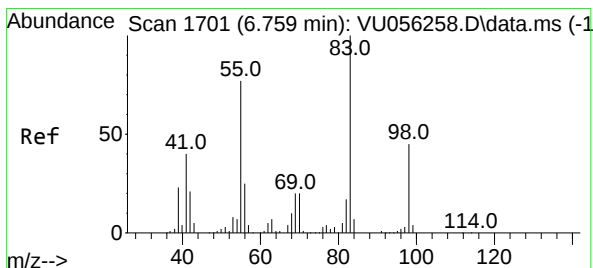
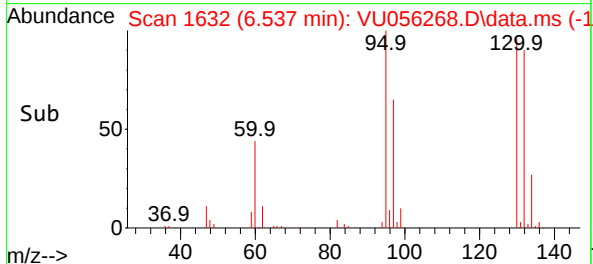
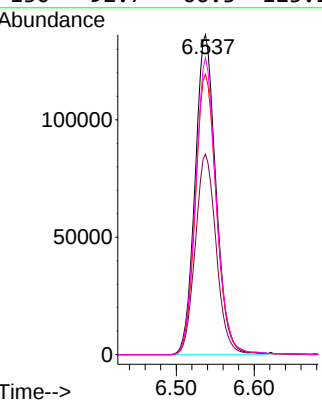
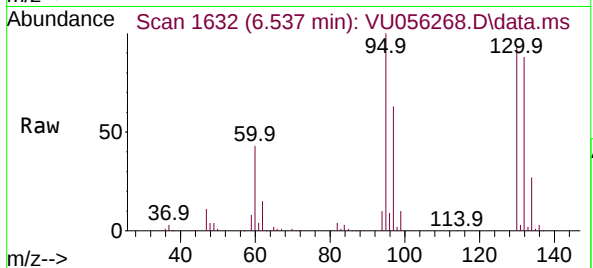
Ion Ratio Lower Upper

95 100

97 62.7 46.5 86.3

132 87.7 62.0 115.2

130 92.7 66.3 123.1



#35

Methylcyclohexane

Concen: 0.662 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.074 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

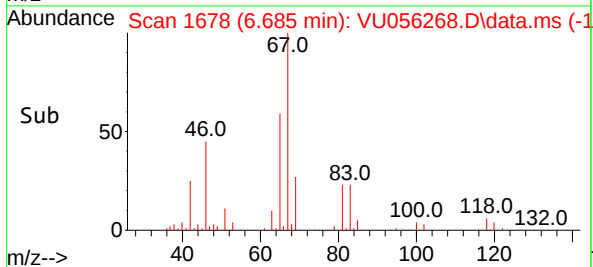
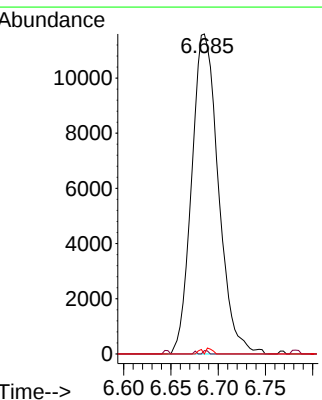
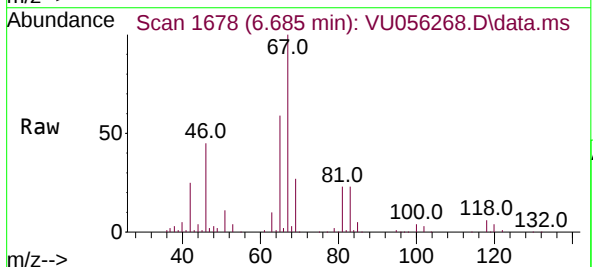
Tgt Ion: 83 Resp: 22770

