

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121624\
 Data File : VU062337.D
 Acq On : 16 Dec 2024 12:23
 Operator : MD/SY
 Sample : P5274-03
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 00:33:11 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)

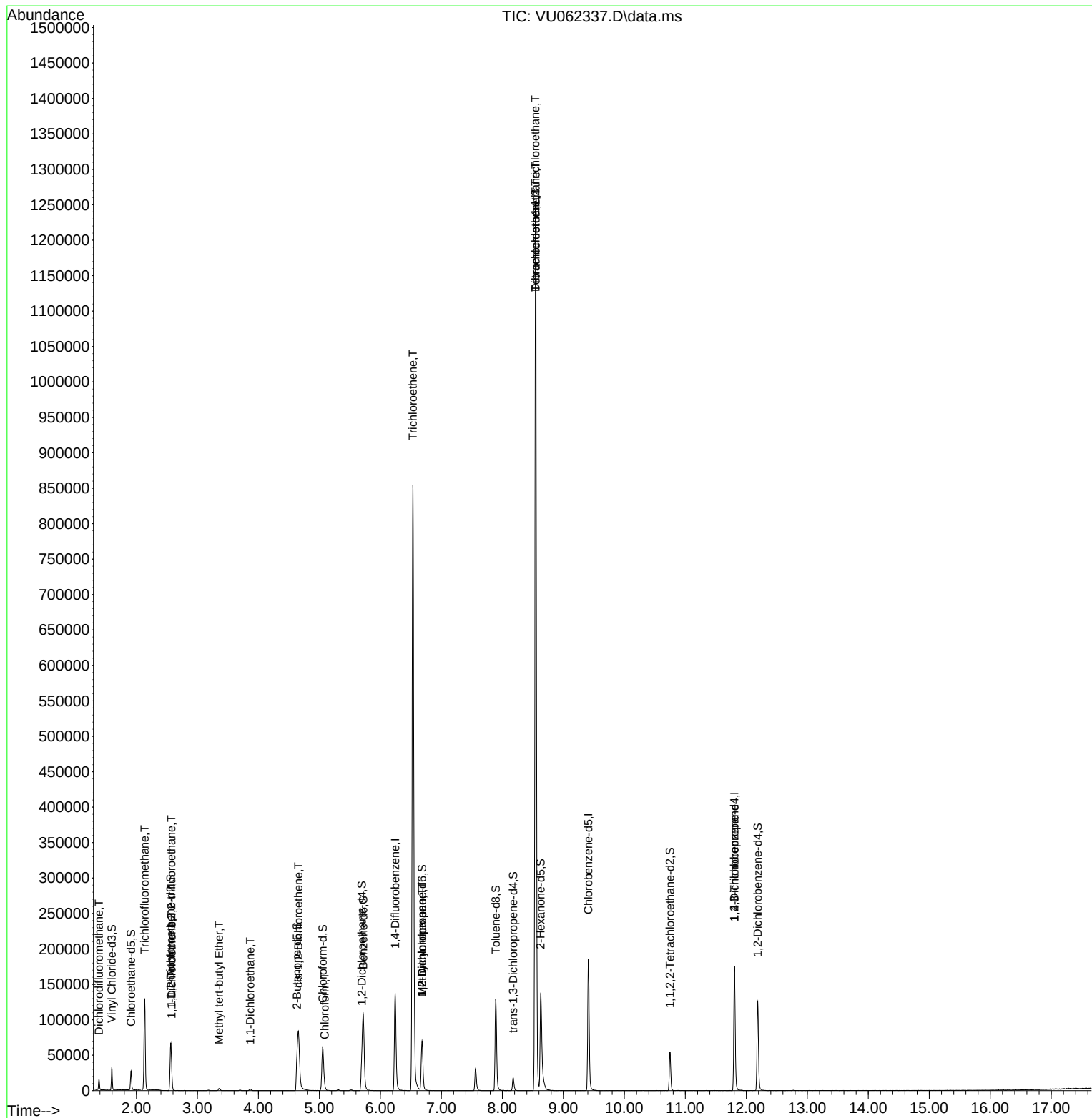
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	113656	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	108539	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	51210	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	21520	2.807	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.200%
7) Chloroethane-d5	1.911	69	19608	3.596	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.000%
11) 1,1-Dichloroethene-d2	2.560	65	11320	3.104	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.000%
20) 2-Butanone-d5	4.631	46	65134	44.333	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.660%
24) Chloroform-d	5.052	84	59485	3.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.800%
26) 1,2-Dichloroethane-d4	5.695	65	33052	4.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
32) Benzene-d6	5.718	84	104261	3.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.800%#
36) 1,2-Dichloropropane-d6	6.682	67	33121	3.703	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.000%
41) Toluene-d8	7.891	98	93372	3.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.200%#
43) trans-1,3-Dichloroprop...	8.177	79	12372	3.142	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.800%
46) 2-Hexanone-d5	8.627	63	51689	43.518	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	27596	3.965	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	36372	3.854	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	5955	0.559	ug/L	93
9) Trichlorofluoromethane	2.133	101	85871	5.694	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	1906	0.232	ug/L #	84
12) 1,1-Dichloroethene	2.576	96	4746	0.618	ug/L #	8
17) Methyl tert-butyl Ether	3.354	73	3425	0.179	ug/L	94
19) 1,1-Dichloroethane	3.866	63	2880	0.199	ug/L	90
22) cis-1,2-Dichloroethene	4.657	96	36574	4.138	ug/L	96
25) Chloroform	5.087	83	2858	0.176	ug/L	87
34) Trichloroethene	6.531	95	303216	31.824	ug/L	98
35) Methylcyclohexane	6.682	83	8688	0.615	ug/L #	25
37) 1,2-Dichloropropane	6.682	63	4095	0.500	ug/L #	87
45) 1,1,2-Trichloroethane	8.541	97	2552	0.413	ug/L #	19
47) Tetrachloroethene	8.544	164	278480	37.855	ug/L	96
49) Dibromochloromethane	8.544	129	274491	36.740	ug/L #	13
61) 1,2,3-Trichloropropane	11.804	75	5495	1.160	ug/L #	67

