

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
 Data File : VU057533.D
 Acq On : 15 Jan 2024 16:37
 Operator : MD/SY
 Sample : P1120-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 00:37:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 00:31:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	185180	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	181433	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	68026	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	87558	4.660	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.200%
7) Chloroethane-d5	1.911	69	87096	5.958	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.200%
11) 1,1-Dichloroethene-d2	2.560	65	34166	4.300	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.650	46	211888	59.623	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.240%
24) Chloroform-d	5.055	84	199716	6.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.000%
26) 1,2-Dichloroethane-d4	5.695	65	110765	7.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	141.600%#
32) Benzene-d6	5.721	84	348405	5.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
36) 1,2-Dichloropropane-d6	6.685	67	126026	6.109	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.200%
41) Toluene-d8	7.894	98	212183	3.798	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.174	79	28182	3.929	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.631	63	123384	47.509	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	91160	6.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.800%#
66) 1,2-Dichlorobenzene-d4	12.187	152	79390	5.811	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	1950	0.124	ug/L	90
5) Vinyl chloride	1.602	62	2246	0.161	ug/L #	1
8) Chloroethane	1.930	64	5427	0.623	ug/L #	69
12) 1,1-Dichloroethene	2.576	96	362701	33.523	ug/L #	62
14) Carbon disulfide	2.788	76	39292	1.300	ug/L	99
15) Methyl Acetate	2.968	43	8539	1.768	ug/L	98
16) Methylene chloride	3.046	84	8871	0.606	ug/L	88
17) Methyl tert-butyl Ether	3.361	73	2658	0.099	ug/L #	89
18) trans-1,2-Dichloroethene	3.351	96	9937	0.925	ug/L	97
19) 1,1-Dichloroethane	3.859	63	1132548	46.739	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	2038681	163.071	ug/L	97
27) 1,2-Dichloroethane	5.795	62	6884	0.455	ug/L	100
34) Trichloroethene	6.534	95	1812549	129.441	ug/L	99
35) Methylcyclohexane	6.682	83	28339	1.522	ug/L #	15
42) Toluene	7.968	91	7663	0.146	ug/L	83
47) Tetrachloroethene	8.547	164	7607	0.818	ug/L	97
49) Dibromochloromethane	8.550	129	7838	0.749	ug/L #	10
61) 1,2,3-Trichloropropane	11.807	75	8477	1.332	ug/L #	65

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Quant Time: Jan 16 00:37:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 16 00:31:32 2024
Response via : Initial Calibration

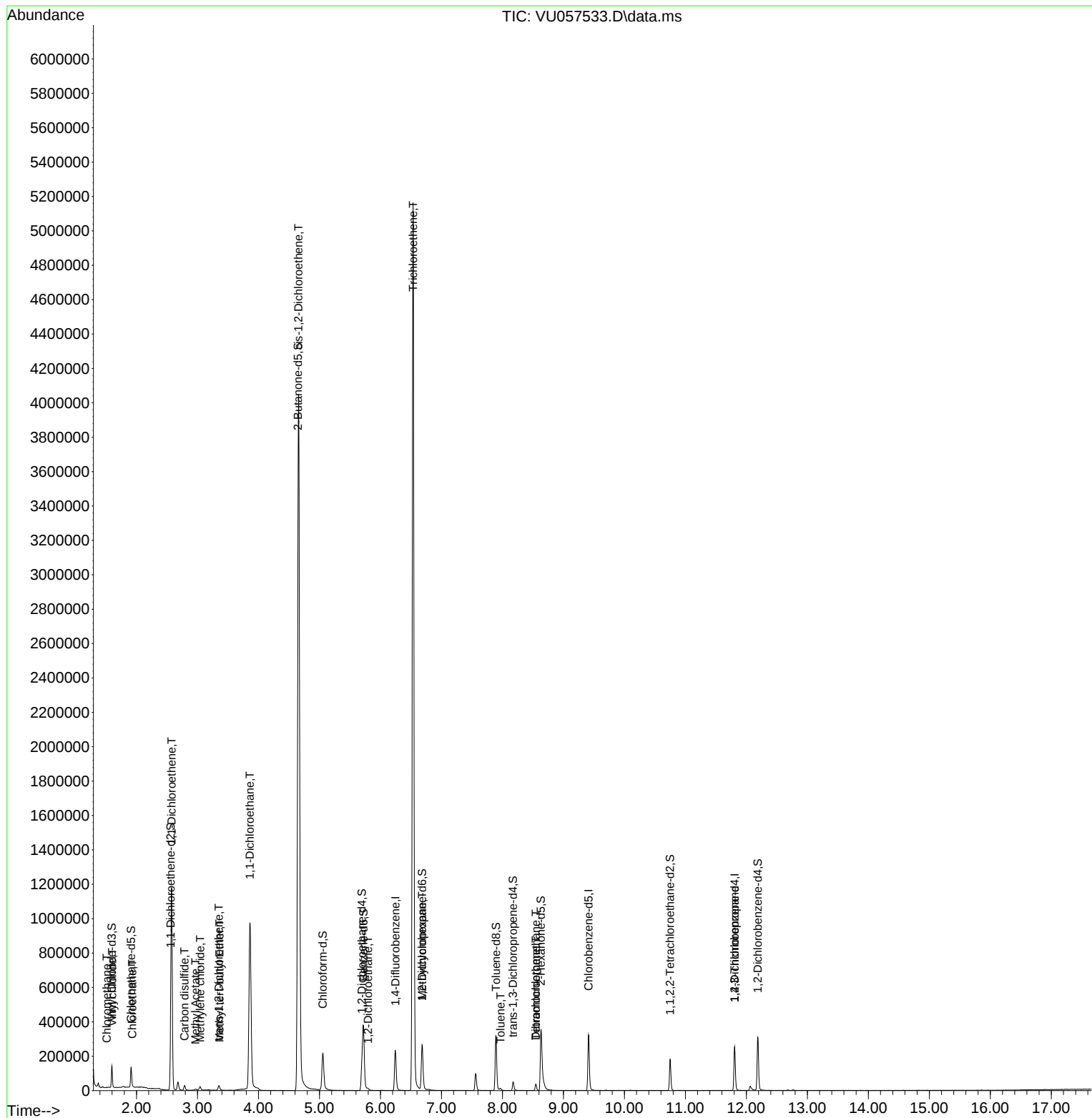
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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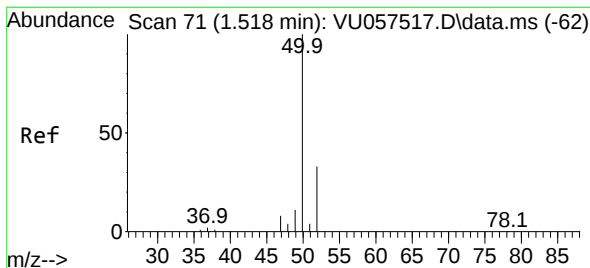
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.124 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Instrument :