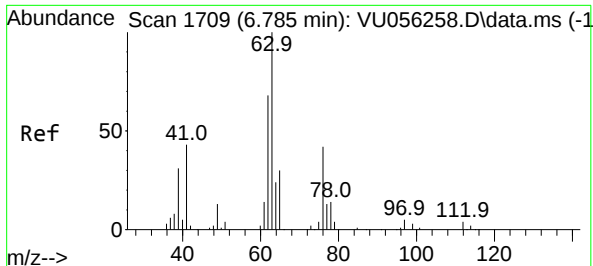
Ion Ratio Lower Upper

83 100

55 0.2 62.9 94.3#

98 0.0 35.3 52.9#

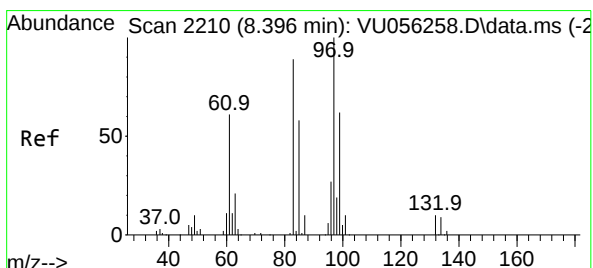
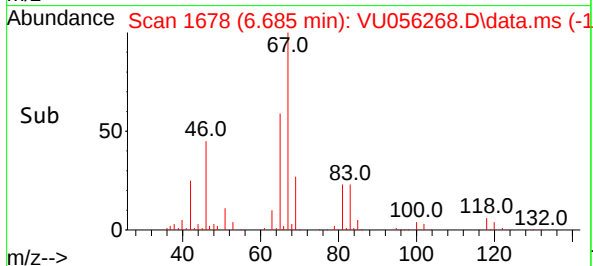
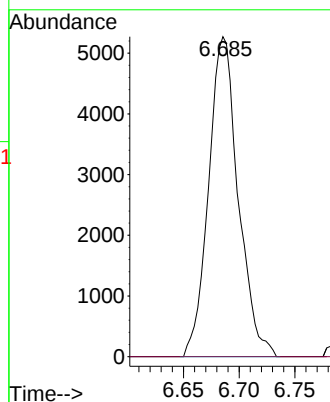
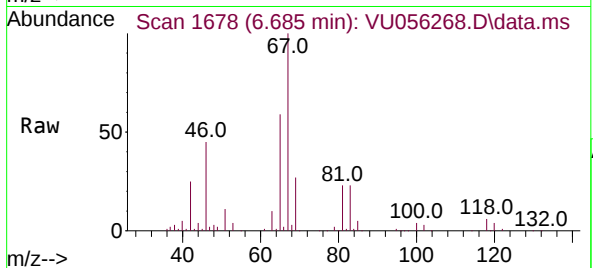




#37
1,2-Dichloropropane
Concen: 0.428 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056268.D
Acq: 13 Nov 2023 22:07

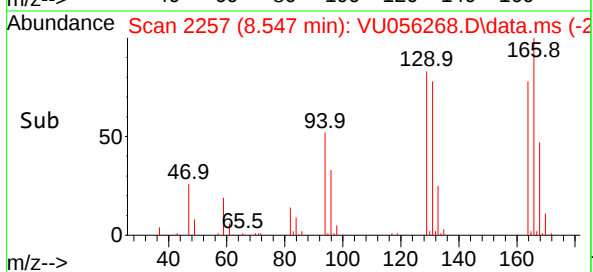
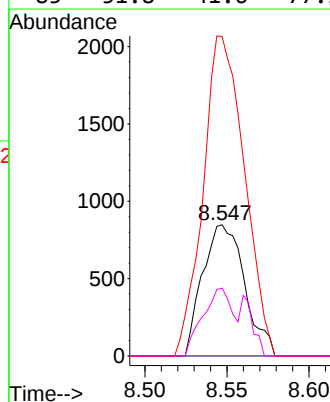
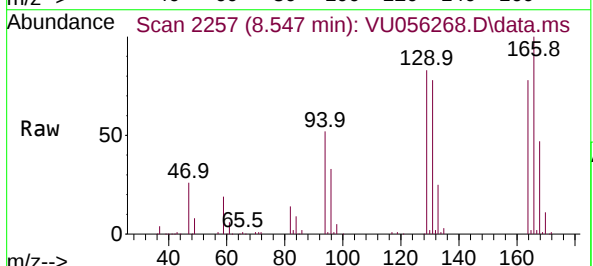
Instrument :
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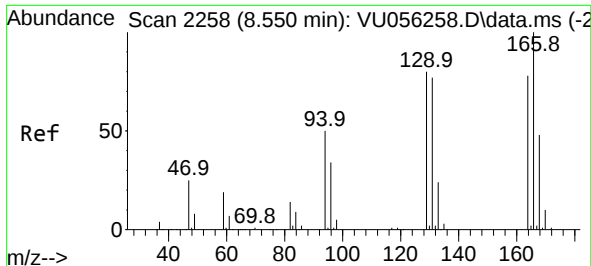
Tgt Ion: 63 Resp: 9760
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#45
1,1,2-Trichloroethane
Concen: 0.099 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.151 min
Lab File: VU056268.D
Acq: 13 Nov 2023 22:07