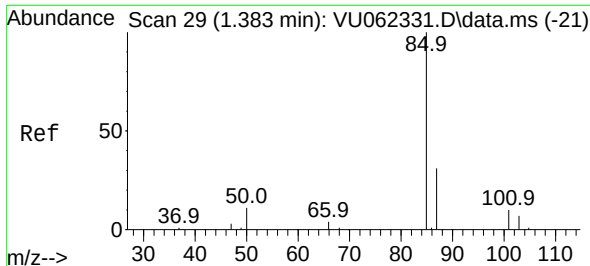
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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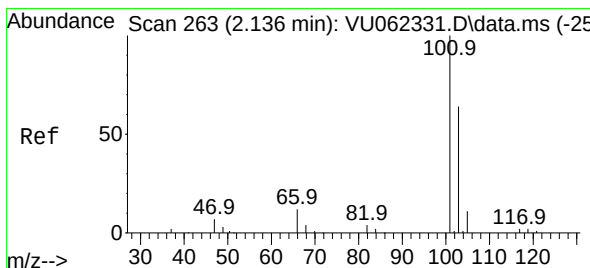
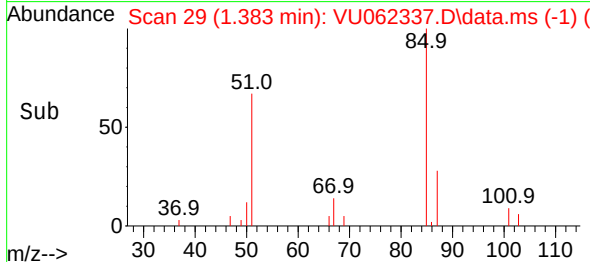
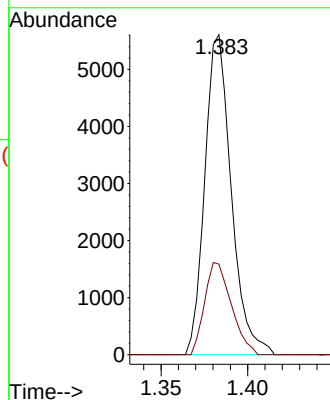
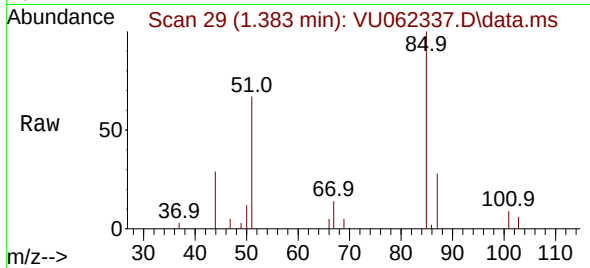




#2
 Dichlorodifluoromethane
 Concen: 0.559 ug/L
 RT: 1.383 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU062337.D
 Acq: 16 Dec 2024 12:23

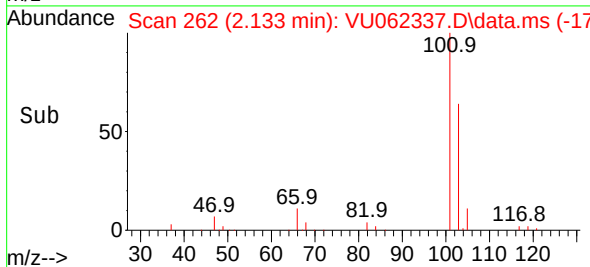
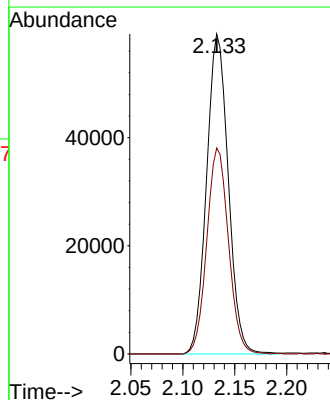
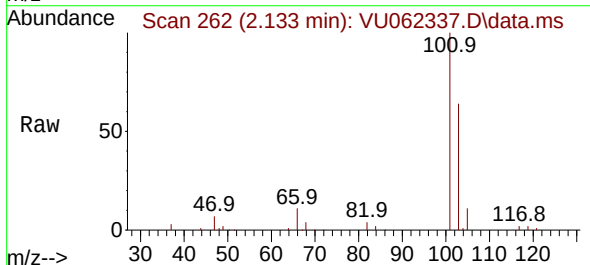
Instrument :
 MSVOA_U
 ClientSampleId :

