

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057044.D
 Acq On : 19 Dec 2023 15:09
 Operator : MD/SY
 Sample : 05830-06 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 04:57:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 04:54:16 2023
 Response via : Initial Calibration

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

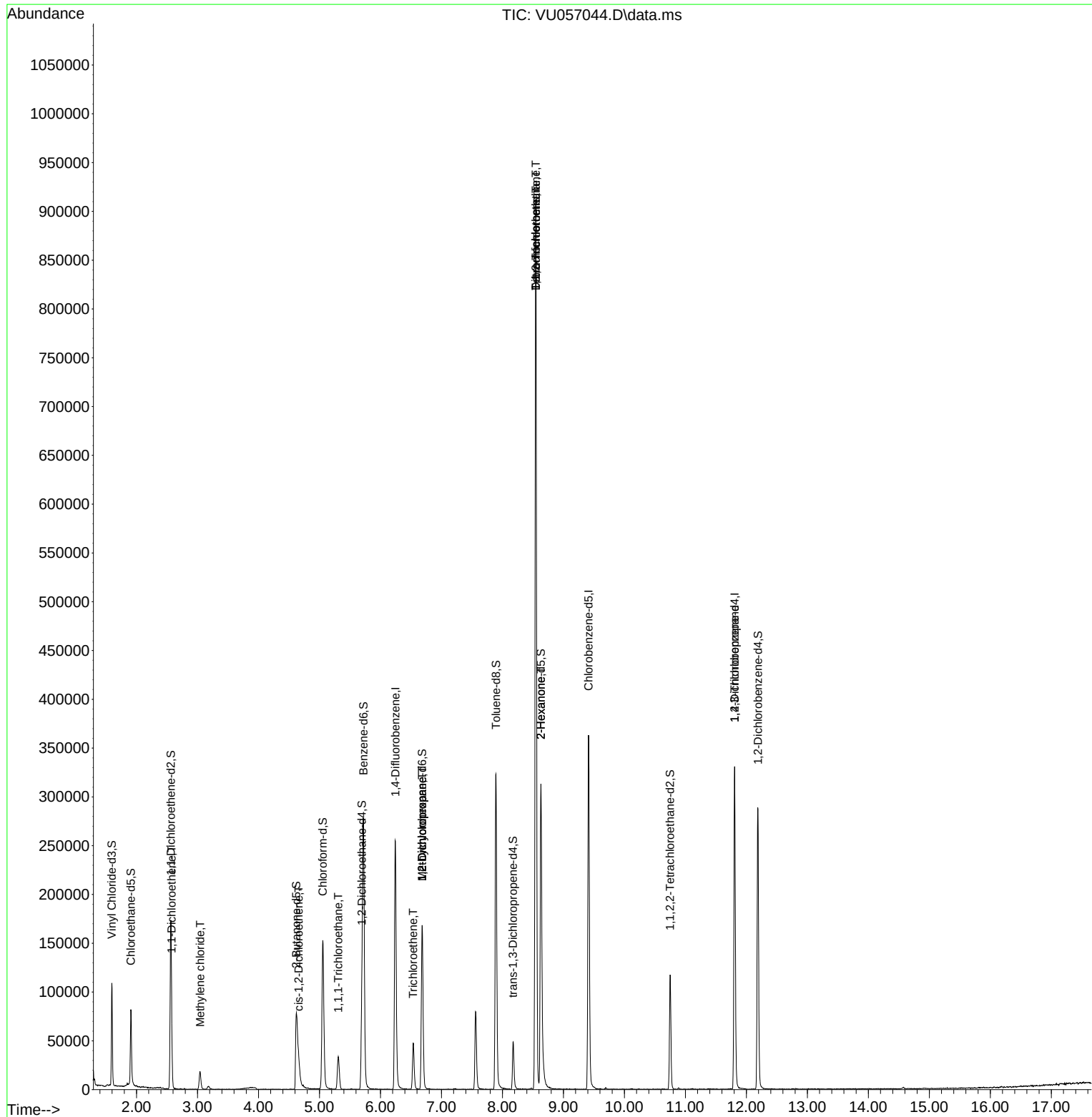
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	207514	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	208940	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88014	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	75723	4.257	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.200%
7) Chloroethane-d5	1.907	69	54917	4.126	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.563	65	31677	4.162	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.621	46	129386	36.833	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.660%
24) Chloroform-d	5.055	84	146505	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
26) 1,2-Dichloroethane-d4	5.695	65	70633	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.721	84	270595	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.682	67	81822	4.034	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.894	98	224741	3.880	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.600%
43) trans-1,3-Dichloroprop...	8.174	79	30333	3.856	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.200%
46) 2-Hexanone-d5	8.631	63	107840	36.348	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.700%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	58040	3.955	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	77519	4.480	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.576	96	6532	0.388	ug/L #	1
16) Methylene chloride	3.042	84	9366	0.510	ug/L	92
22) cis-1,2-Dichloroethene	4.660	96	6627	0.357	ug/L	90
29) 1,1,1-Trichloroethane	5.309	97	25264	0.836	ug/L	98
34) Trichloroethene	6.537	95	16494	0.819	ug/L	97
35) Methylcyclohexane	6.682	83	20348	0.685	ug/L #	17
37) 1,2-Dichloropropane	6.685	63	9054	0.482	ug/L #	89
45) 1,1,2-Trichloroethane	8.550	97	1708	0.134	ug/L #	1
47) Tetrachloroethene	8.547	164	196633	13.949	ug/L	96
48) 2-Hexanone	8.631	43	13943	2.195	ug/L #	73
49) Dibromochloromethane	8.547	129	200072	13.707	ug/L #	11
61) 1,2,3-Trichloropropane	11.807	75	10313	1.091	ug/L #	69

