

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057121.D
 Acq On : 21 Dec 2023 04:13
 Operator : MD/SY
 Sample : 05892-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 05:04:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 01:34:13 2023
 Response via : Initial Calibration

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

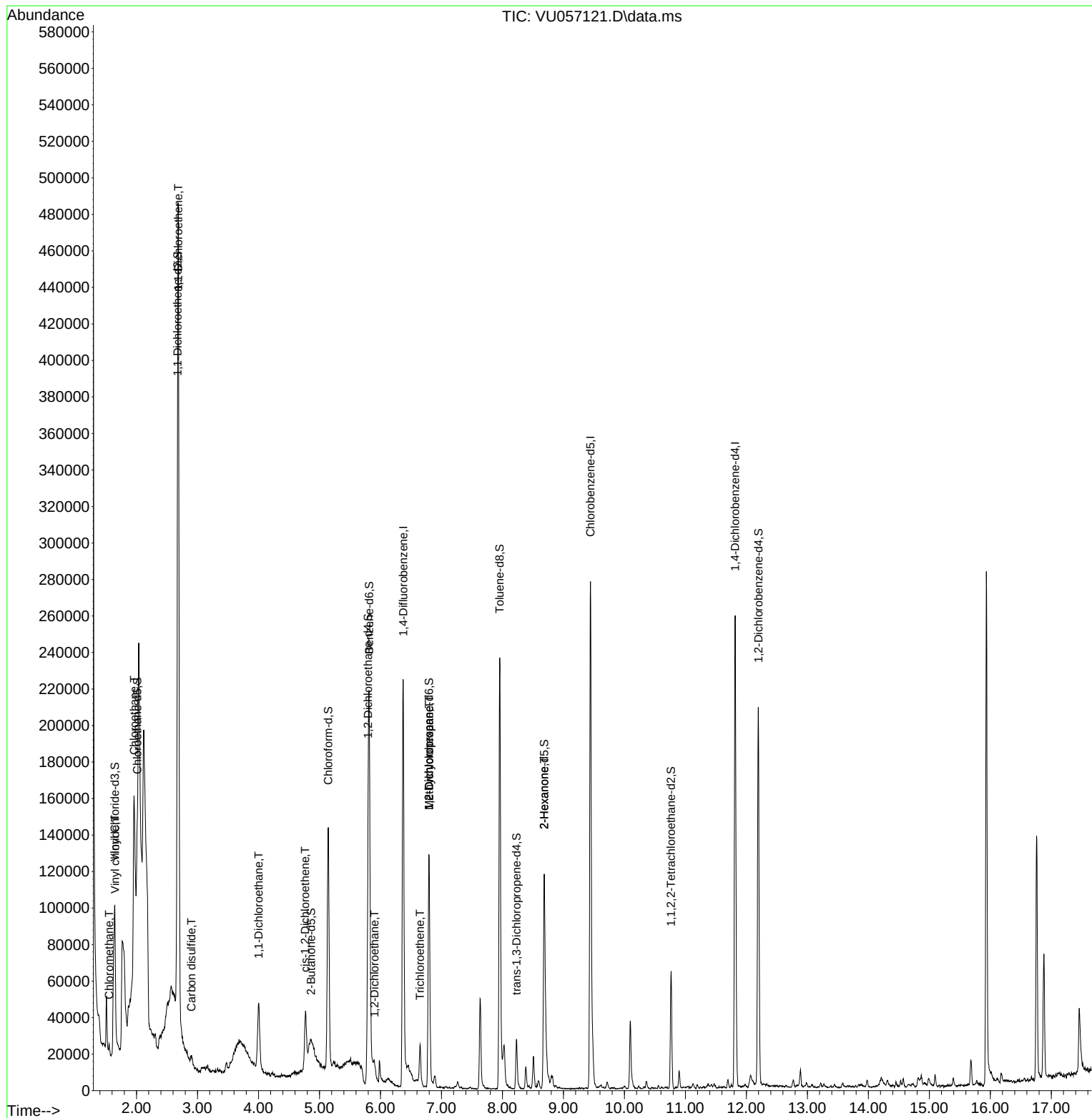
Internal Standards						
1) 1,4-Difluorobenzene	6.373	114	172211	5.000	ug/L	0.13
28) Chlorobenzene-d5	9.444	117	169985	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.817	152	72194	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.644	65	59952	4.061	ug/L	0.05
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.200%
7) Chloroethane-d5	2.013	69	54006	4.889	ug/L	0.10
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.672	65	28125	4.453	ug/L	0.11
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.862	46	49291	16.909	ug/L	0.24
Spiked Amount	50.000	Range	40 - 130	Recovery	=	33.820%#
24) Chloroform-d	5.142	84	117904	4.218	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.798	65	45843	3.466	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
32) Benzene-d6	5.814	84	222082	4.212	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	6.795	67	60500	3.666	ug/L	0.11
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.400%
41) Toluene-d8	7.955	98	165742	3.517	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	8.232	79	16935	2.646	ug/L	0.06
Spiked Amount	5.000	Range	55 - 130	Recovery	=	53.000%#
46) 2-Hexanone-d5	8.685	63	49522	20.517	ug/L	0.06
Spiked Amount	50.000	Range	45 - 130	Recovery	=	41.040%#
56) 1,1,2,2-Tetrachloroeth...	10.765	84	30930	2.590	ug/L	0.02
Spiked Amount	5.000	Range	65 - 120	Recovery	=	51.800%#
66) 1,2-Dichlorobenzene-d4	12.196	152	53362	3.760	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.200%#
Target Compounds						Qvalue
3) Chloromethane	1.550	50	4327	0.244	ug/L	85
5) Vinyl chloride	1.650	62	5123	0.291	ug/L #	1
8) Chloroethane	1.962	64	295360	28.614	ug/L #	53
12) 1,1-Dichloroethene	2.685	96	127811	9.142	ug/L	79
14) Carbon disulfide	2.901	76	7026	0.145	ug/L	96
19) 1,1-Dichloroethane	4.004	63	43656	1.601	ug/L	99
22) cis-1,2-Dichloroethene	4.766	96	14539	0.943	ug/L	87
27) 1,2-Dichloroethane	5.901	62	8191	0.485	ug/L	98
34) Trichloroethene	6.650	95	7996	0.488	ug/L	96
35) Methylcyclohexane	6.795	83	15358	0.635	ug/L #	17
37) 1,2-Dichloropropane	6.795	63	6836	0.447	ug/L #	88
48) 2-Hexanone	8.685	43	6850	1.325	ug/L #	66