MSVOA_U

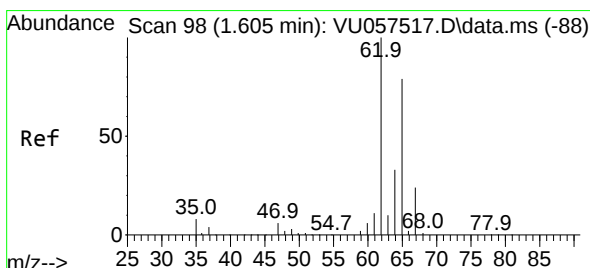
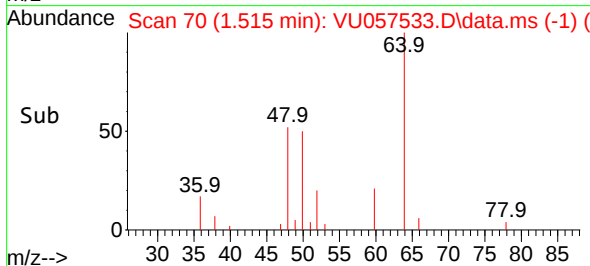
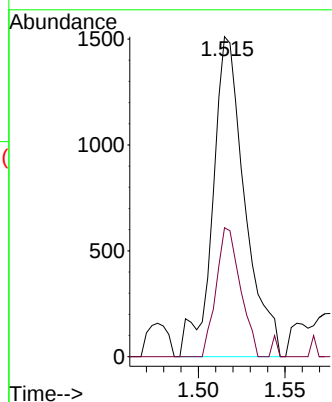
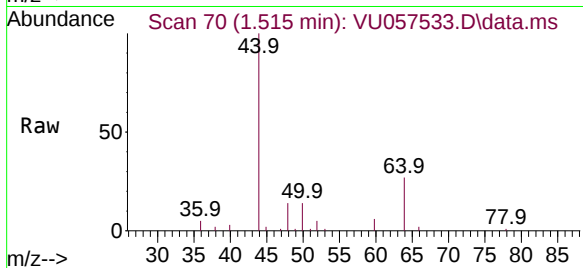
ClientSampleId :

Tgt Ion: 50 Resp: 1950

Ion Ratio Lower Upper

50 100

52 40.3 24.1 44.7



#5

Vinyl chloride

Concen: 0.161 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.003 min

Lab File: VU057533.D

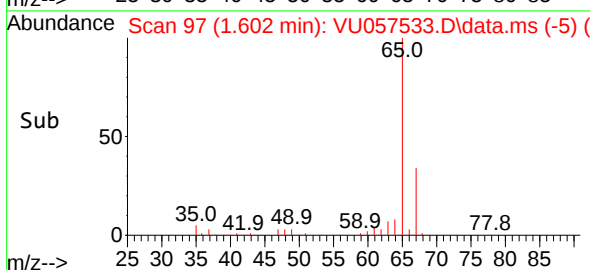
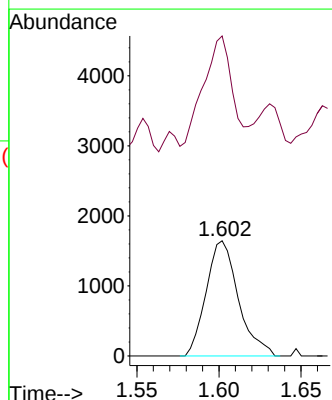
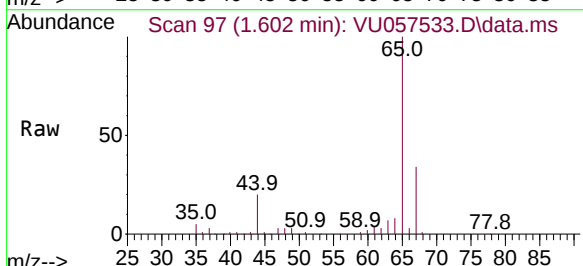
Acq: 15 Jan 2024 16:37

