

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058449.D
 Acq On : 06 Apr 2024 03:19
 Operator : MD/SY
 Sample : P1948-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 06:01:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 06 00:37:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	85158	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	79355	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	34243	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22242	3.945	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.904	69	20861	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.557	65	15817	6.198	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	124.000%
20) 2-Butanone-d5	4.653	46	50026	42.104	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.200%
24) Chloroform-d	5.055	84	52254	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.698	65	24410	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	101981	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.682	67	31856	4.755	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.891	98	83202	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.174	79	9976	4.797	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.000%
46) 2-Hexanone-d5	8.631	63	39853	46.459	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	21555	4.557	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	26572	4.607	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.200%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.596	62	13043	1.503	ug/L	96
8) Chloroethane	1.927	64	1182	0.216	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	43064	6.326	ug/L #	33
16) Methylene chloride	3.036	84	2932	0.366	ug/L	88
19) 1,1-Dichloroethane	3.859	63	5282549	382.630	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	2493	0.351	ug/L	95
25) Chloroform	5.084	83	32757	2.451	ug/L	97
27) 1,2-Dichloroethane	5.788	62	44710	5.495	ug/L	97
30) Cyclohexane	5.383	56	779	0.069	ug/L #	8
31) Carbon tetrachloride	5.354	117	11628463	1290.576	ug/L	100
34) Trichloroethene	6.534	95	722341	99.620	ug/L	97
35) Methylcyclohexane	6.682	83	6973	0.638	ug/L #	16
42) Toluene	7.968	91	3823	0.127	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	2066	0.467	ug/L	88
47) Tetrachloroethene	8.547	164	12571	2.365	ug/L	98
49) Dibromochloromethane	8.547	129	12767	2.498	ug/L #	11
61) 1,2,3-Trichloropropane	10.338	75	507	0.145	ug/L #	70

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 06 00:37:11 2024
Response via : Initial Calibration

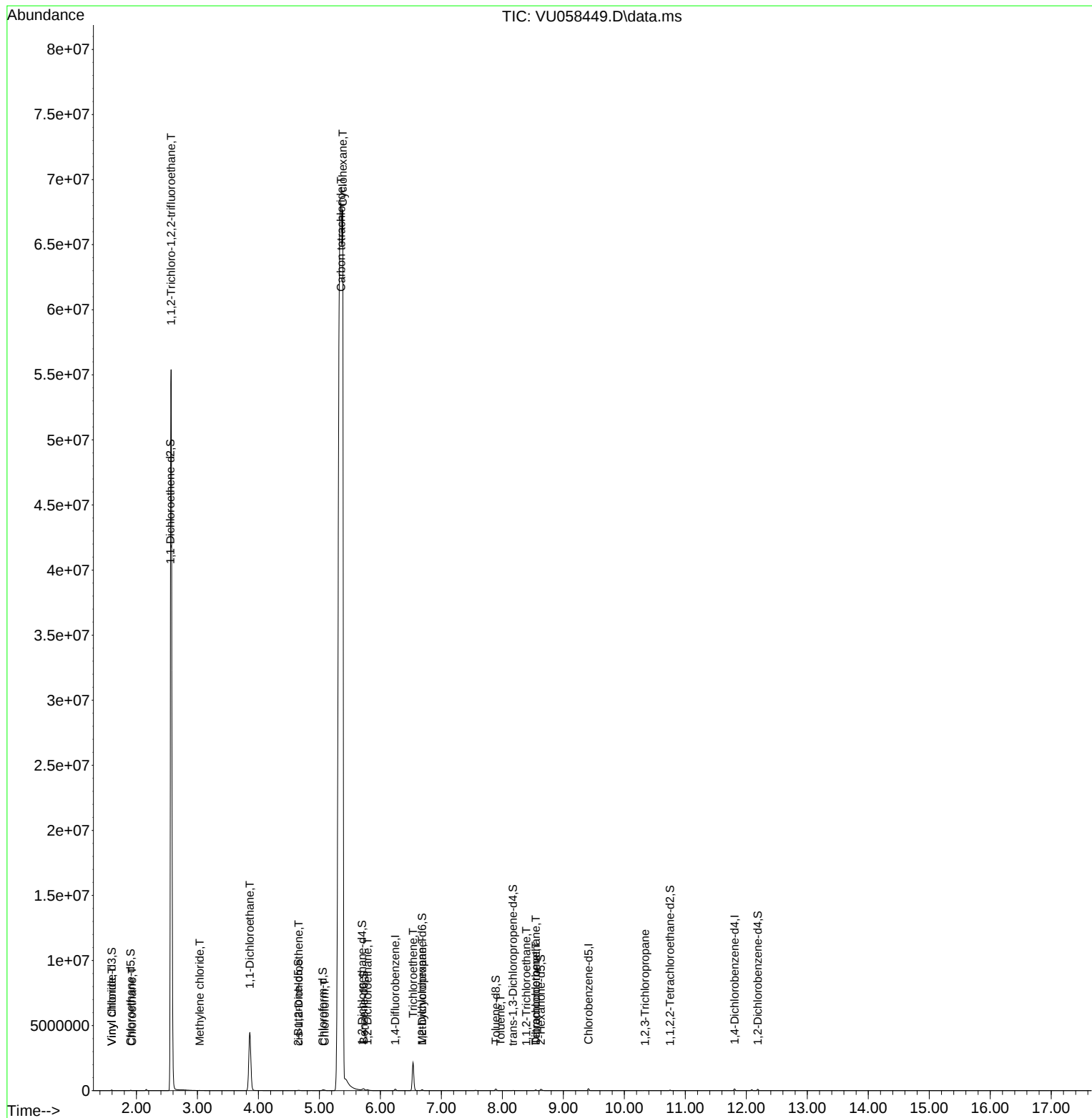
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