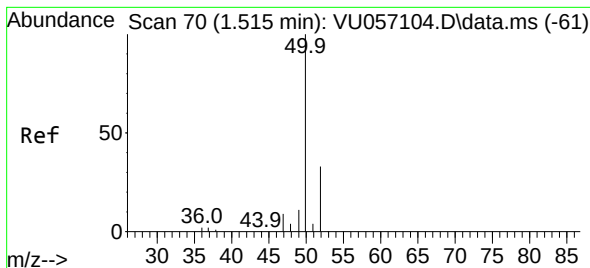
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.244 ug/L

RT: 1.550 min Scan# 81

Delta R.T. 0.035 min

Lab File: VU057121.D

Acq: 21 Dec 2023 04:13

Instrument :

MSVOA_U

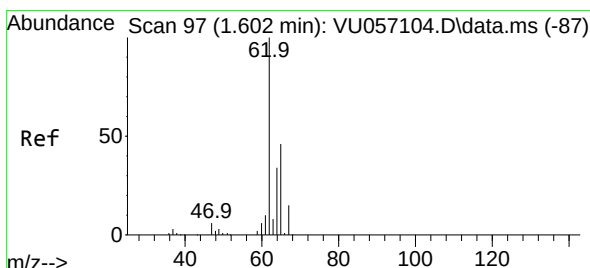
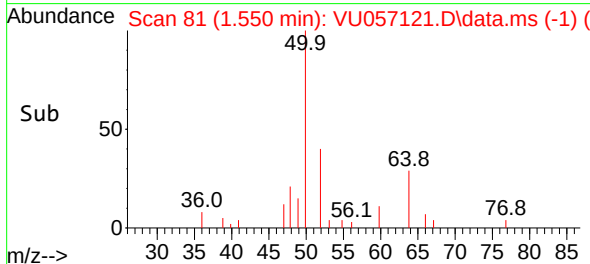
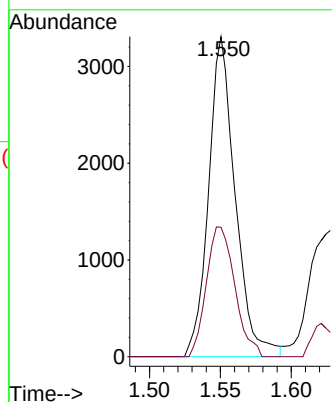
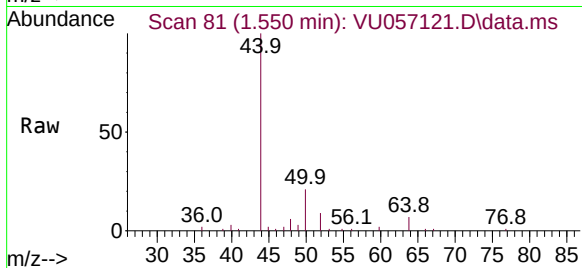
ClientSampleId :

