

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121624\
 Data File : VU062338.D
 Acq On : 16 Dec 2024 12:47
 Operator : MD/SY
 Sample : P5274-04
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 00:33:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 17 00:31:28 2024
 Response via : Initial Calibration

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

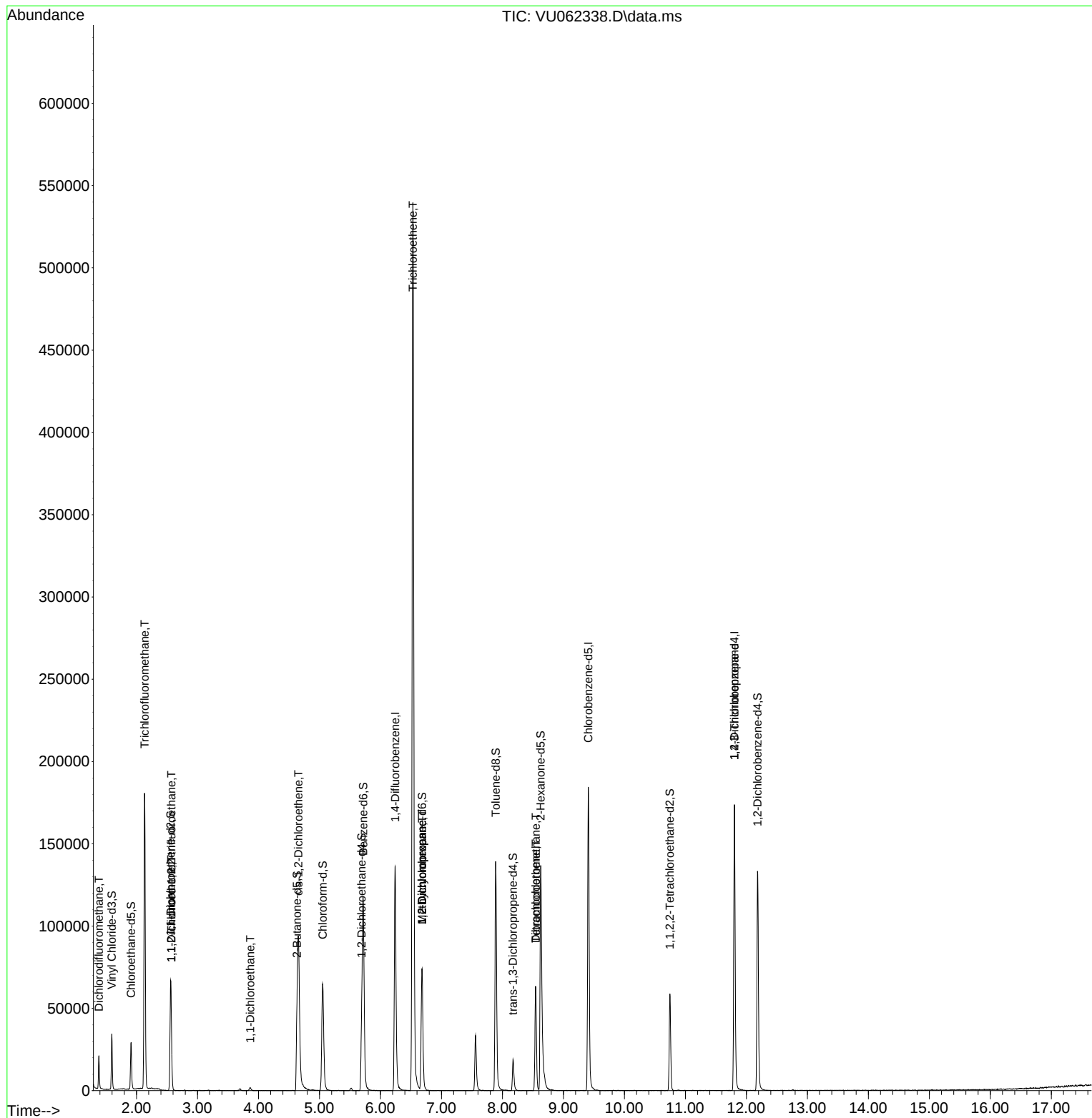
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	114415	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	107834	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	49345	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	22984	2.978	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.600%
7) Chloroethane-d5	1.911	69	20671	3.766	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.560	65	11959	3.257	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	4.631	46	65997	44.622	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.240%
24) Chloroform-d	5.052	84	64991	3.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
26) 1,2-Dichloroethane-d4	5.692	65	34038	4.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.717	84	113683	3.660	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.200%
36) 1,2-Dichloropropane-d6	6.682	67	34265	3.856	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.200%
41) Toluene-d8	7.891	98	99644	3.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.000%#
43) trans-1,3-Dichloroprop...	8.174	79	12985	3.320	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.400%
46) 2-Hexanone-d5	8.627	63	52152	44.194	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.380%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28556	4.130	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	38202	4.201	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	11186	1.044	ug/L	96
9) Trichlorofluoromethane	2.132	101	119601	7.878	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2088	0.253	ug/L	91
12) 1,1-Dichloroethene	2.570	96	1450	0.188	ug/L #	1
19) 1,1-Dichloroethane	3.865	63	2423	0.167	ug/L #	90
22) cis-1,2-Dichloroethene	4.656	96	41202	4.631	ug/L	96
34) Trichloroethene	6.531	95	193991	20.493	ug/L	98
35) Methylcyclohexane	6.682	83	9211	0.656	ug/L #	20
37) 1,2-Dichloropropane	6.682	63	4542	0.558	ug/L #	87
47) Tetrachloroethene	8.547	164	14258	1.951	ug/L	96
49) Dibromochloromethane	8.547	129	14629	1.971	ug/L #	13
61) 1,2,3-Trichloropropane	11.804	75	5019	1.100	ug/L #	66

