

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111123\
 Data File : VU056231.D
 Acq On : 11 Nov 2023 21:43
 Operator : MD/SY
 Sample : 05371-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCDN2

Quant Time: Nov 11 22:19:25 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)

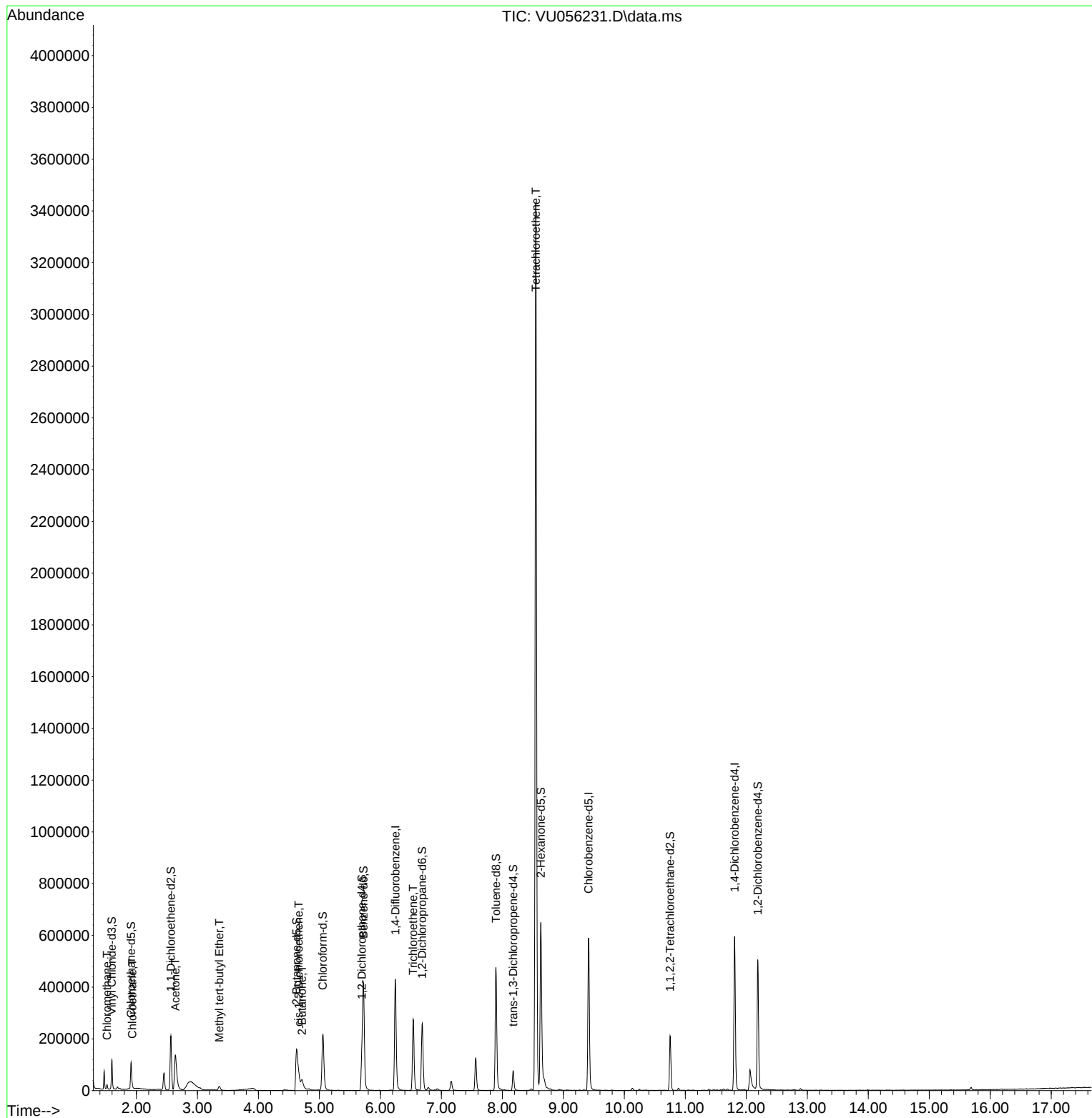
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	363016	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	357560	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	167477	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	82975	3.682	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.911	69	74261	4.856	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.564	65	39532	3.982	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	4.625	46	281181	76.066	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	152.140%#
24) Chloroform-d	5.056	84	211460	4.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.695	65	103559	5.483	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
32) Benzene-d6	5.721	84	407989	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	6.686	67	132767	5.252	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.000%
41) Toluene-d8	7.895	98	337962	4.295	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.178	79	46098	4.771	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.631	63	241143	76.140	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	152.280%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	107154	5.939	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	136383	5.281	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.516	50	11061	0.384	ug/L	94
8) Chloroethane	1.930	64	4763	0.294	ug/L	98
13) Acetone	2.638	43	228972	83.990	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	16671	0.317	ug/L #	92
21) 2-Butanone	4.715	43	60607	13.480	ug/L	91
22) cis-1,2-Dichloroethene	4.660	96	10274	0.385	ug/L	95
34) Trichloroethene	6.538	95	97306	3.479	ug/L	96
47) Tetrachloroethene	8.547	164	774178	36.885	ug/L	97