Tgt Ion: 50 Resp: 4327

Ion Ratio Lower Upper

50 100

52 40.4 22.5 41.7



#5

Vinyl chloride

Concen: 0.291 ug/L

RT: 1.650 min Scan# 112

Delta R.T. 0.048 min

Lab File: VU057121.D

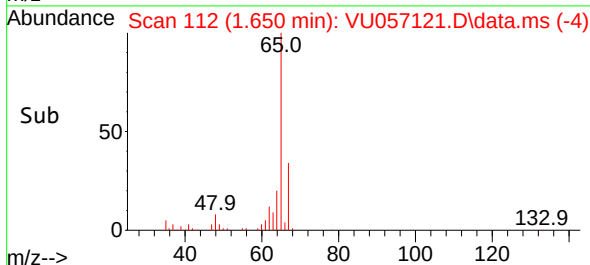
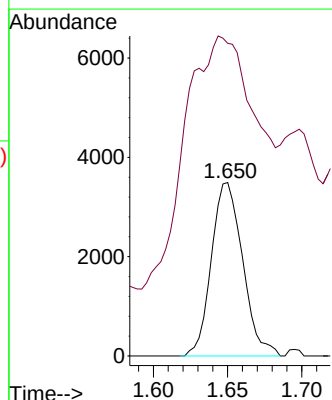
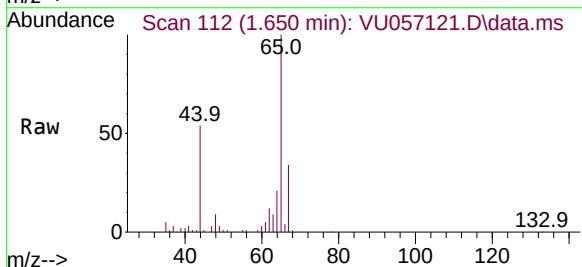
Acq: 21 Dec 2023 04:13

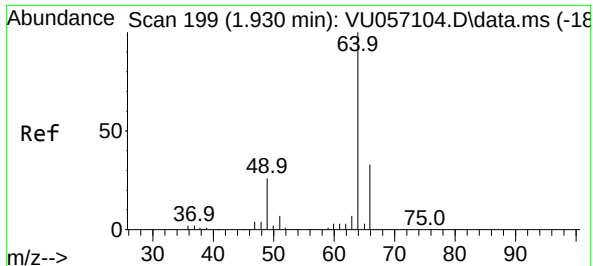
Tgt Ion: 62 Resp: 5123

Ion Ratio Lower Upper

62 100

64 180.1 22.8 42.4#





#8

Chloroethane

Concen: 28.614 ug/L

RT: 1.962 min Scan# 209

Delta R.T. 0.032 min

Lab File: VU057121.D

Acq: 21 Dec 2023 04:13

Instrument :

