

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112224\
 Data File : VU061997.D
 Acq On : 23 Nov 2024 02:15
 Operator : MD/SY
 Sample : P4904-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 03:18:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR112024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 23 00:14:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	122823	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	115591	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	52033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27081	4.495	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.000%
7) Chloroethane-d5	1.908	69	22248	4.174	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.560	65	13848	5.753	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.000%
20) 2-Butanone-d5	4.621	46	62750	33.168	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.340%
24) Chloroform-d	5.052	84	62056	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	5.695	65	32107	4.245	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.718	84	119539	5.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
36) 1,2-Dichloropropane-d6	6.682	67	37256	4.868	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.891	98	105320	5.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.200%
43) trans-1,3-Dichloroprop...	8.174	79	13146	4.640	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.627	63	43527	33.661	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.320%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28899	3.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	75.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	35670	4.636	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.136	101	262725	18.252	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	4478	0.506	ug/L	95
12) 1,1-Dichloroethene	2.573	96	2035	0.247	ug/L #	1
13) Acetone	2.354	43	199124	152.443	ug/L	43
16) Methylene chloride	3.039	84	10022	1.013	ug/L	91
17) Methyl tert-butyl Ether	3.354	73	28971	1.372	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	5131	0.589	ug/L	97
19) 1,1-Dichloroethane	3.862	63	11562	0.682	ug/L	94
22) cis-1,2-Dichloroethene	4.653	96	7665	0.782	ug/L	94
25) Chloroform	5.075	83	3357	0.189	ug/L	95
29) 1,1,1-Trichloroethane	5.306	97	14805	1.111	ug/L	96
34) Trichloroethene	6.534	95	52932	5.681	ug/L	98
35) Methylcyclohexane	6.679	83	8895	0.624	ug/L #	19
37) 1,2-Dichloropropane	6.682	63	4209	0.464	ug/L #	87
42) Toluene	7.962	91	9743	0.266	ug/L	95
47) Tetrachloroethene	8.547	164	22931	3.384	ug/L	95
49) Dibromochloromethane	8.544	129	23033	3.263	ug/L #	13
51) Chlorobenzene	9.441	112	4274	0.170	ug/L	88
53) m,p-Xylene	9.689	106	1869	0.121	ug/L	83

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 23 00:14:12 2024
Response via : Initial Calibration