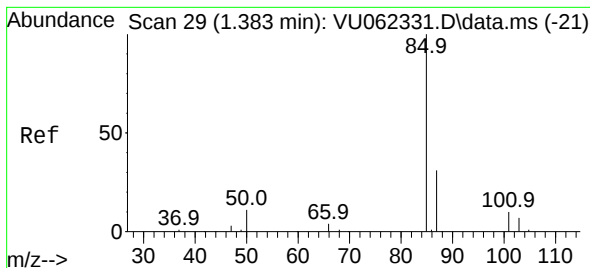
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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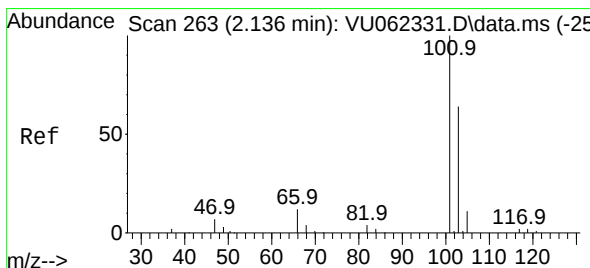
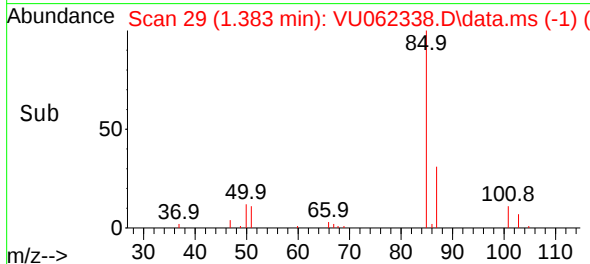
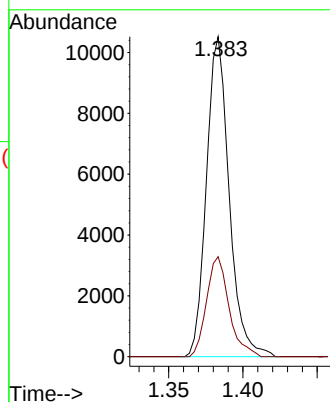
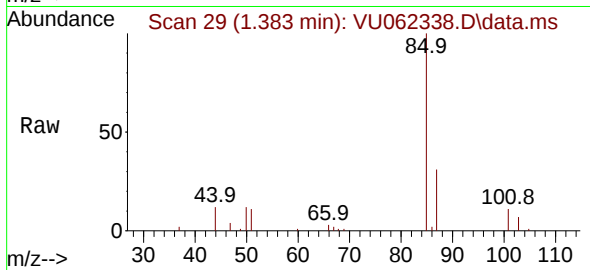