MSVOA_U

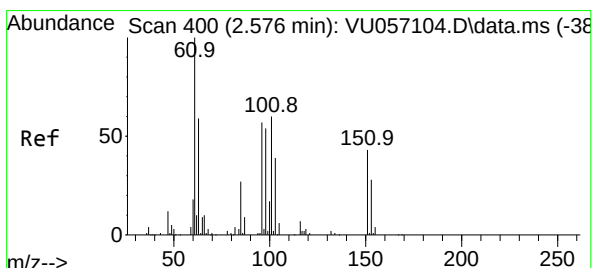
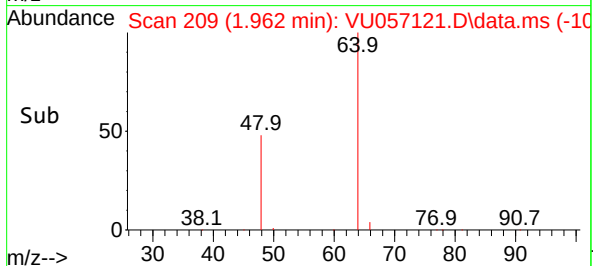
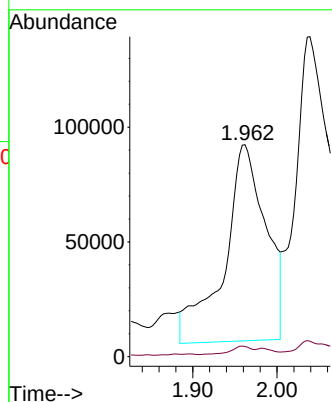
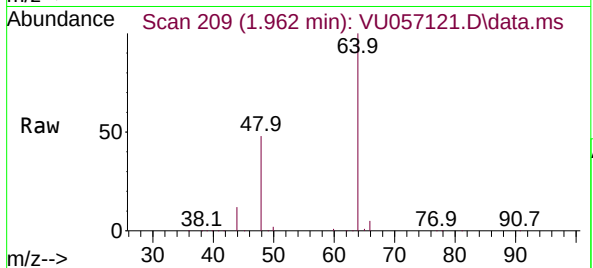
ClientSampleId :

Tgt Ion: 64 Resp: 295360

Ion Ratio Lower Upper

64 100

66 4.8 21.4 39.8#



#12

1,1-Dichloroethene

Concen: 9.142 ug/L

RT: 2.685 min Scan# 434

Delta R.T. 0.109 min

Lab File: VU057121.D

Acq: 21 Dec 2023 04:13

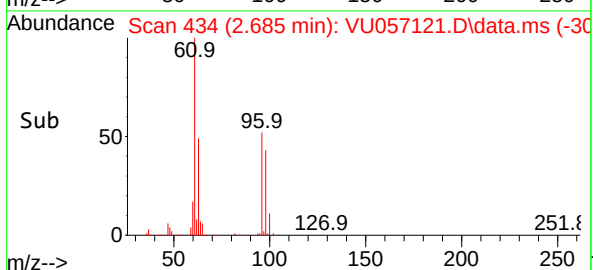
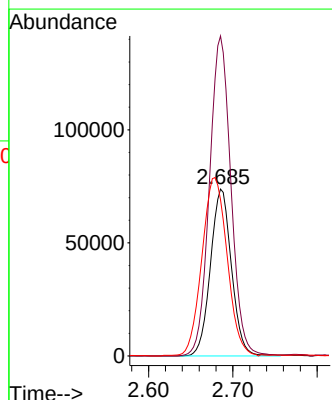
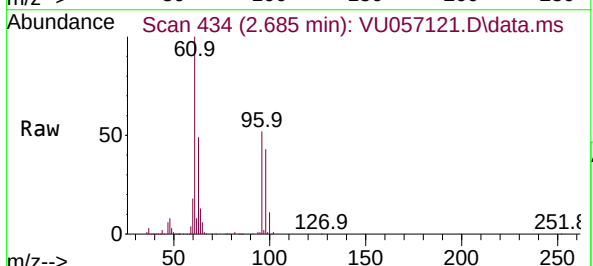
Tgt Ion: 96 Resp: 127811

