

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120924\
 Data File : VU062191.D
 Acq On : 10 Dec 2024 05:39
 Operator : MD/SY
 Sample : P5148-03
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 06:00:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 10 00:32:19 2024
 Response via : Initial Calibration

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

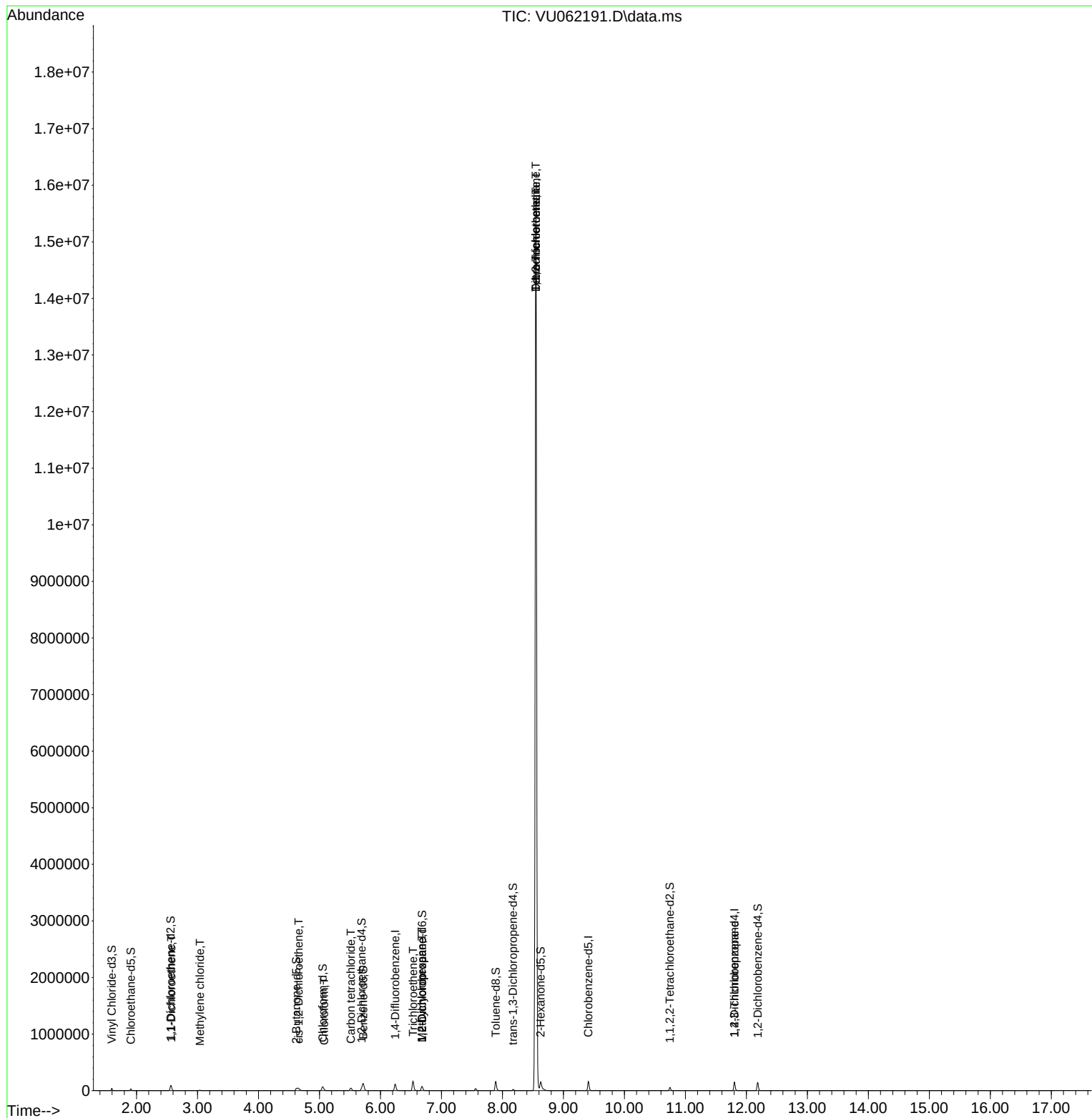
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	99290	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	93884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42964	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27986	4.179	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.907	69	21157	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.560	65	13959	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	4.621	46	57903	45.113	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.220%
24) Chloroform-d	5.052	84	66048	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.692	65	35481	4.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.718	84	124547	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.682	67	36186	4.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.891	98	114035	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.174	79	13985	4.107	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.627	63	49026	47.719	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.440%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28148	4.676	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	41416	5.231	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	13461	2.008	ug/L #	62
16) Methylene chloride	3.039	84	4389	0.624	ug/L	89
22) cis-1,2-Dichloroethene	4.660	96	17305	2.241	ug/L	94
25) Chloroform	5.078	83	6335	0.445	ug/L	94
31) Carbon tetrachloride	5.515	117	32910	2.717	ug/L	99
34) Trichloroethene	6.534	95	58836	7.139	ug/L	96
35) Methylcyclohexane	6.679	83	9427	0.771	ug/L #	20
37) 1,2-Dichloropropane	6.679	63	4236	0.598	ug/L #	87
45) 1,1,2-Trichloroethane	8.550	97	33452	6.254	ug/L #	28
47) Tetrachloroethene	8.550	164	3493689	549.041	ug/L	96
49) Dibromochloromethane	8.550	129	3466658	536.440	ug/L #	13
61) 1,2,3-Trichloropropane	11.804	75	4276	1.076	ug/L #	67