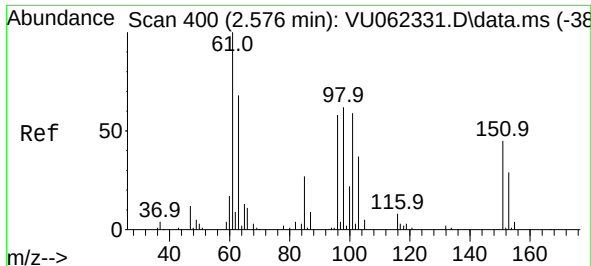
Tgt Ion: 85 Resp: 5955
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.6 40.0



#9
 Trichlorofluoromethane
 Concen: 5.694 ug/L
 RT: 2.133 min Scan# 262
 Delta R.T. -0.003 min
 Lab File: VU062337.D
 Acq: 16 Dec 2024 12:23

Tgt Ion:101 Resp: 85871
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.6 75.8

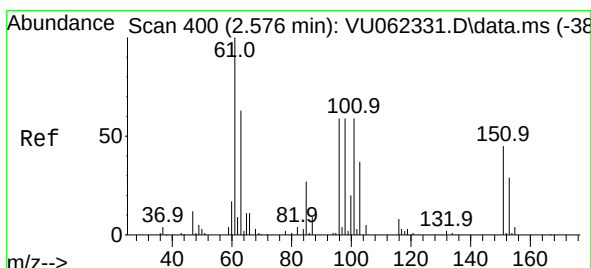
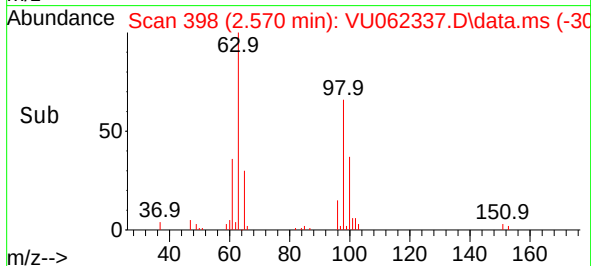
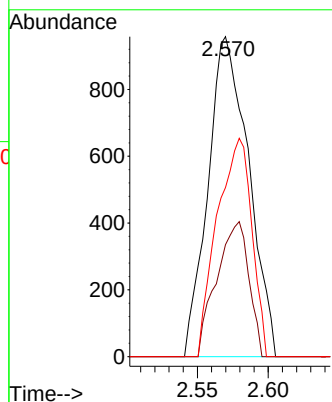
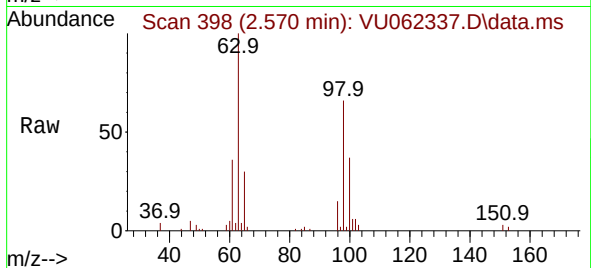




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.232 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU062337.D
 Acq: 16 Dec 2024 12:23

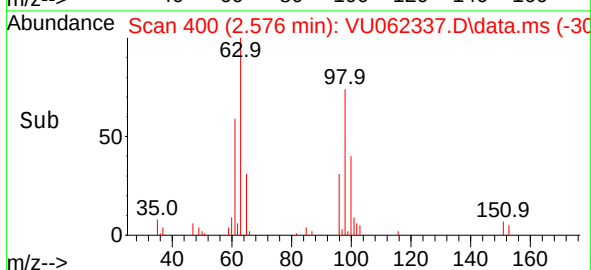
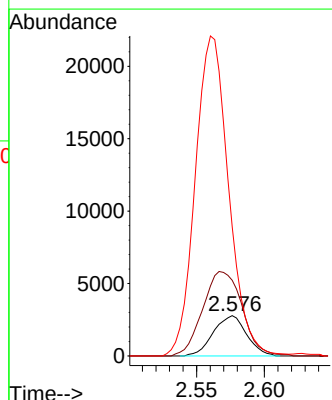
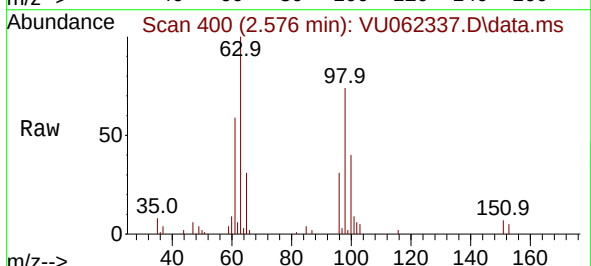
Instrument :
 MSVOA_U
 ClientSampleId :