#2
Dichlorodifluoromethane
Concen: 1.044 ug/L
RT: 1.383 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU062338.D
Acq: 16 Dec 2024 12:47

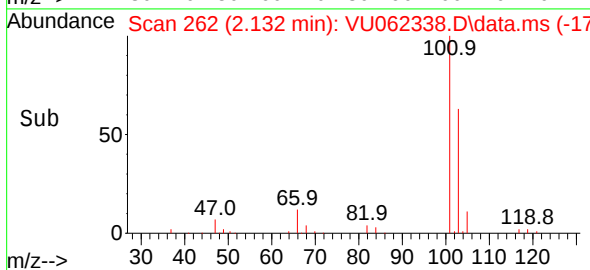
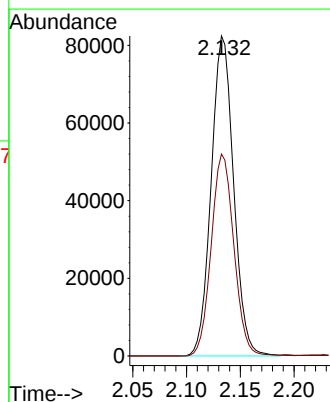
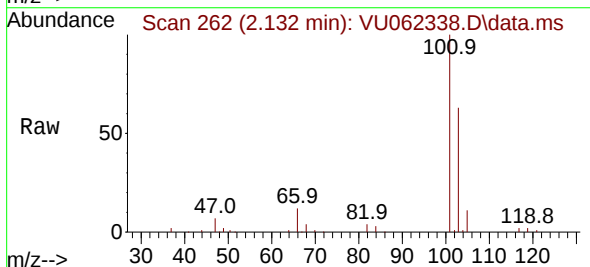
Instrument :
MSVOA_U
ClientSampleId :

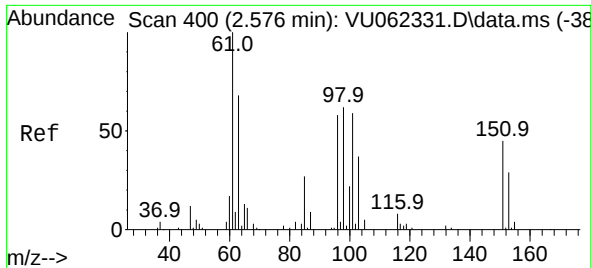
Tgt Ion: 85 Resp: 11186
Ion Ratio Lower Upper
85 100
87 30.9 26.6 40.0



#9
Trichlorofluoromethane
Concen: 7.878 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU062338.D
Acq: 16 Dec 2024 12:47