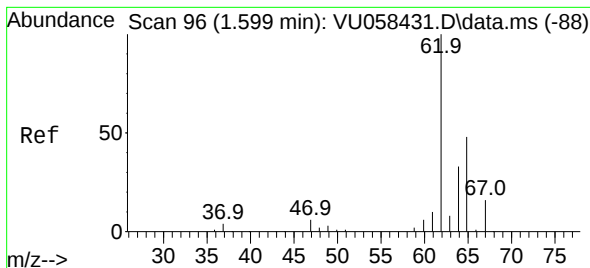
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#5

Vinyl chloride

Concen: 1.503 ug/L

RT: 1.596 min Scan# 90

Delta R.T. -0.003 min MSVOA_U

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA_U

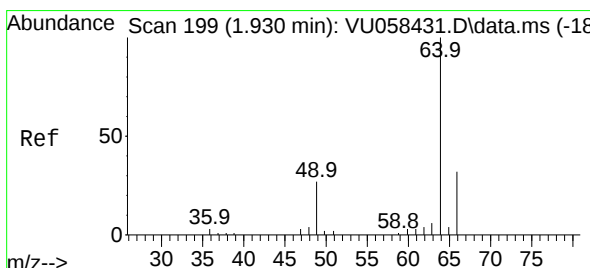
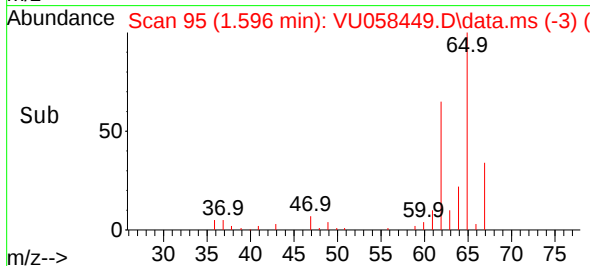
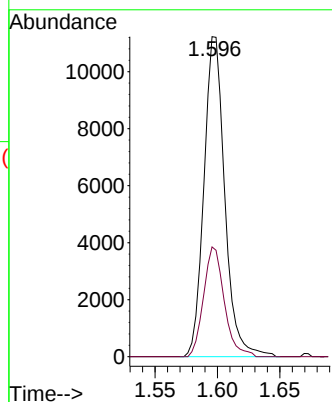
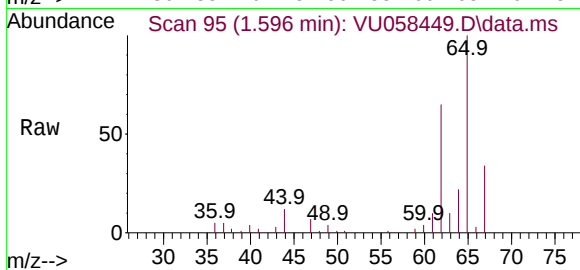
ClientSampleId :

Tgt Ion: 62 Resp: 13043

Ion Ratio Lower Upper

62 100

64 34.3 22.6 42.0



#8

Chloroethane

Concen: 0.216 ug/L

RT: 1.927 min Scan# 198

Delta R.T. -0.003 min

Lab File: VU058449.D

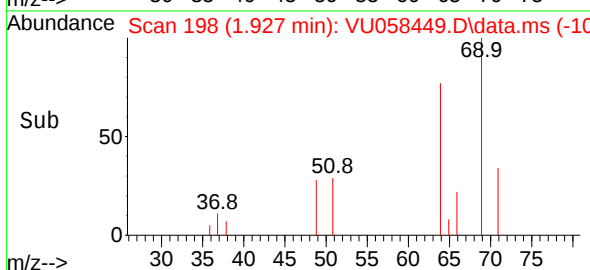
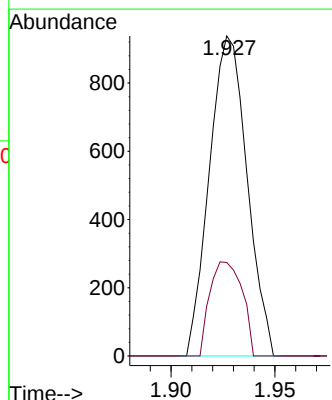
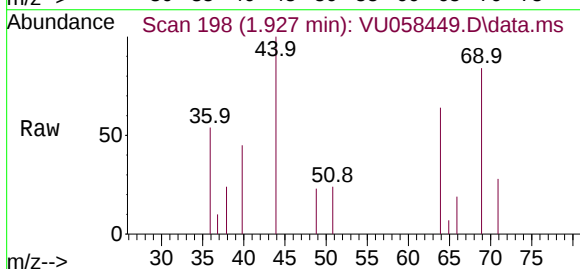
Acq: 06 Apr 2024 03:19

