

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056448.D
 Acq On : 17 Nov 2023 17:43
 Operator : MD/SY
 Sample : 05441-03
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 23:23:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

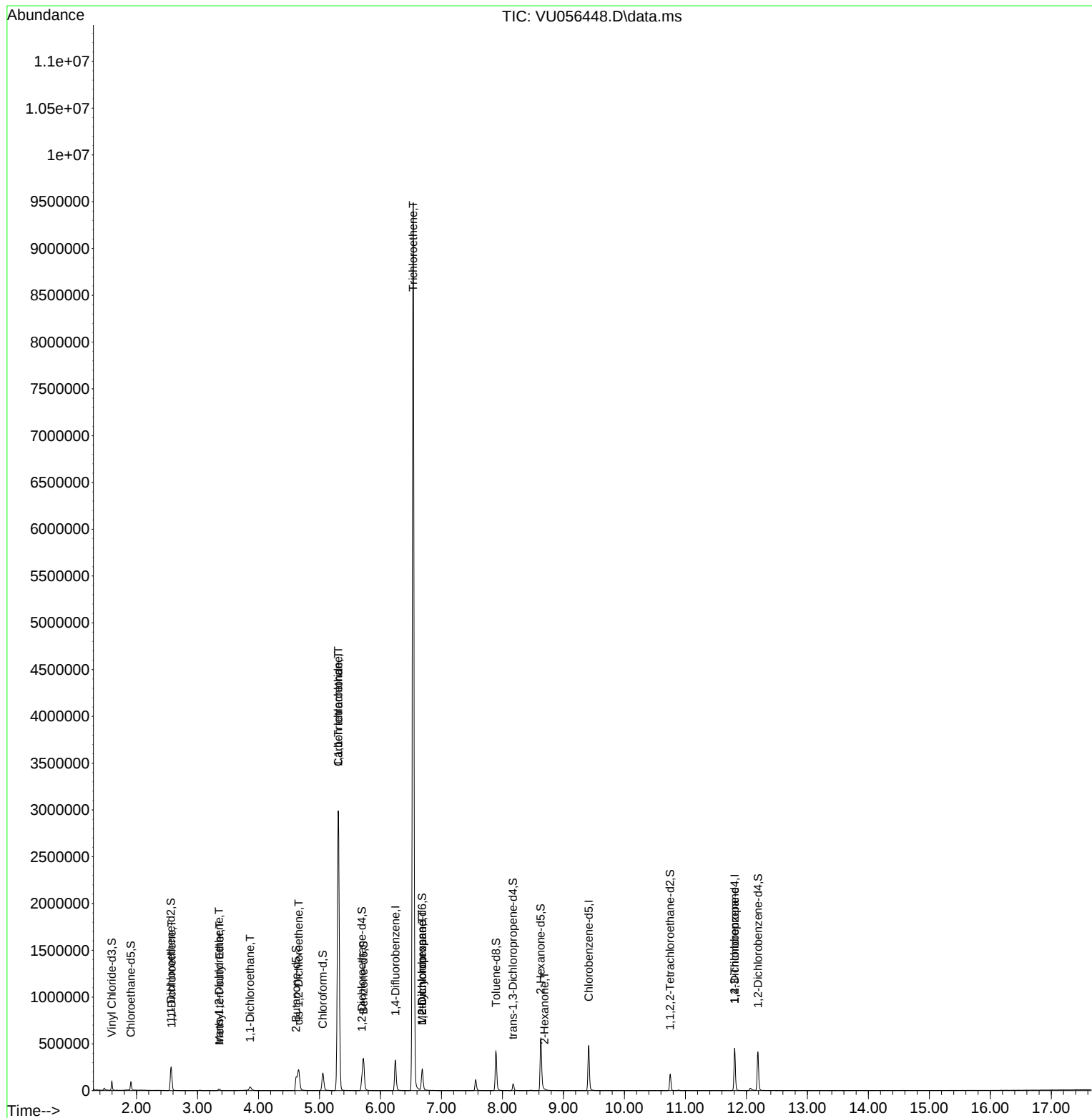
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	263664	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	278341	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	119966	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	66591	3.377	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.907	69	65866	4.356	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.563	65	35571	4.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.618	46	230958	58.732	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.460%
24) Chloroform-d	5.055	84	178921	4.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.695	65	91045	5.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.721	84	331817	4.001	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.685	67	109754	4.391	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.894	98	288726	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.174	79	43833	4.573	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.627	63	197214	52.353	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.700%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	88905	4.978	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	110624	4.992	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.576	96	41811	2.590	ug/L	86
17) Methyl tert-butyl Ether	3.361	73	6275	0.160	ug/L #	88
18) trans-1,2-Dichloroethene	3.354	96	5205	0.313	ug/L	89
19) 1,1-Dichloroethane	3.862	63	41870	1.273	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	107376	5.701	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	2244385	70.246	ug/L	99
31) Carbon tetrachloride	5.309	117	280133	10.208	ug/L	98
34) Trichloroethene	6.537	95	3378027	156.108	ug/L	99
35) Methylcyclohexane	6.685	83	26259	0.841	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	12026	0.581	ug/L #	89
48) 2-Hexanone	8.689	43	7791	0.974	ug/L #	88
61) 1,2,3-Trichloropropane	11.807	75	14569	1.415	ug/L #	66

