

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056229.D
 Acq On : 11 Nov 2023 20:55
 Operator : MD/SY
 Sample : 05371-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 22:18:53 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)

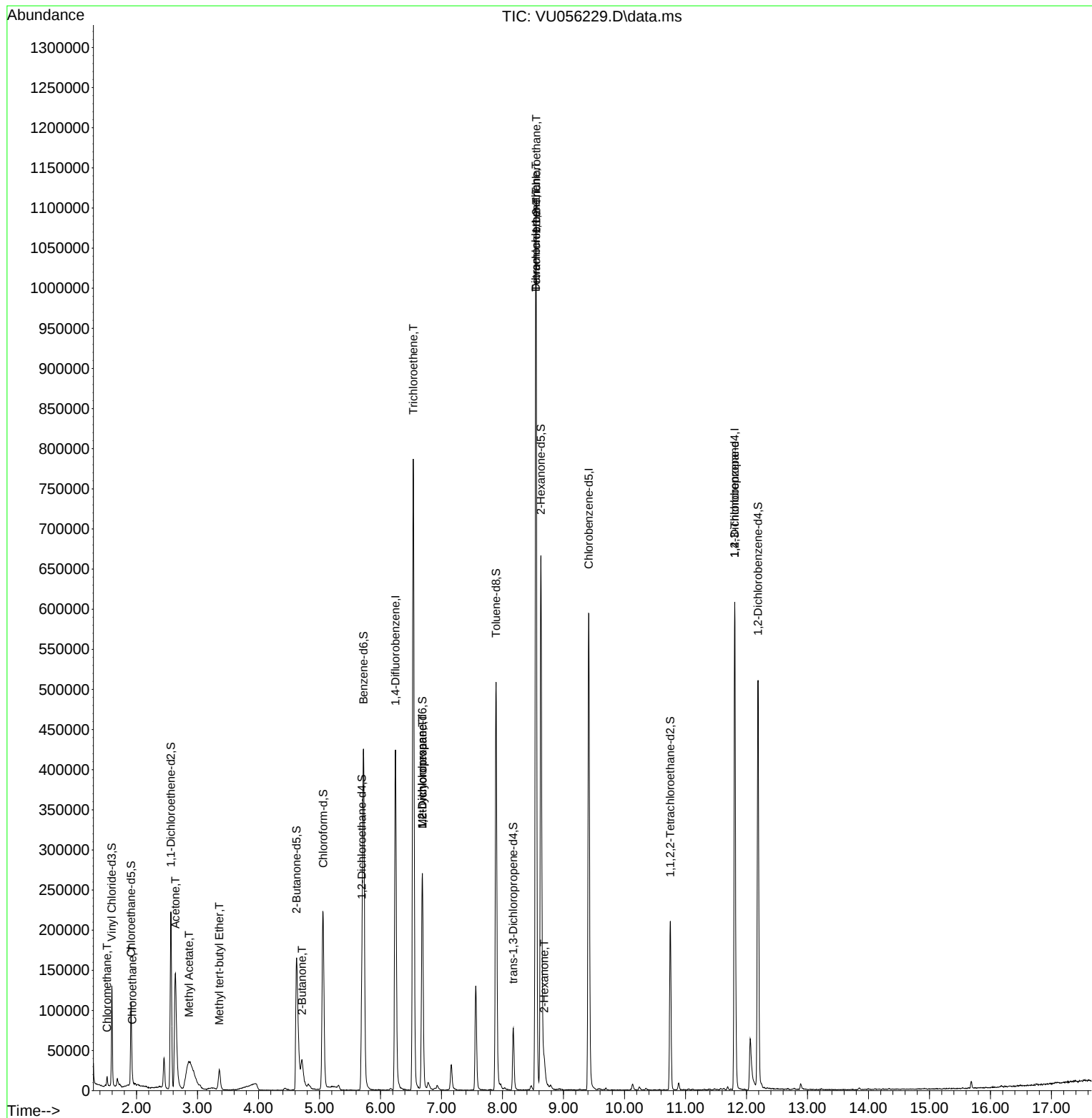
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	365420	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	365659	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	169778	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87211	3.845	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.911	69	75110	4.880	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.563	65	42297	4.233	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.600%
20) 2-Butanone-d5	4.624	46	280459	75.371	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.740%#
24) Chloroform-d	5.058	84	220031	5.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.695	65	104779	5.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.200%
32) Benzene-d6	5.721	84	422857	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.685	67	138664	5.364	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.200%
41) Toluene-d8	7.894	98	355604	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
43) trans-1,3-Dichloroprop...	8.177	79	48944	4.953	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.627	63	242773	74.956	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	149.920%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	110133	5.969	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	141805	5.416	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						Qvalue
3) Chloromethane	1.518	50	6875	0.237	ug/L	98
8) Chloroethane	1.930	64	4375	0.269	ug/L	100
13) Acetone	2.637	43	231106	84.215	ug/L	98
15) Methyl Acetate	2.859	43	15656	2.022	ug/L #	46
17) Methyl tert-butyl Ether	3.358	73	28750	0.543	ug/L	97
21) 2-Butanone	4.714	43	56460	12.475	ug/L	97
34) Trichloroethene	6.537	95	282310	9.871	ug/L	97
35) Methylcyclohexane	6.685	83	31559	0.742	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	13515	0.496	ug/L #	87
45) 1,1,2-Trichloroethane	8.553	97	2317	0.124	ug/L #	5
47) Tetrachloroethene	8.550	164	253536	11.812	ug/L	97
48) 2-Hexanone	8.685	43	16240	1.873	ug/L #	92
49) Dibromochloromethane	8.547	129	248423	11.632	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	18982	1.295	ug/L #	68