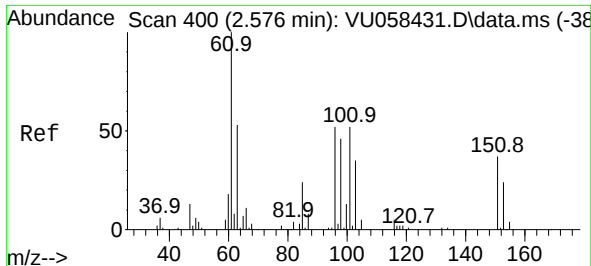
Tgt Ion: 64 Resp: 1182

Ion Ratio Lower Upper

64 100

66 29.2 22.5 41.9

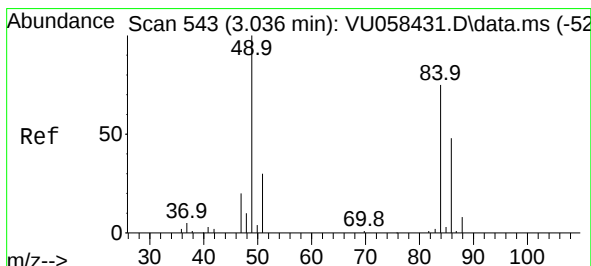
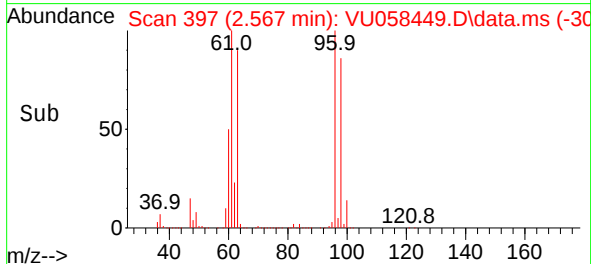
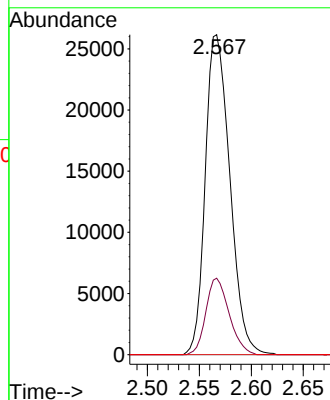
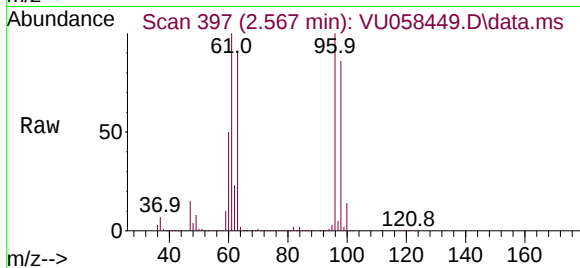




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 6.326 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.009 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19

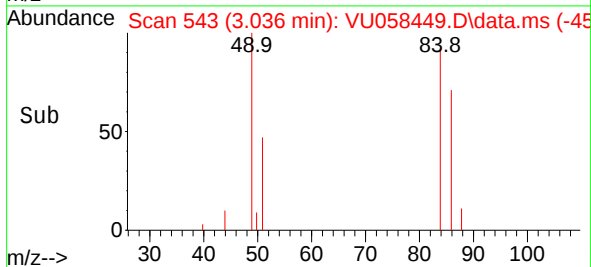
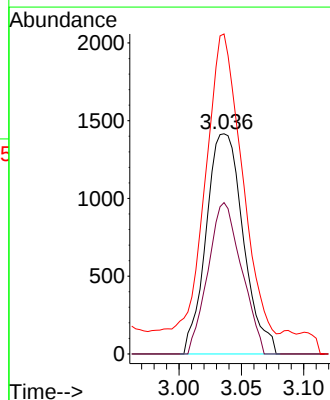
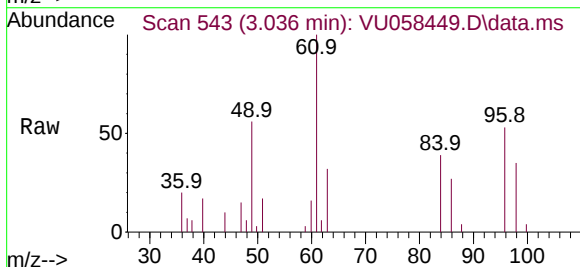
Instrument :
MSVOA_U
ClientSampleId :

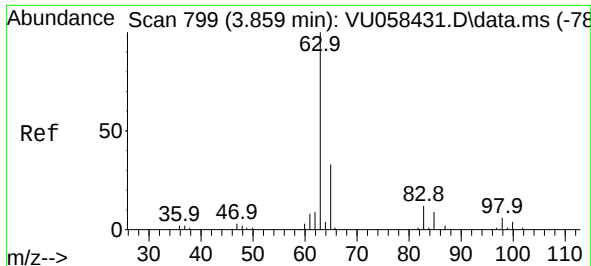
Tgt Ion:101 Resp: 43064
Ion Ratio Lower Upper
101 100
85 22.6 36.8 55.2#
151 0.0 58.2 87.4#



#16
Methylene chloride
Concen: 0.366 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19

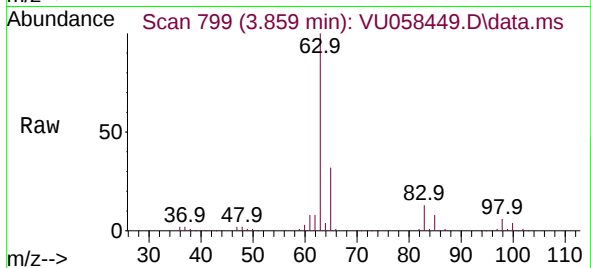
Tgt Ion: 84 Resp: 2932
Ion Ratio Lower Upper
84 100
86 68.7 44.3 82.3
49 154.1 96.0 178.2