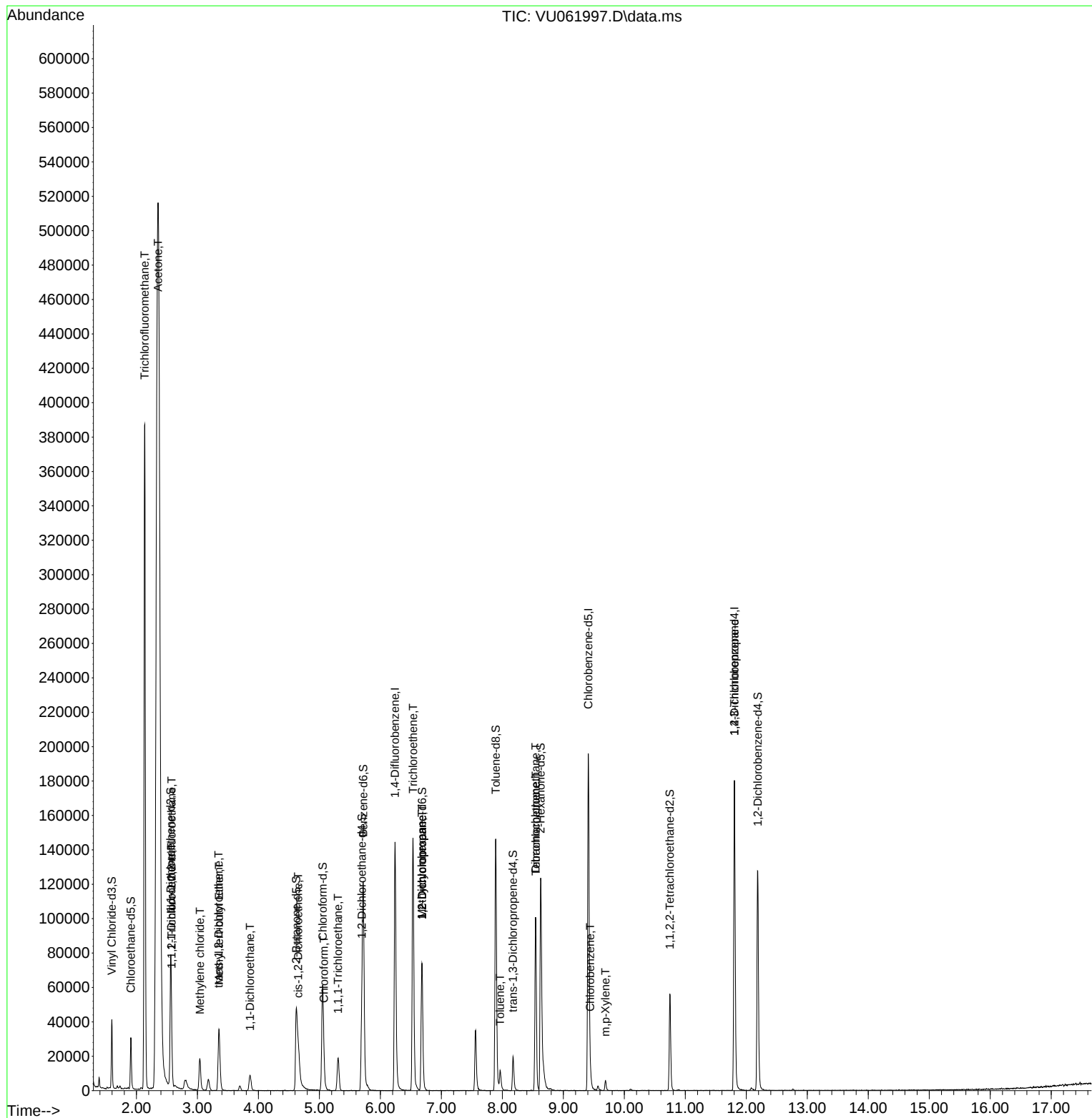
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.804	75	5883	0.978	ug/L #	69

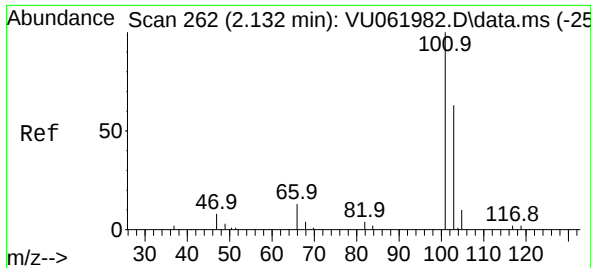
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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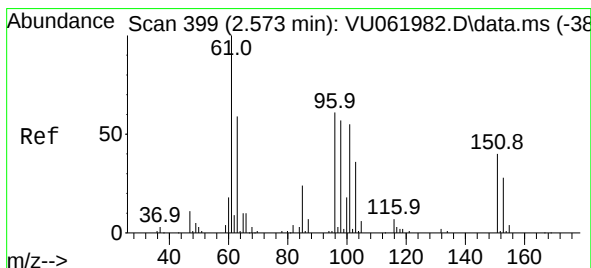
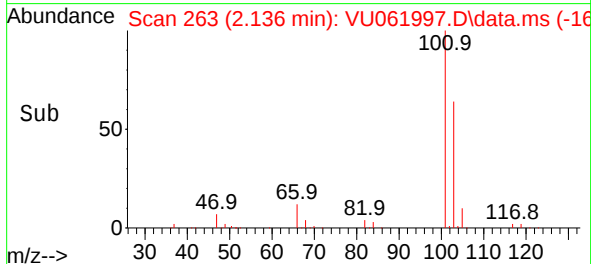
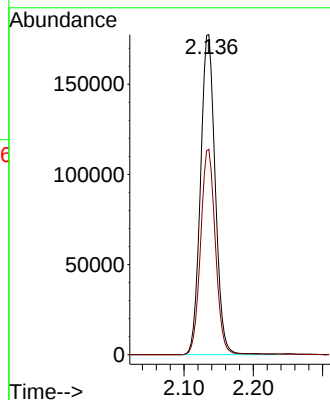
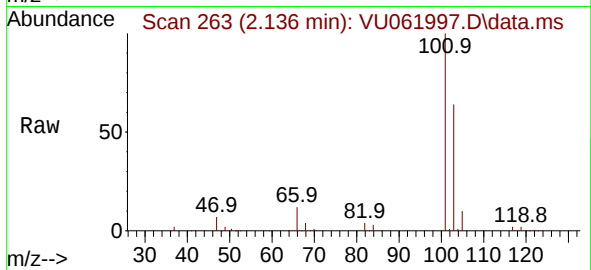