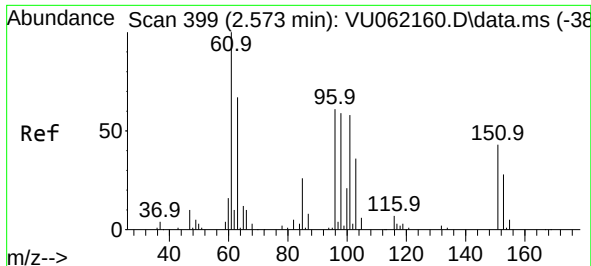
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 2.008 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU062191.D

Acq: 10 Dec 2024 05:39

Instrument :

MSVOA_U

ClientSampleId :

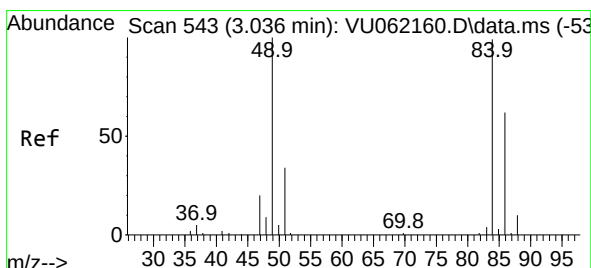
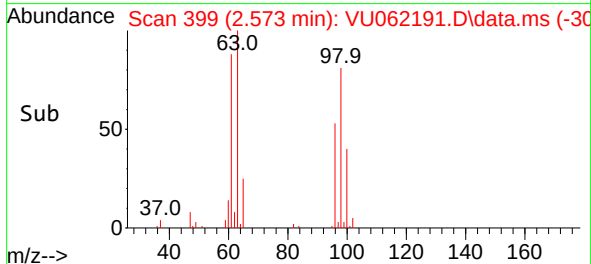
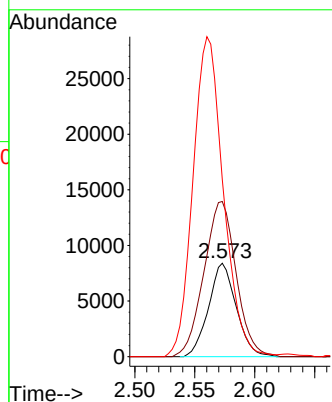
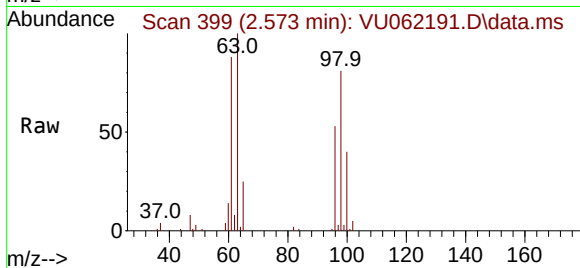
Tgt Ion: 96 Resp: 13461