Tgt Ion:101 Resp: 119601
Ion Ratio Lower Upper
101 100
103 63.8 50.6 75.8

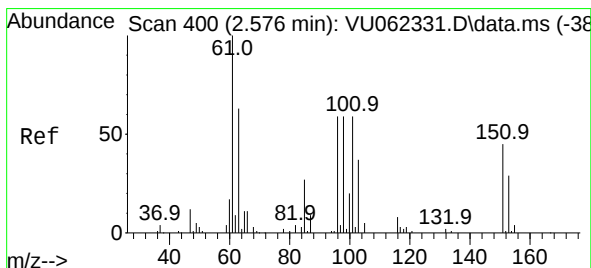
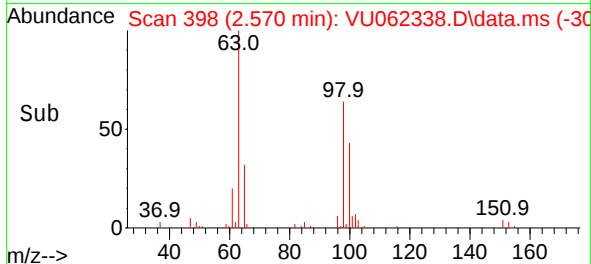
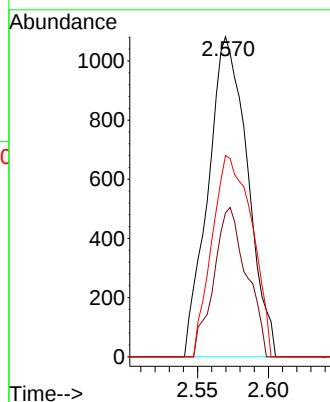
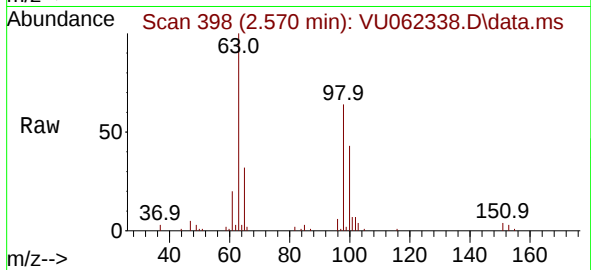




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.253 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU062338.D
 Acq: 16 Dec 2024 12:47

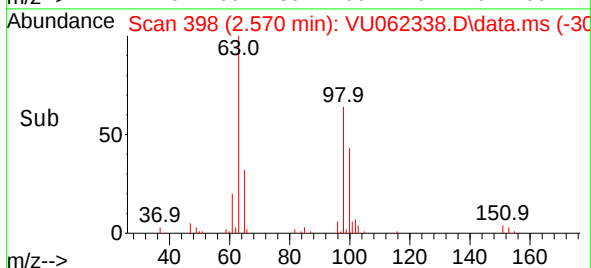
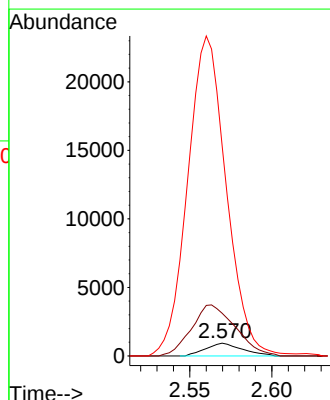
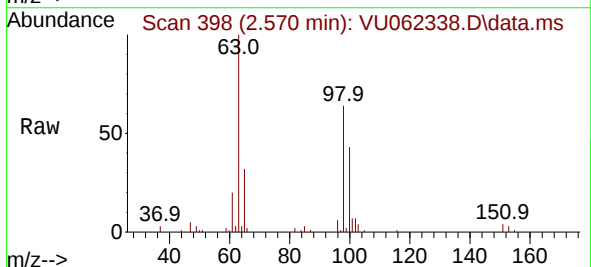
Instrument :
 MSVOA_U
 ClientSampleId :

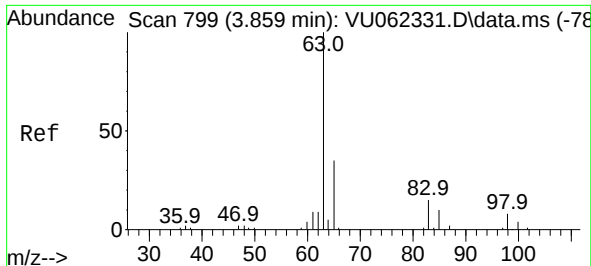
Tgt Ion:101	Resp:	2088
Ion	Ratio	Lower Upper
101	100	
85	39.1	38.0 57.0
151	63.9	55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 0.188 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU062338.D
 Acq: 16 Dec 2024 12:47

Tgt Ion: 96	Resp:	1450
Ion	Ratio	Lower Upper
96	100	
61	333.2	119.6 222.2#
63	1642.8	65.0 120.6#





#19

1,1-Dichloroethane

Concen: 0.167 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

Instrument :

MSVOA_U

ClientSampleId :

