

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057197.D
 Acq On : 22 Dec 2023 18:09
 Operator : MD/SY
 Sample : 05894-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 22 22:50:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

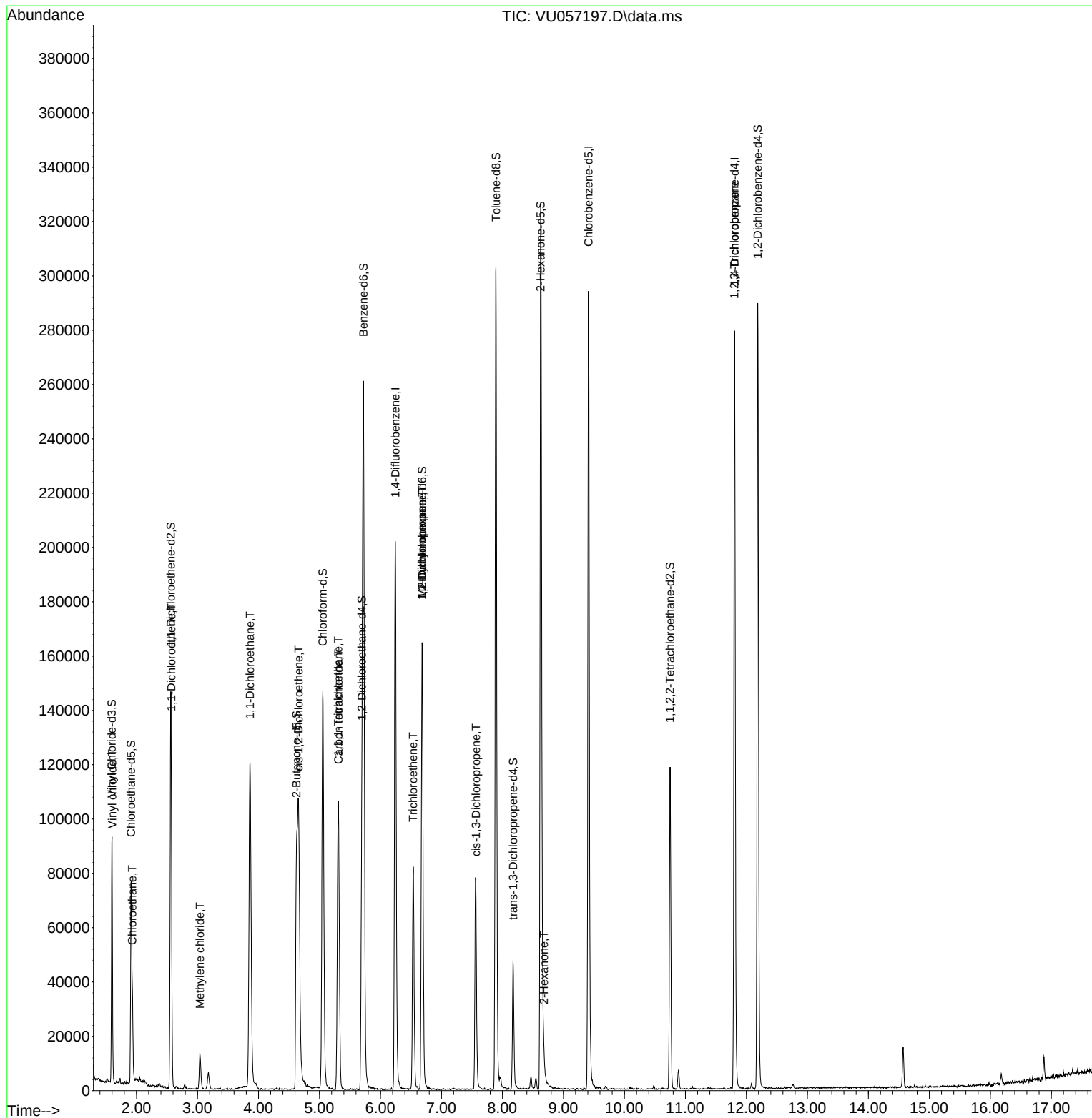
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	163279	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	165336	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73752	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60191	3.857	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.911	69	55984	4.358	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	2.563	65	27591	4.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	4.624	46	142376	58.105	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.220%
24) Chloroform-d	5.055	84	138429	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	70139	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.721	84	250263	4.413	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	6.682	67	77375	4.795	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.894	98	206613	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.177	79	27619	4.111	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.627	63	114233	49.945	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.880%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57780	5.032	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	74835	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
5) Vinyl chloride	1.602	62	5813	0.407	ug/L #	73
8) Chloroethane	1.933	64	17269	1.906	ug/L	100
12) 1,1-Dichloroethene	2.570	96	1540	0.126	ug/L #	1
16) Methylene chloride	3.039	84	6355	0.448	ug/L	97
19) 1,1-Dichloroethane	3.862	63	136478	5.777	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	41199	3.143	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	82098	3.125	ug/L	97
31) Carbon tetrachloride	5.312	117	8899	0.385	ug/L	84
34) Trichloroethene	6.537	95	29735	1.940	ug/L	97
35) Methylcyclohexane	6.682	83	20290	1.006	ug/L #	19
37) 1,2-Dichloropropane	6.685	63	8712	0.668	ug/L #	90
39) cis-1,3-Dichloropropene	7.566	75	2272	0.116	ug/L #	74
48) 2-Hexanone	8.682	43	2734	0.656	ug/L #	44
61) 1,2,3-Trichloropropane	11.804	75	9590	1.396	ug/L #	66