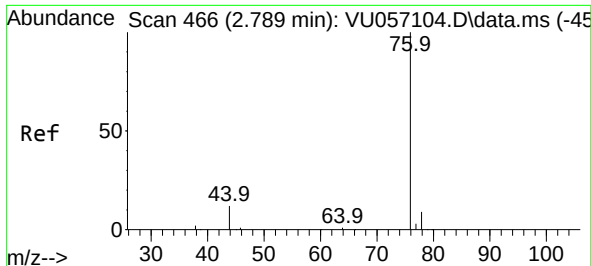
Ion Ratio Lower Upper

96 100

61 191.7 119.0 221.0

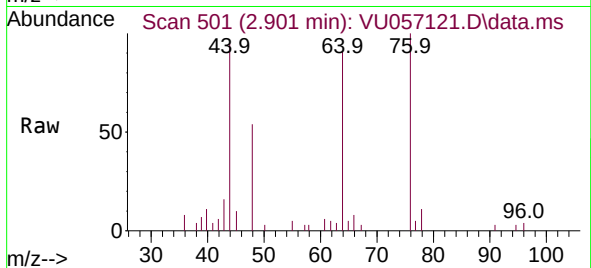
63 93.6 88.7 164.7



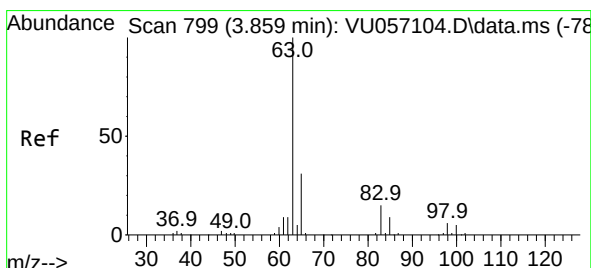
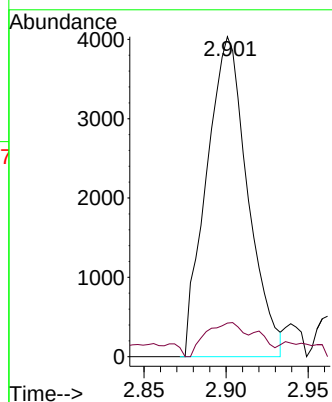
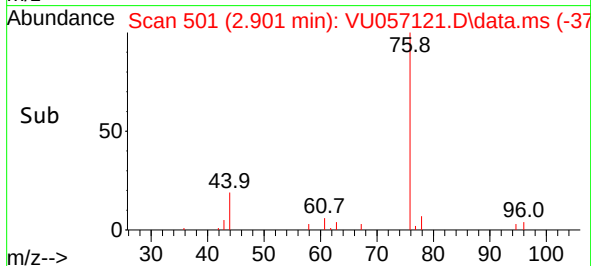


#14
Carbon disulfide
Concen: 0.145 ug/L
RT: 2.901 min Scan# 501
Delta R.T. 0.112 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13

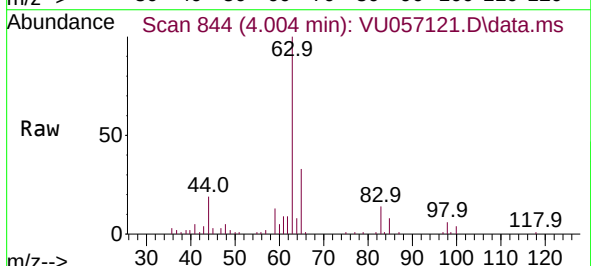
Instrument :
MSVOA_U
ClientSampleId :



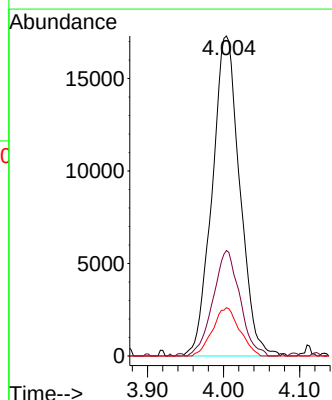
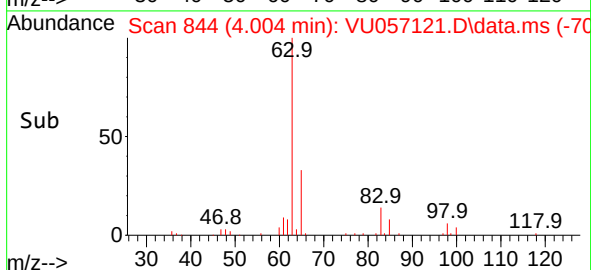
Tgt Ion: 76 Resp: 7026
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9

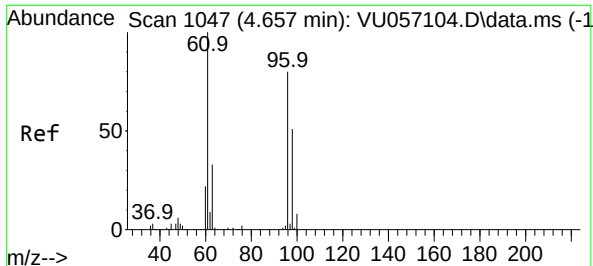


#19
1,1-Dichloroethane
Concen: 1.601 ug/L
RT: 4.004 min Scan# 844
Delta R.T. 0.144 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13