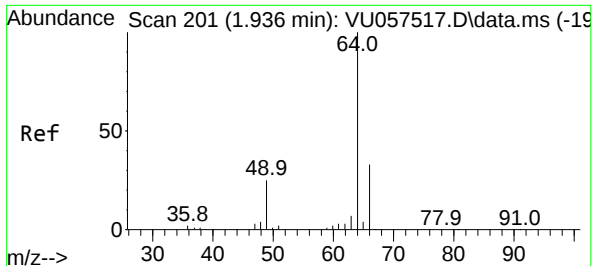
Tgt Ion: 62 Resp: 2246

Ion Ratio Lower Upper

62 100

64 277.6 22.9 42.5#

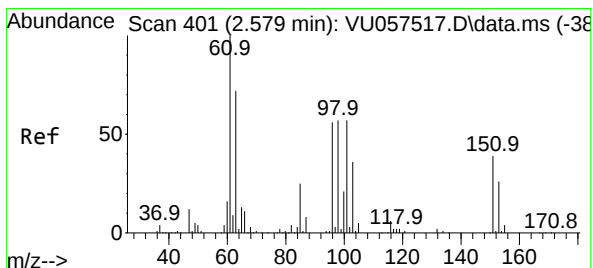
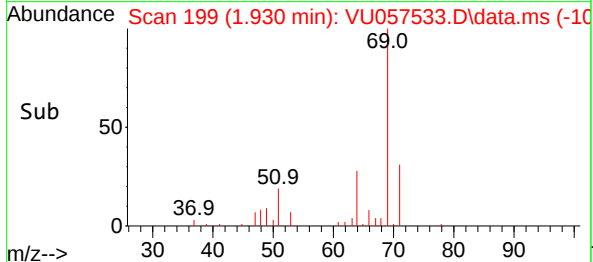
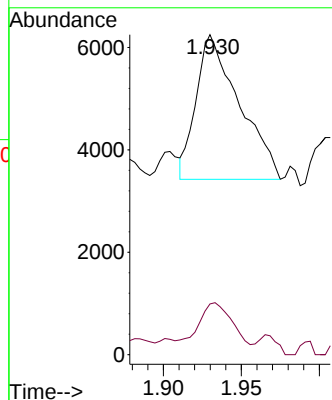
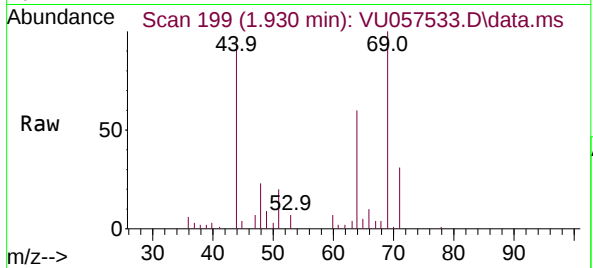




#8
Chloroethane
Concen: 0.623 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.006 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

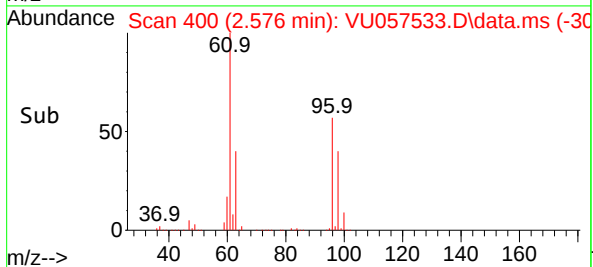
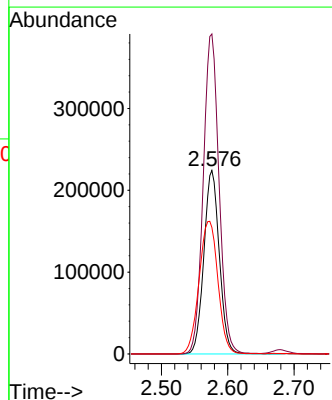
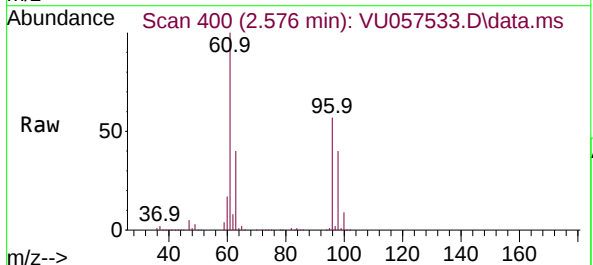
Instrument :
MSVOA_U
ClientSampleId :

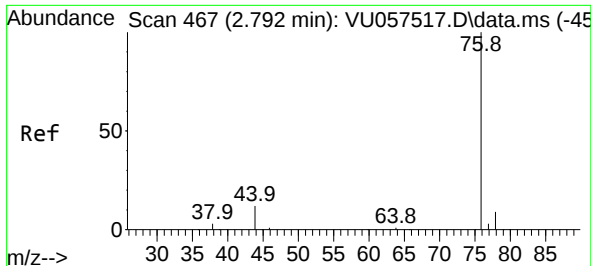
Tgt Ion: 64 Resp: 5427
Ion Ratio Lower Upper
64 100
66 15.9 23.3 43.3#



#12
1,1-Dichloroethene
Concen: 33.523 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

Tgt Ion: 96 Resp: 362701
Ion Ratio Lower Upper
96 100
61 174.4 130.9 243.1
63 69.0 114.8 213.2#

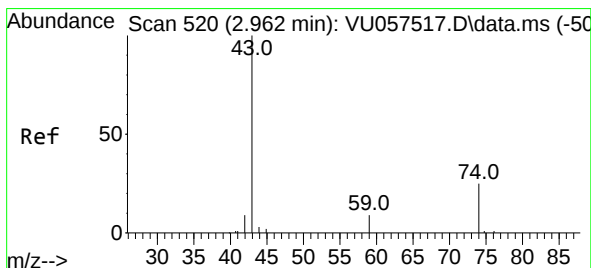
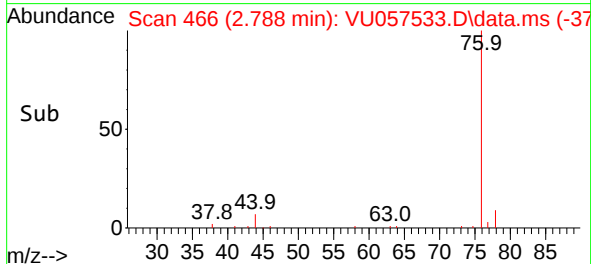
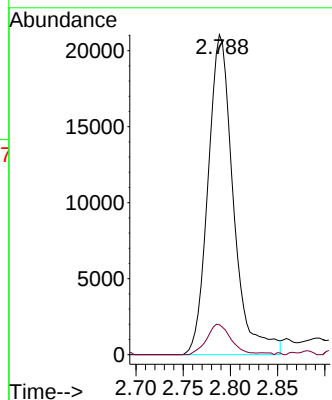
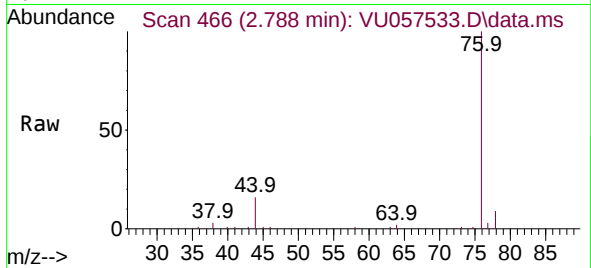