Ion Ratio Lower Upper

96 100

61 166.0 119.6 222.2

63 189.6 65.0 120.6#



#16

Methylene chloride

Concen: 0.624 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU062191.D

Acq: 10 Dec 2024 05:39

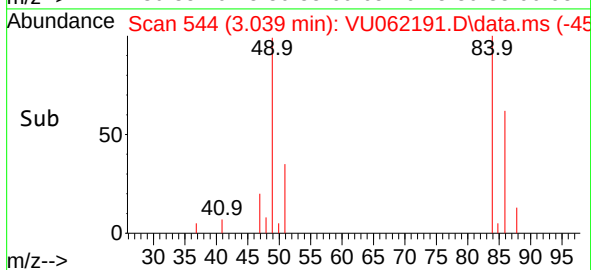
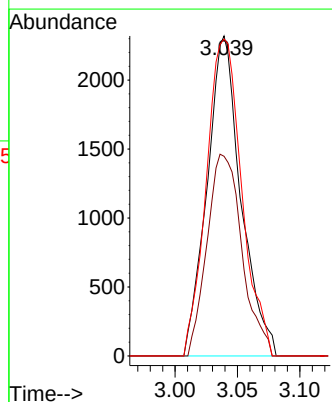
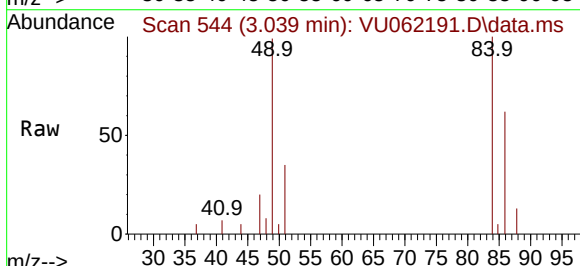
Tgt Ion: 84 Resp: 4389

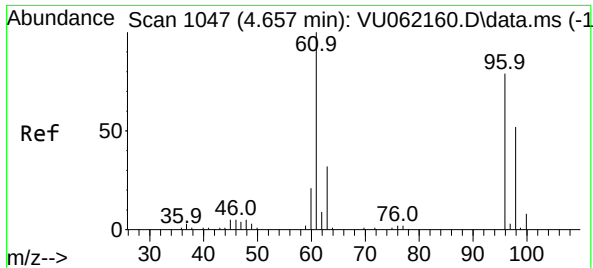
Ion Ratio Lower Upper

84 100

86 62.4 43.5 80.7

49 99.1 81.9 152.1

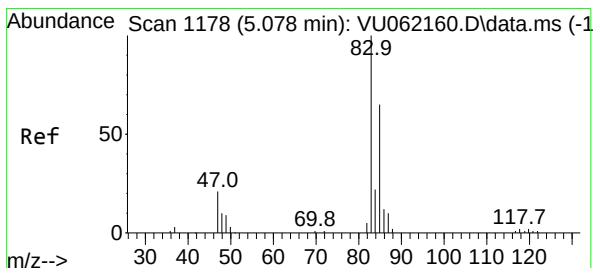
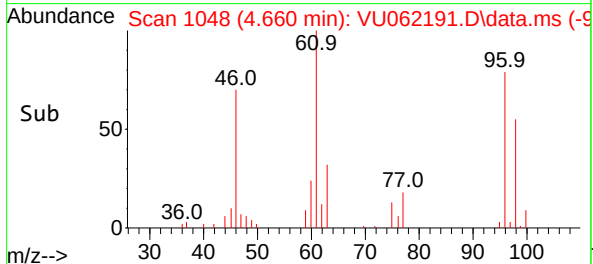
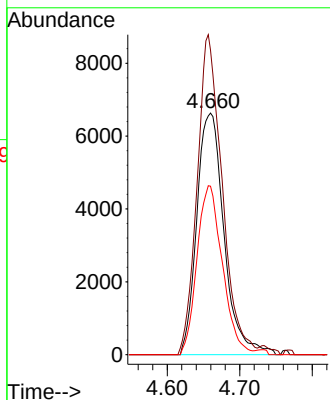
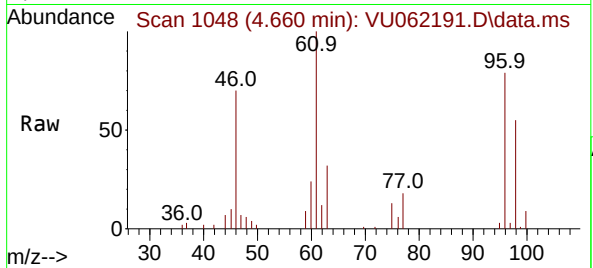