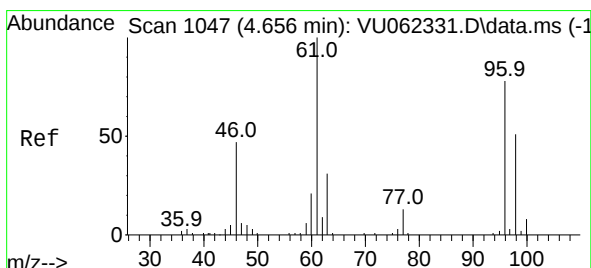
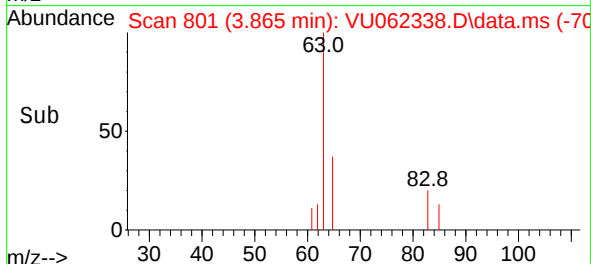
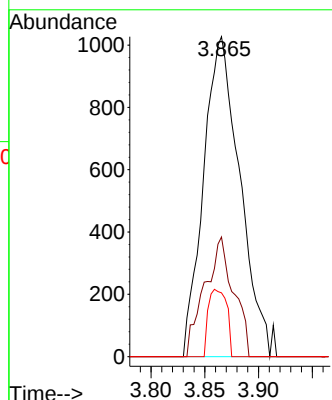
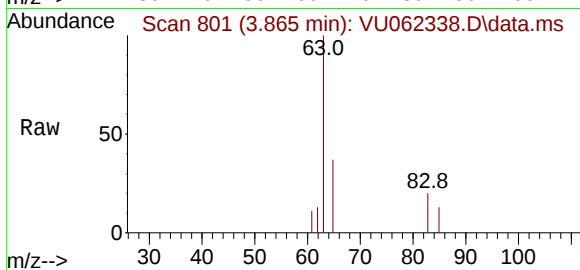
Tgt Ion: 63 Resp: 2423

Ion Ratio Lower Upper

63 100

65 37.4 22.7 42.3

83 20.0 9.9 18.3#



#22

cis-1,2-Dichloroethene

Concen: 4.631 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

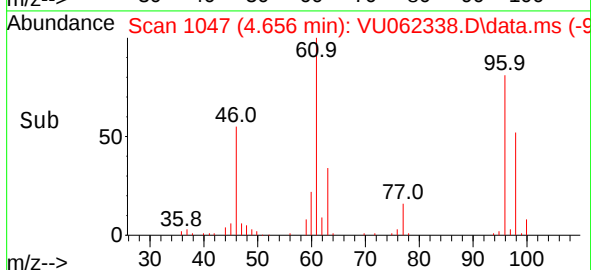
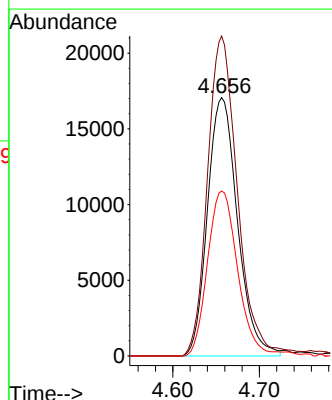
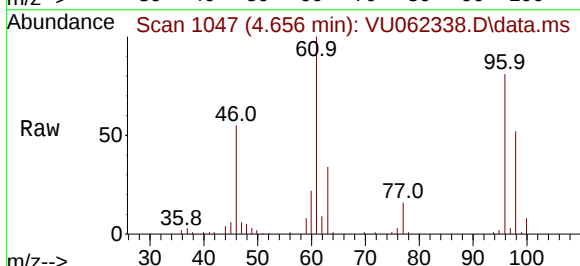
Tgt Ion: 96 Resp: 41202