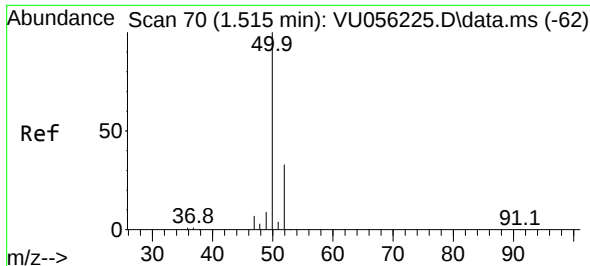
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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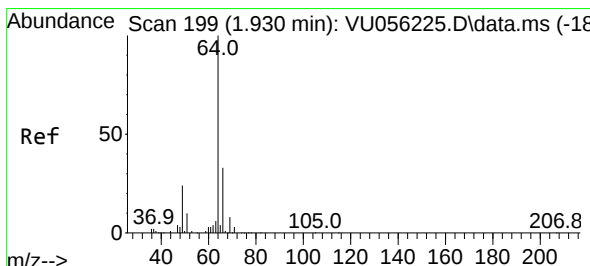
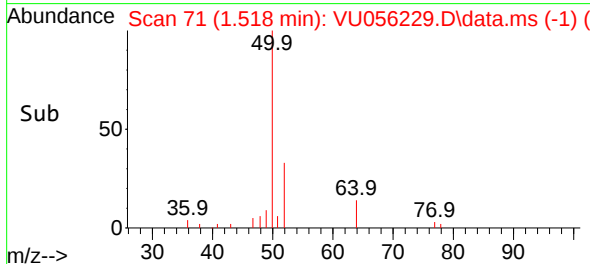
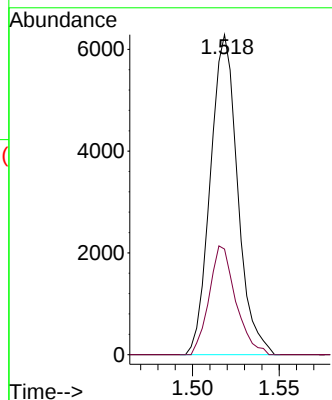
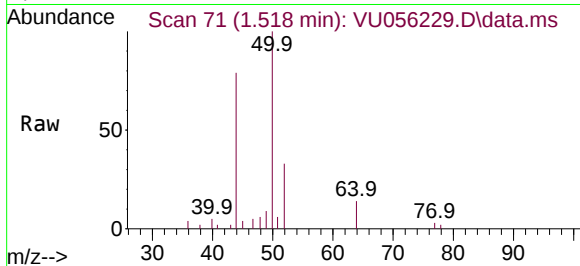




#3
Chloromethane
Concen: 0.237 ug/L
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

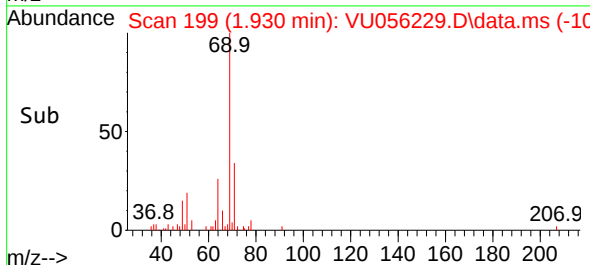
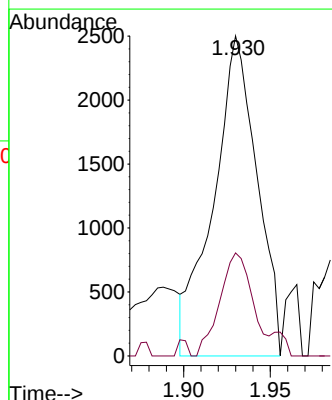
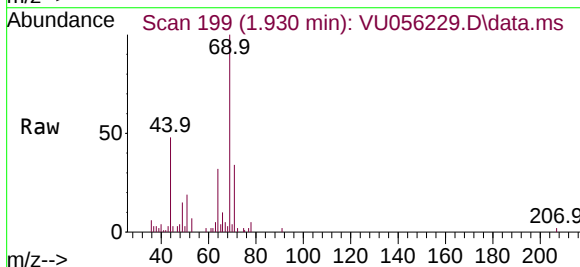
Instrument :
MSVOA_U
ClientSampleId :