#22
 cis-1,2-Dichloroethene
 Concen: 2.241 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU062191.D
 Acq: 10 Dec 2024 05:39

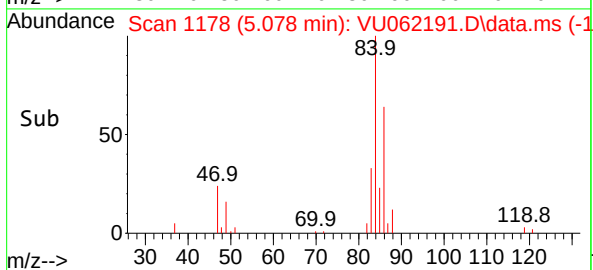
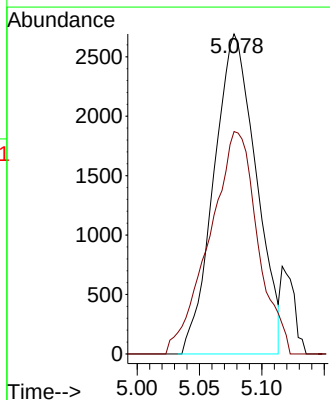
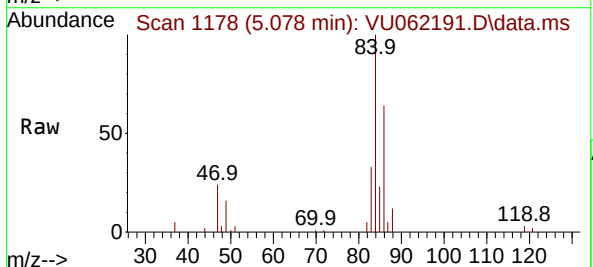
Instrument :
 MSVOA_U
 ClientSampleId :

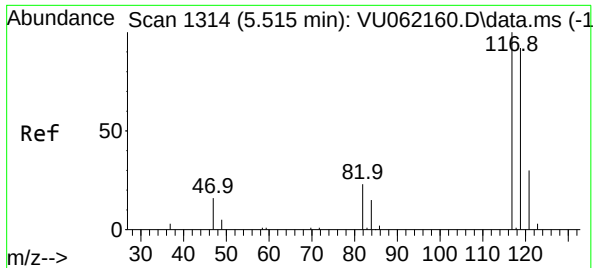
Tgt Ion: 96 Resp: 17305
 Ion Ratio Lower Upper
 96 100
 61 126.0 92.0 170.8
 98 69.7 44.5 82.7



#25
 Chloroform
 Concen: 0.445 ug/L
 RT: 5.078 min Scan# 1178
 Delta R.T. -0.000 min
 Lab File: VU062191.D
 Acq: 10 Dec 2024 05:39