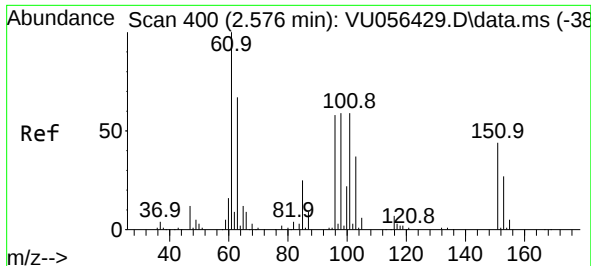
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 2.590 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056448.D

Acq: 17 Nov 2023 17:43

Instrument :

MSVOA_U

ClientSampleId :

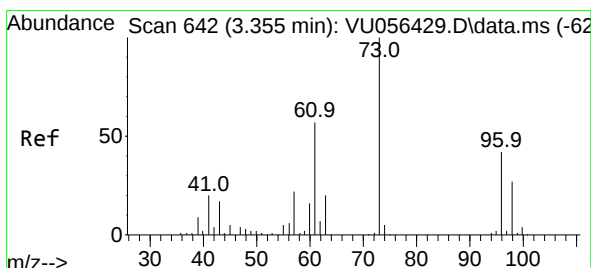
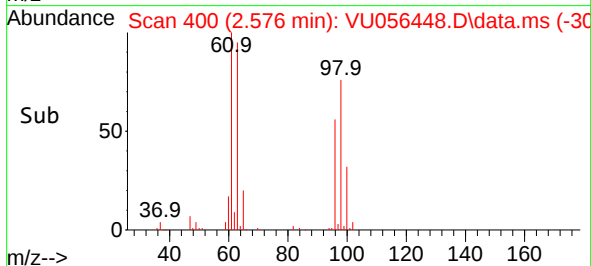
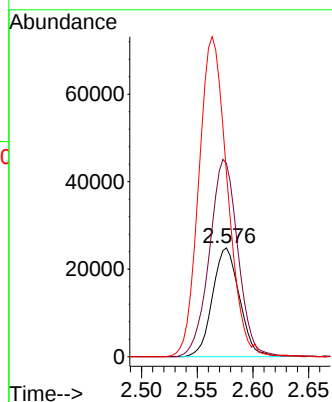
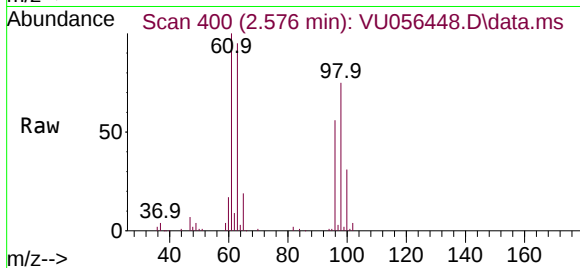
Tgt Ion: 96 Resp: 41811