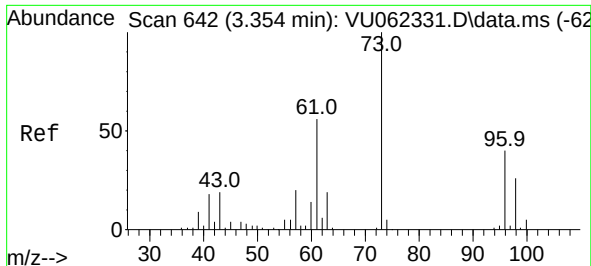
Tgt Ion:101 Resp: 1906
 Ion Ratio Lower Upper
 101 100
 85 33.5 38.0 57.0#
 151 58.2 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 0.618 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU062337.D
 Acq: 16 Dec 2024 12:23

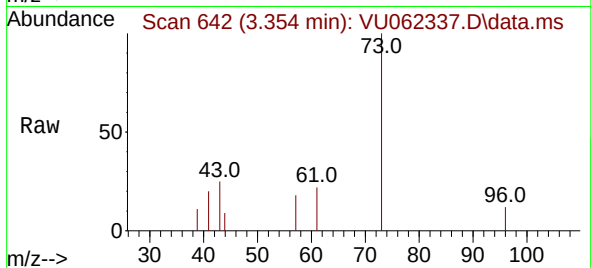
Tgt Ion: 96 Resp: 4746
 Ion Ratio Lower Upper
 96 100
 61 188.1 119.6 222.2
 63 321.2 65.0 120.6#



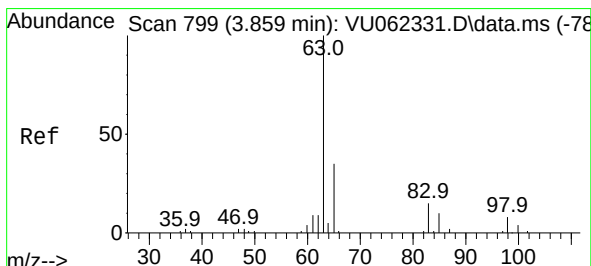
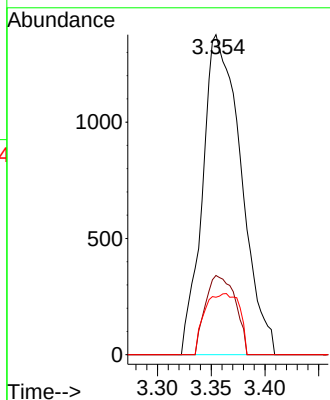
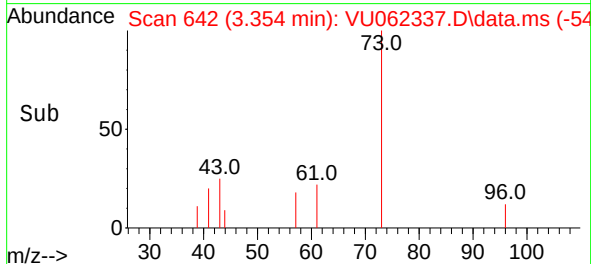


#17
Methyl tert-butyl Ether
Concen: 0.179 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23

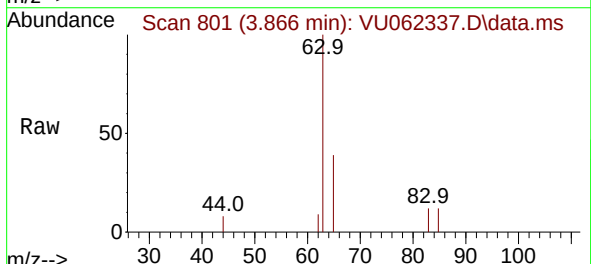
Instrument :
MSVOA_U
ClientSampleId :



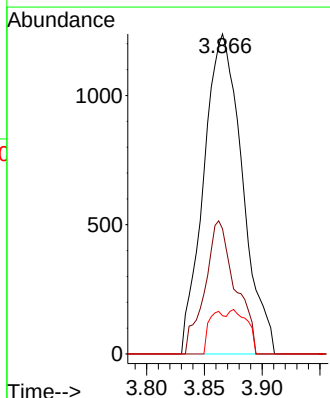
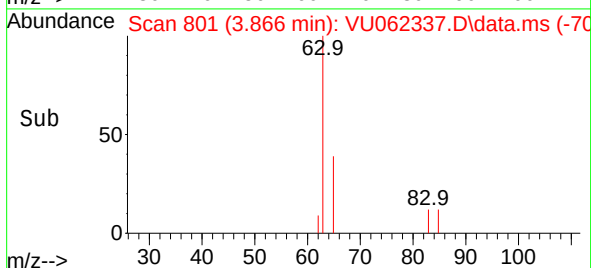
Tgt Ion: 73	Resp: 3425
Ion Ratio	Lower Upper
73	100
43	19.3 16.3 24.5
57	17.2 17.1 25.7