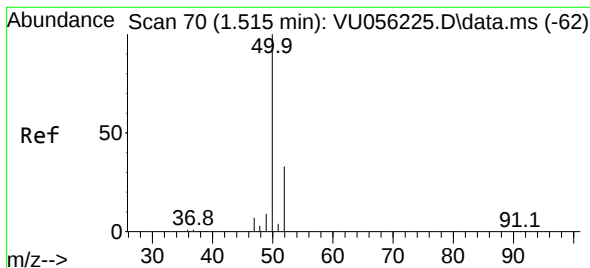
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.384 ug/L

RT: 1.516 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU056231.D

Acq: 11 Nov 2023 21:43

Instrument :

MSVOA_U

ClientSampleId :

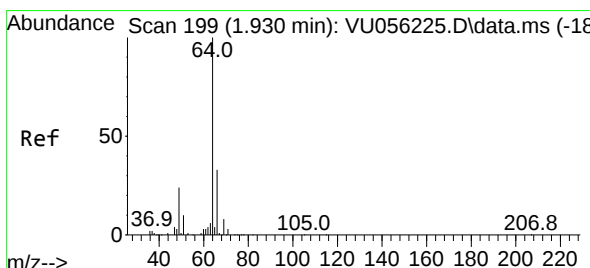
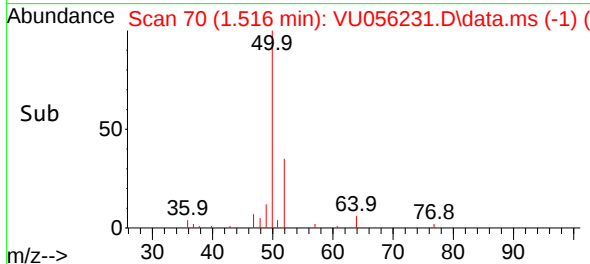
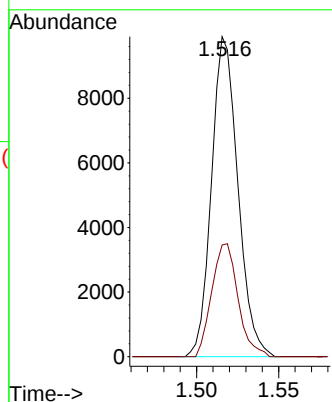
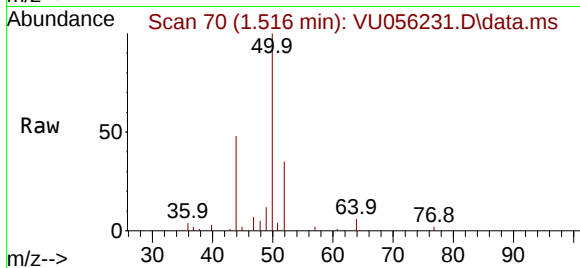
GCDN2