Ion Ratio Lower Upper

96 100

61 177.6 123.1 228.7

63 168.7 93.3 173.3



#17

Methyl tert-butyl Ether

Concen: 0.160 ug/L

RT: 3.361 min Scan# 644

Delta R.T. 0.006 min

Lab File: VU056448.D

Acq: 17 Nov 2023 17:43

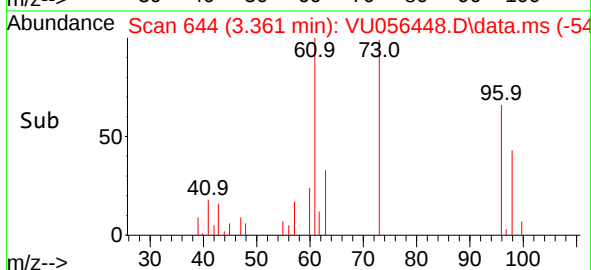
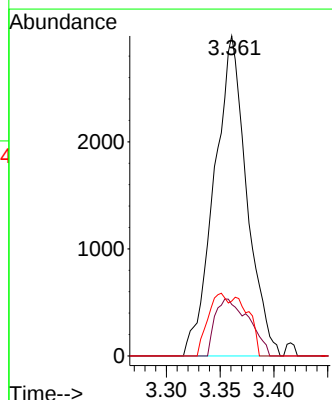
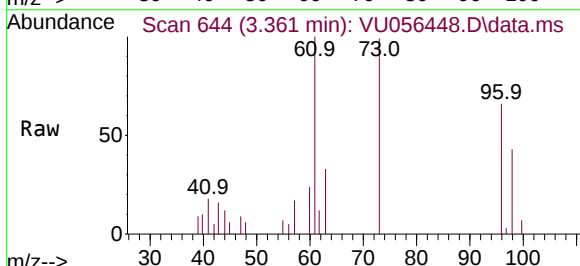
Tgt Ion: 73 Resp: 6275

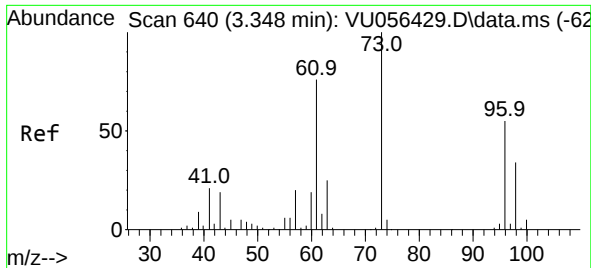
Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7

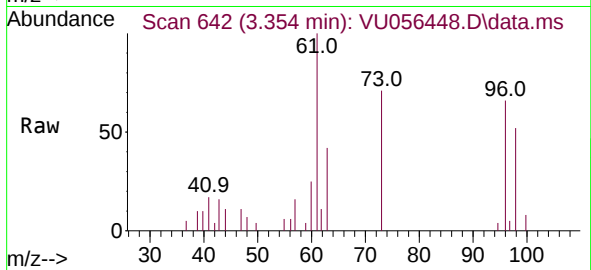
57 12.0 17.8 26.8#



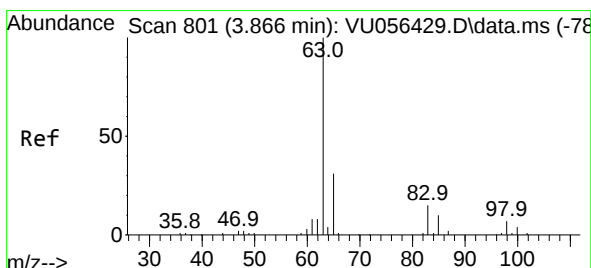
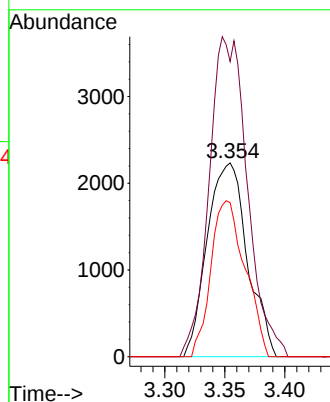
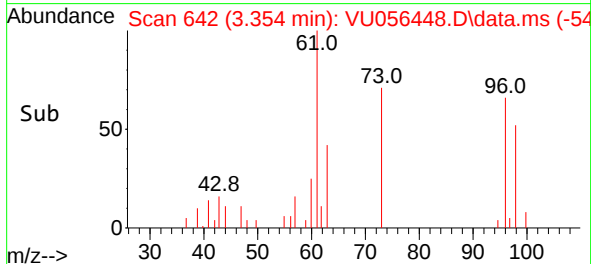