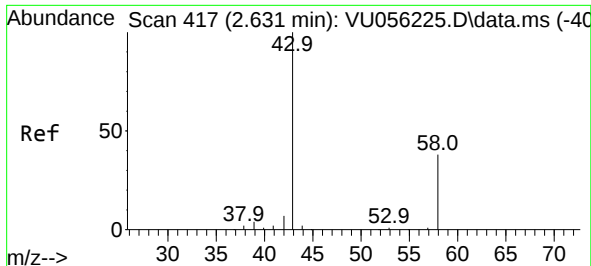
Tgt Ion: 50 Resp: 6875
Ion Ratio Lower Upper
50 100
52 33.0 22.2 41.2



#8
Chloroethane
Concen: 0.269 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

Tgt Ion: 64 Resp: 4375
Ion Ratio Lower Upper
64 100
66 32.2 22.4 41.6





#13

Acetone

Concen: 84.215 ug/L

RT: 2.637 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Instrument :

MSVOA_U

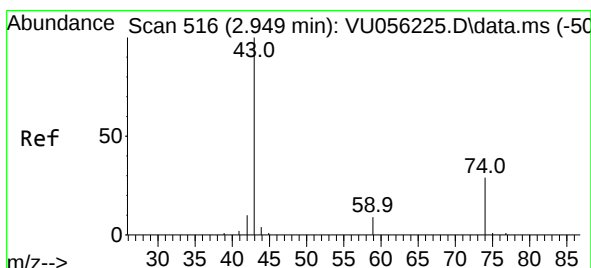
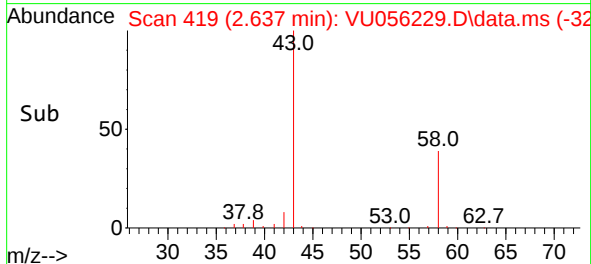
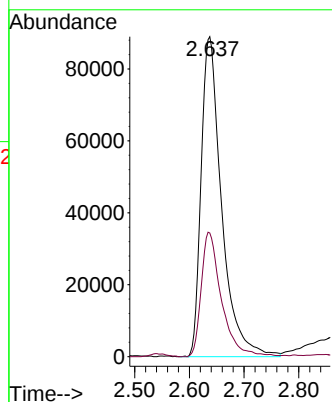
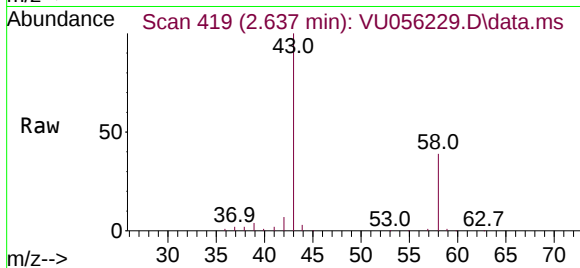
ClientSampleId :