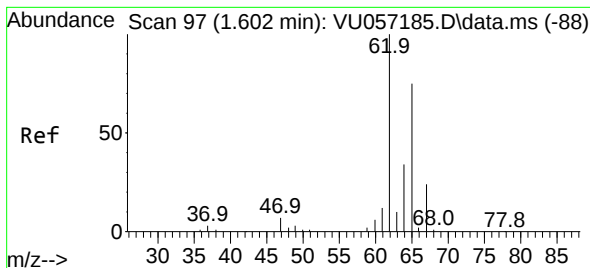
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.407 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

Instrument :

MSVOA_U

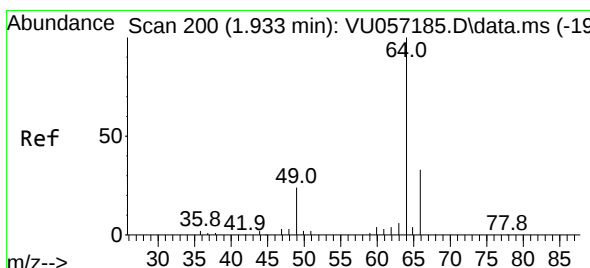
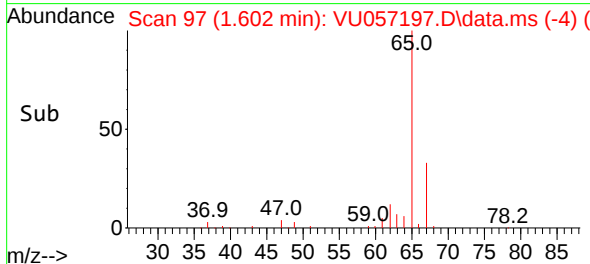
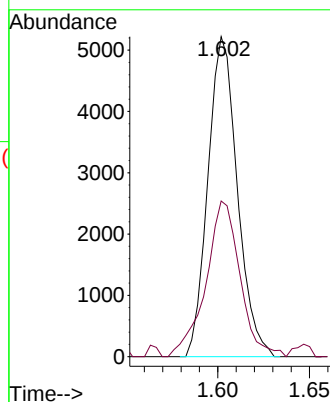
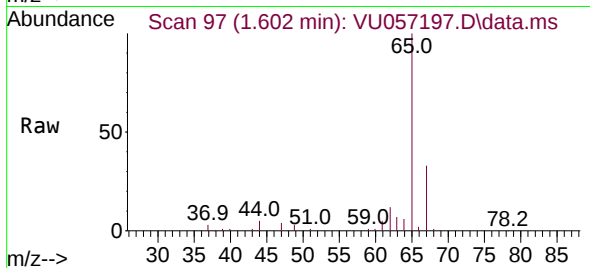
ClientSampleId :