Tgt Ion: 83 Resp: 6335
 Ion Ratio Lower Upper
 83 100
 85 69.5 45.4 84.2

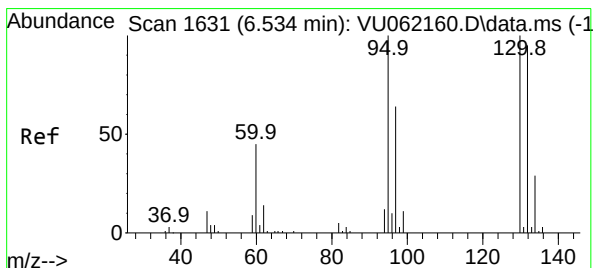
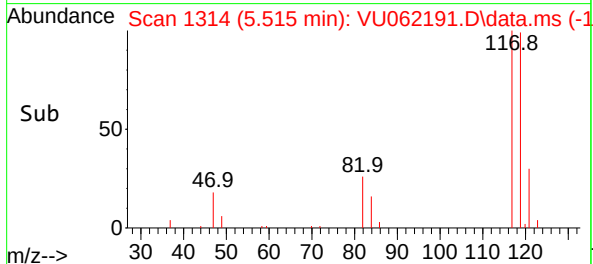
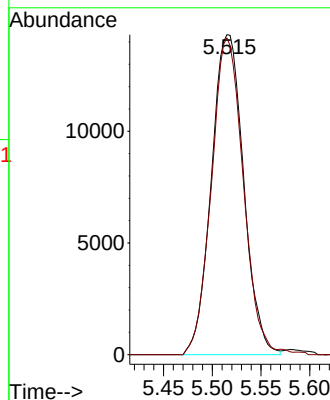
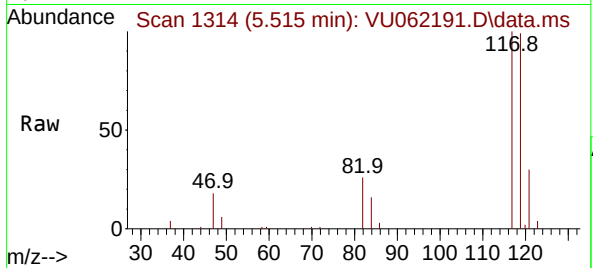




#31
Carbon tetrachloride
Concen: 2.717 ug/L
RT: 5.515 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU062191.D
Acq: 10 Dec 2024 05:39

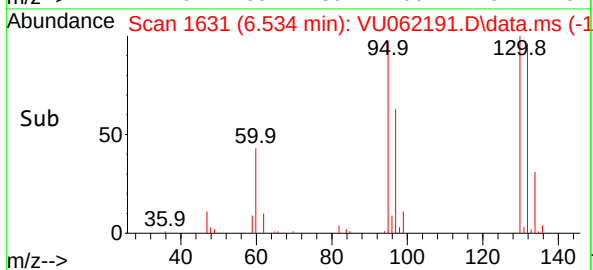
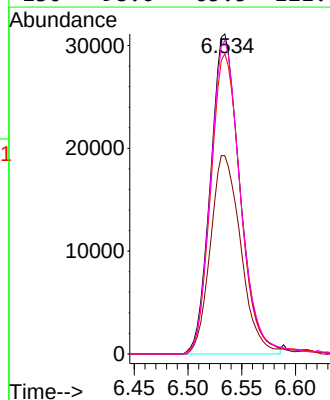
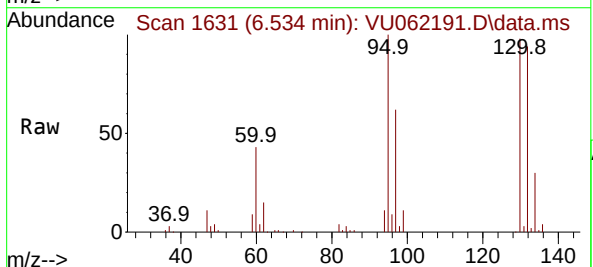
Instrument :
MSVOA_U
ClientSampleId :

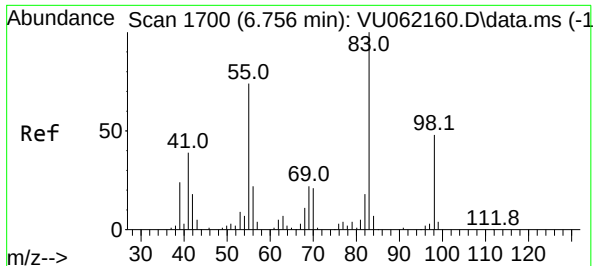
Tgt Ion:117 Resp: 32910
Ion Ratio Lower Upper
117 100
119 98.1 77.5 116.3



#34
Trichloroethene
Concen: 7.139 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU062191.D
Acq: 10 Dec 2024 05:39

Tgt Ion: 95 Resp: 58836
Ion Ratio Lower Upper
95 100
97 62.0 45.9 85.3
132 93.8 63.8 118.4
130 98.0 65.5 121.7