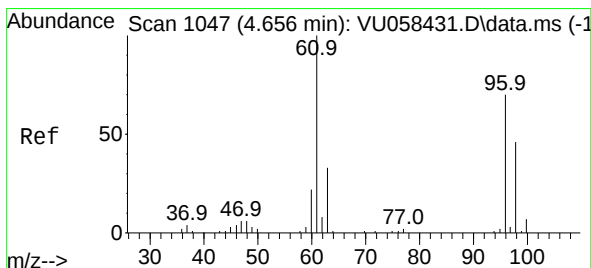
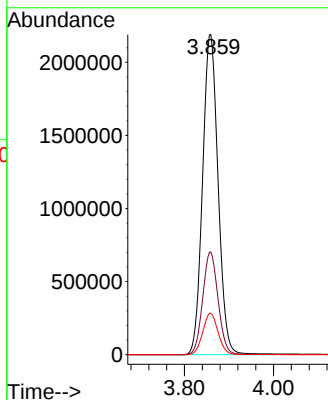
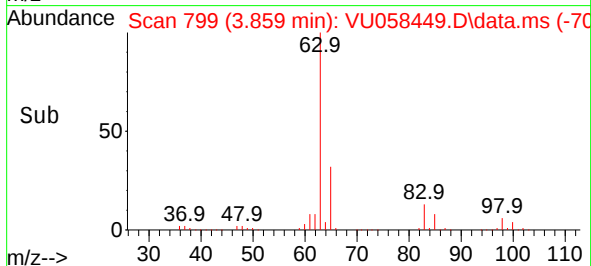


#19
1,1-Dichloroethane
Concen: 382.630 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19

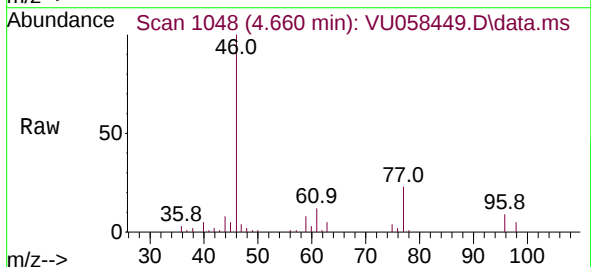
Instrument :
MSVOA_U
ClientSampleId :



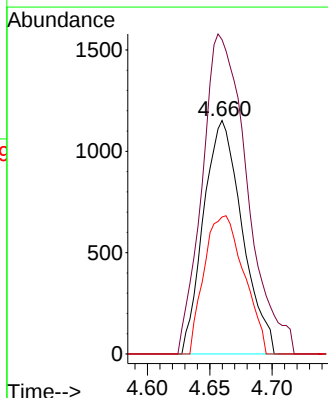
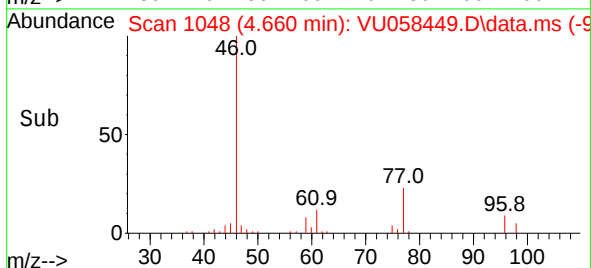
Tgt Ion: 63 Resp: 5282549
Ion Ratio Lower Upper
63 100
65 32.1 22.9 42.5
83 12.9 9.6 17.8

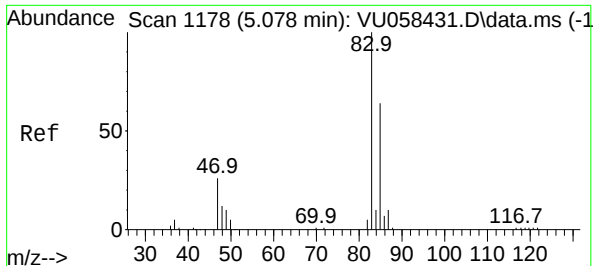


#22
cis-1,2-Dichloroethene
Concen: 0.351 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19



Tgt Ion: 96 Resp: 2493
Ion Ratio Lower Upper
96 100
61 134.6 98.1 182.3
98 58.7 43.6 81.0

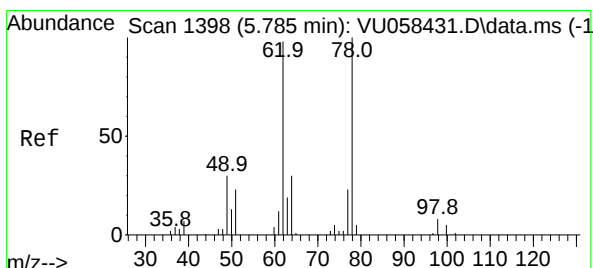
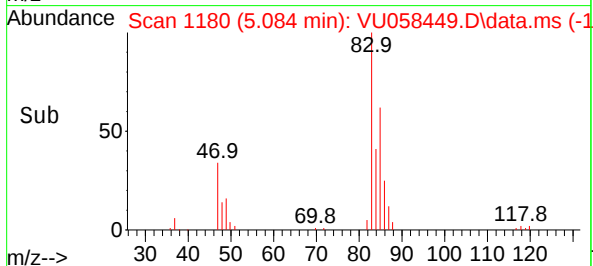
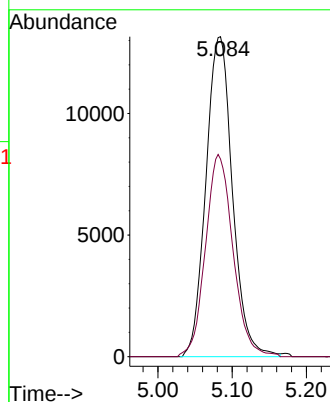
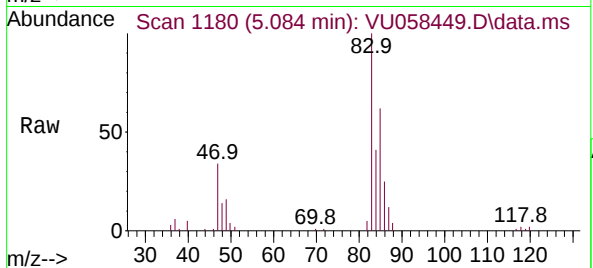