#18
trans-1,2-Dichloroethene
Concen: 0.313 ug/L
RT: 3.354 min Scan# 64
Delta R.T. 0.006 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

Instrument :
MSVOA_U
ClientSampleId :

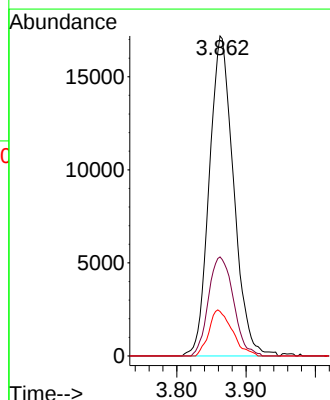
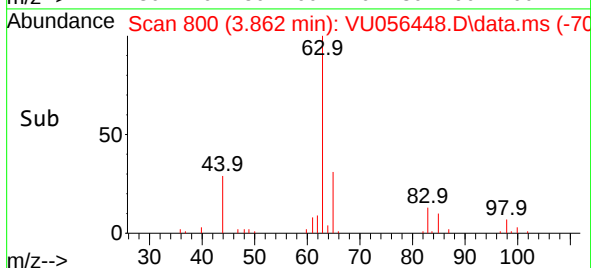
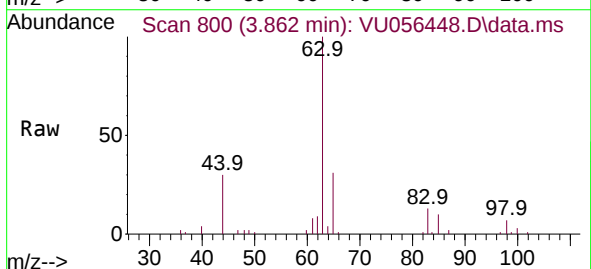


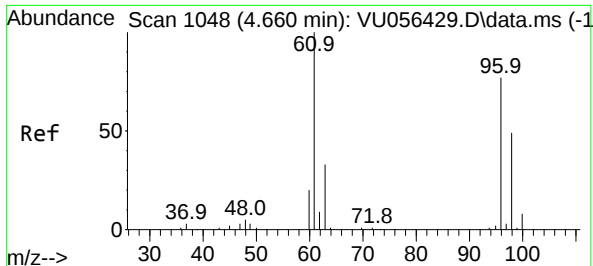
Tgt Ion: 96 Resp: 5205
Ion Ratio Lower Upper
96 100
61 152.4 101.7 188.9
98 79.5 43.0 80.0



#19
1,1-Dichloroethane
Concen: 1.273 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.003 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

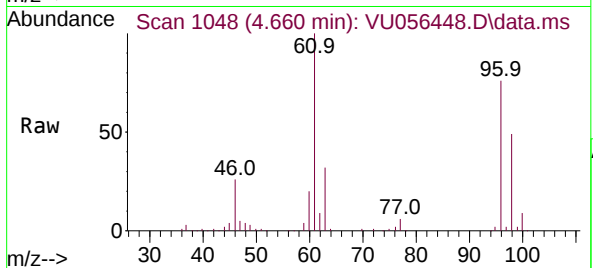
Tgt Ion: 63 Resp: 41870
Ion Ratio Lower Upper
63 100
65 31.0 21.8 40.6
83 13.9 9.7 17.9