Tgt Ion: 50 Resp: 11061

Ion Ratio Lower Upper

50 100

52 34.9 22.2 41.2



#8

Chloroethane

Concen: 0.294 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU056231.D

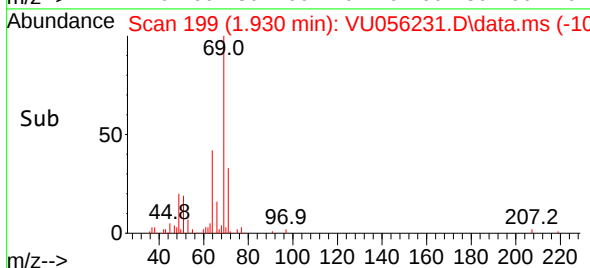
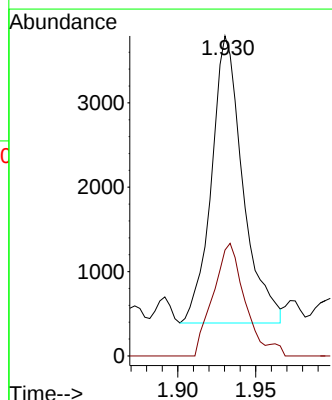
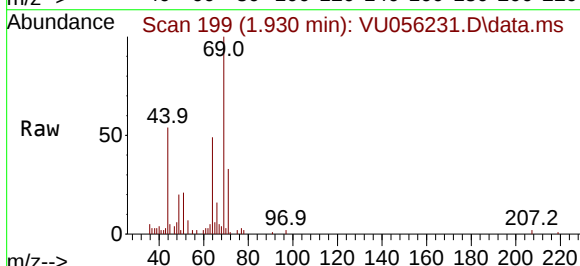
Acq: 11 Nov 2023 21:43

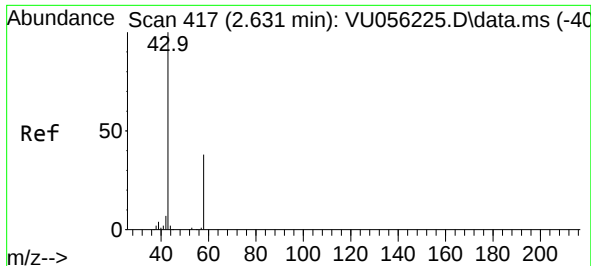
Tgt Ion: 64 Resp: 4763

Ion Ratio Lower Upper

64 100

66 33.1 22.4 41.6





#13

Acetone

Concen: 83.990 ug/L

RT: 2.638 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU056231.D

Acq: 11 Nov 2023 21:43

Instrument :

MSVOA_U

ClientSampleId :