Tgt Ion: 62 Resp: 5813

Ion Ratio Lower Upper

62 100

64 48.6 23.3 43.3#



#8

Chloroethane

Concen: 1.906 ug/L

RT: 1.933 min Scan# 200

Delta R.T. -0.000 min

Lab File: VU057197.D

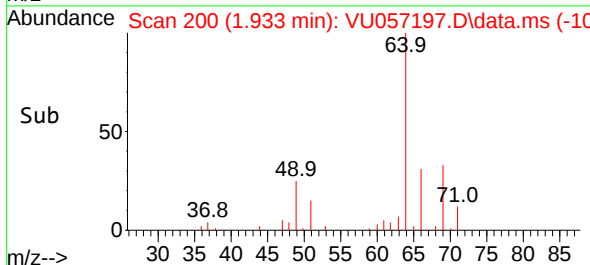
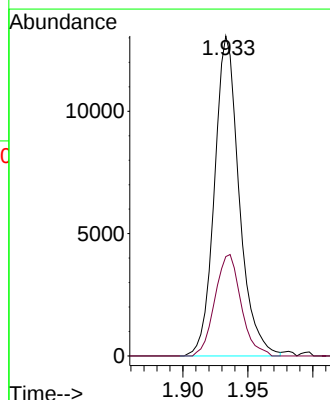
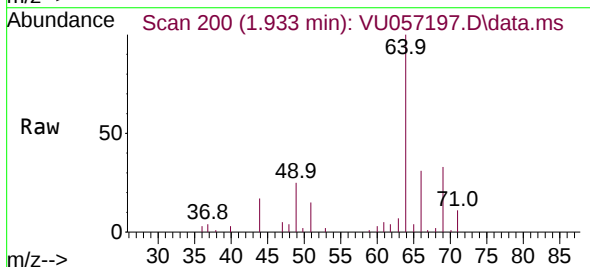
Acq: 22 Dec 2023 18:09

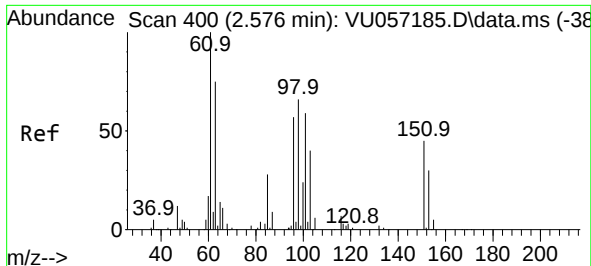
Tgt Ion: 64 Resp: 17269

Ion Ratio Lower Upper

64 100

66 31.1 21.6 40.2





#12

1,1-Dichloroethene

Concen: 0.126 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.007 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

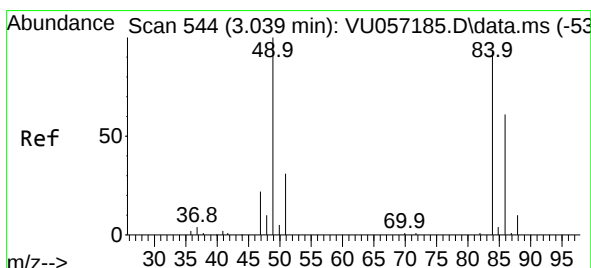
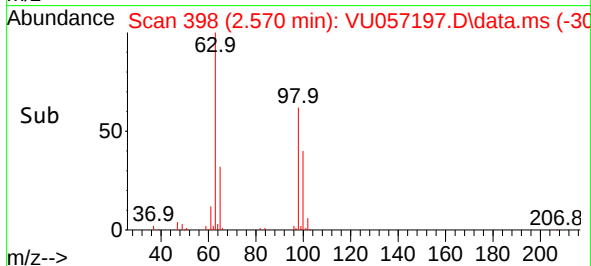
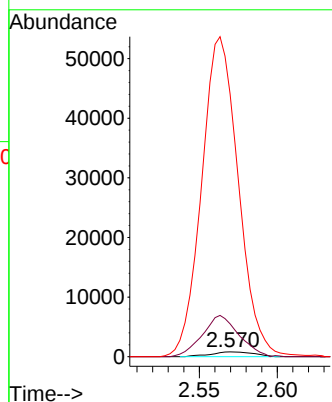
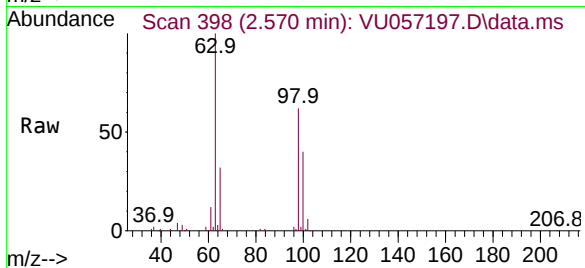
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1540