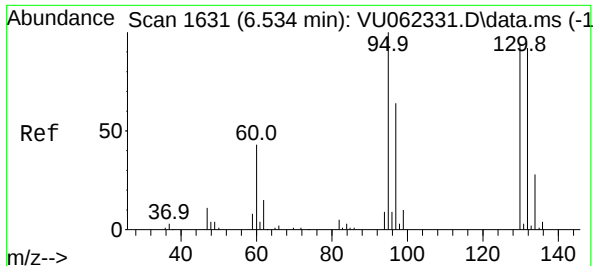
Ion Ratio Lower Upper

96 100

61 123.8 92.0 170.8

98 63.8 44.5 82.7





#34

Trichloroethene

Concen: 20.493 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 193991

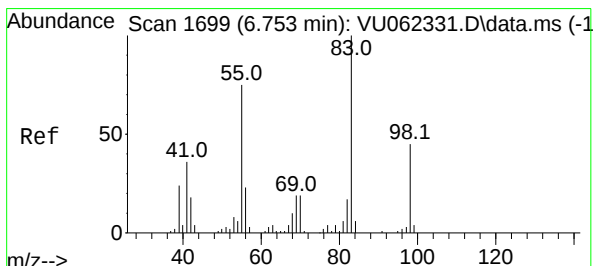
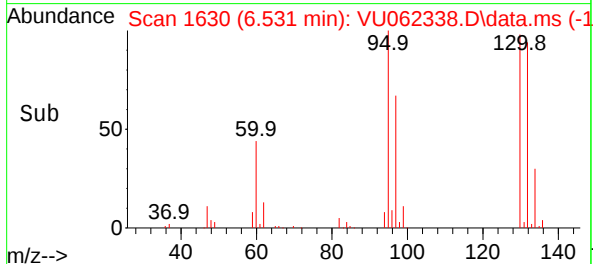
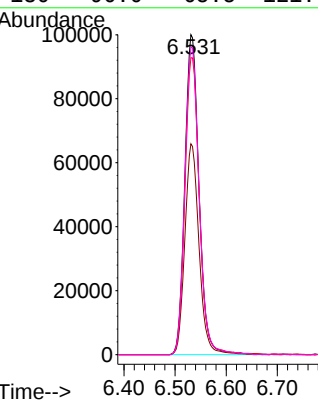
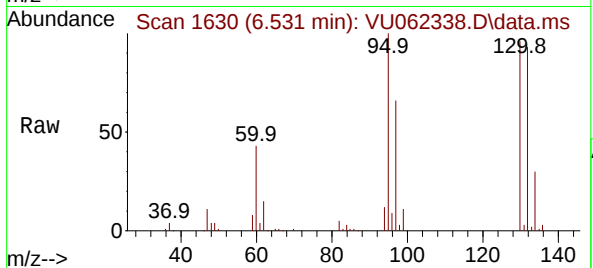
Ion Ratio Lower Upper

95 100

97 65.9 45.9 85.3

132 92.8 63.8 118.4

130 96.0 65.5 121.7



#35

Methylcyclohexane

Concen: 0.656 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.071 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

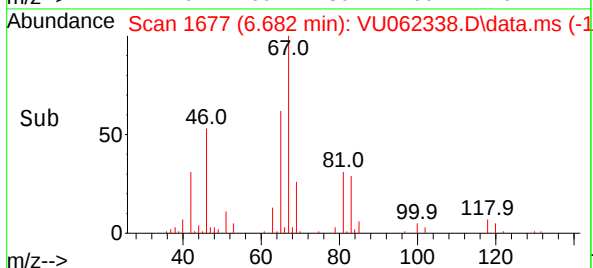
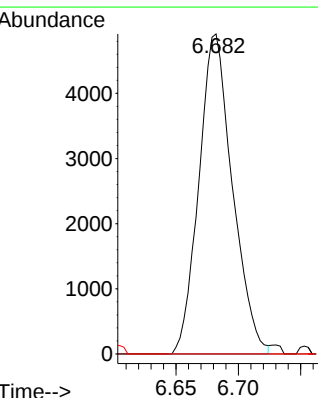
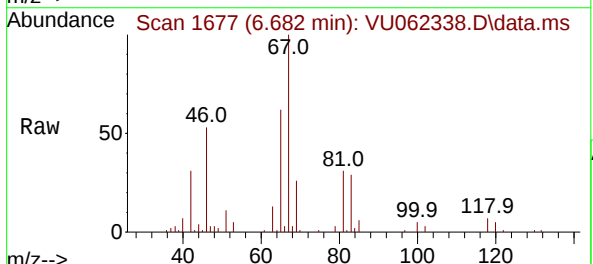
Tgt Ion: 83 Resp: 9211