Tgt Ion: 43 Resp: 231106

Ion Ratio Lower Upper

43 100

58 38.4 0.0 74.4



#15

Methyl Acetate

Concen: 2.022 ug/L

RT: 2.859 min Scan# 488

Delta R.T. -0.090 min

Lab File: VU056229.D

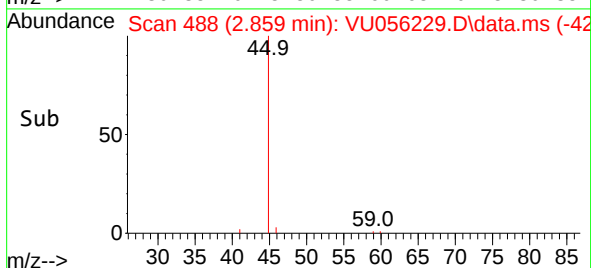
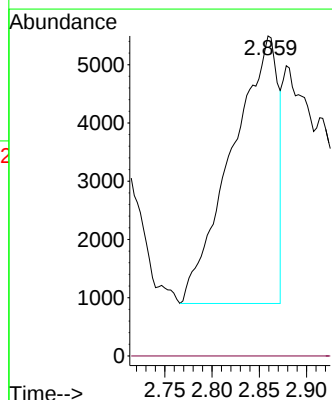
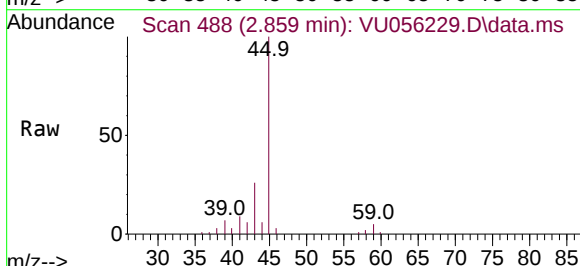
Acq: 11 Nov 2023 20:55

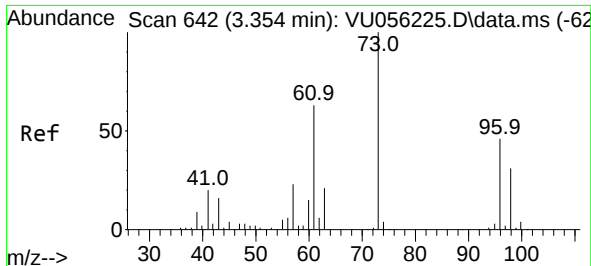
Tgt Ion: 43 Resp: 15656

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#17

Methyl tert-butyl Ether

Concen: 0.543 ug/L

RT: 3.358 min Scan# 64

Delta R.T. 0.003 min

Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Instrument :

MSVOA_U

ClientSampleId :

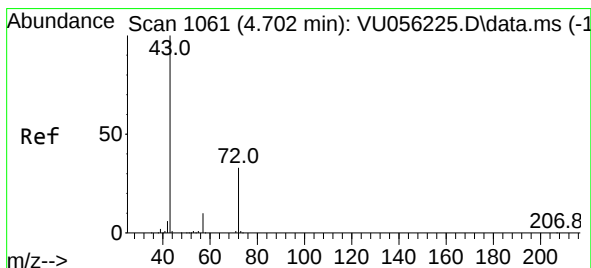
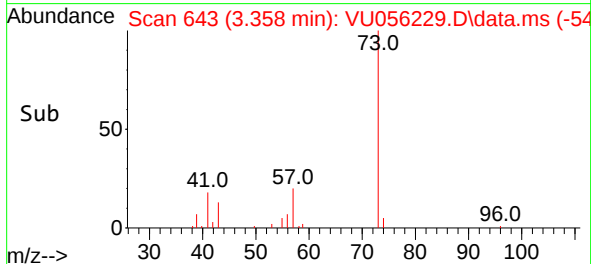
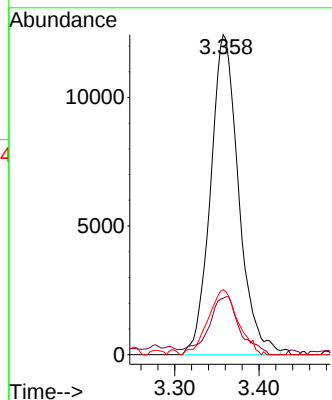
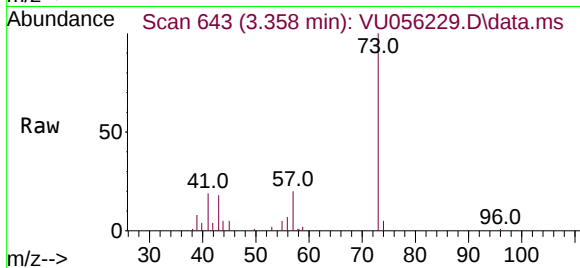
Tgt Ion: 73 Resp: 28750