Ion	Ratio	Lower	Upper
96	100		
61	683.8	119.6	222.0#
63	5479.6	96.2	178.8#



#16

Methylene chloride

Concen: 0.448 ug/L

RT: 3.039 min Scan# 544

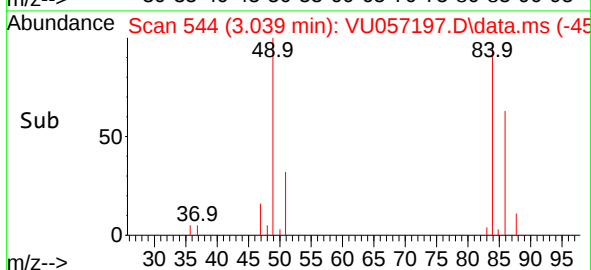
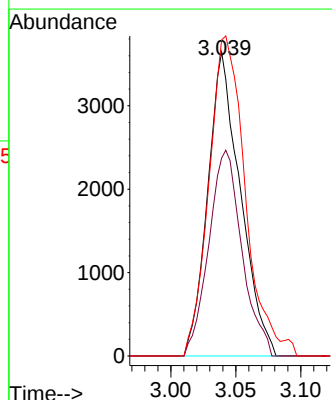
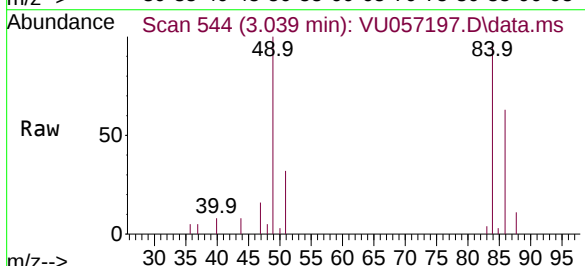
Delta R.T. -0.000 min

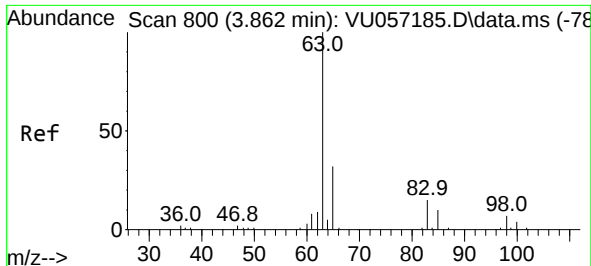
Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

Tgt Ion: 84 Resp: 6355

Ion	Ratio	Lower	Upper
84	100		
86	65.2	44.7	82.9
49	104.0	76.0	141.2





#19

1,1-Dichloroethane

Concen: 5.777 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

Instrument :

MSVOA_U

ClientSampleId :

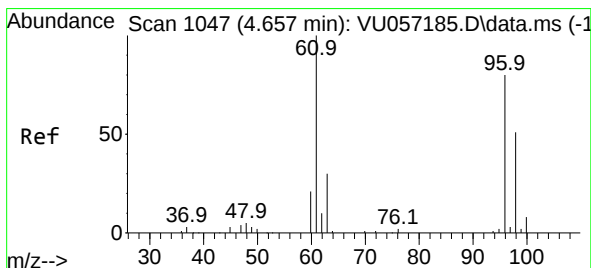
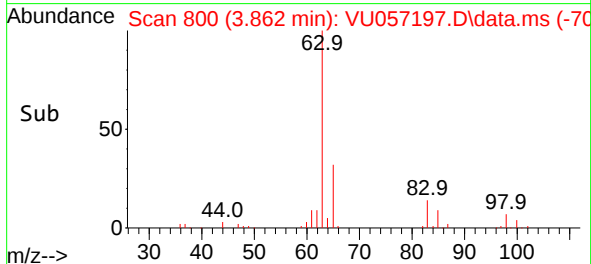
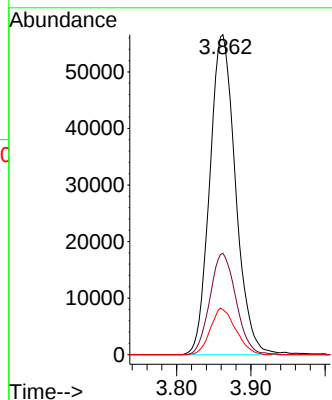
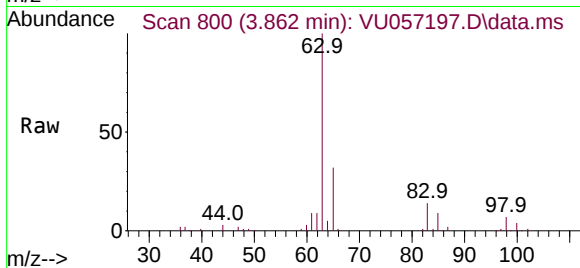
Tgt Ion: 63 Resp: 136478

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.2

83 14.0 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 3.143 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