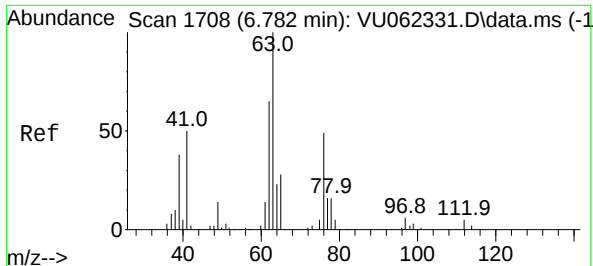
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 1.5 34.8 52.2#

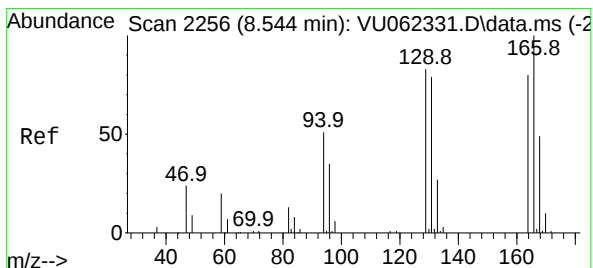
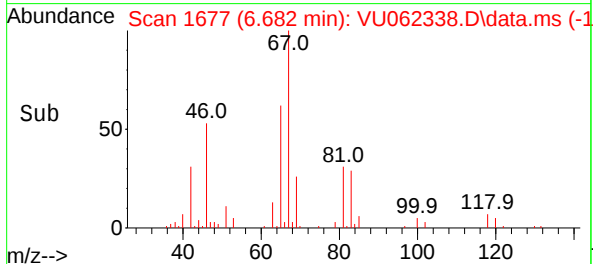
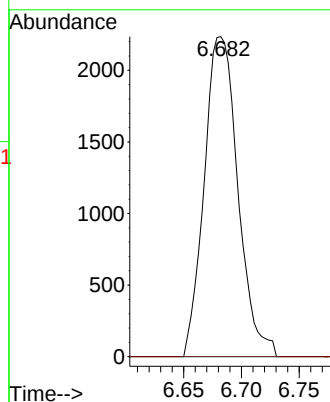
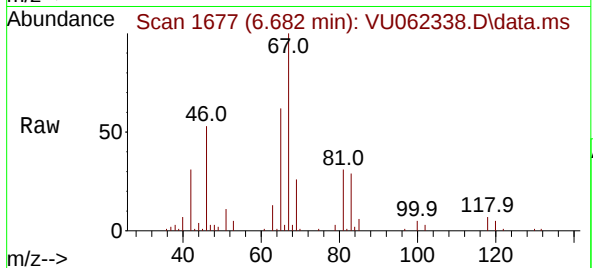




#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU062338.D
Acq: 16 Dec 2024 12:47