Ion Ratio Lower Upper

73 100

43 20.0 13.6 20.4

57 21.6 17.3 25.9



#21

2-Butanone

Concen: 12.475 ug/L

RT: 4.714 min Scan# 1065

Delta R.T. 0.013 min

Lab File: VU056229.D

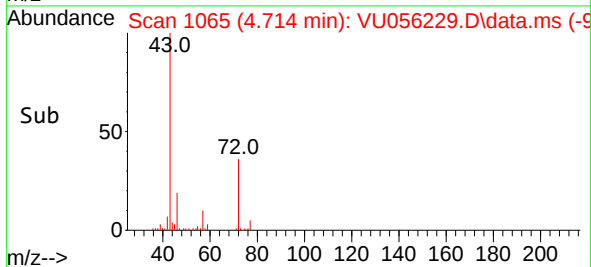
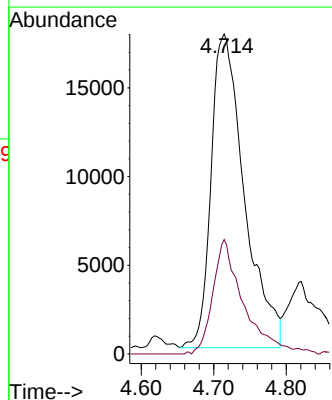
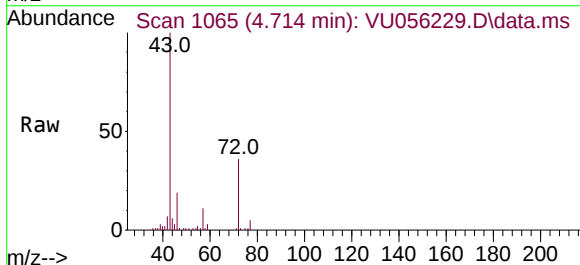
Acq: 11 Nov 2023 20:55

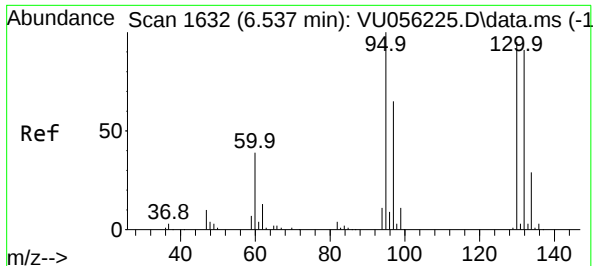
Tgt Ion: 43 Resp: 56460

Ion Ratio Lower Upper

43 100

72 33.2 15.7 47.0

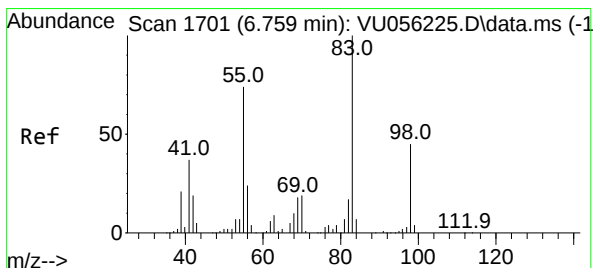
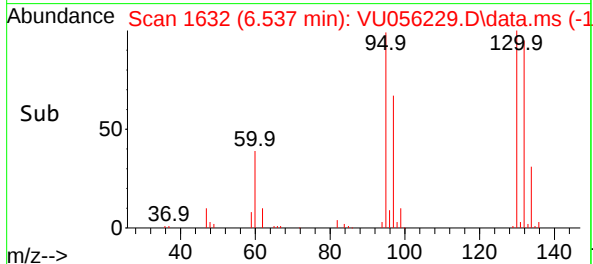
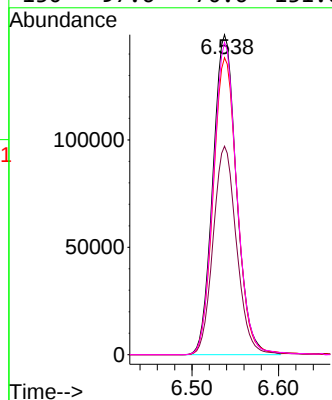
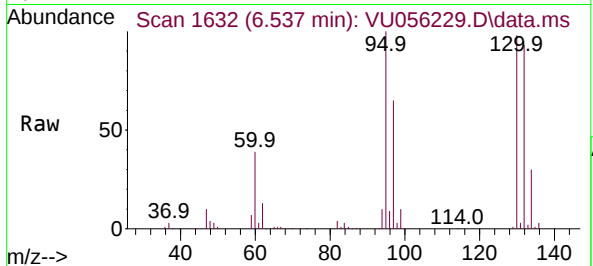




#34
Trichloroethene
Concen: 9.871 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