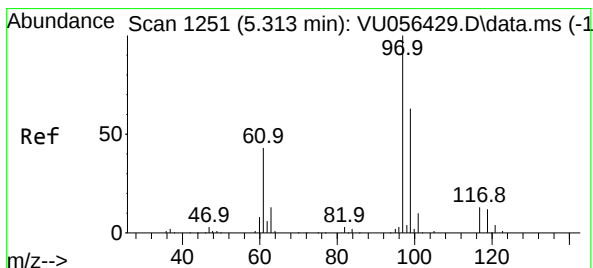
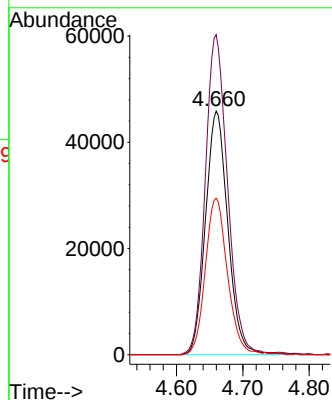
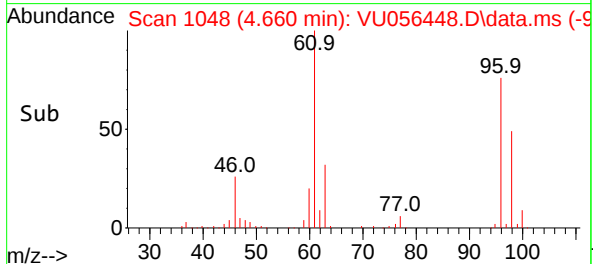


#22
 cis-1,2-Dichloroethene
 Concen: 5.701 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056448.D
 Acq: 17 Nov 2023 17:43

Instrument :
 MSVOA_U
 ClientSampleId :

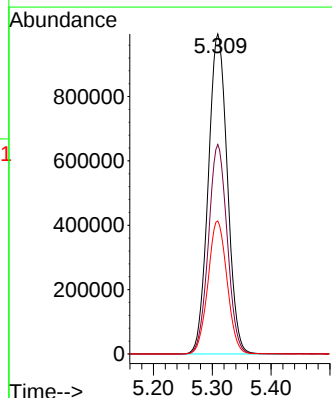
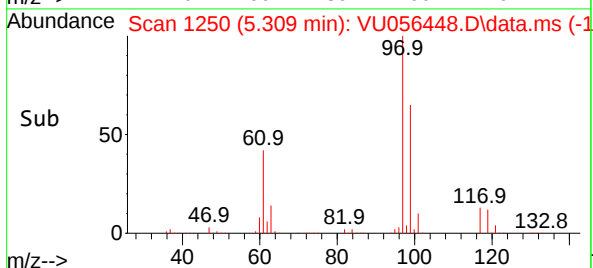
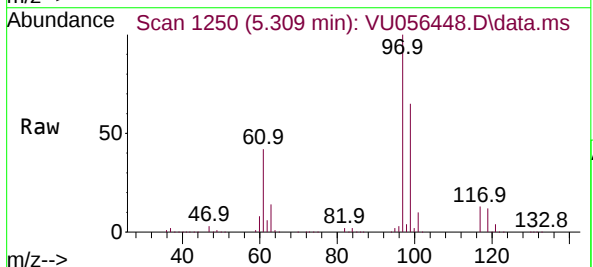


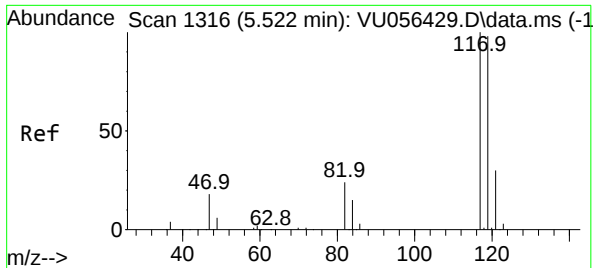
Tgt Ion: 96 Resp: 107376
 Ion Ratio Lower Upper
 96 100
 61 131.4 93.2 173.2
 98 64.3 44.8 83.2