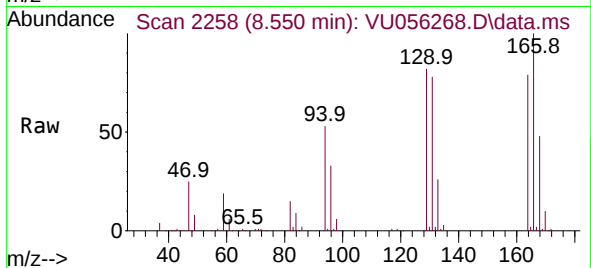
Tgt Ion: 97 Resp: 1508
Ion Ratio Lower Upper
97 100
99 0.0 44.3 82.3#
83 243.6 65.4 121.4#
85 51.8 41.6 77.3



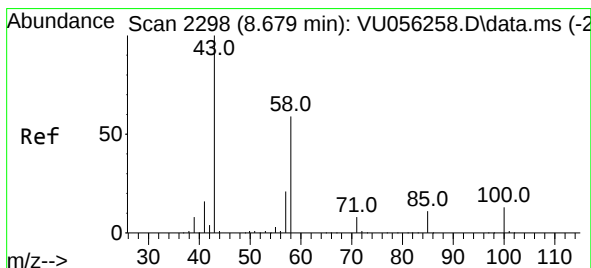
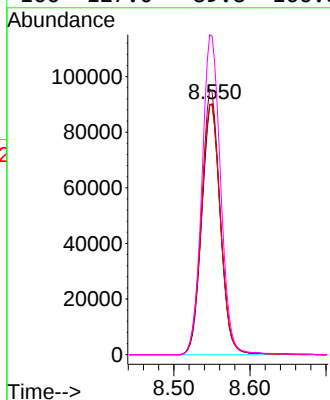
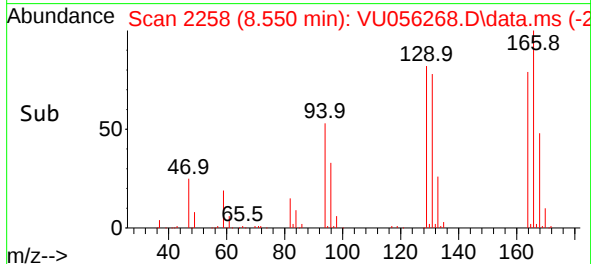


#47
Tetrachloroethene
Concen: 9.594 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056268.D
Acq: 13 Nov 2023 22:07

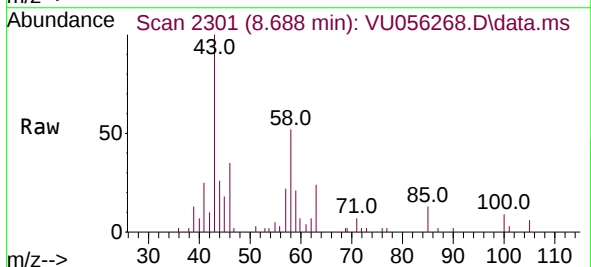
Instrument :
MSVOA_U
ClientSampleId :