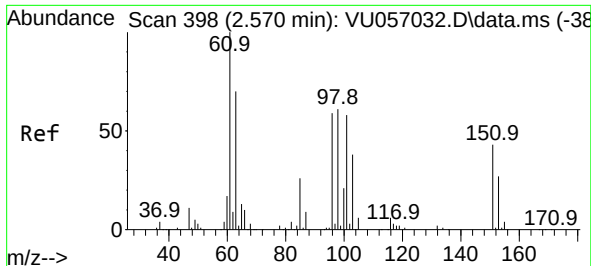
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.388 ug/L

RT: 2.576 min Scan# 40

Delta R.T. 0.007 min

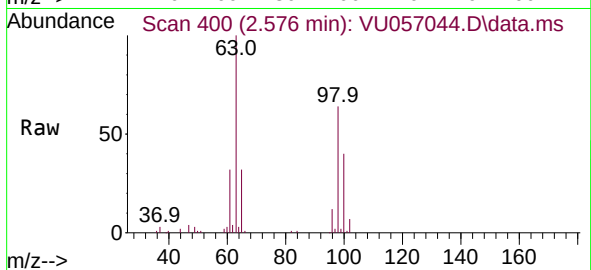
Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

Instrument :

MSVOA_U

ClientSampleId :



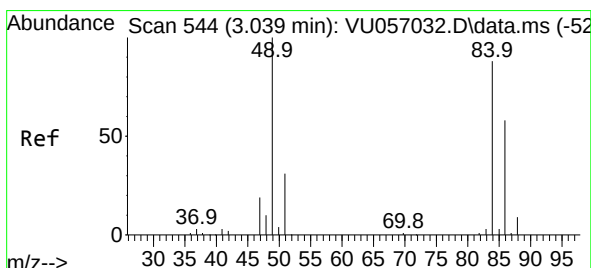
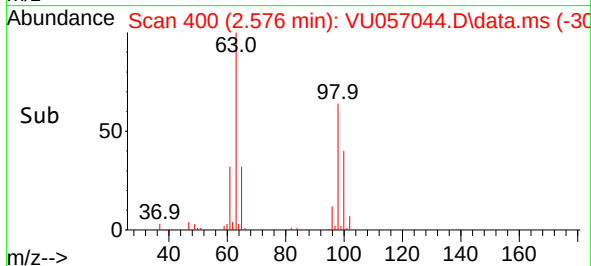
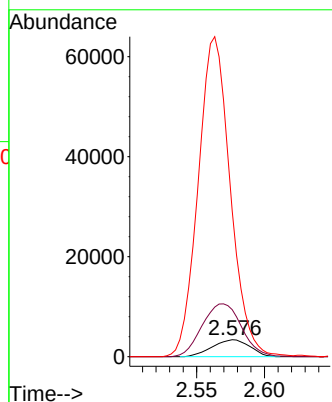
Tgt Ion: 96 Resp: 6532