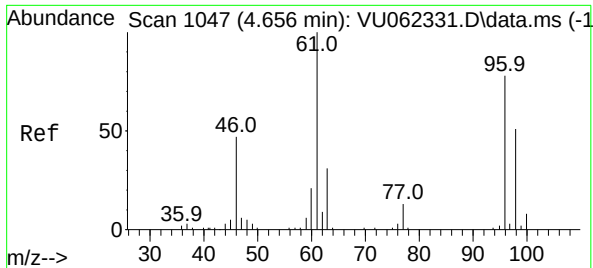


#19
1,1-Dichloroethane
Concen: 0.199 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.007 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23



Tgt Ion: 63	Resp: 2880
Ion Ratio	Lower Upper
63	100
65	39.1 22.7 42.3
83	12.0 9.9 18.3

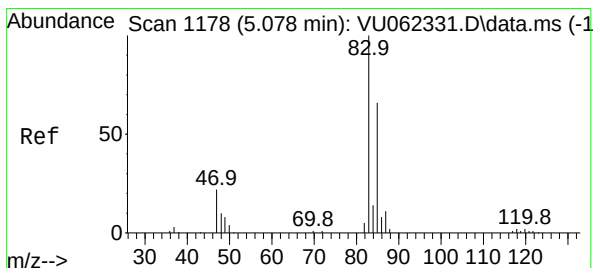
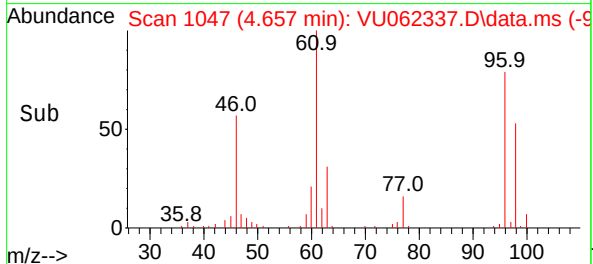
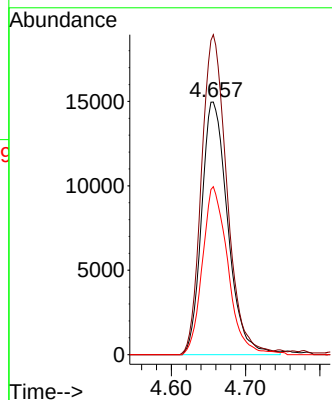
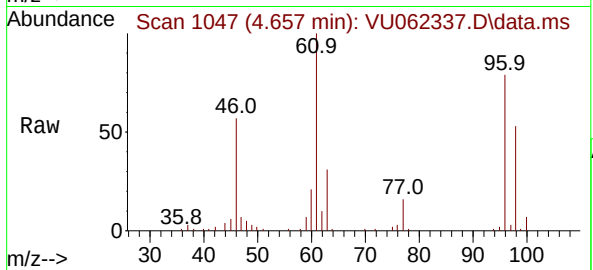




#22
cis-1,2-Dichloroethene
Concen: 4.138 ug/L
RT: 4.657 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23

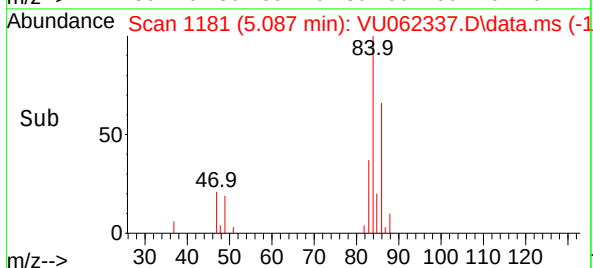
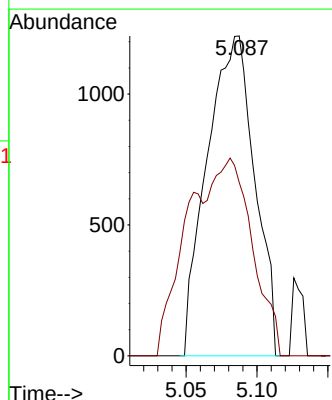
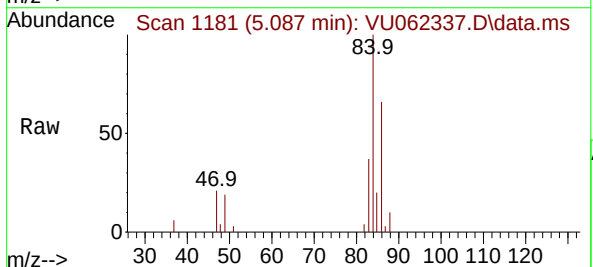
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MSVOA_U
ClientSampleId :

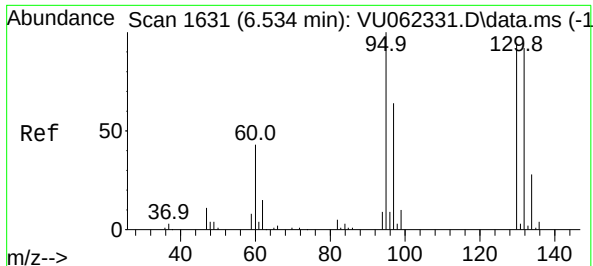
Tgt Ion: 96 Resp: 36574
Ion Ratio Lower Upper
96 100
61 126.6 92.0 170.8
98 66.5 44.5 82.7