#9
 Trichlorofluoromethane
 Concen: 18.252 ug/L
 RT: 2.136 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VU061997.D
 Acq: 23 Nov 2024 02:15

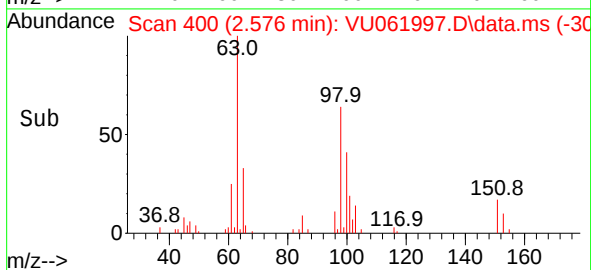
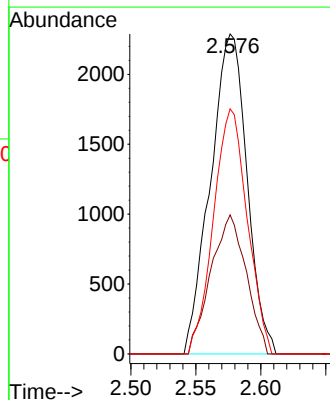
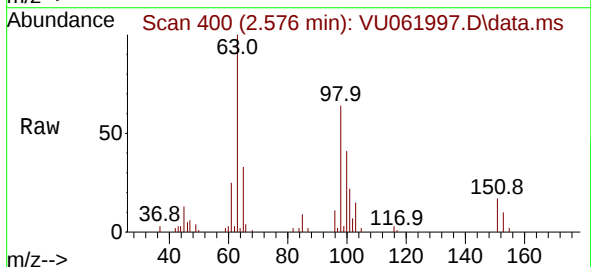
Instrument :
 MSVOA_U
 ClientSampleId :

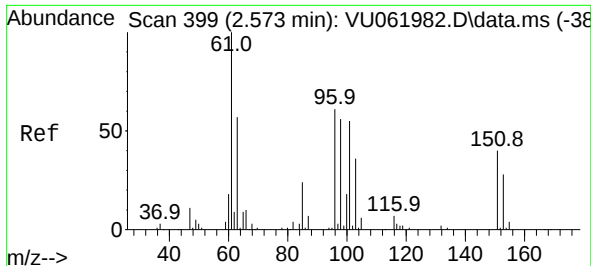
Tgt Ion:101 Resp: 262725
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.6 75.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.506 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU061997.D
 Acq: 23 Nov 2024 02:15

Tgt Ion:101 Resp: 4478
 Ion Ratio Lower Upper
 101 100
 85 41.9 38.0 57.0
 151 70.7 55.3 82.9