Ion Ratio Lower Upper

96 100

61 277.5 119.0 221.0#

63 861.4 88.7 164.7#



#16

Methylene chloride

Concen: 0.510 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.003 min

Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

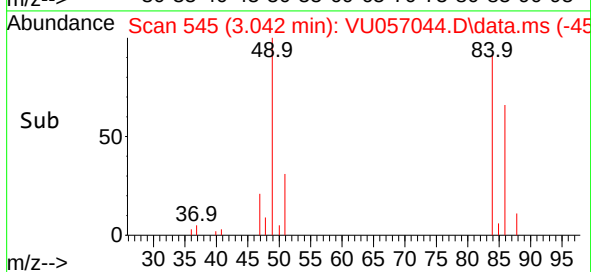
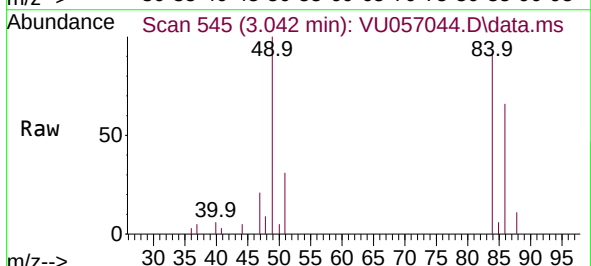
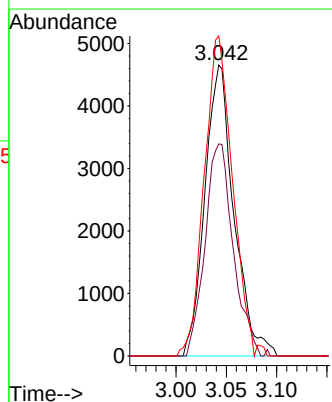
Tgt Ion: 84 Resp: 9366