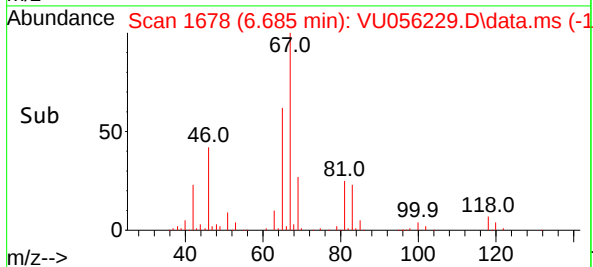
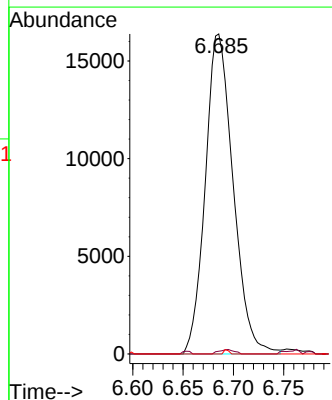
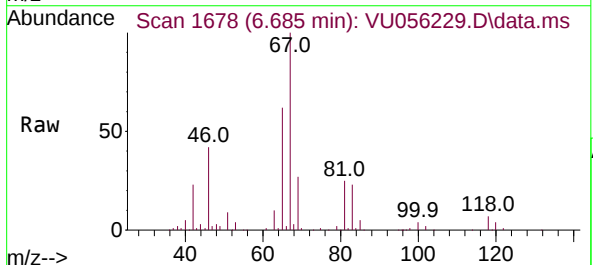
Instrument :
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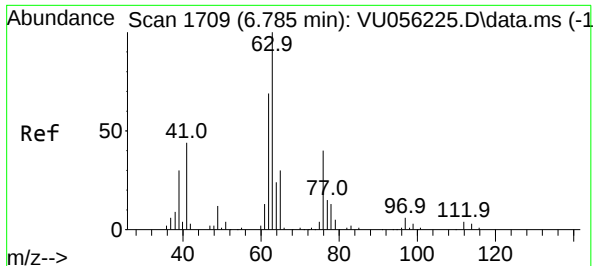
Tgt Ion: 95 Resp: 282310
Ion Ratio Lower Upper
95 100
97 65.1 46.8 87.0
132 92.8 66.5 123.5
130 97.6 70.6 131.0



#35
Methylcyclohexane
Concen: 0.742 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

Tgt Ion: 83 Resp: 31559
Ion Ratio Lower Upper
83 100
55 0.8 60.6 91.0#
98 0.0 36.2 54.4#

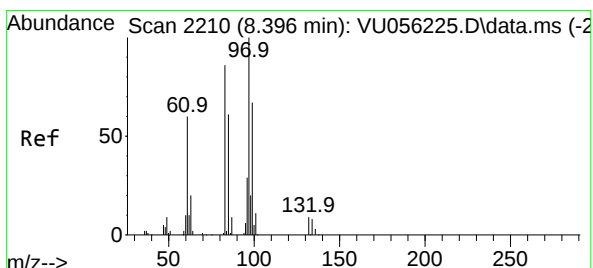
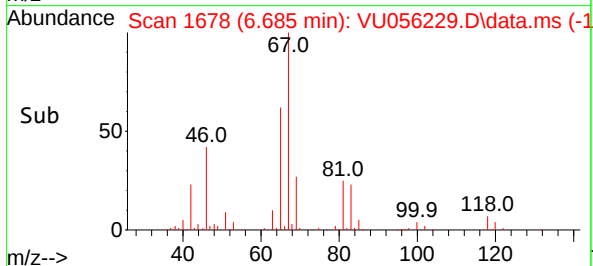
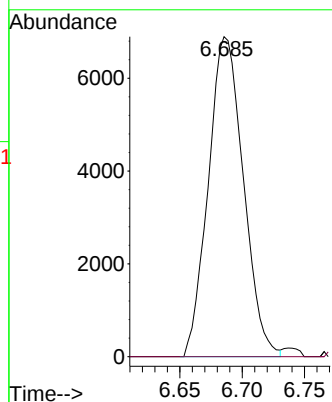
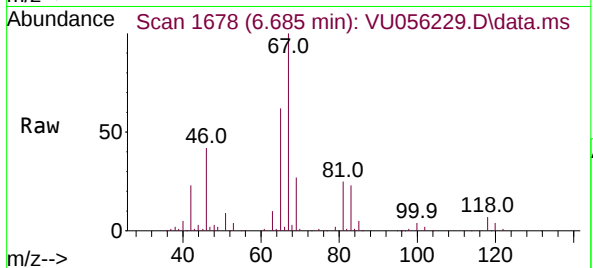




#37
1,2-Dichloropropane
Concen: 0.496 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