#12

1,1-Dichloroethene

Concen: 0.247 ug/L

RT: 2.573 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

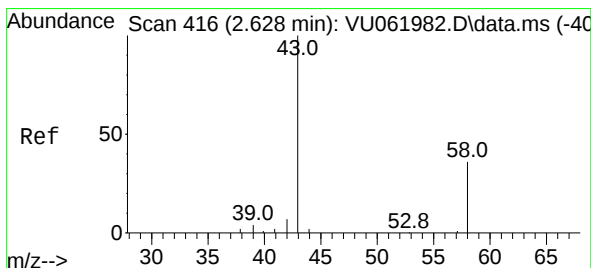
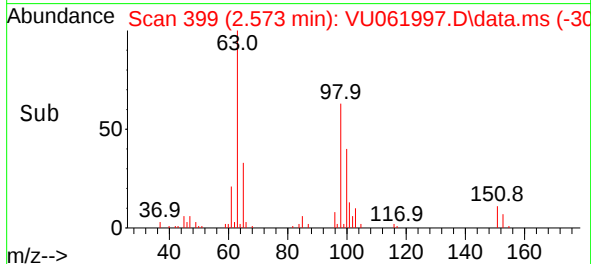
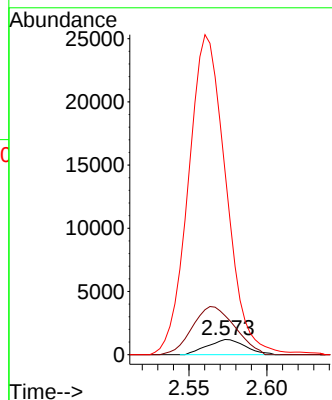
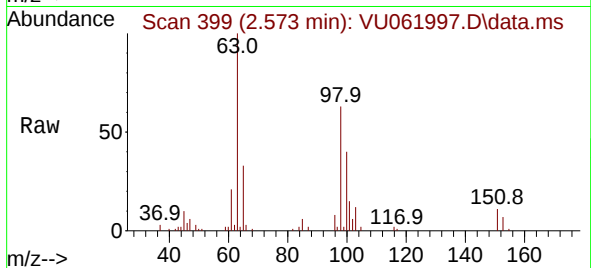
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 2035

Ion	Ratio	Lower	Upper
96	100		
61	215.0	119.6	222.2
63	1011.5	65.0	120.6#



#13

Acetone

Concen: 152.443 ug/L

RT: 2.354 min Scan# 331

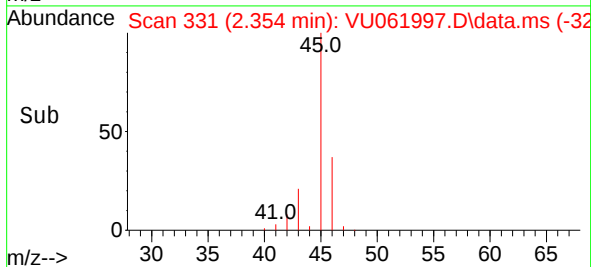
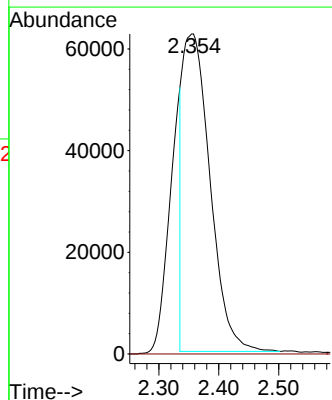
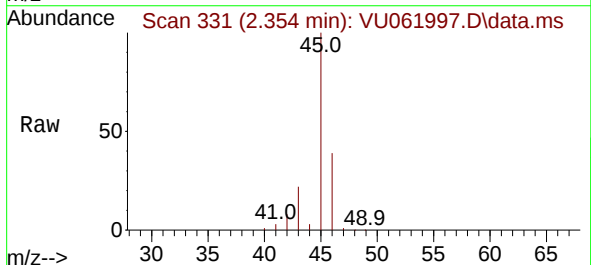
Delta R.T. -0.273 min