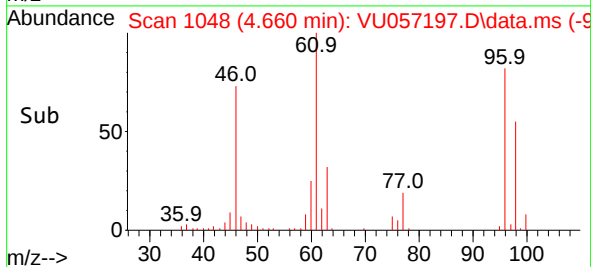
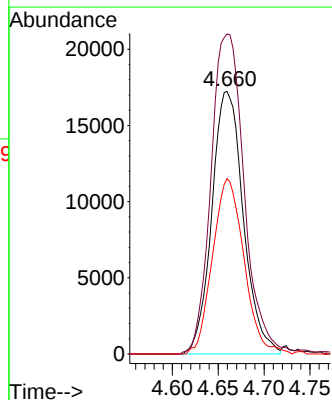
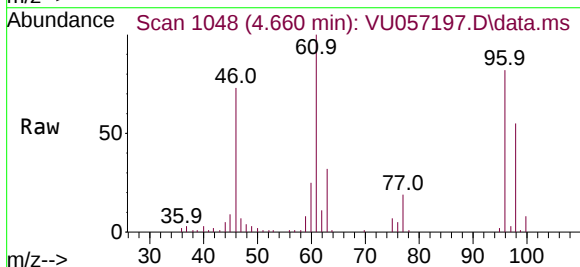
Tgt Ion: 96 Resp: 41199

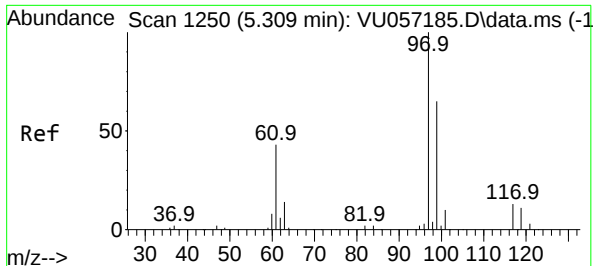
Ion Ratio Lower Upper

96 100

61 121.9 86.8 161.2

98 66.8 45.5 84.5

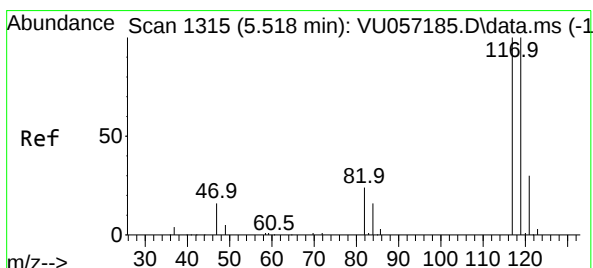
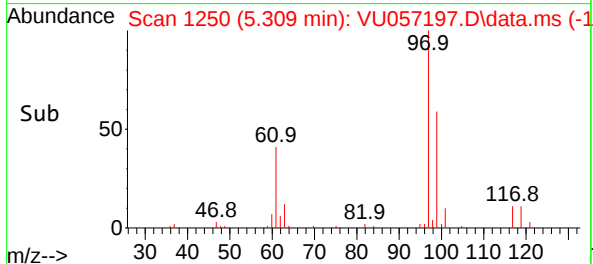
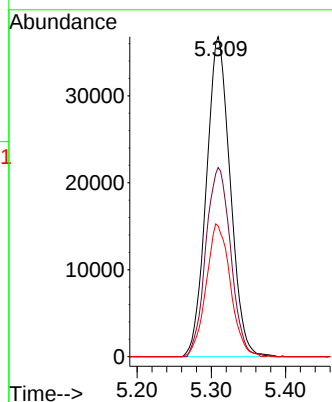
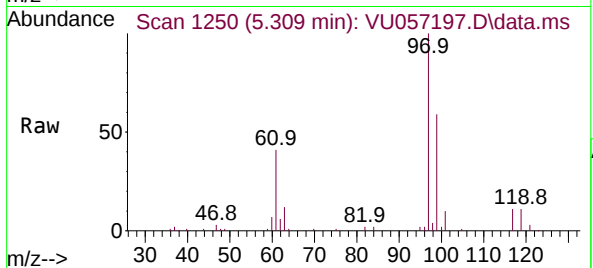




#29
1,1,1-Trichloroethane
Concen: 3.125 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

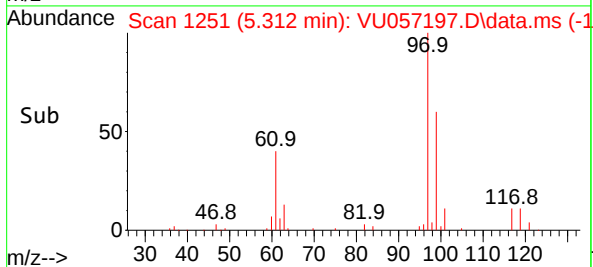
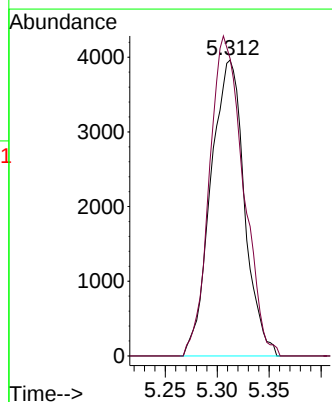
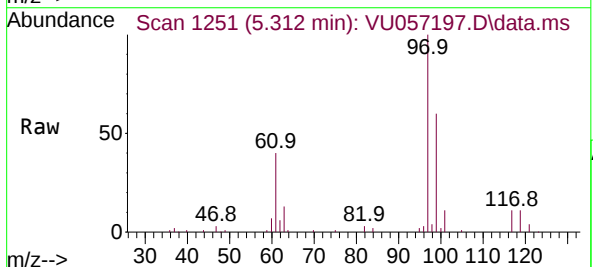
Instrument :
MSVOA_U
ClientSampleId :