#25
Chloroform
Concen: 2.451 ug/L
RT: 5.084 min Scan# 1178
Delta R.T. 0.007 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19

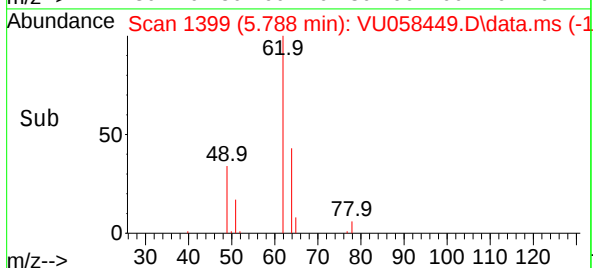
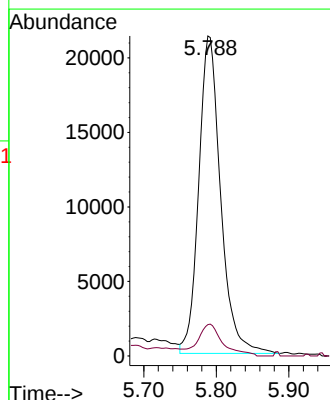
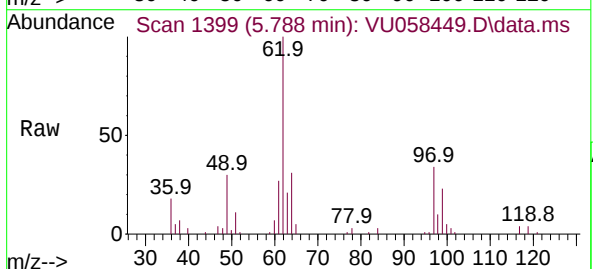
Instrument :
MSVOA_U
ClientSampleId :

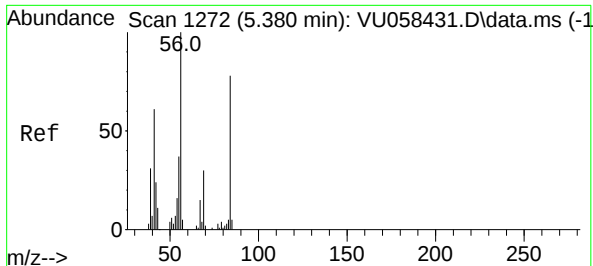
Tgt Ion: 83 Resp: 32757
Ion Ratio Lower Upper
83 100
85 61.8 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.495 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU058449.D
Acq: 06 Apr 2024 03:19

Tgt Ion: 62 Resp: 44710
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4





#30

Cyclohexane

Concen: 0.069 ug/L

RT: 5.383 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA_U

ClientSampleId :

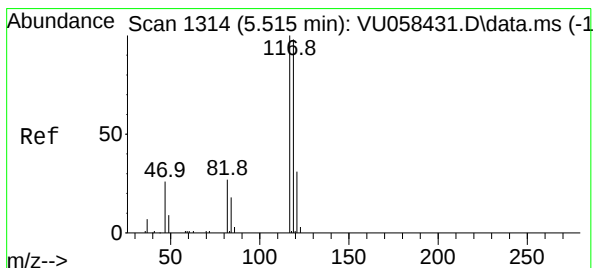
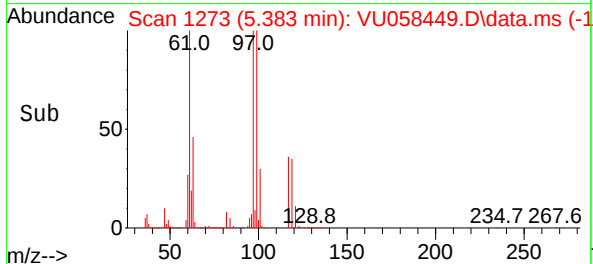
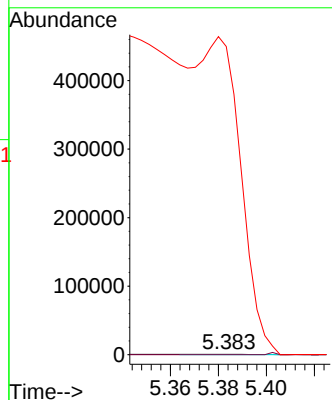
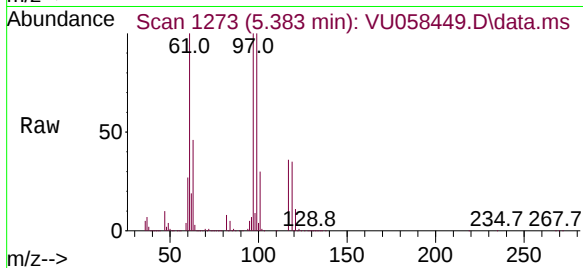
Tgt Ion: 56 Resp: 779