#14
Carbon disulfide
Concen: 1.300 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.003 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

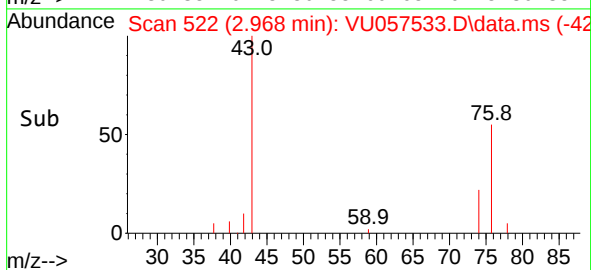
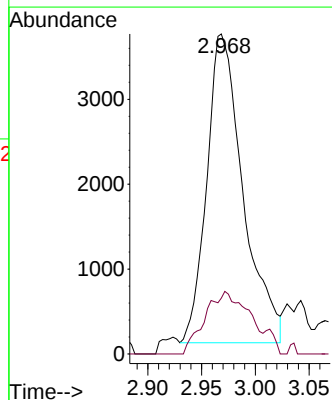
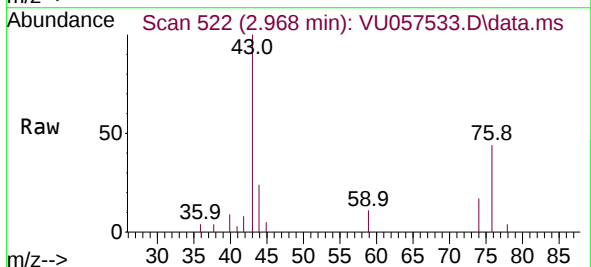
Instrument :
MSVOA_U
ClientSampleId :

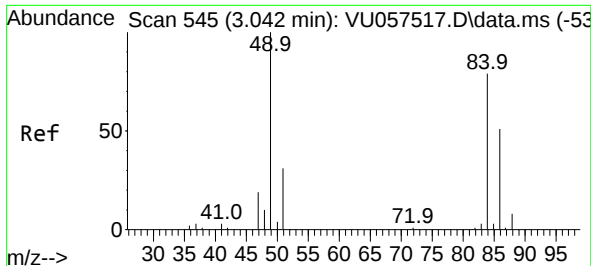
Tgt Ion: 76 Resp: 39292
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#15
Methyl Acetate
Concen: 1.768 ug/L
RT: 2.968 min Scan# 522
Delta R.T. 0.006 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

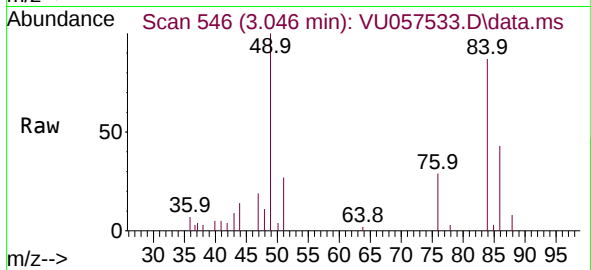
Tgt Ion: 43 Resp: 8539
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8



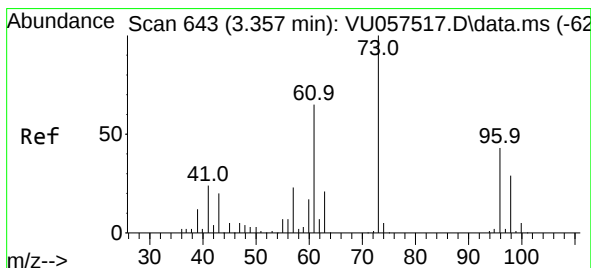
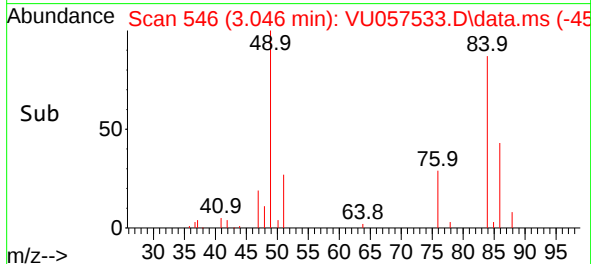
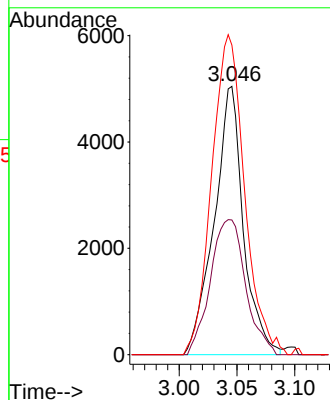


#16
Methylene chloride
Concen: 0.606 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

Instrument :
MSVOA_U
ClientSampleId :