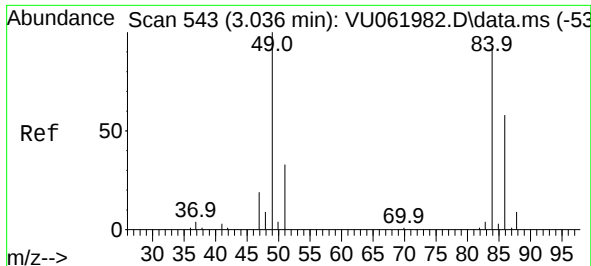
Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Tgt Ion: 43 Resp: 199124

Ion	Ratio	Lower	Upper
43	100		
58	0.3	0.0	64.0





#16

Methylene chloride

Concen: 1.013 ug/L

RT: 3.039 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Instrument :

MSVOA_U

ClientSampleId :

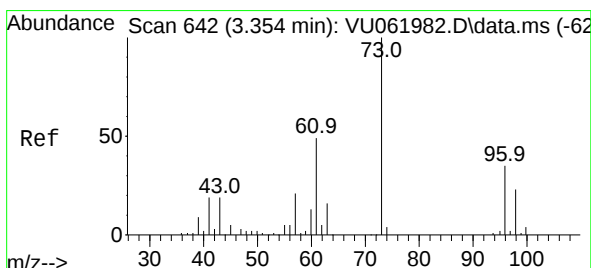
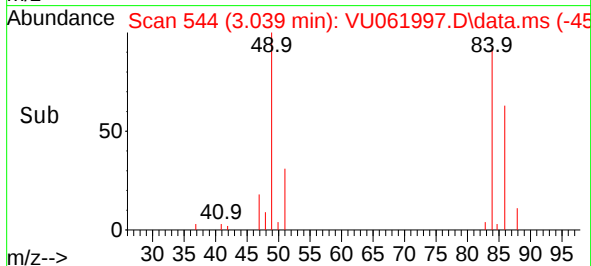
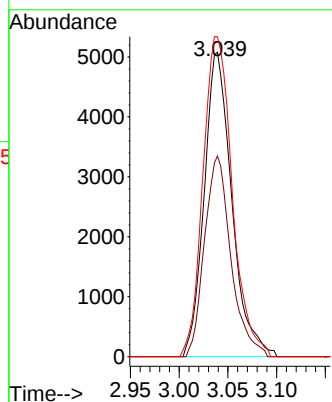
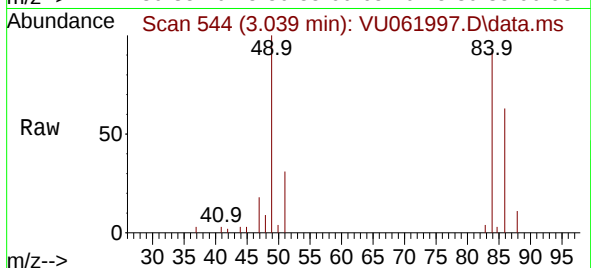
Tgt Ion: 84 Resp: 10022