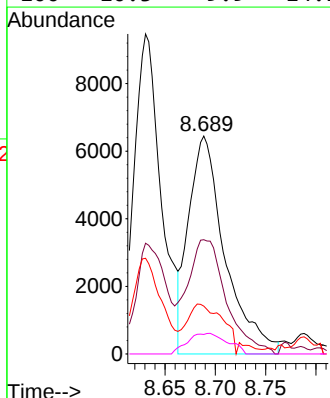
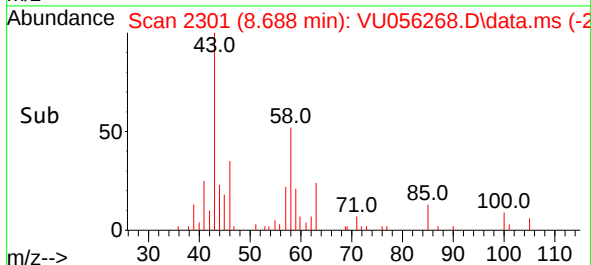
Tgt Ion:164 Resp: 154027
Ion Ratio Lower Upper
164 100
129 104.7 71.0 131.9
131 99.5 70.3 130.7
166 127.0 89.8 166.8

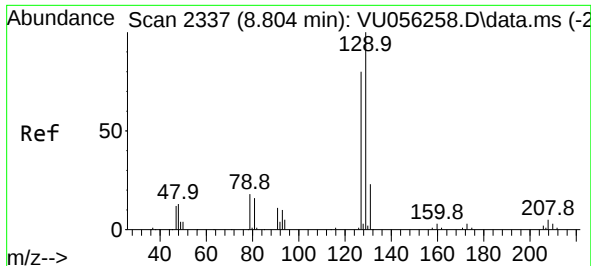


#48
2-Hexanone
Concen: 1.850 ug/L
RT: 8.688 min Scan# 2301
Delta R.T. 0.010 min
Lab File: VU056268.D
Acq: 13 Nov 2023 22:07



Tgt Ion: 43 Resp: 16279
Ion Ratio Lower Upper
43 100
58 56.5 48.7 73.1
57 18.1 16.8 25.2
100 10.3 9.9 14.9





#49

Dibromochloromethane

Concen: 9.409 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min MSVOA_U

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Instrument :

MSVOA_U

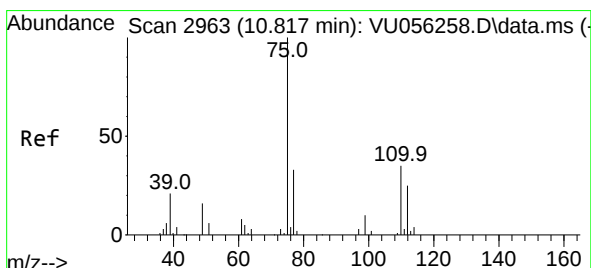
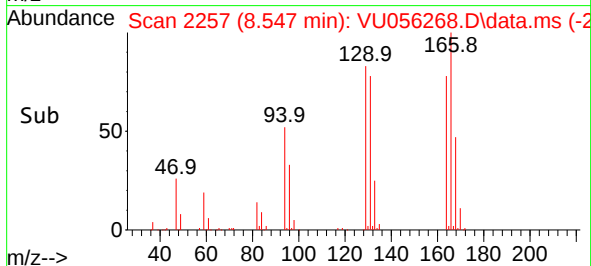
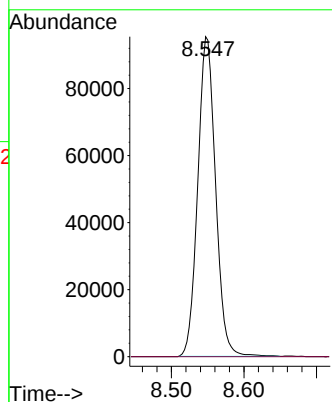
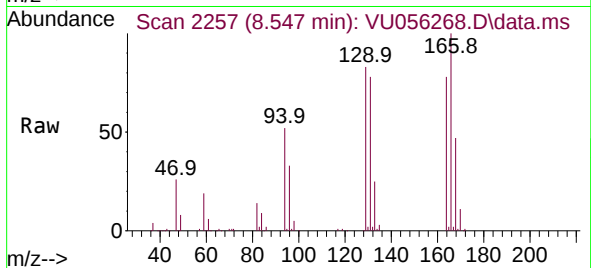
ClientSampleId :

Tgt Ion:129 Resp: 162383

Ion Ratio Lower Upper

129 100

127 0.0 52.9 98.3#



#61

1,2,3-Trichloropropane

Concen: 1.400 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056268.D

Acq: 13 Nov 2023 22:07

Tgt Ion: 75 Resp: 16707

Ion Ratio Lower Upper

75 100

110 2.5 30.4 45.6#

77 37.1 27.0 40.6