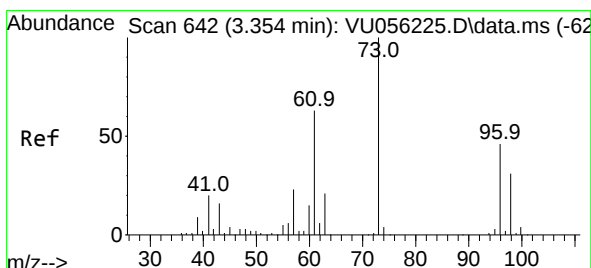
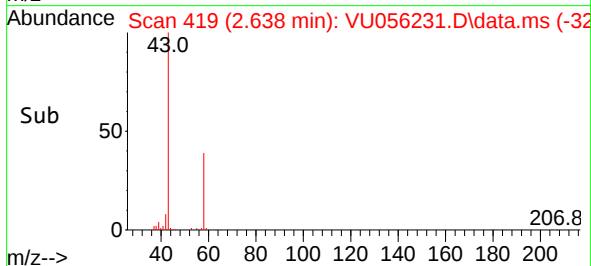
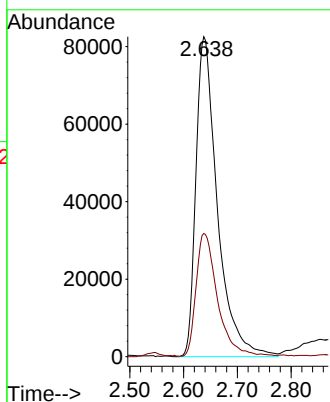
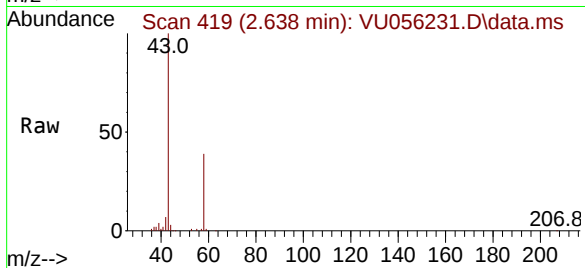
GCDN2

Tgt Ion: 43 Resp: 228972

Ion Ratio Lower Upper

43 100

58 37.9 0.0 74.4



#17

Methyl tert-butyl Ether

Concen: 0.317 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.004 min

Lab File: VU056231.D

Acq: 11 Nov 2023 21:43

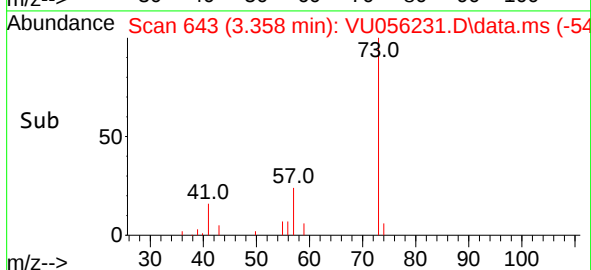
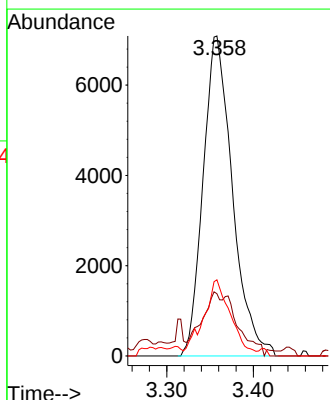
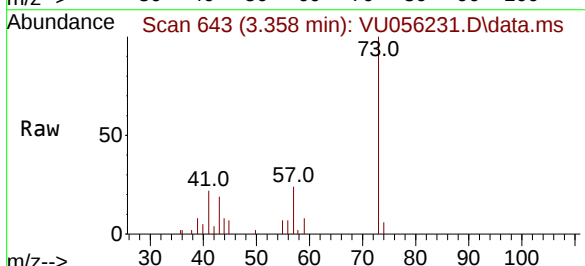
Tgt Ion: 73 Resp: 16671