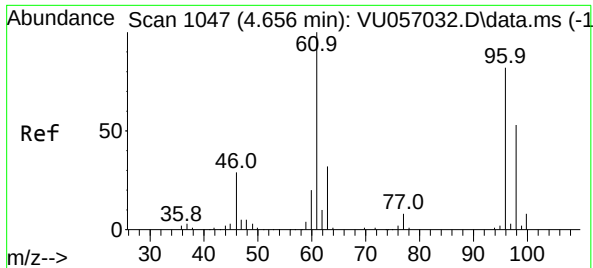
Ion Ratio Lower Upper

84 100

86 72.8 43.6 81.0

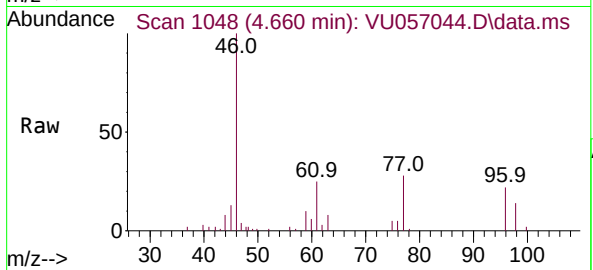
49 110.0 80.6 149.6





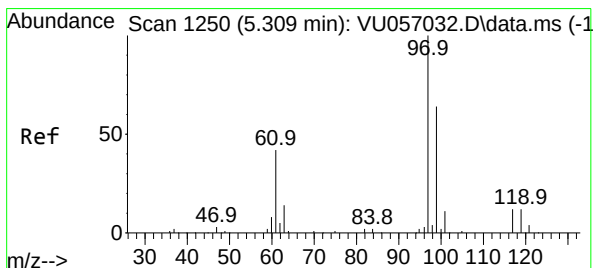
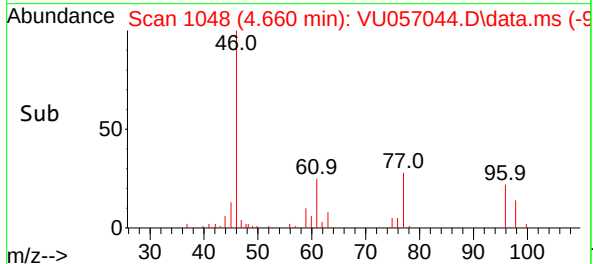
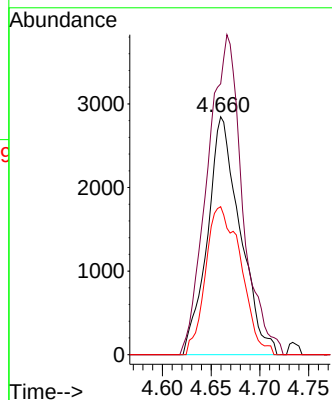
#22
 cis-1,2-Dichloroethene
 Concen: 0.357 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU057044.D
 Acq: 19 Dec 2023 15:09

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 6627

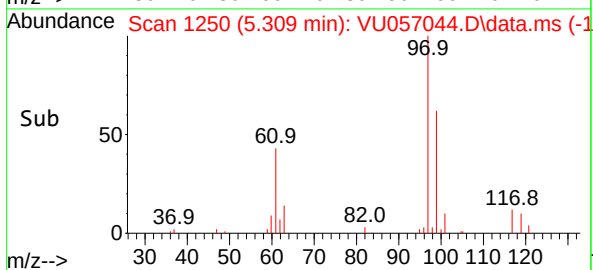
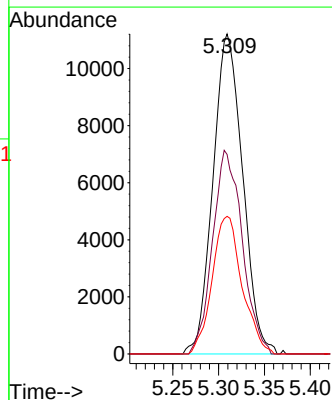
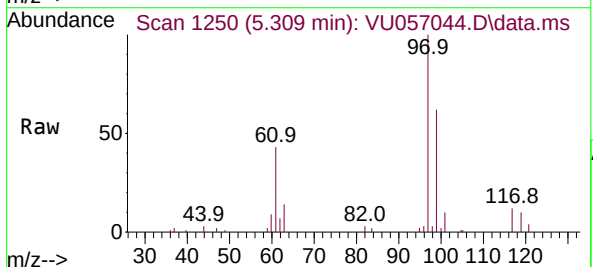
Ion	Ratio	Lower	Upper
96	100		
61	113.8	91.3	169.6
98	62.2	44.2	82.0

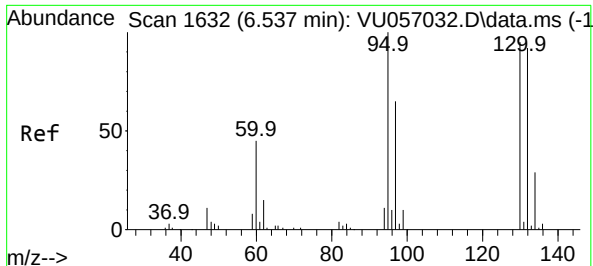


#29
 1,1,1-Trichloroethane
 Concen: 0.836 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. 0.000 min
 Lab File: VU057044.D
 Acq: 19 Dec 2023 15:09

Tgt Ion: 97 Resp: 25264

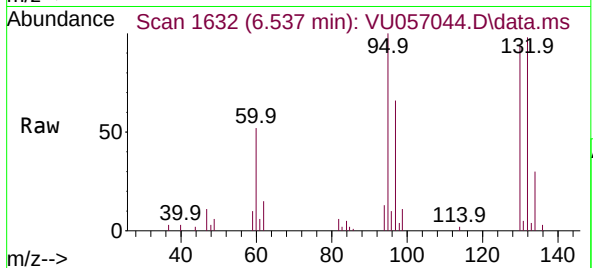
Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.5	78.7
61	43.4	34.2	51.2