#25
Chloroform
Concen: 0.176 ug/L
RT: 5.087 min Scan# 1181
Delta R.T. 0.010 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23

Tgt Ion: 83 Resp: 2858
Ion Ratio Lower Upper
83 100
85 54.2 45.4 84.2





#34

Trichloroethene

Concen: 31.824 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU062337.D

Acq: 16 Dec 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 303216

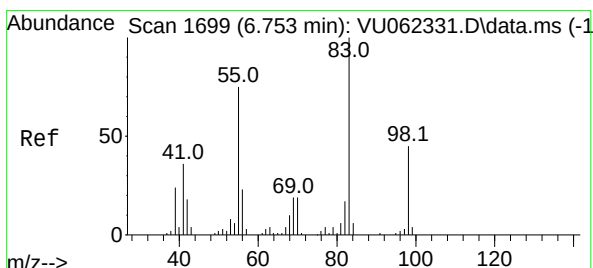
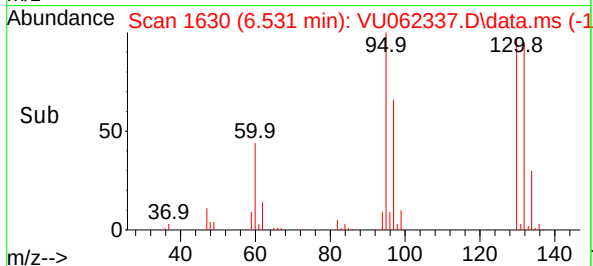
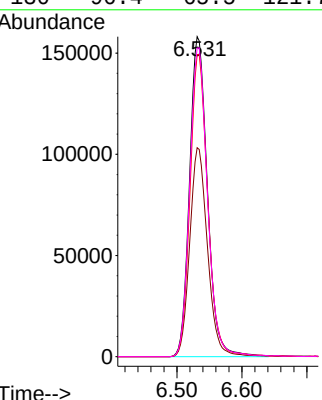
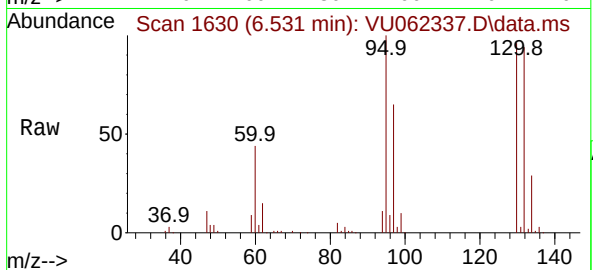
Ion Ratio Lower Upper

95 100

97 65.3 45.9 85.3

132 94.4 63.8 118.4

130 96.4 65.5 121.7



#35

Methylcyclohexane

Concen: 0.615 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.071 min

Lab File: VU062337.D

Acq: 16 Dec 2024 12:23

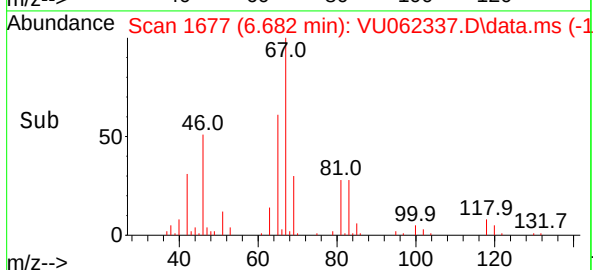
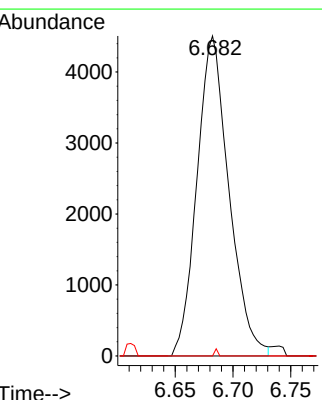
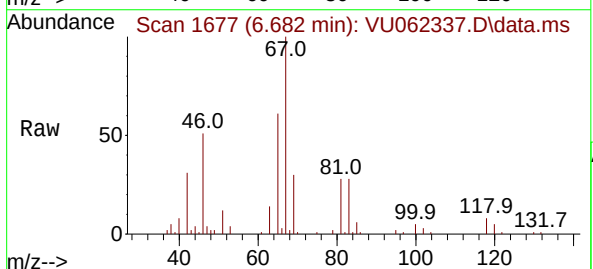
Tgt Ion: 83 Resp: 8688

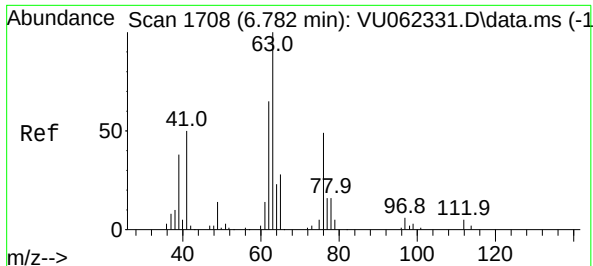
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 9.7 34.8 52.2#