Ion Ratio Lower Upper

84 100

86 65.9 43.5 80.7

49 105.1 81.9 152.1



#17

Methyl tert-butyl Ether

Concen: 1.372 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

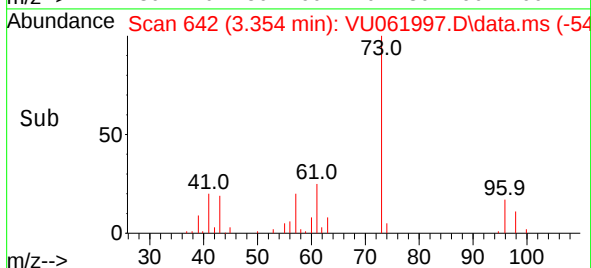
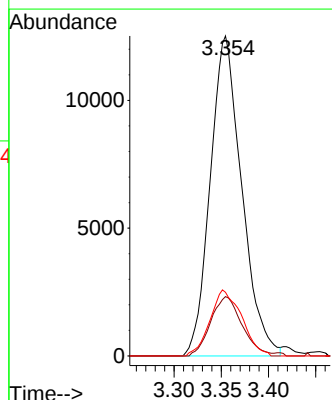
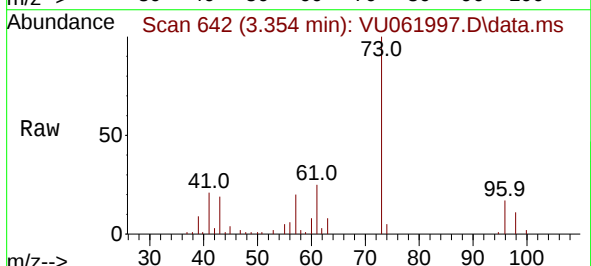
Tgt Ion: 73 Resp: 28971

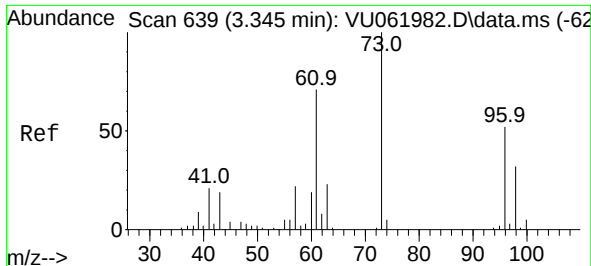
Ion Ratio Lower Upper

73 100

43 18.6 16.3 24.5

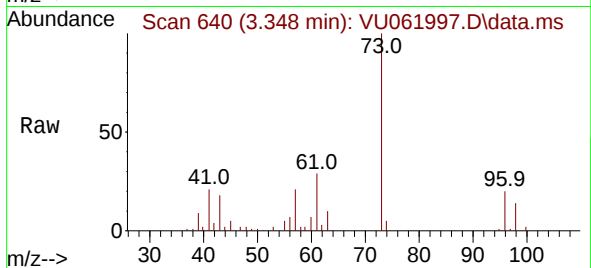
57 20.8 17.1 25.7



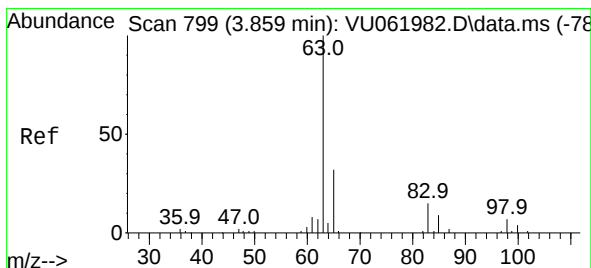
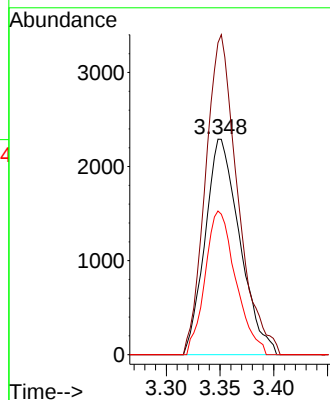
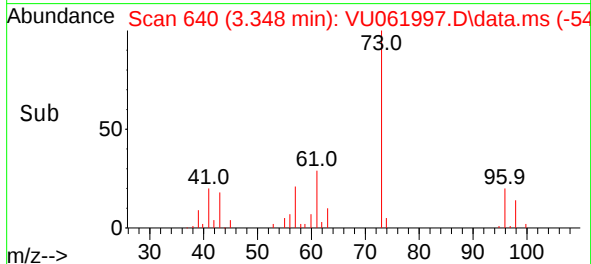


#18
trans-1,2-Dichloroethene
Concen: 0.589 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