Ion Ratio Lower Upper

56 100

69 80.4 23.2 34.8#

84 0.0 63.3 94.9#



#31

Carbon tetrachloride

Concen: 1290.576 ug/L

RT: 5.354 min Scan# 1264

Delta R.T. -0.161 min

Lab File: VU058449.D

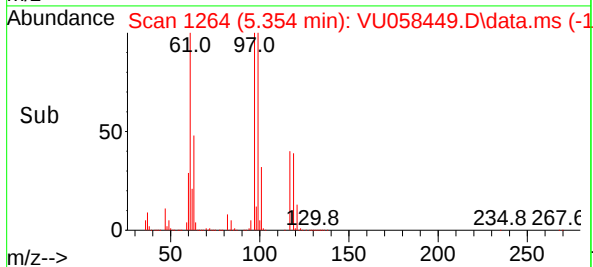
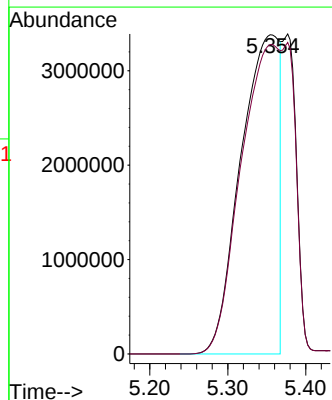
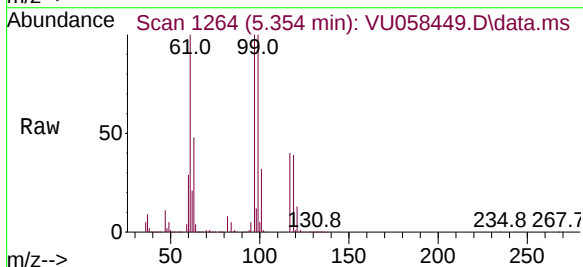
Acq: 06 Apr 2024 03:19

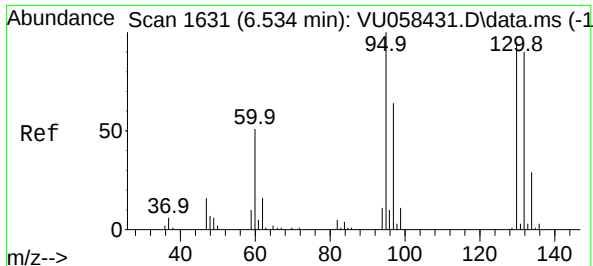
Tgt Ion: 117 Resp: 11628463

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1





#34

Trichloroethene

Concen: 99.620 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 722341

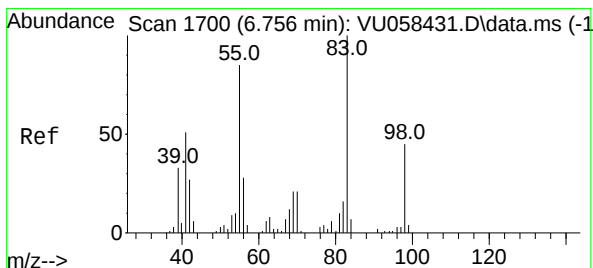
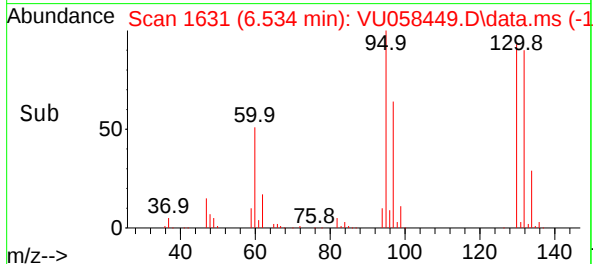
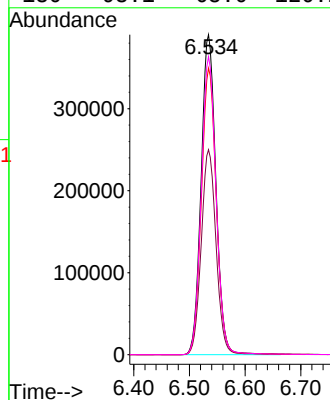
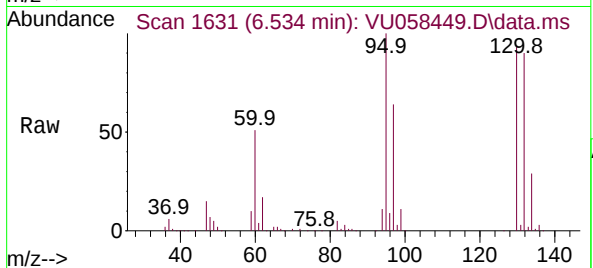
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.6

132 89.6 64.8 120.3

130 93.1 68.0 126.2



#35

Methylcyclohexane

Concen: 0.638 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

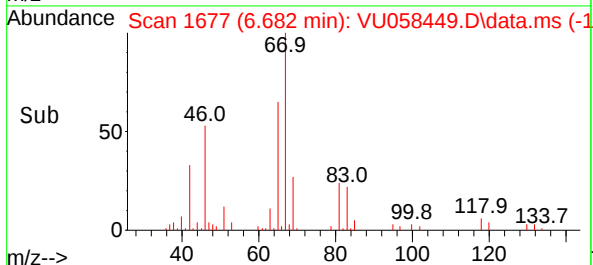
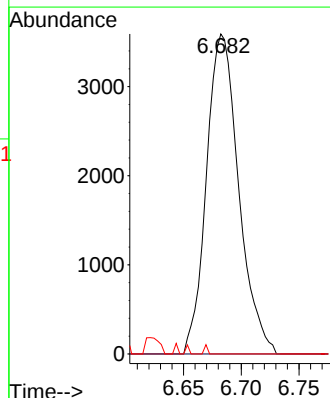
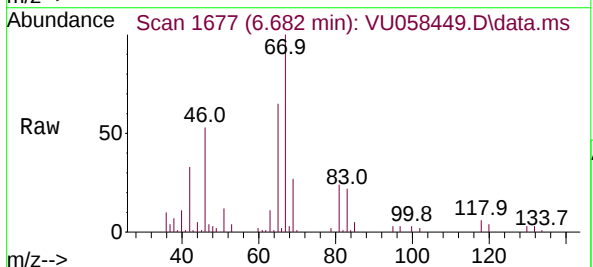
Tgt Ion: 83 Resp: 6973