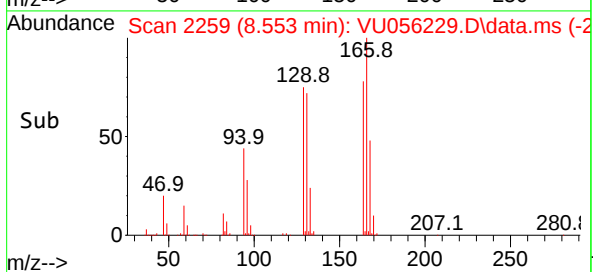
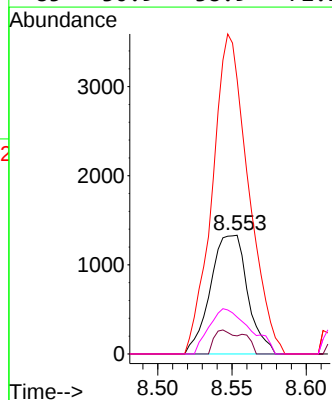
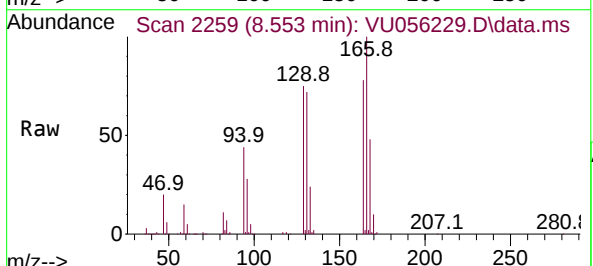
Instrument :
MSVOA_U
ClientSampleId :

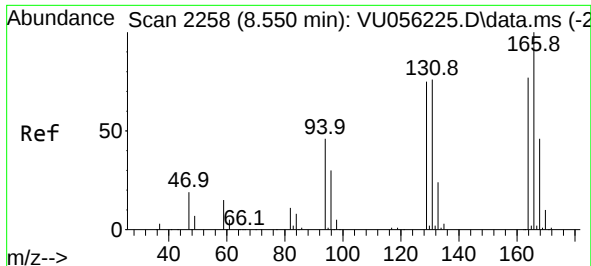
Tgt Ion: 63 Resp: 13515
Ion Ratio Lower Upper
63 100
112 0.1 3.4 5.2#



#45
1,1,2-Trichloroethane
Concen: 0.124 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.158 min
Lab File: VU056229.D
Acq: 11 Nov 2023 20:55

Tgt Ion: 97 Resp: 2317
Ion Ratio Lower Upper
97 100
99 15.2 44.7 82.9#
83 231.0 59.4 110.2#
85 30.9 38.9 72.2#





#47

Tetrachloroethene

Concen: 11.812 ug/L

RT: 8.550 min Scan# 21

Delta R.T. 0.000 min

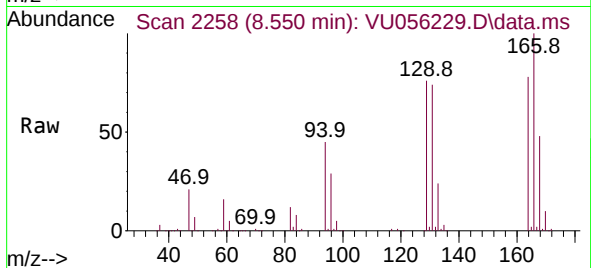
Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 253536

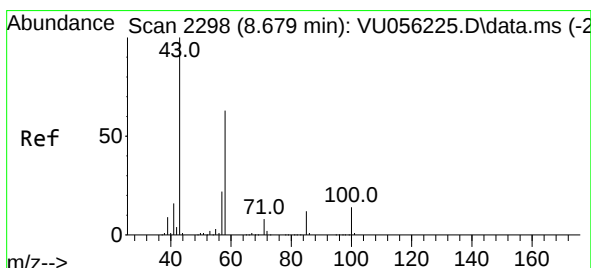
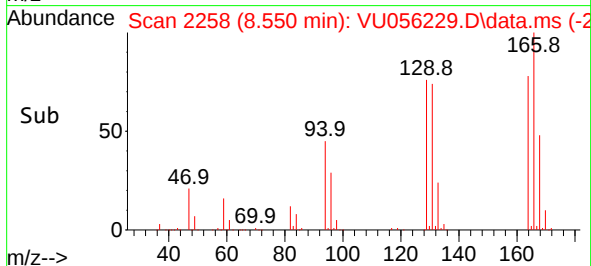
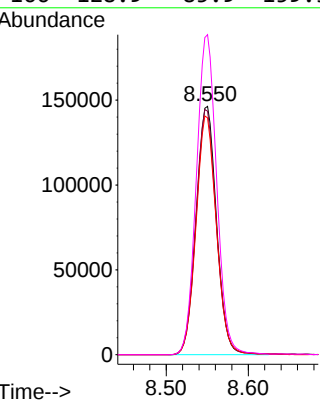
Ion Ratio Lower Upper