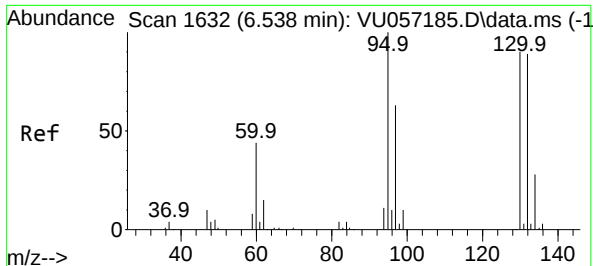
Tgt Ion: 97 Resp: 82098
Ion Ratio Lower Upper
97 100
99 61.7 51.2 76.8
61 42.3 32.5 48.7



#31
Carbon tetrachloride
Concen: 0.385 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.206 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

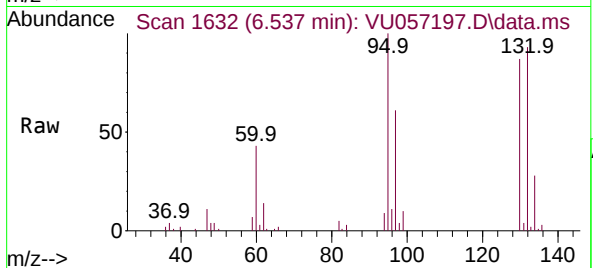
Tgt Ion: 117 Resp: 8899
Ion Ratio Lower Upper
117 100
119 109.4 75.1 112.7



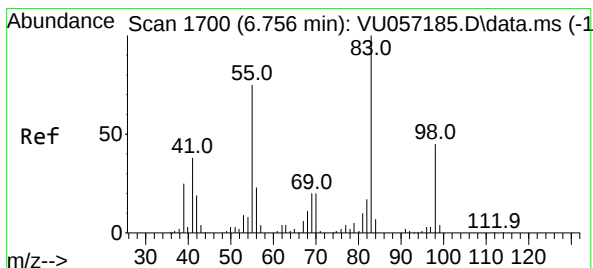
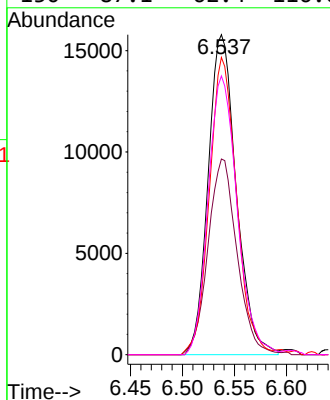
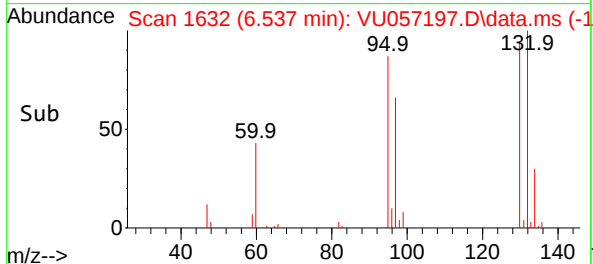


#34
Trichloroethene
Concen: 1.940 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

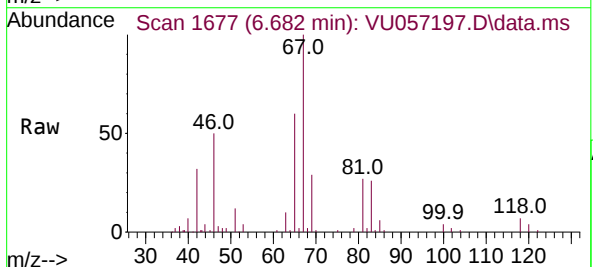
Instrument :
MSVOA_U
ClientSampleId :