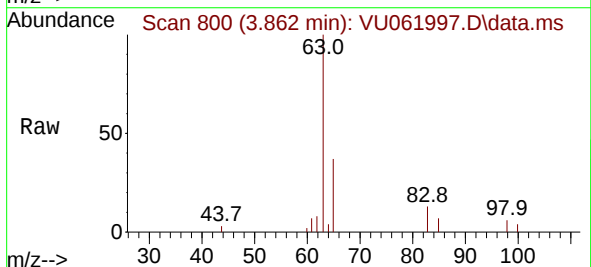
Instrument :
MSVOA_U
ClientSampleId :



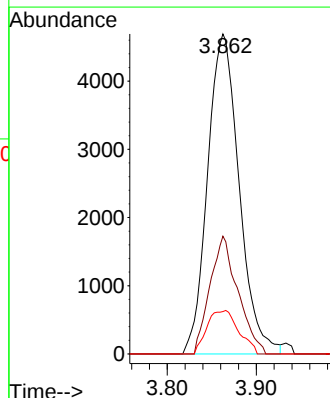
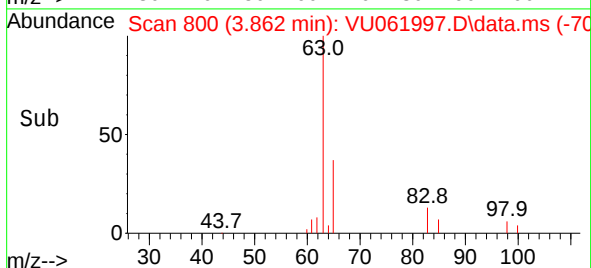
Tgt Ion:	96	Resp:	5131
Ion	Ratio	Lower	Upper
96	100		
61	144.6	104.2	193.4
98	66.6	45.7	84.9

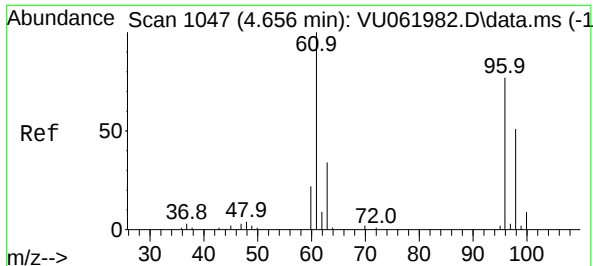


#19
1,1-Dichloroethane
Concen: 0.682 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15



Tgt Ion:	63	Resp:	11562
Ion	Ratio	Lower	Upper
63	100		
65	36.8	22.7	42.3
83	13.2	9.9	18.3

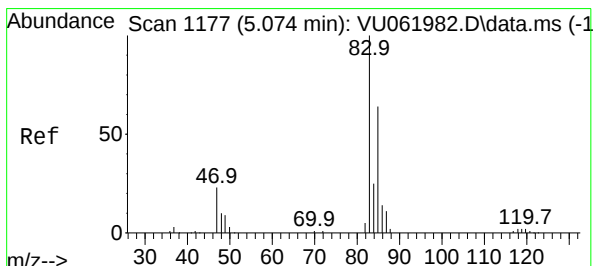
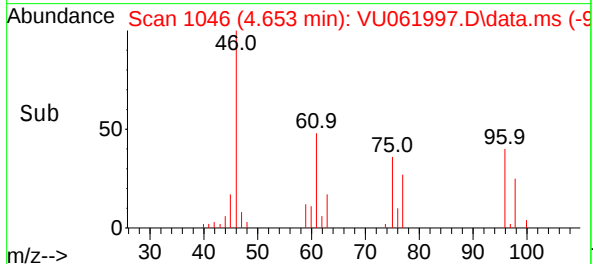
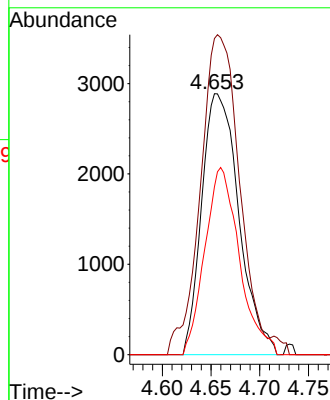
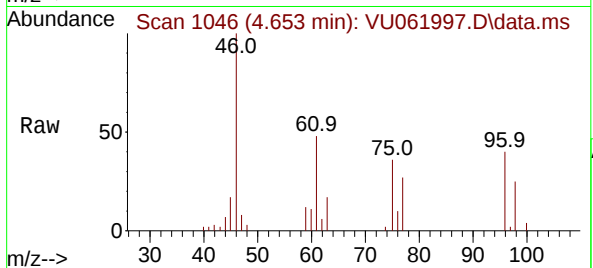