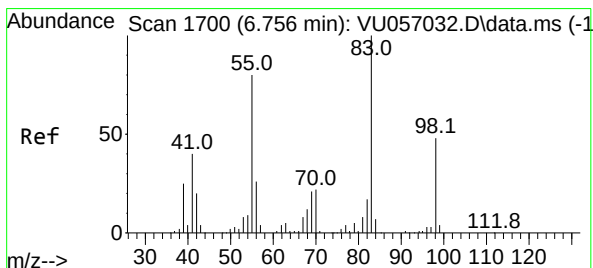
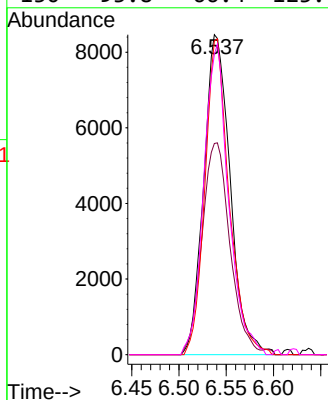
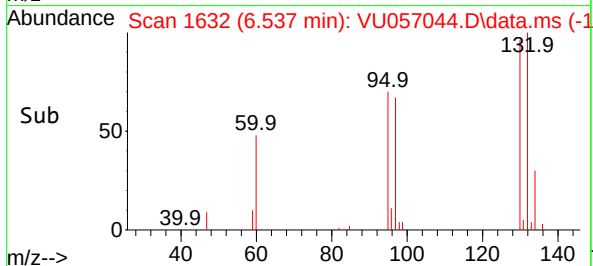


#34
Trichloroethene
Concen: 0.819 ug/L
RT: 6.537 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VU057044.D
Acq: 19 Dec 2023 15:09

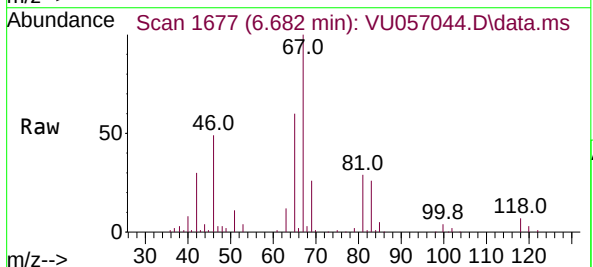
Instrument :
MSVOA_U
ClientSampleId :



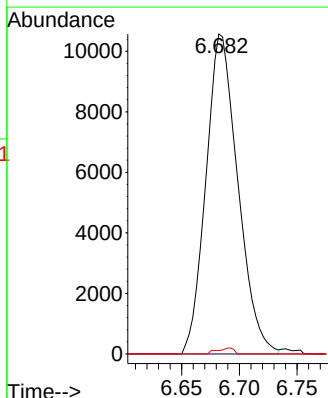
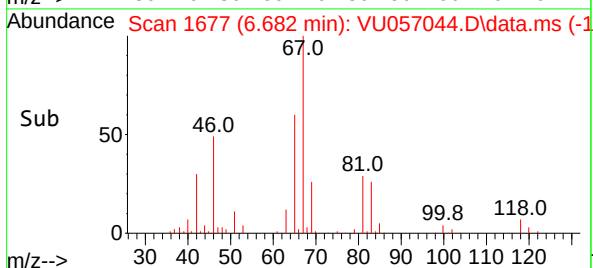
Tgt Ion:	95	Resp:	16494
Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.1	85.5
132	98.0	63.6	118.0
130	93.8	66.4	123.4

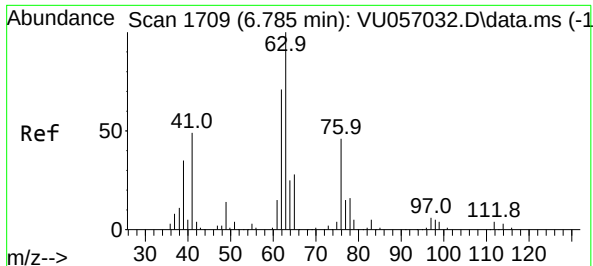


#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU057044.D
Acq: 19 Dec 2023 15:09



Tgt Ion:	83	Resp:	20348
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	1.0	36.1	54.1#