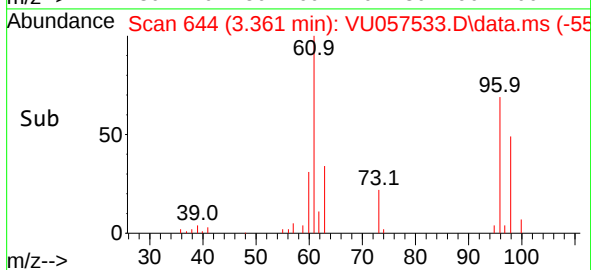
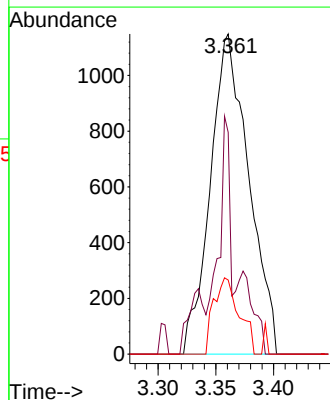
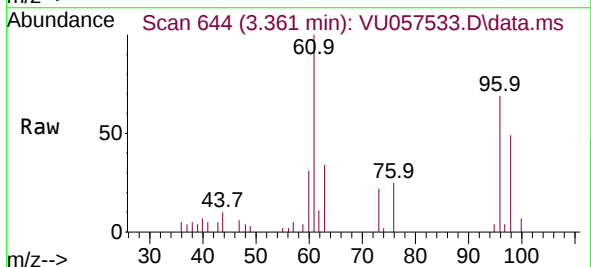


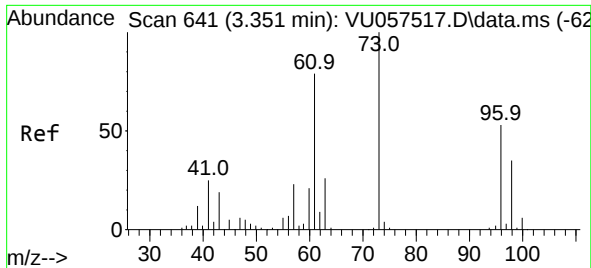
Tgt Ion: 84 Resp: 8871
Ion Ratio Lower Upper
84 100
86 50.2 45.8 85.2
49 115.4 86.7 161.1



#17
Methyl tert-butyl Ether
Concen: 0.099 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

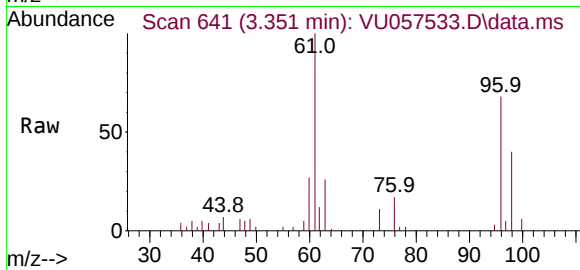
Tgt Ion: 73 Resp: 2658
Ion Ratio Lower Upper
73 100
43 23.6 16.1 24.1
57 15.8 18.2 27.4#





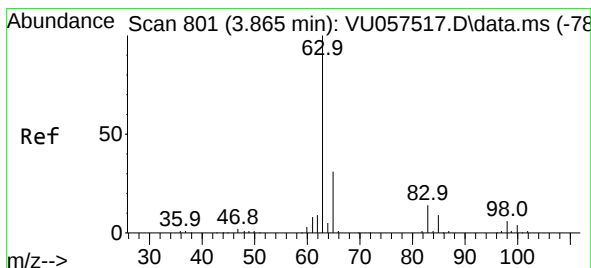
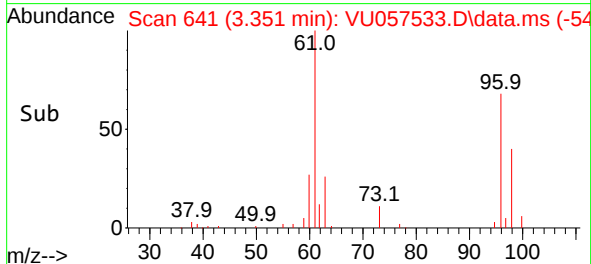
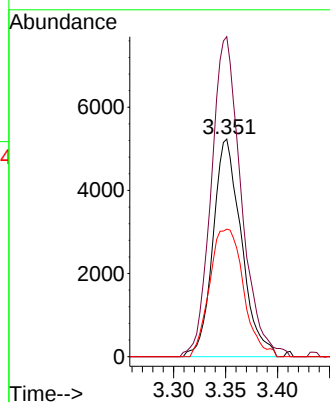
#18
trans-1,2-Dichloroethene
Concen: 0.925 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

Instrument :
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ClientSampleId :



Tgt Ion: 96 Resp: 9937

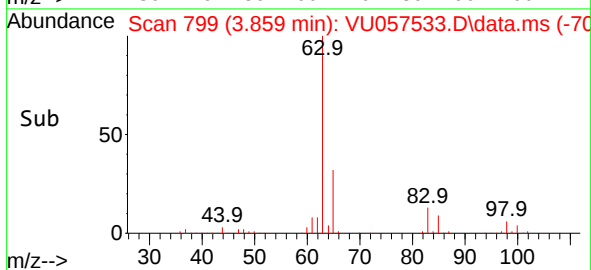
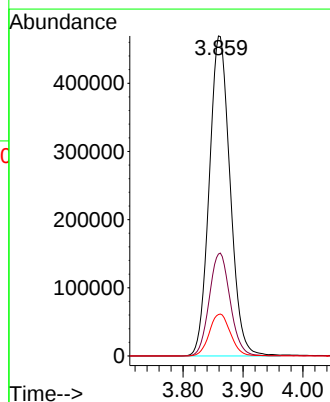
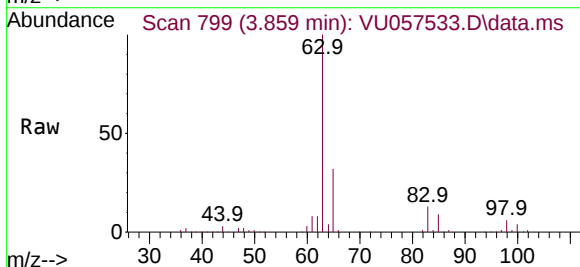
Ion	Ratio	Lower	Upper
96	100		
61	147.1	105.1	195.3
98	58.6	43.7	81.1