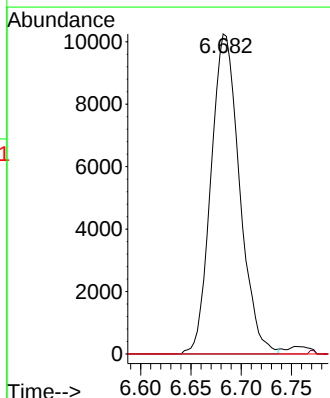
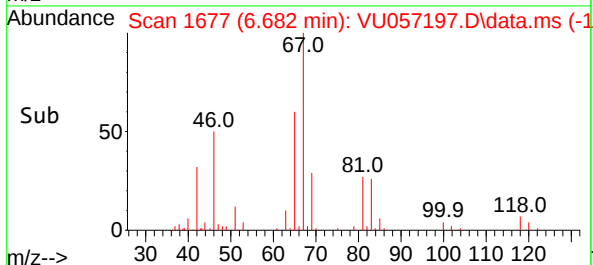
Tgt Ion: 95 Resp: 29735
Ion Ratio Lower Upper
95 100
97 61.2 44.3 82.3
132 92.9 62.6 116.2
130 87.1 62.4 116.0

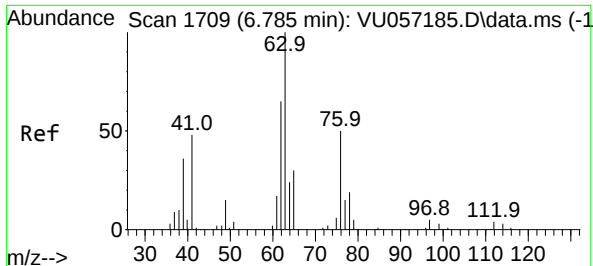


#35
Methylcyclohexane
Concen: 1.006 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09



Tgt Ion: 83 Resp: 20290
Ion Ratio Lower Upper
83 100
55 0.2 61.3 91.9#
98 1.4 36.6 55.0#





#37

1,2-Dichloropropane

Concen: 0.668 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU057197.D

Acq: 22 Dec 2023 18:09

Instrument :

MSVOA_U

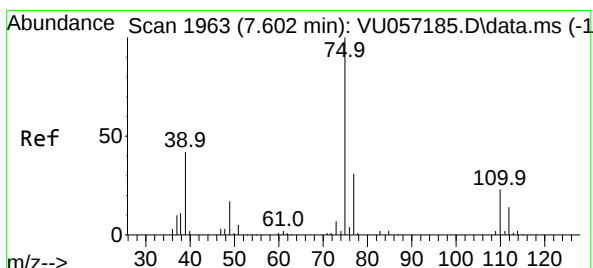
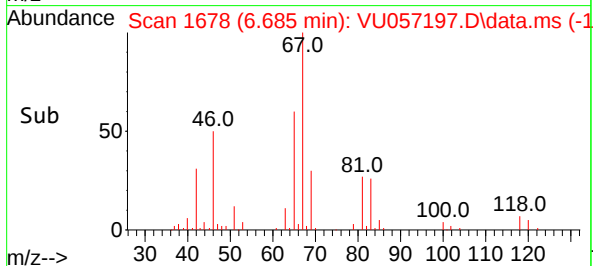
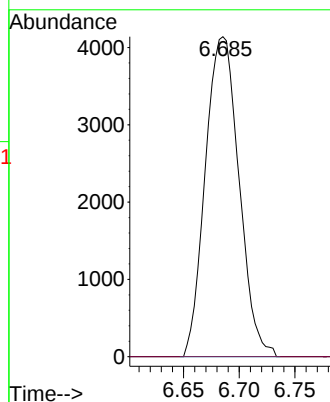
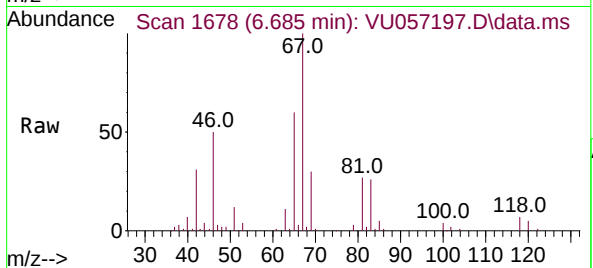
ClientSampleId :