#37

1,2-Dichloropropane

Concen: 0.482 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

Instrument :

MSVOA_U

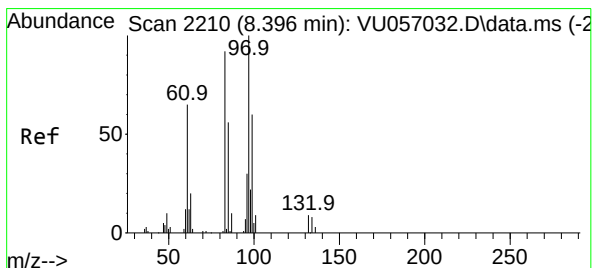
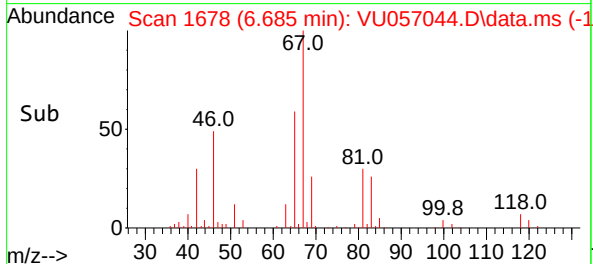
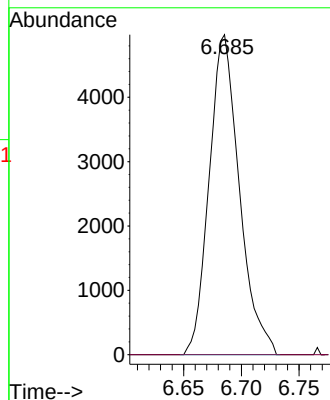
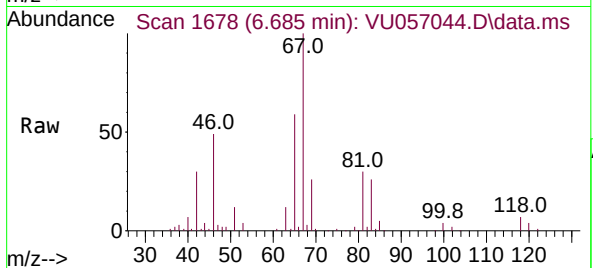
ClientSampleId :

Tgt Ion: 63 Resp: 9054

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#45

1,1,2-Trichloroethane

Concen: 0.134 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.154 min

Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

Tgt Ion: 97 Resp: 1708

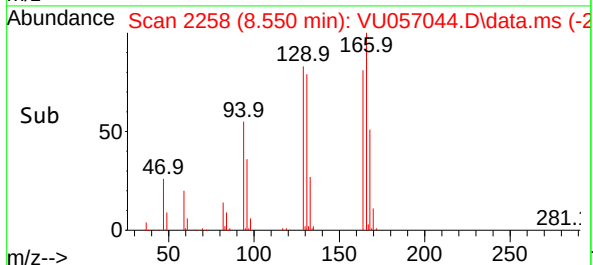
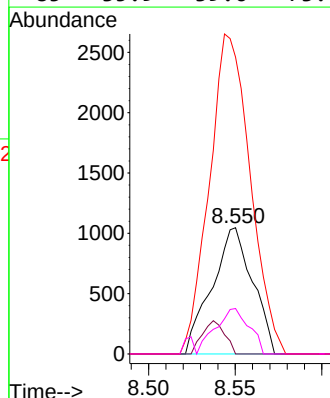
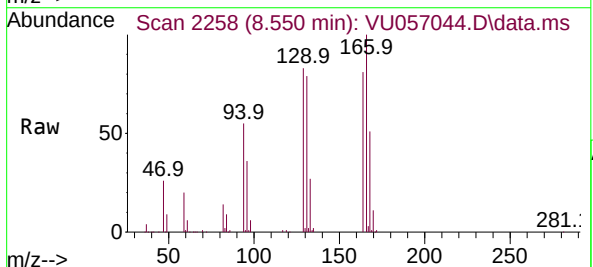
Ion Ratio Lower Upper