Tgt Ion: 63 Resp: 43656
Ion Ratio Lower Upper
63 100
65 32.9 22.9 42.5
83 15.1 10.1 18.9

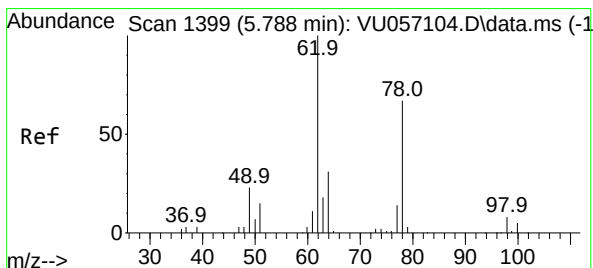
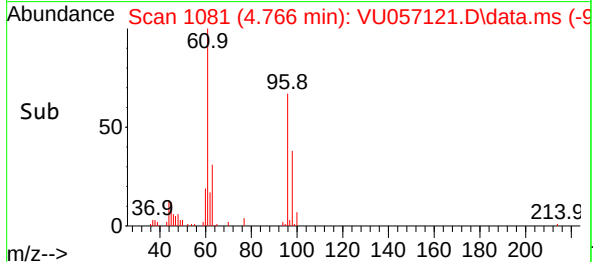
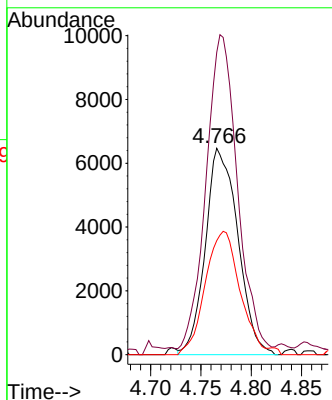
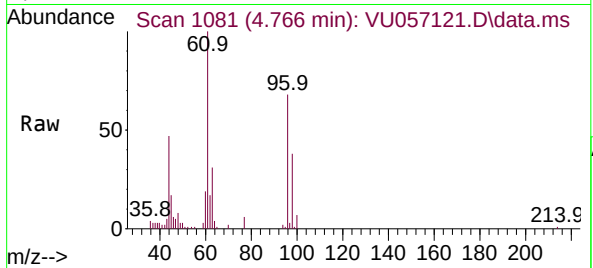




#22
 cis-1,2-Dichloroethene
 Concen: 0.943 ug/L
 RT: 4.766 min Scan# 1081
 Delta R.T. 0.109 min
 Lab File: VU057121.D
 Acq: 21 Dec 2023 04:13

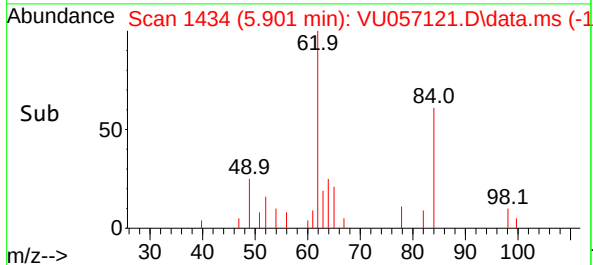
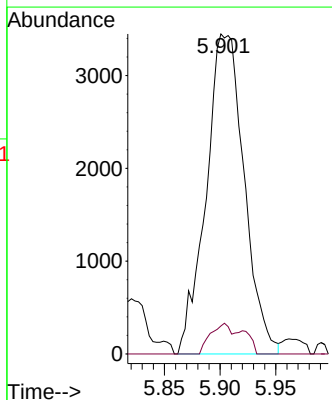
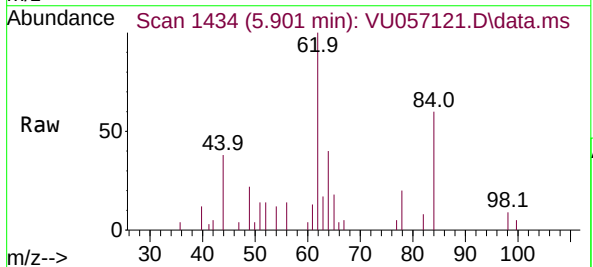
Instrument :
 MSVOA_U
 ClientSampleId :