Tgt Ion: 63 Resp: 8712

Ion Ratio Lower Upper

63 100

112 0.5 3.1 4.7#



#39

cis-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 7.566 min Scan# 1952

Delta R.T. -0.036 min

Lab File: VU057197.D

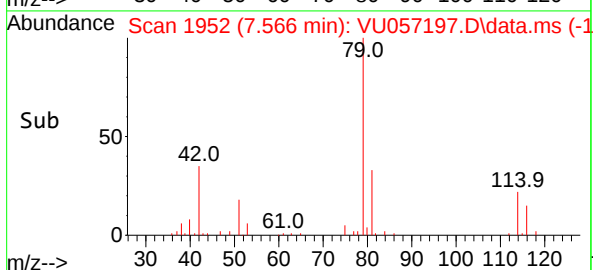
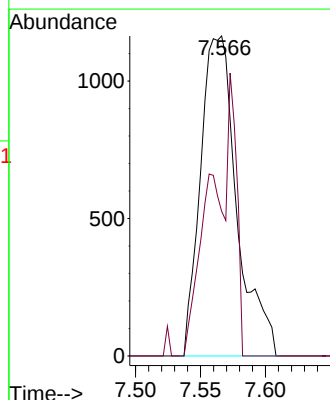
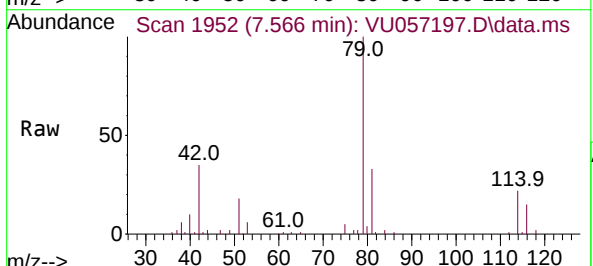
Acq: 22 Dec 2023 18:09

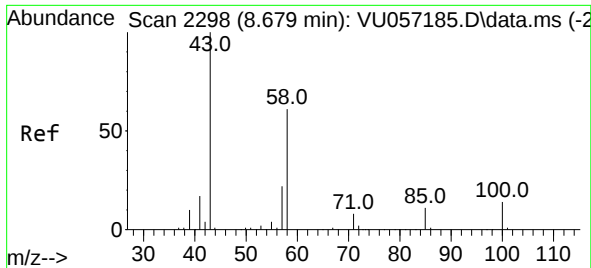
Tgt Ion: 75 Resp: 2272

Ion Ratio Lower Upper

75 100

77 45.2 21.8 40.4#

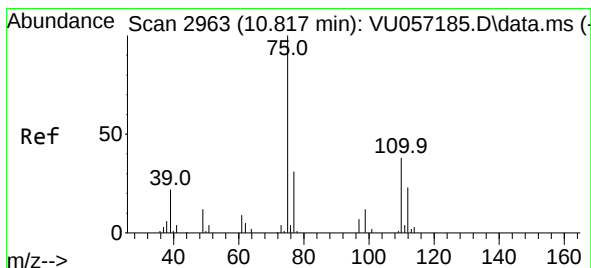
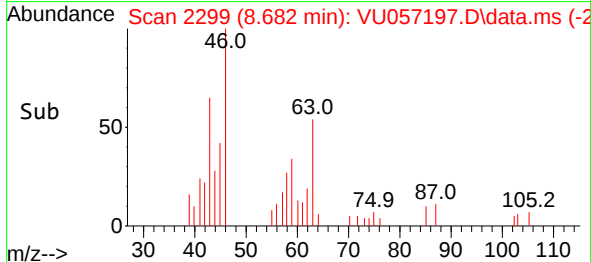
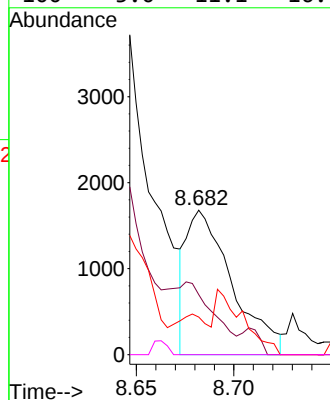
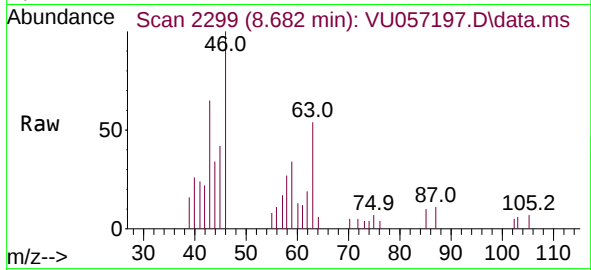




#48
2-Hexanone
Concen: 0.656 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:	43	Resp:	2734
Ion	Ratio	Lower	Upper
43	100		
58	0.0	49.8	74.8#
57	19.6	18.5	27.7
100	3.0	11.1	16.7#



#61
1,2,3-Trichloropropane
Concen: 1.396 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.987 min
Lab File: VU057197.D
Acq: 22 Dec 2023 18:09

Tgt Ion:	75	Resp:	9590
Ion	Ratio	Lower	Upper
75	100		
110	2.0	31.2	46.8#
77	32.9	25.5	38.3