#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.679 min Scan# 1676

Delta R.T. -0.077 min

Lab File: VU062191.D

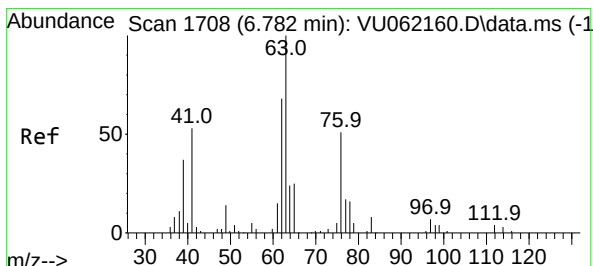
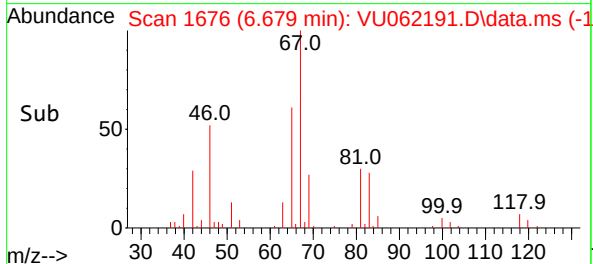
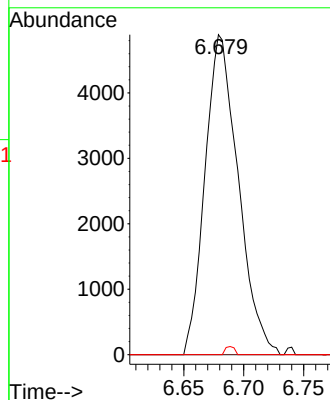
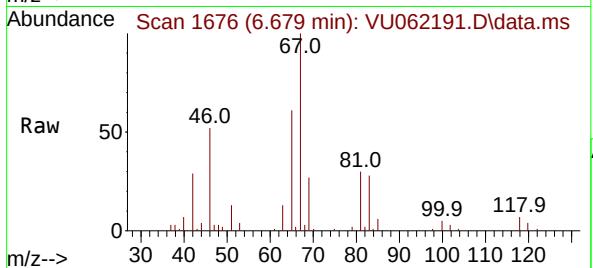
Acq: 10 Dec 2024 05:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 9427
Ion Ratio	Lower Upper
83	100
55	0.0 60.7 91.1#
98	1.3 34.8 52.2#



#37

1,2-Dichloropropane

Concen: 0.598 ug/L

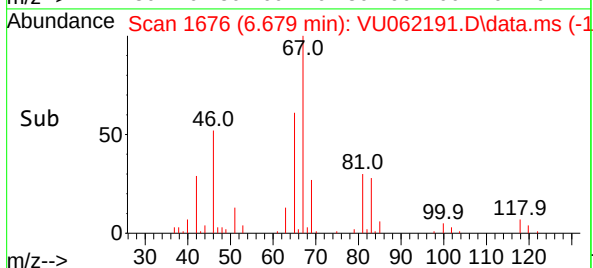
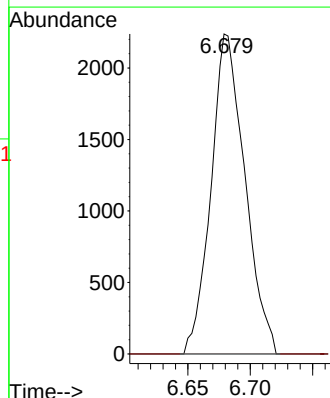
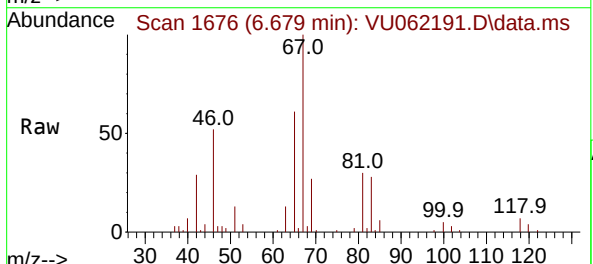
RT: 6.679 min Scan# 1676