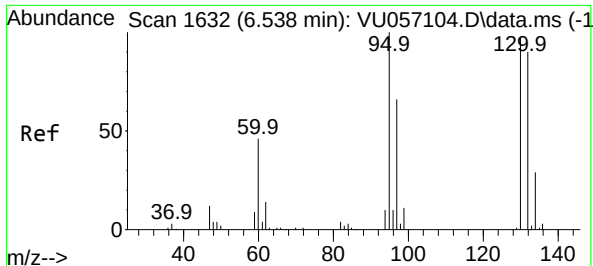
Tgt Ion: 96 Resp: 14539
 Ion Ratio Lower Upper
 96 100
 61 146.5 91.3 169.6
 98 55.3 44.2 82.0



#27
 1,2-Dichloroethane
 Concen: 0.485 ug/L
 RT: 5.901 min Scan# 1434
 Delta R.T. 0.112 min
 Lab File: VU057121.D
 Acq: 21 Dec 2023 04:13

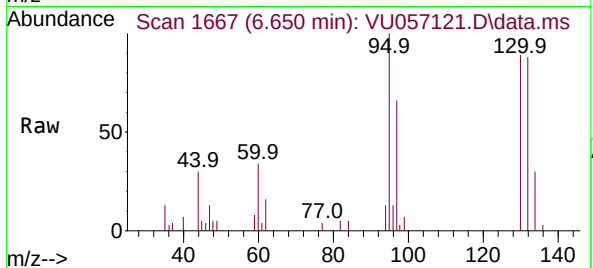
Tgt Ion: 62 Resp: 8191
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.8 11.6





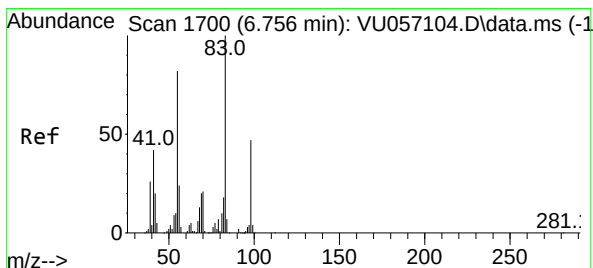
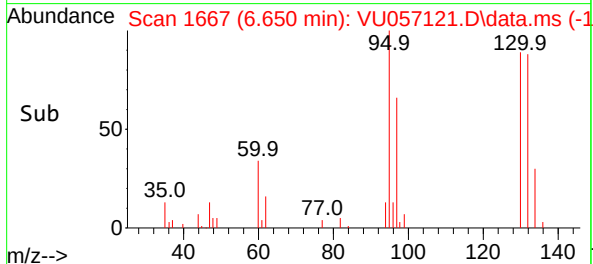
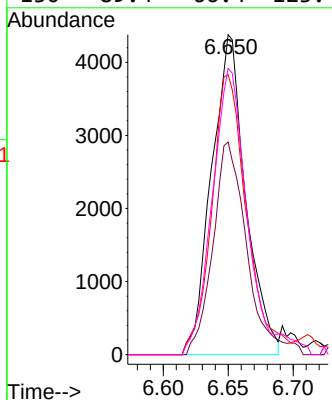
#34
Trichloroethene
Concen: 0.488 ug/L
RT: 6.650 min Scan# 1712
Delta R.T. 0.112 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 7996

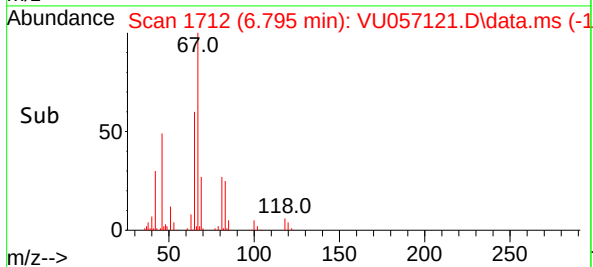
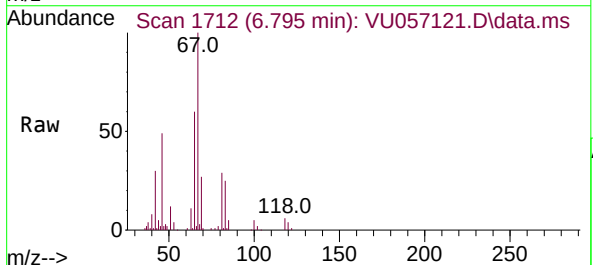
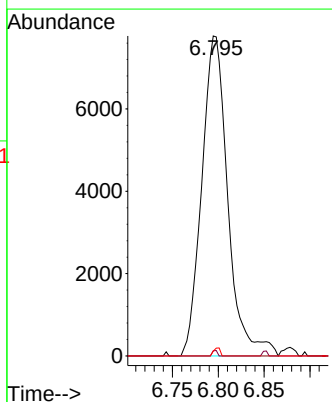
Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.1	85.5
132	87.6	63.6	118.0
130	89.4	66.4	123.4