#29
 1,1,1-Trichloroethane
 Concen: 70.246 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. -0.003 min
 Lab File: VU056448.D
 Acq: 17 Nov 2023 17:43

Tgt Ion: 97 Resp: 2244385
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.6 77.4
 61 41.6 34.3 51.5

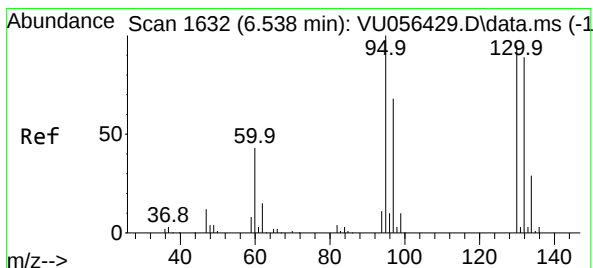
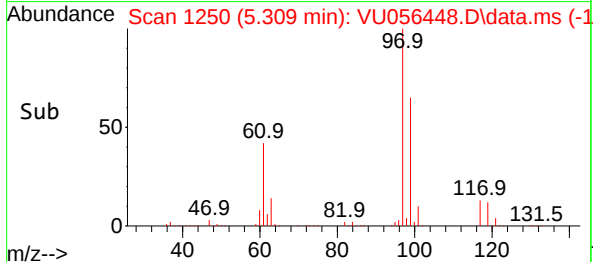
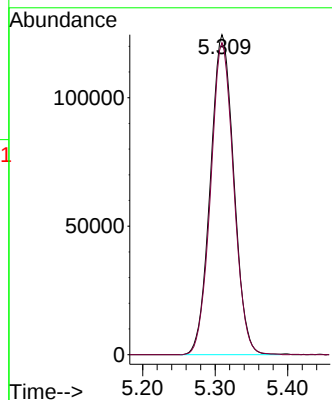
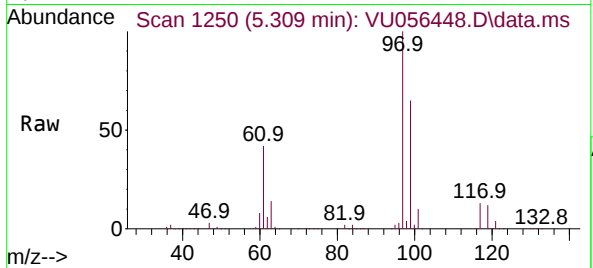




#31
Carbon tetrachloride
Concen: 10.208 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

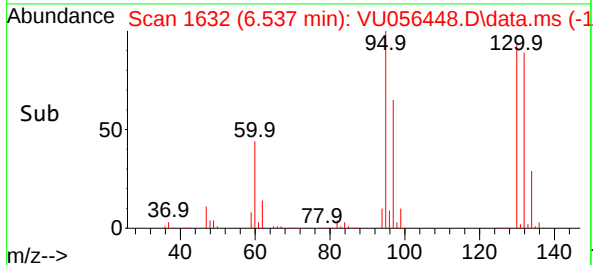
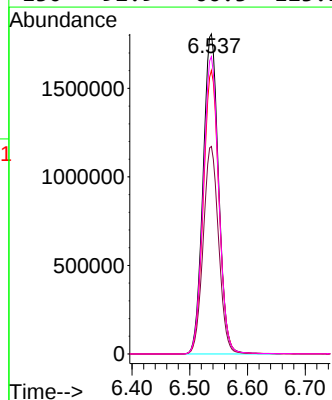
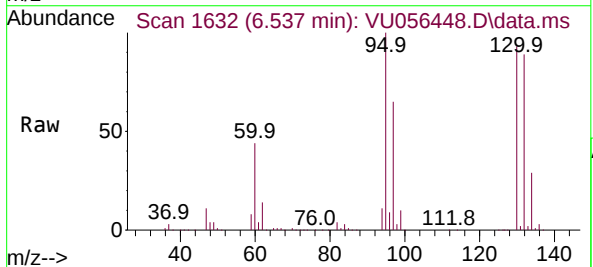
Instrument :
MSVOA_U
ClientSampleId :