164 100

129 98.0 66.6 123.8

131 95.4 67.8 126.0

166 128.9 85.9 159.5



#48

2-Hexanone

Concen: 1.873 ug/L

RT: 8.685 min Scan# 2300

Delta R.T. 0.006 min

Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Tgt Ion: 43 Resp: 16240

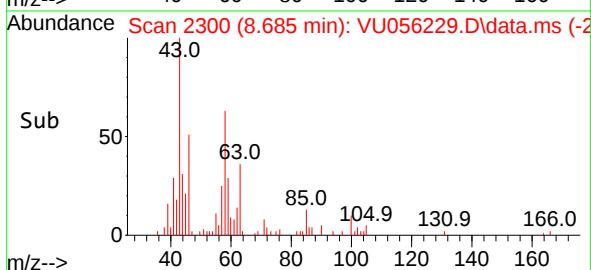
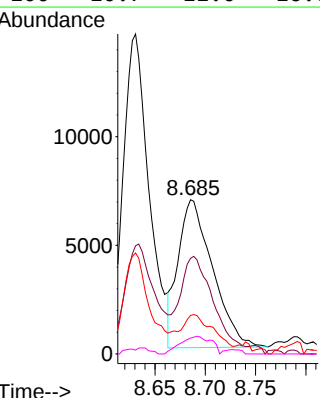
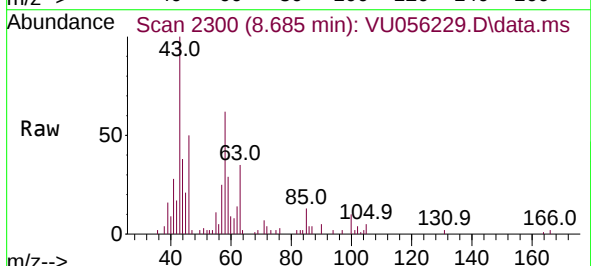
Ion Ratio Lower Upper

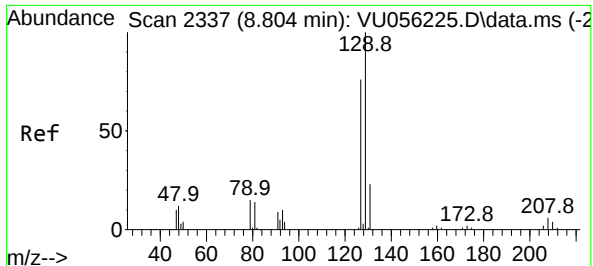
43 100

58 56.9 52.0 78.0

57 20.9 17.4 26.2

100 10.7 11.0 16.6#





#49

Dibromochloromethane

Concen: 11.632 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Instrument :

MSVOA_U

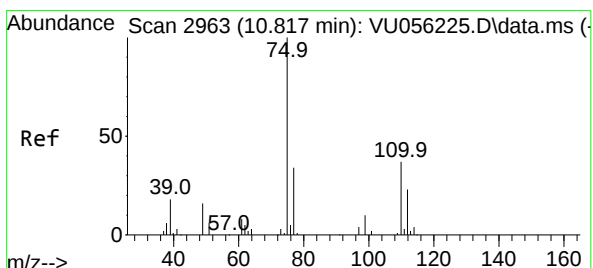
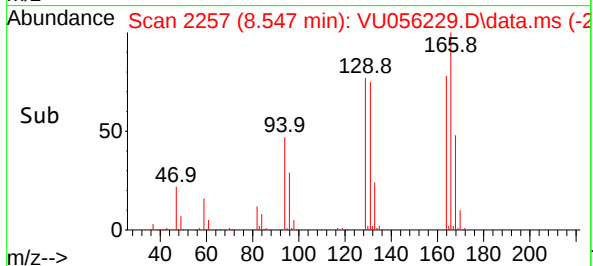
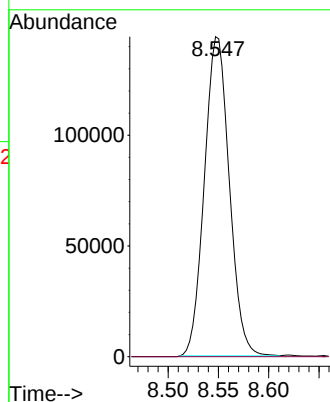
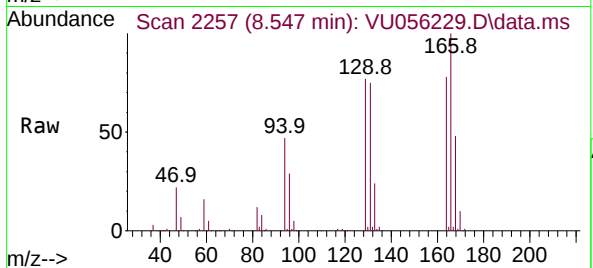
ClientSampleId :

Tgt Ion:129 Resp: 248423

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.295 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU056229.D

Acq: 11 Nov 2023 20:55

Tgt Ion: 75 Resp: 18982

Ion Ratio Lower Upper

75 100

110 3.4 29.7 44.5#

77 33.8 25.5 38.3