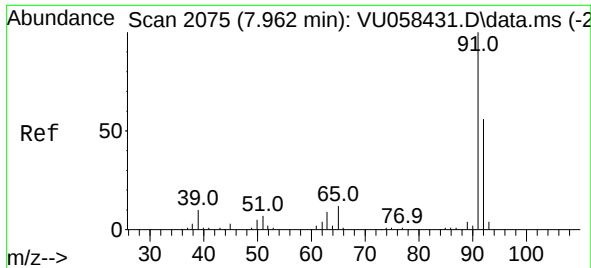
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#





#42

Toluene

Concen: 0.127 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA_U

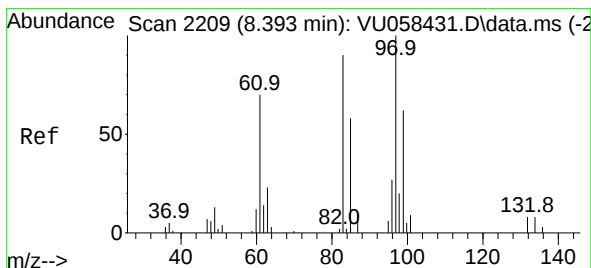
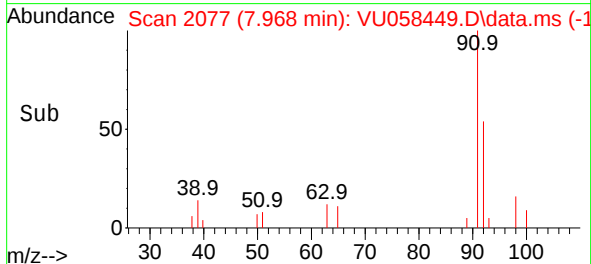
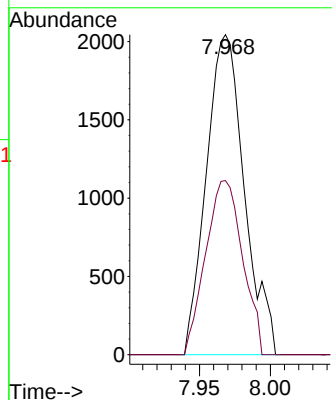
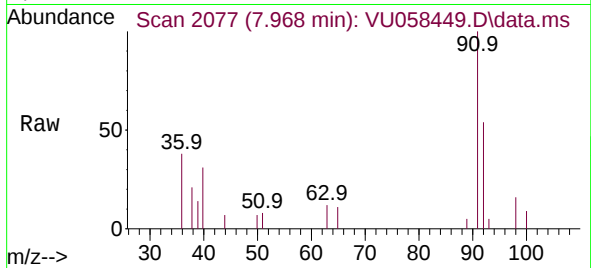
ClientSampleId :

Tgt Ion: 91 Resp: 3823

Ion Ratio Lower Upper

91 100

92 54.4 39.5 73.3



#45

1,1,2-Trichloroethane

Concen: 0.467 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Tgt Ion: 97 Resp: 2066

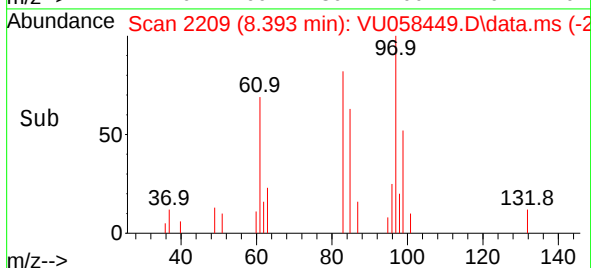
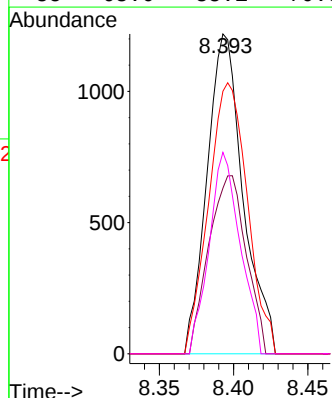
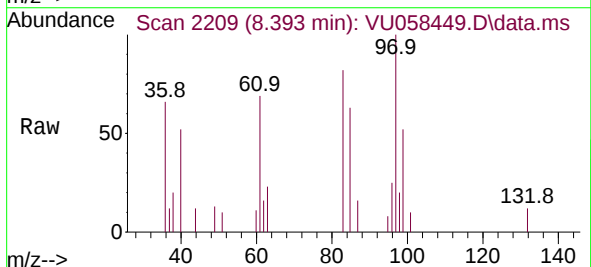
Ion Ratio Lower Upper

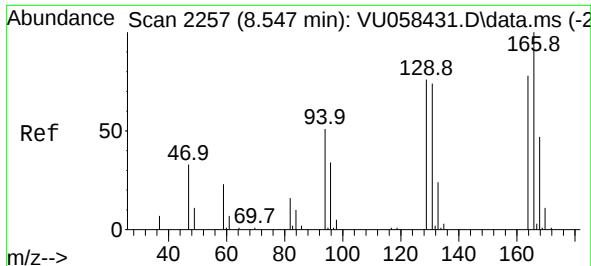
97 100

99 51.8 43.7 81.1

83 82.1 64.5 119.7

85 63.0 38.1 70.9





#47

Tetrachloroethene

Concen: 2.365 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

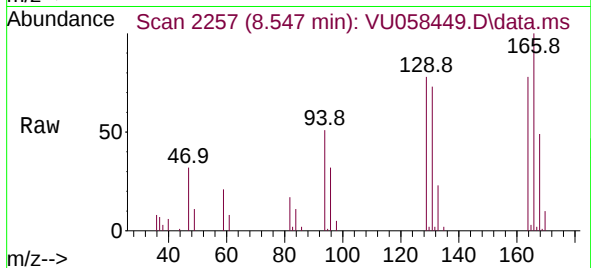
Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 12571