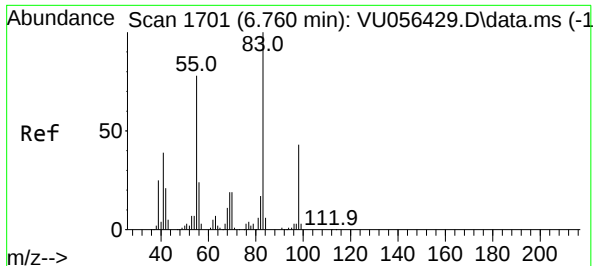
Tgt Ion:117 Resp: 280133
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1



#34
Trichloroethene
Concen: 156.108 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

Tgt Ion: 95 Resp: 3378027
Ion Ratio Lower Upper
95 100
97 64.8 46.5 86.3
132 88.6 62.0 115.2
130 92.9 66.3 123.1

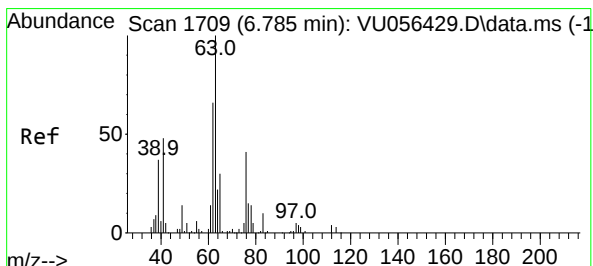
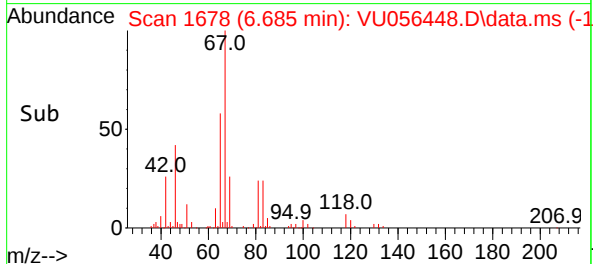
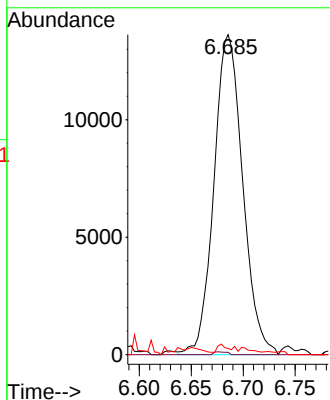
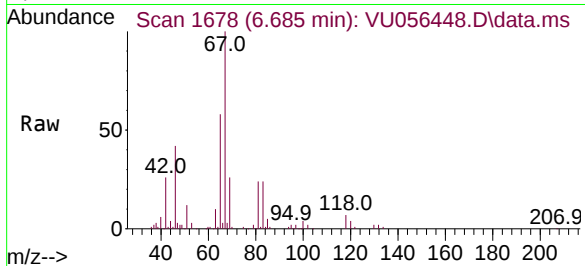