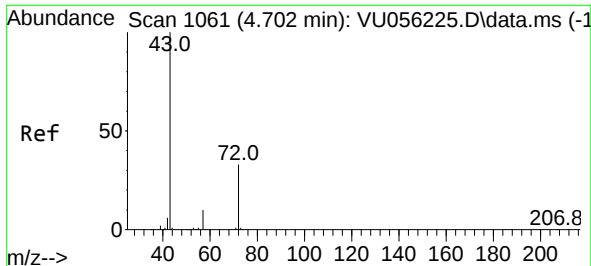
Ion Ratio Lower Upper

73 100

43 9.7 13.6 20.4#

57 22.1 17.3 25.9

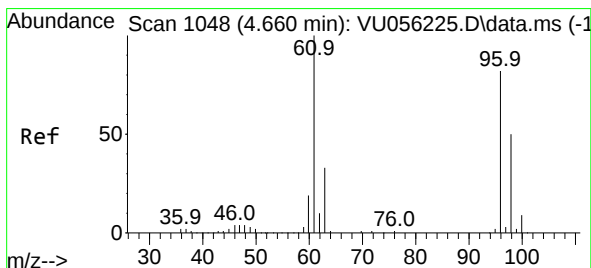
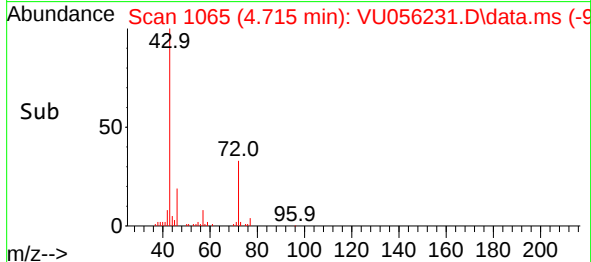
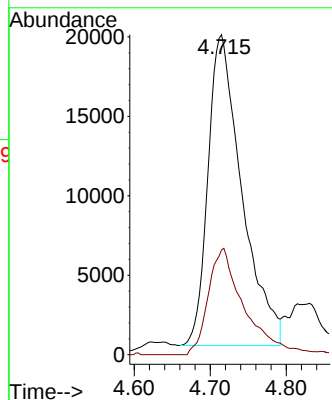
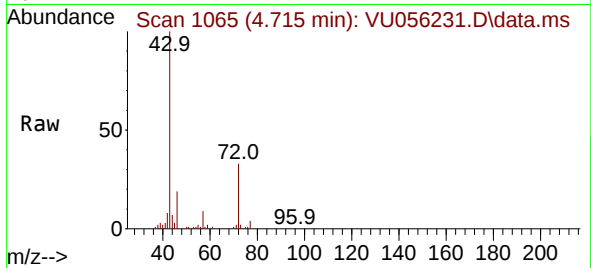




#21
2-Butanone
Concen: 13.480 ug/L
RT: 4.715 min Scan# 1065
Delta R.T. 0.013 min
Lab File: VU056231.D
Acq: 11 Nov 2023 21:43

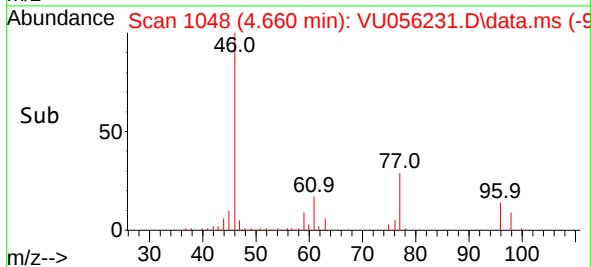
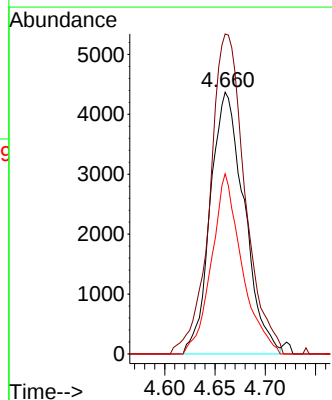
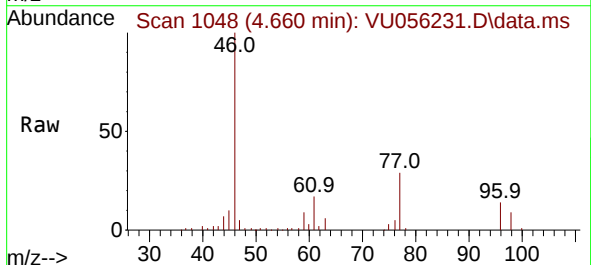
Instrument :
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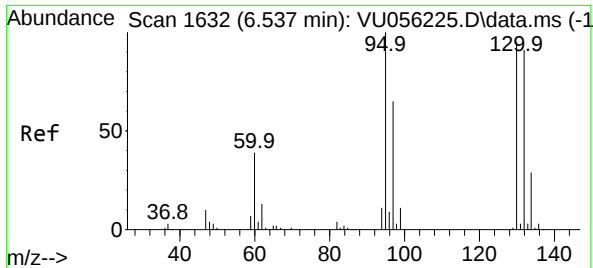
Tgt Ion: 43 Resp: 60607
Ion Ratio Lower Upper
43 100
72 36.3 15.7 47.0