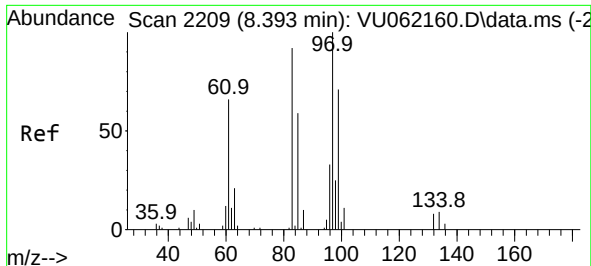
Delta R.T. -0.103 min

Lab File: VU062191.D

Acq: 10 Dec 2024 05:39

Tgt Ion: 63	Resp: 4236
Ion Ratio	Lower Upper
63	100
112	0.0 3.4 5.0#





#45

1,1,2-Trichloroethane

Concen: 6.254 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.157 min

Lab File: VU062191.D

Acq: 10 Dec 2024 05:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 33452

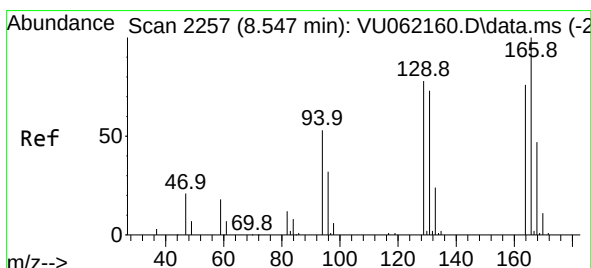
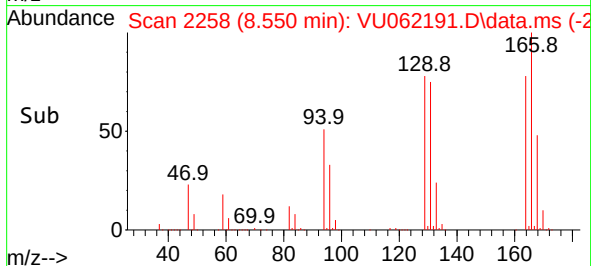
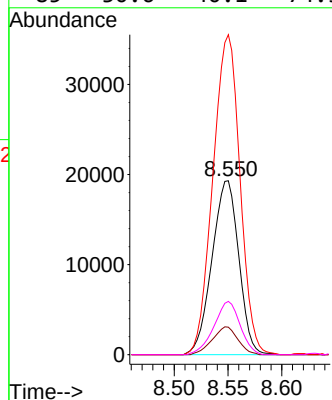
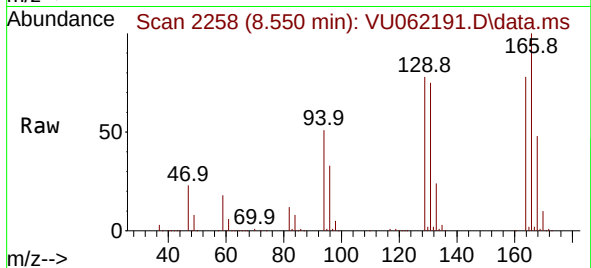
Ion Ratio Lower Upper

97 100

99 15.8 43.0 79.8#

83 184.0 61.7 114.5#

85 30.6 40.1 74.5#



#47

Tetrachloroethene

Concen: 549.041 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU062191.D

Acq: 10 Dec 2024 05:39

Tgt Ion:164 Resp: 3493689

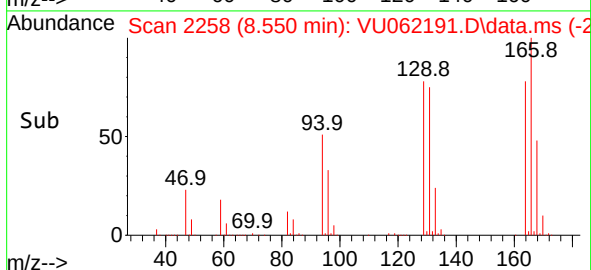
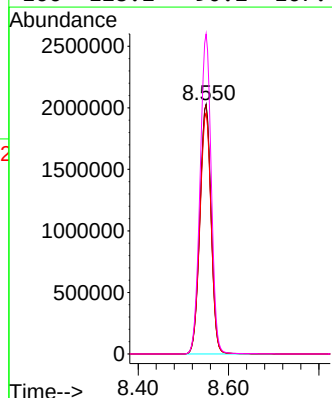
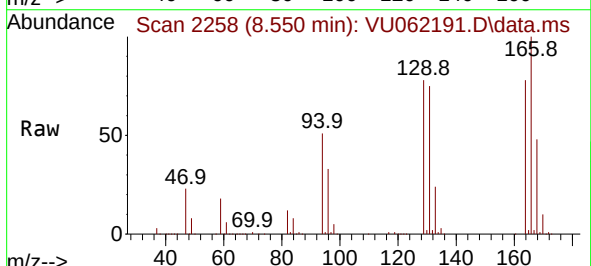
Ion Ratio Lower Upper