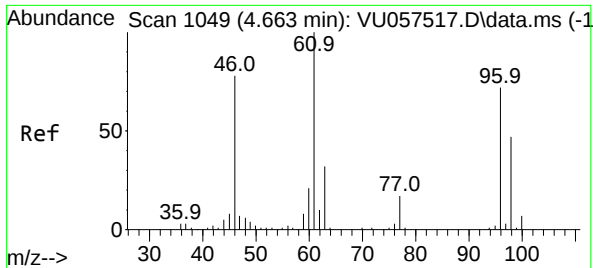


#19
1,1-Dichloroethane
Concen: 46.739 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.006 min
Lab File: VU057533.D
Acq: 15 Jan 2024 16:37

Tgt Ion: 63 Resp: 1132548

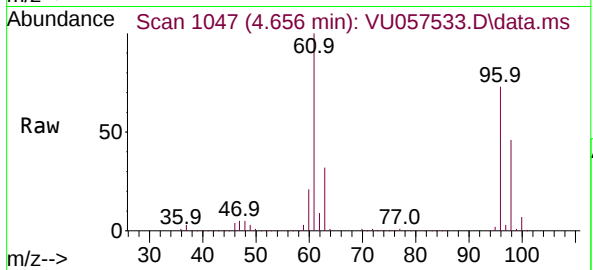
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.3
83	13.0	9.1	16.9





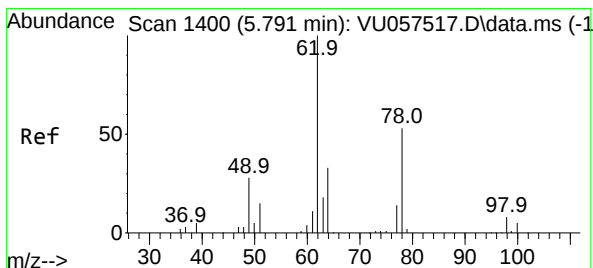
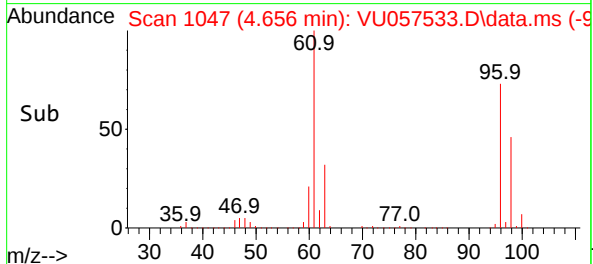
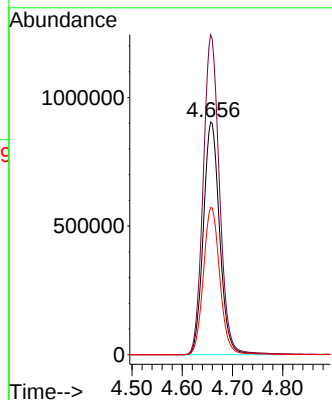
#22
 cis-1,2-Dichloroethene
 Concen: 163.071 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.006 min
 Lab File: VU057533.D
 Acq: 15 Jan 2024 16:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 2038681

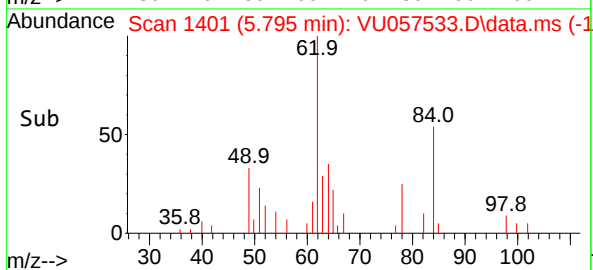
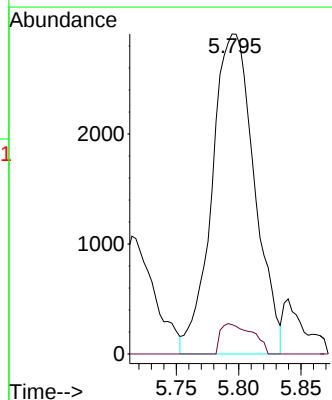
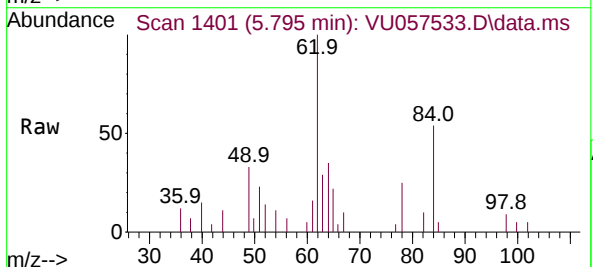
Ion	Ratio	Lower	Upper
96	100		
61	137.6	93.4	173.4
98	63.3	44.9	83.3

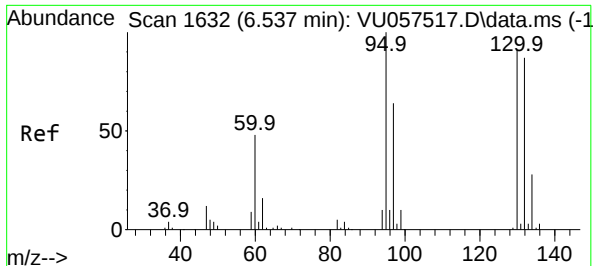


#27
 1,2-Dichloroethane
 Concen: 0.455 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.003 min
 Lab File: VU057533.D
 Acq: 15 Jan 2024 16:37