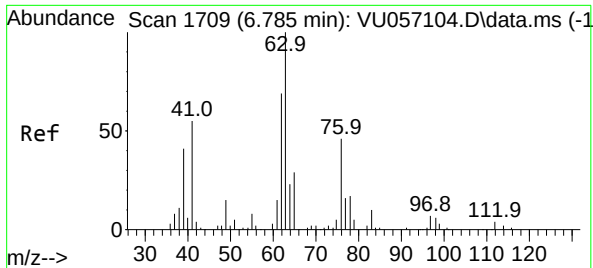


#35
Methylcyclohexane
Concen: 0.635 ug/L
RT: 6.795 min Scan# 1712
Delta R.T. 0.038 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13

Tgt Ion: 83 Resp: 15358

Ion	Ratio	Lower	Upper
83	100		
55	0.3	64.6	97.0#
98	0.6	36.1	54.1#

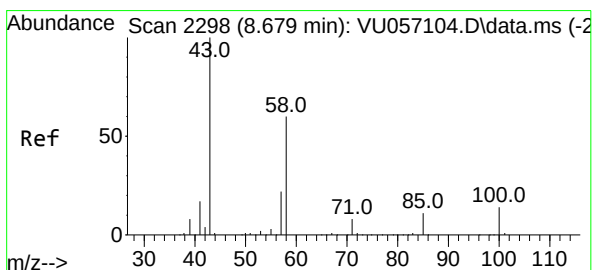
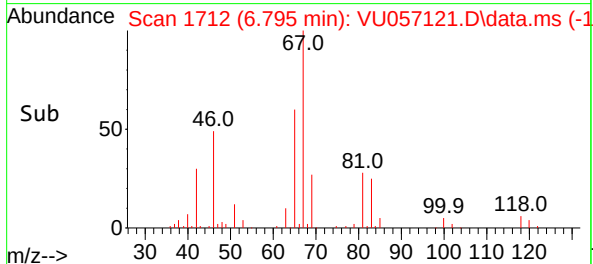
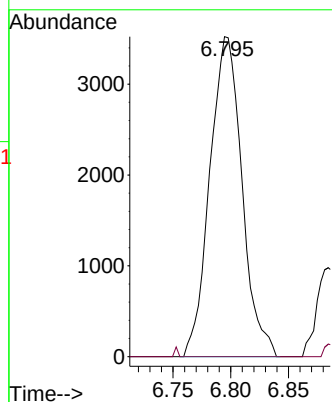
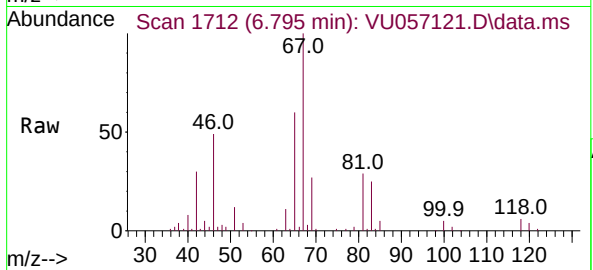




#37
1,2-Dichloropropane
Concen: 0.447 ug/L
RT: 6.795 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 6836
Ion Ratio Lower Upper
63 100
112 0.3 3.3 4.9#



#48
2-Hexanone
Concen: 1.325 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU057121.D
Acq: 21 Dec 2023 04:13

Tgt Ion: 43 Resp: 6850
Ion Ratio Lower Upper
43 100
58 33.4 47.5 71.3#
57 37.3 17.0 25.4#
100 1.6 9.8 14.8#