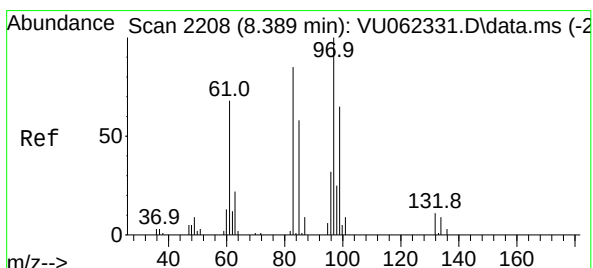
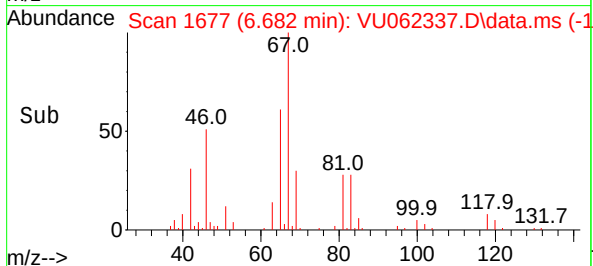
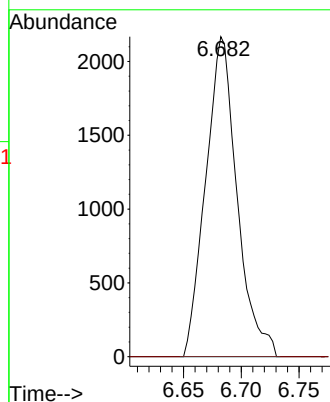
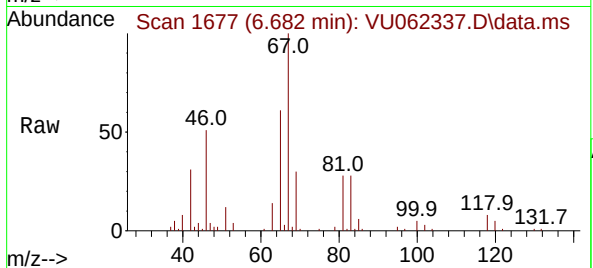




#37
1,2-Dichloropropane
Concen: 0.500 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.099 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23

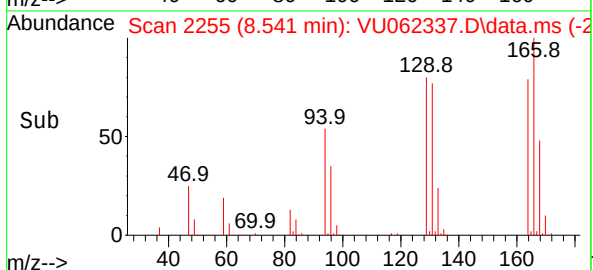
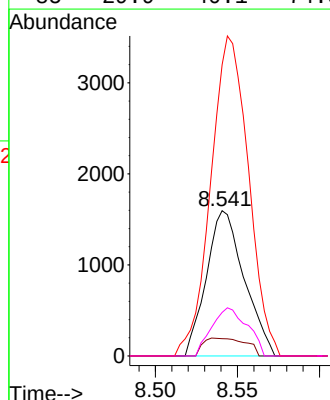
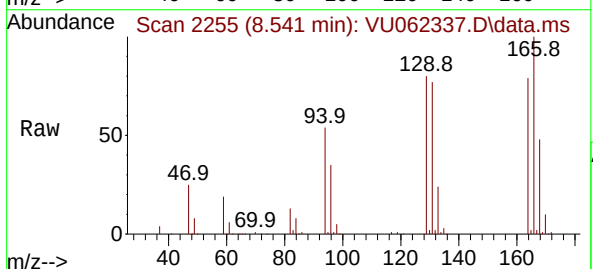
Instrument :
MSVOA_U
ClientSampleId :

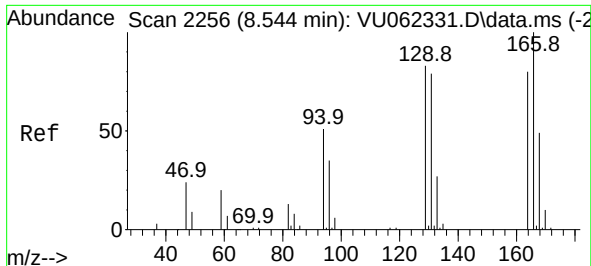
Tgt Ion: 63 Resp: 4095
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#45
1,1,2-Trichloroethane
Concen: 0.413 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. 0.151 min
Lab File: VU062337.D
Acq: 16 Dec 2024 12:23

Tgt Ion: 97 Resp: 2552
Ion Ratio Lower Upper
97 100
99 12.0 43.0 79.8#
83 200.4 61.7 114.5#
85 29.9 40.1 74.5#