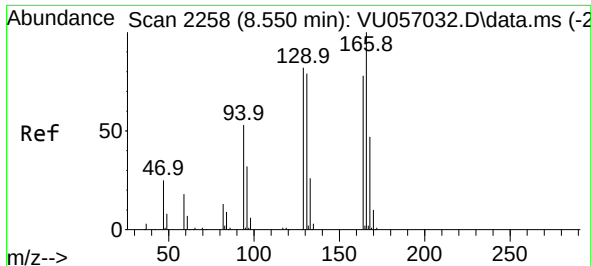
97 100

99 0.0 41.9 77.9#

83 235.1 59.1 109.7#

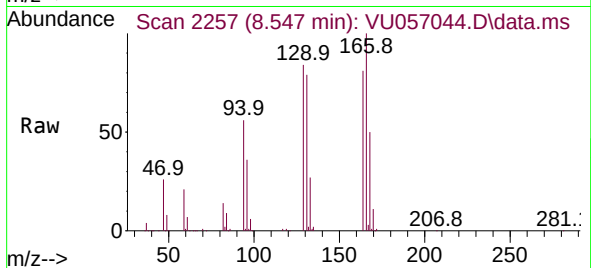
85 35.9 39.6 73.6#



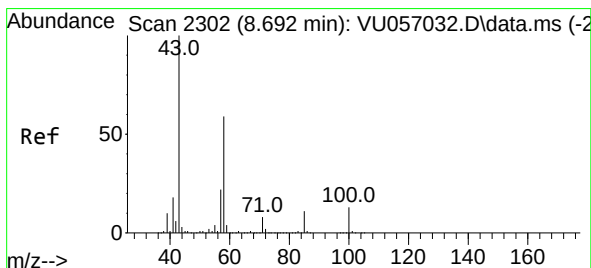
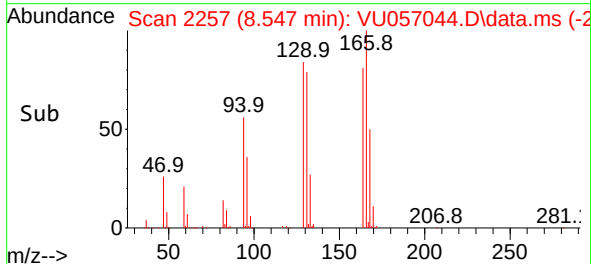
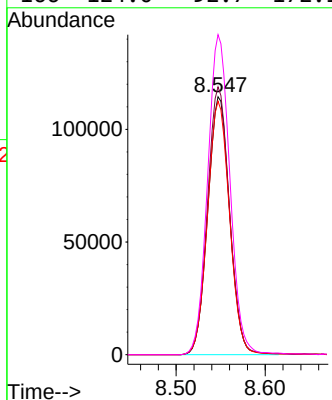


#47
Tetrachloroethene
Concen: 13.949 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057044.D
Acq: 19 Dec 2023 15:09

Instrument :
MSVOA_U
ClientSampleId :

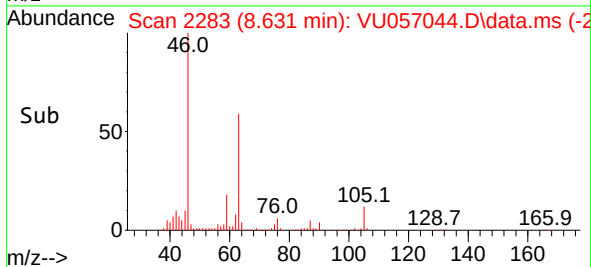
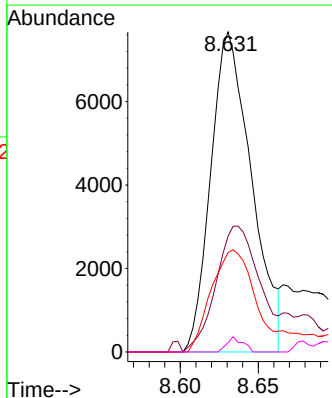
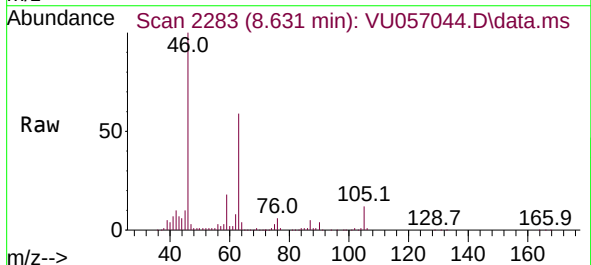