#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

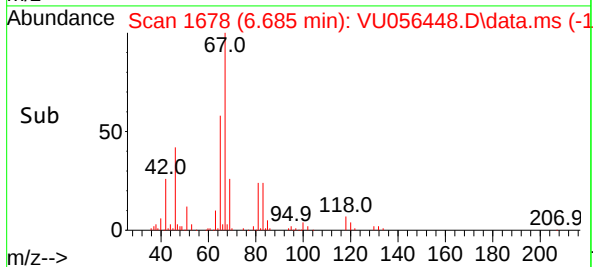
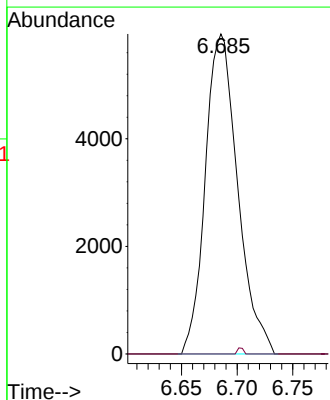
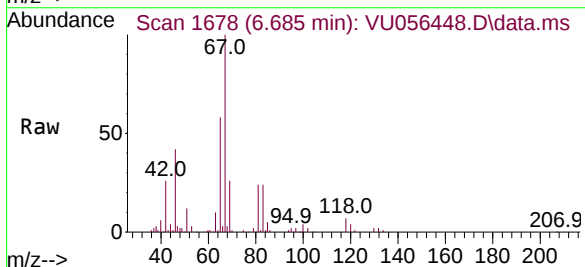
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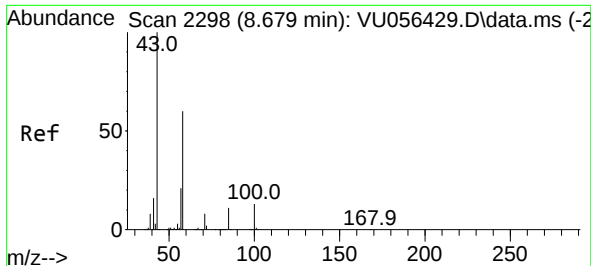
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.9	94.3#
98	0.0	35.3	52.9#



#37
1,2-Dichloropropane
Concen: 0.581 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

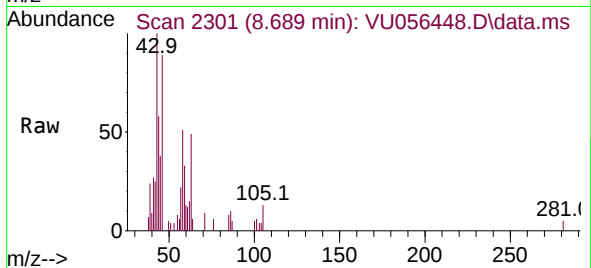
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.3	3.2	4.8#



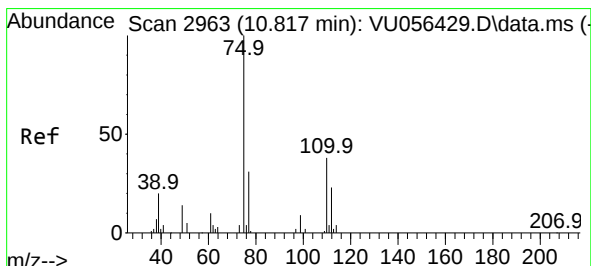
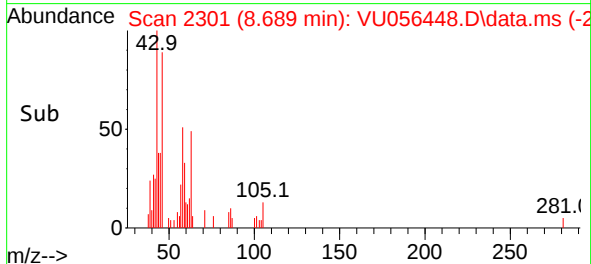
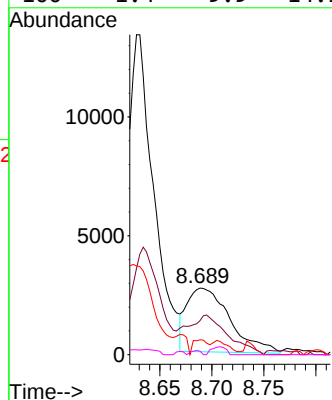


#48
2-Hexanone
Concen: 0.974 ug/L
RT: 8.689 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	43	Resp:	7791
Ion	Ratio	Lower	Upper
43	100		
58	58.1	48.7	73.1
57	8.2	16.8	25.2#
100	1.4	9.9	14.9#



#61
1,2,3-Trichloropropane
Concen: 1.415 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056448.D
Acq: 17 Nov 2023 17:43

Tgt Ion:	75	Resp:	14569
Ion	Ratio	Lower	Upper
75	100		
110	2.6	30.4	45.6#
77	30.5	27.0	40.6