#47

Tetrachloroethene

Concen: 37.855 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU062337.D

Acq: 16 Dec 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 278480

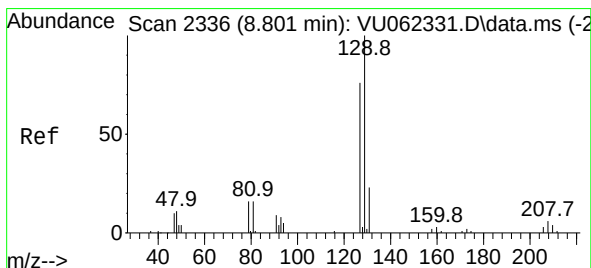
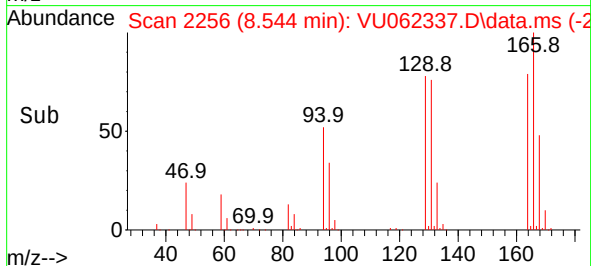
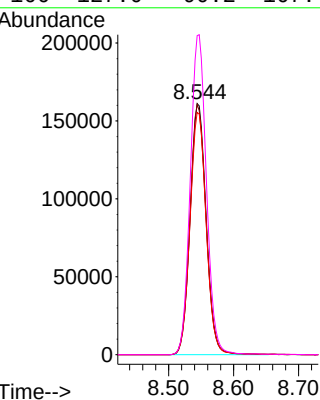
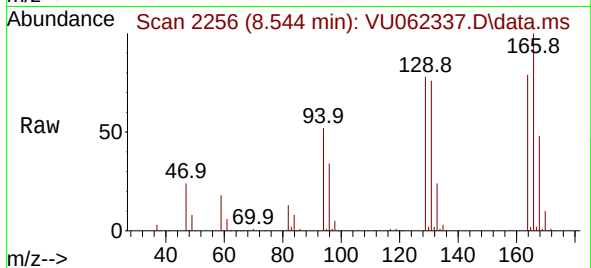
Ion Ratio Lower Upper

164 100

129 99.6 73.2 136.0

131 96.5 72.3 134.3

166 127.0 90.2 167.4



#49

Dibromochloromethane

Concen: 36.740 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.257 min

Lab File: VU062337.D

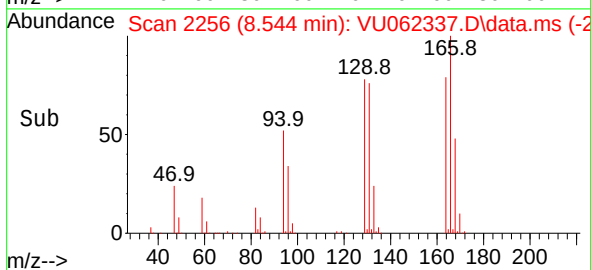
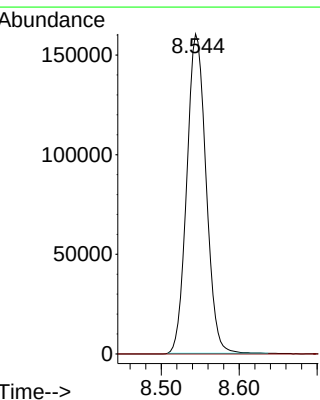
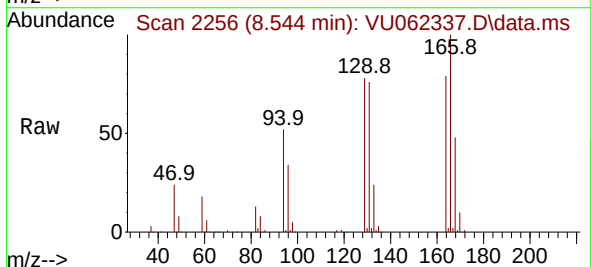
Acq: 16 Dec 2024 12:23

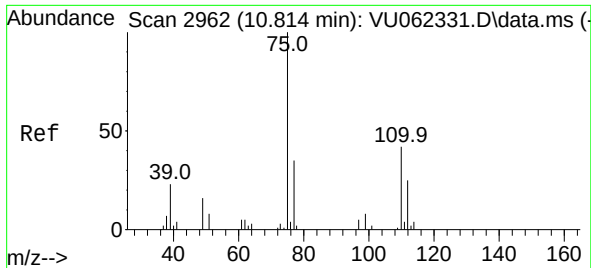
Tgt Ion:129 Resp: 274491

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#





#61

1,2,3-Trichloropropane

Concen: 1.160 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.990 min

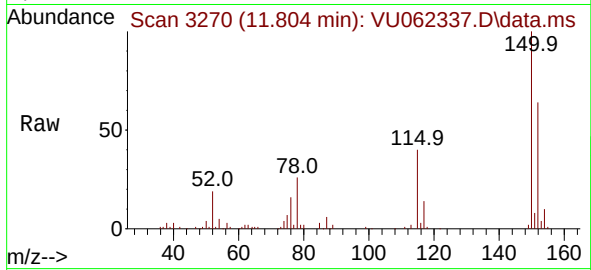
Lab File: VU062337.D

Acq: 16 Dec 2024 12:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 5495

Ion Ratio Lower Upper

75 100

110 0.0 28.9 43.3#

77 31.9 26.5 39.7