Tgt Ion: 62 Resp: 6884

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.0





#34

Trichloroethene

Concen: 129.441 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 1812549

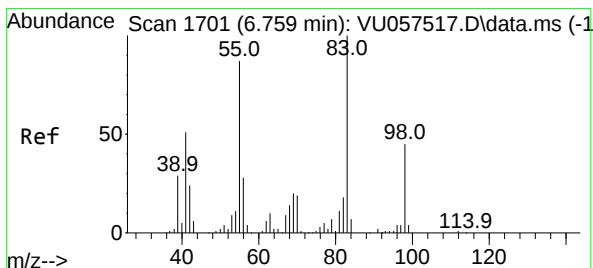
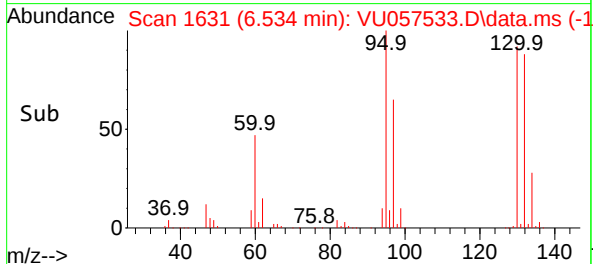
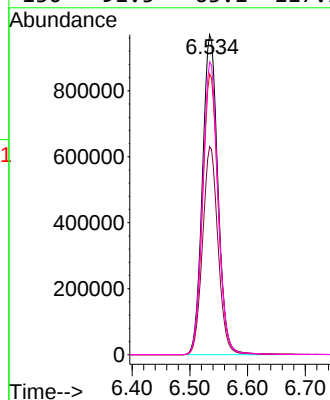
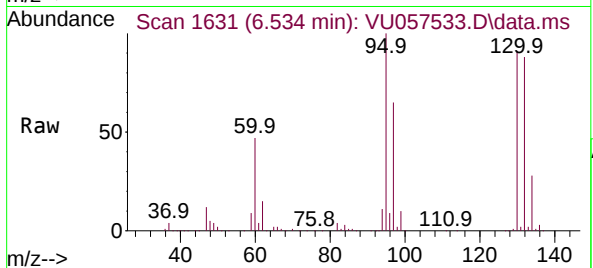
Ion Ratio Lower Upper

95 100

97 65.0 45.0 83.6

132 87.8 61.7 114.5

130 91.5 63.1 117.3



#35

Methylcyclohexane

Concen: 1.522 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.077 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

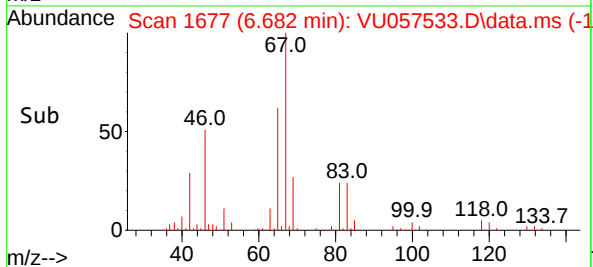
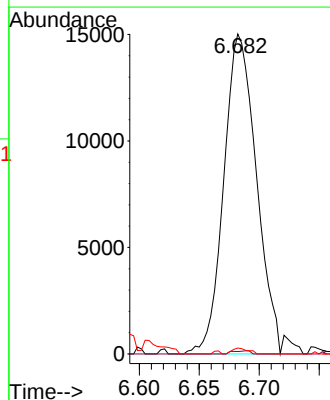
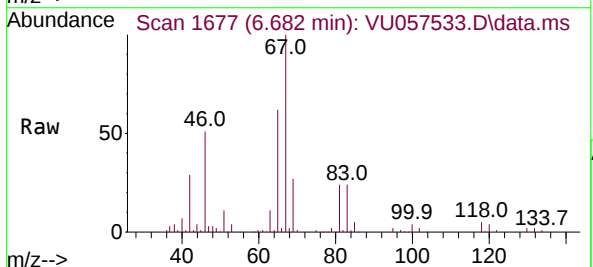
Tgt Ion: 83 Resp: 28339

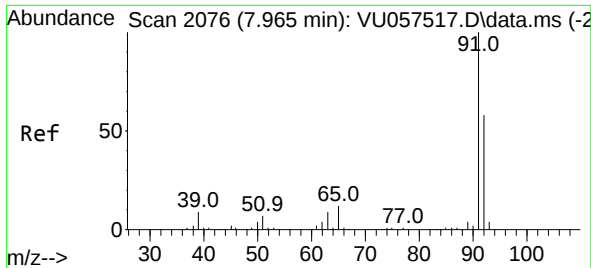
Ion Ratio Lower Upper

83 100

55 0.5 68.7 103.1#

98 0.0 36.3 54.5#





#42

Toluene

Concen: 0.146 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Instrument :

MSVOA_U

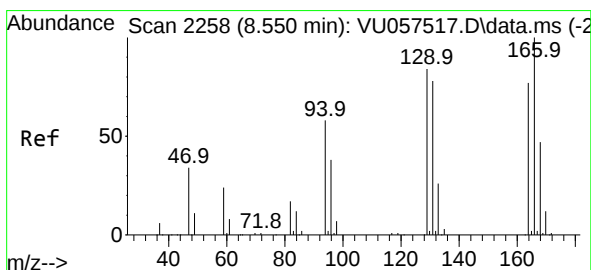
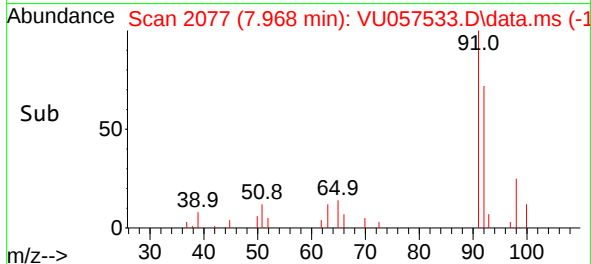
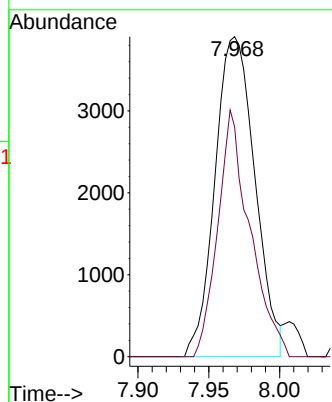
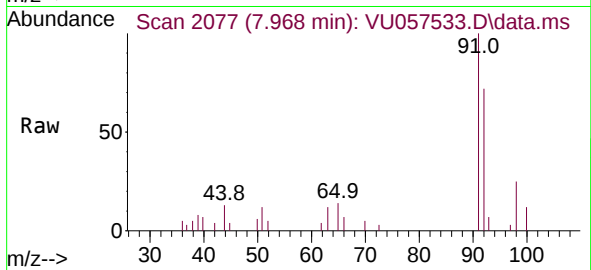
ClientSampleId :