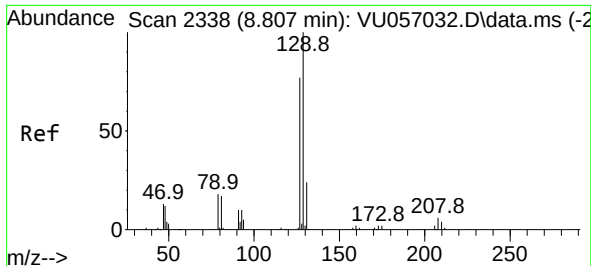
Tgt Ion:164 Resp: 196633
Ion Ratio Lower Upper
164 100
129 103.9 73.4 136.4
131 98.3 71.5 132.9
166 124.0 92.7 172.1



#48
2-Hexanone
Concen: 2.195 ug/L
RT: 8.631 min Scan# 2283
Delta R.T. -0.061 min
Lab File: VU057044.D
Acq: 19 Dec 2023 15:09

Tgt Ion: 43 Resp: 13943
Ion Ratio Lower Upper
43 100
58 42.1 47.5 71.3#
57 38.8 17.0 25.4#
100 1.8 9.8 14.8#





#49

Dibromochloromethane

Concen: 13.707 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

Instrument :

MSVOA_U

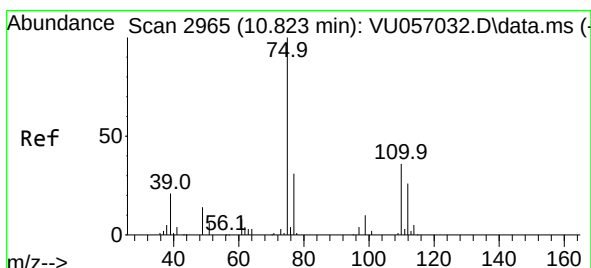
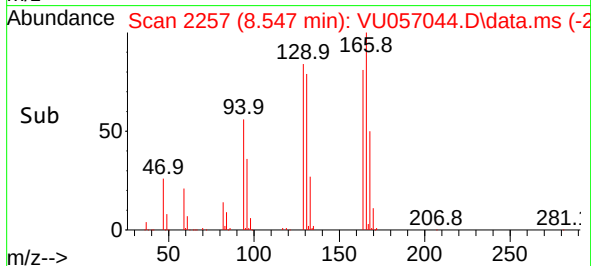
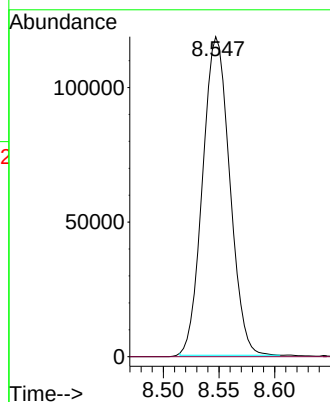
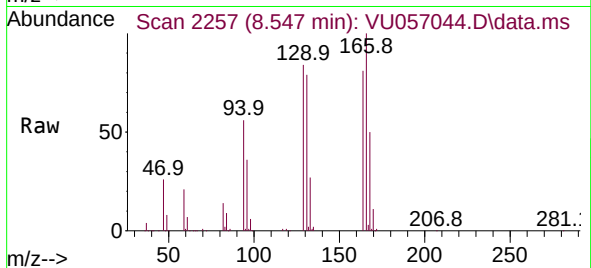
ClientSampleId :

Tgt Ion:129 Resp: 200072

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#



#61

1,2,3-Trichloropropane

Concen: 1.091 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.984 min

Lab File: VU057044.D

Acq: 19 Dec 2023 15:09

Tgt Ion: 75 Resp: 10313

Ion Ratio Lower Upper

75 100

110 3.1 28.4 42.6#

77 35.4 26.3 39.5