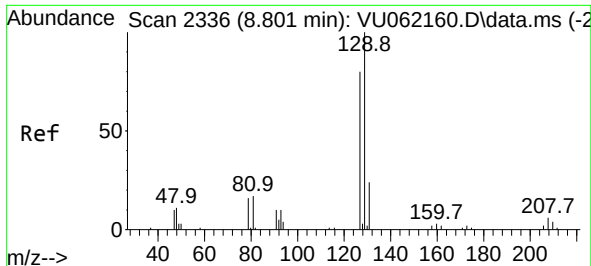
164 100

129 99.7 73.2 136.0

131 96.6 72.3 134.3

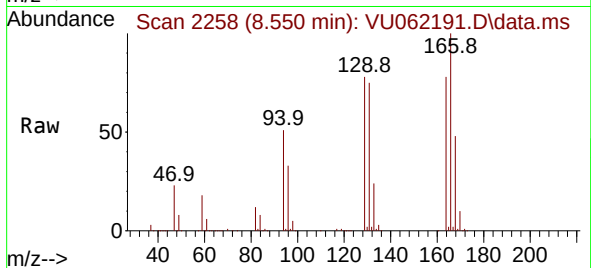
166 128.2 90.2 167.4



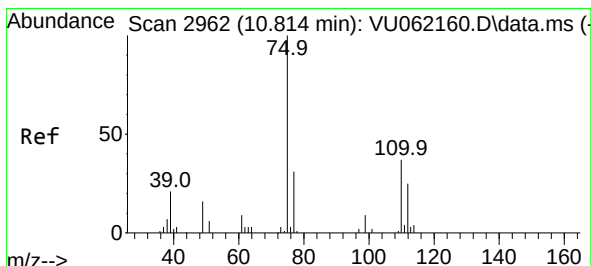
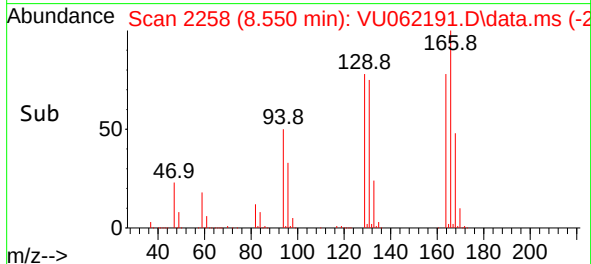
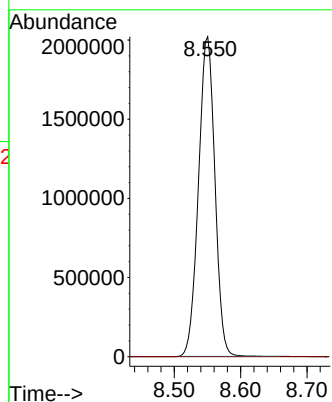


#49
Dibromochloromethane
Concen: 536.440 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.251 min
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Tgt Ion:129 Resp: 3466658
Ion Ratio Lower Upper
129 100
127 0.0 51.1 94.9#



#61
1,2,3-Trichloropropane
Concen: 1.076 ug/L
RT: 11.804 min Scan# 3270
Delta R.T. 0.990 min
Lab File: VU062191.D
Acq: 10 Dec 2024 05:39

Tgt Ion: 75 Resp: 4276
Ion Ratio Lower Upper
75 100
110 0.0 28.9 43.3#
77 34.5 26.5 39.7