Tgt Ion: 91 Resp: 7663

Ion Ratio Lower Upper

91 100

92 71.8 41.2 76.4



#47

Tetrachloroethene

Concen: 0.818 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Tgt Ion: 164 Resp: 7607

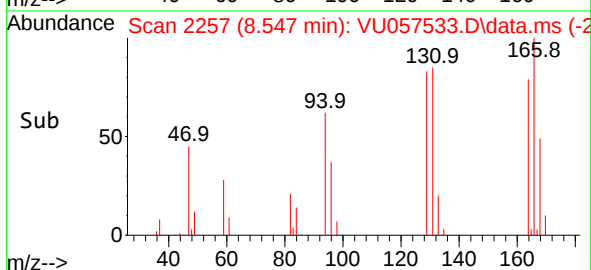
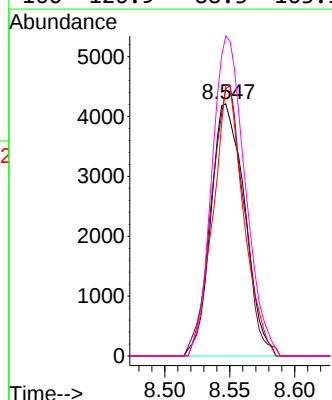
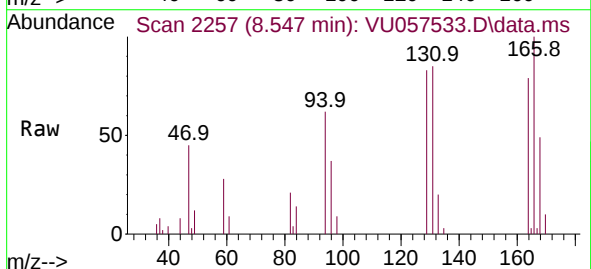
Ion Ratio Lower Upper

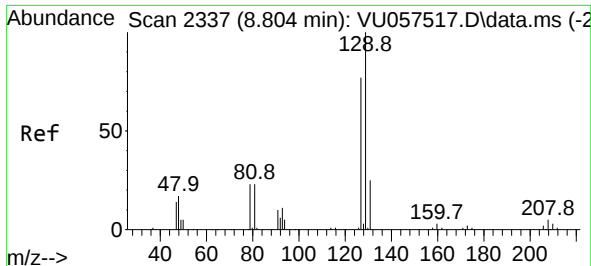
164 100

129 106.0 74.8 138.8

131 107.7 70.3 130.7

166 126.9 88.3 163.9





#49

Dibromochloromethane

Concen: 0.749 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Instrument :

MSVOA_U

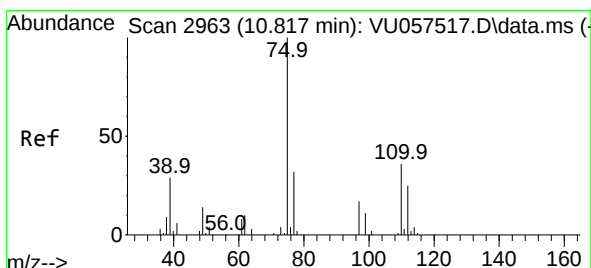
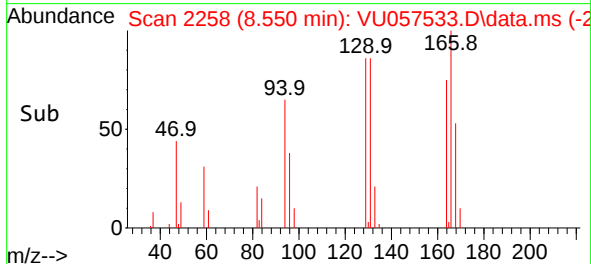
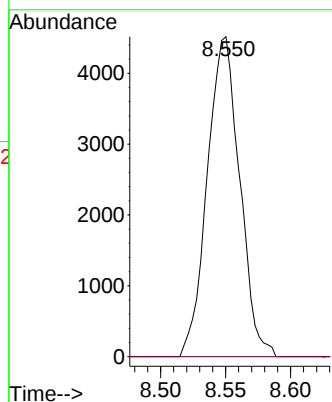
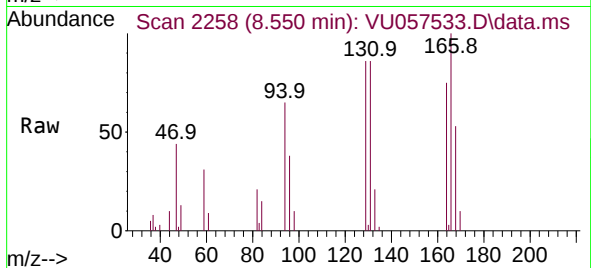
ClientSampleId :

Tgt Ion:129 Resp: 7838

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.332 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.990 min

Lab File: VU057533.D

Acq: 15 Jan 2024 16:37

Tgt Ion: 75 Resp: 8477

Ion Ratio Lower Upper

75 100

110 1.3 29.4 44.0#

77 37.5 26.2 39.4