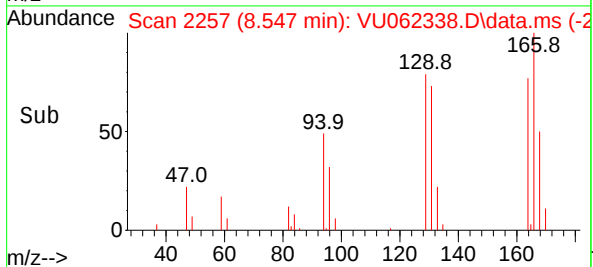
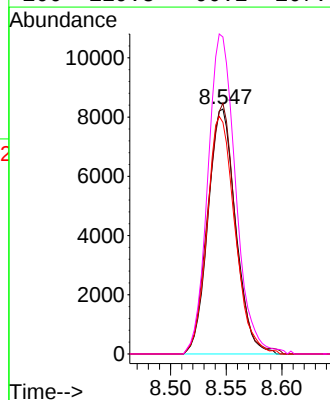
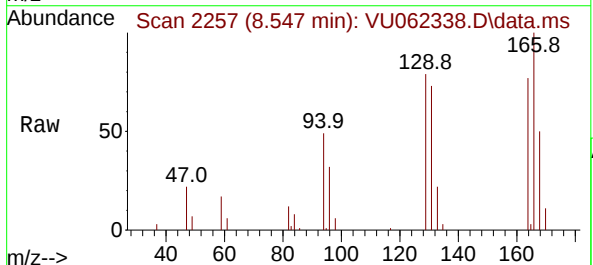
Instrument :
MSVOA_U
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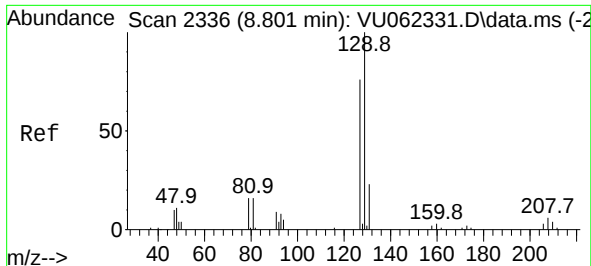
Tgt Ion: 63 Resp: 4542
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#47
Tetrachloroethene
Concen: 1.951 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU062338.D
Acq: 16 Dec 2024 12:47

Tgt Ion:164 Resp: 14258
Ion Ratio Lower Upper
164 100
129 102.4 73.2 136.0
131 94.5 72.3 134.3
166 129.3 90.2 167.4





#49

Dibromochloromethane

Concen: 1.971 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

Instrument :

MSVOA_U

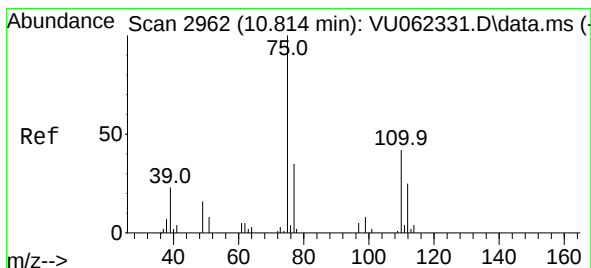
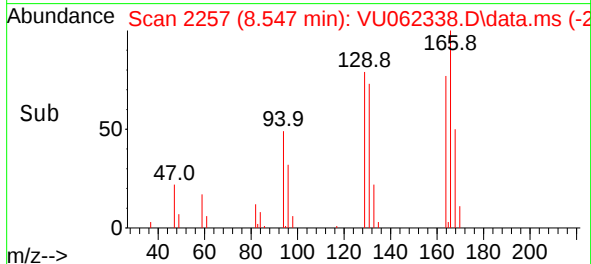
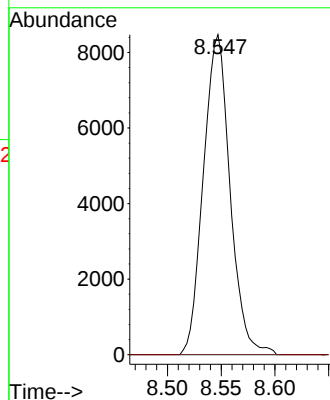
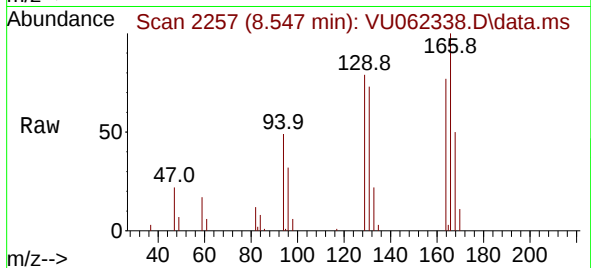
ClientSampleId :

Tgt Ion:129 Resp: 14629

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#61

1,2,3-Trichloropropane

Concen: 1.100 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU062338.D

Acq: 16 Dec 2024 12:47

Tgt Ion: 75 Resp: 5019

Ion Ratio Lower Upper

75 100

110 1.0 28.9 43.3#

77 37.0 26.5 39.7