#22
cis-1,2-Dichloroethene
Concen: 0.385 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056231.D
Acq: 11 Nov 2023 21:43

Tgt Ion: 96 Resp: 10274
Ion Ratio Lower Upper
96 100
61 122.2 87.8 163.2
98 68.8 43.5 80.7

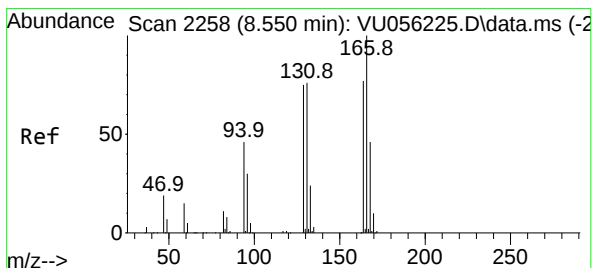
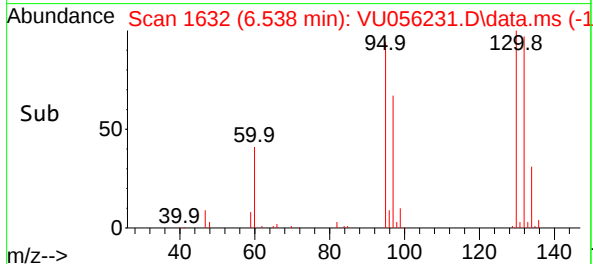
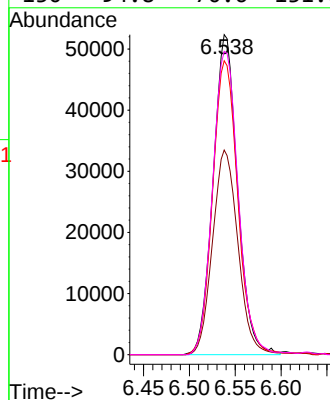
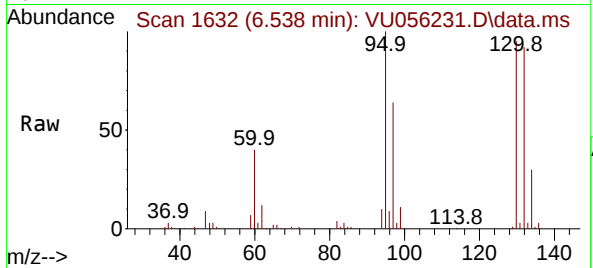




#34
Trichloroethene
Concen: 3.479 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056231.D
Acq: 11 Nov 2023 21:43

Instrument :
MSVOA_U
ClientSampleId :
GCDN2

Tgt Ion: 95 Resp: 97306
Ion Ratio Lower Upper
95 100
97 64.0 46.8 87.0
132 91.8 66.5 123.5
130 94.8 70.6 131.0



#47
Tetrachloroethene
Concen: 36.885 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056231.D
Acq: 11 Nov 2023 21:43

Tgt Ion:164 Resp: 774178
Ion Ratio Lower Upper
164 100
129 98.7 66.6 123.8
131 96.1 67.8 126.0
166 127.2 85.9 159.5