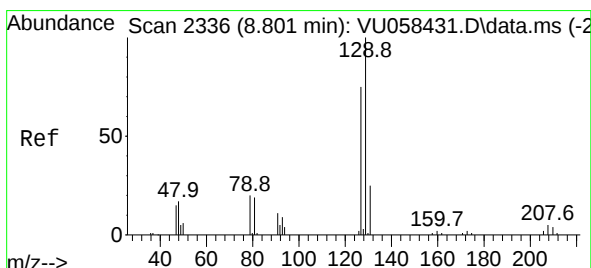
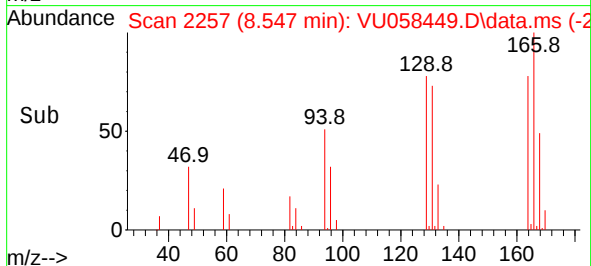
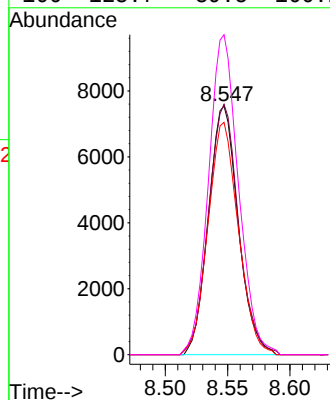
Ion Ratio Lower Upper

164 100

129 100.7 67.3 125.1

131 93.4 65.5 121.6

166 128.7 89.5 166.1



#49

Dibromochloromethane

Concen: 2.498 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU058449.D

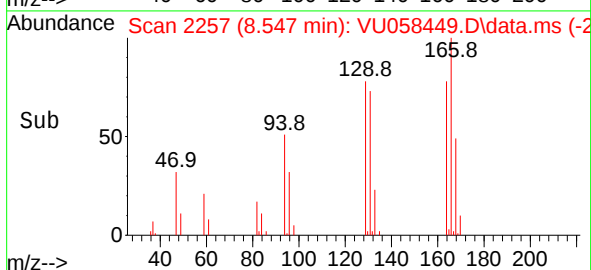
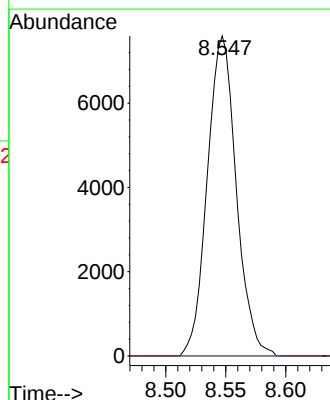
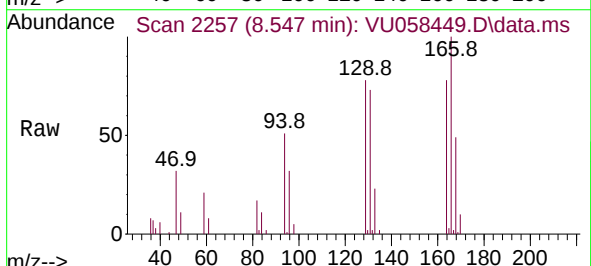
Acq: 06 Apr 2024 03:19

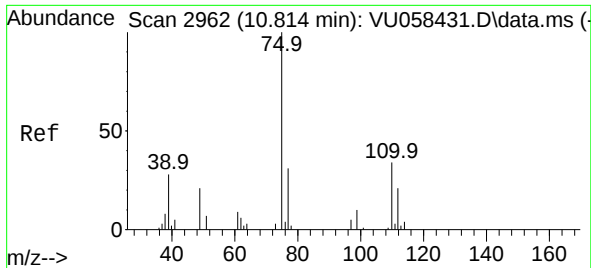
Tgt Ion:129 Resp: 12767

Ion Ratio Lower Upper

129 100

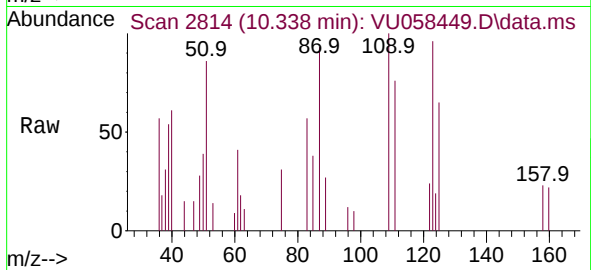
127 0.0 53.5 99.5#





#61
 1,2,3-Trichloropropane
 Concen: 0.145 ug/L
 RT: 10.338 min Scan# 21
 Delta R.T. -0.476 min
 Lab File: VU058449.D
 Acq: 06 Apr 2024 03:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 507
 Ion Ratio Lower Upper
 75 100
 110 0.0 25.8 38.6#
 77 30.6 25.1 37.7