#22
cis-1,2-Dichloroethene
Concen: 0.782 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

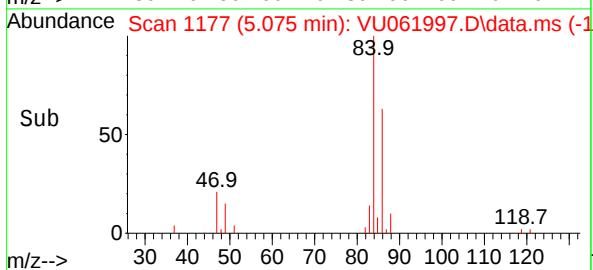
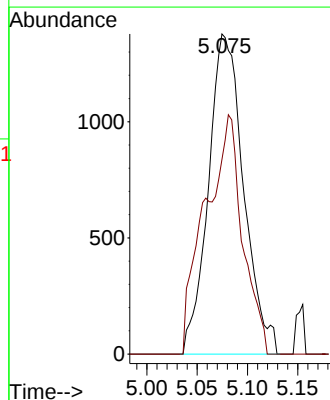
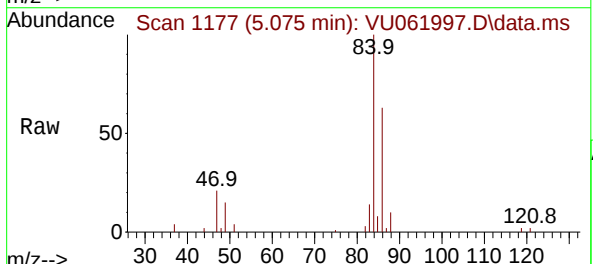
Instrument :
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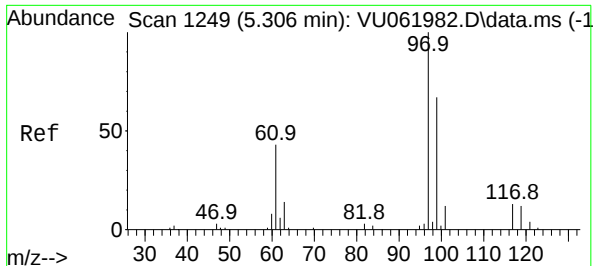
Tgt Ion: 96 Resp: 7665
Ion Ratio Lower Upper
96 100
61 121.2 92.0 170.8
98 64.4 44.5 82.7



#25
Chloroform
Concen: 0.189 ug/L
RT: 5.075 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

Tgt Ion: 83 Resp: 3357
Ion Ratio Lower Upper
83 100
85 60.8 45.4 84.2

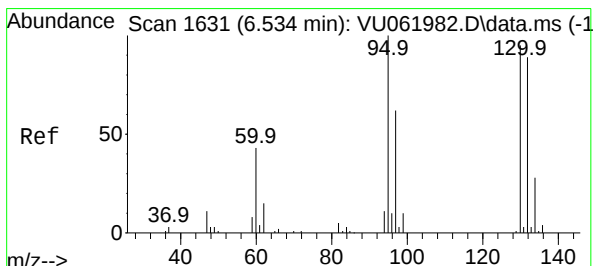
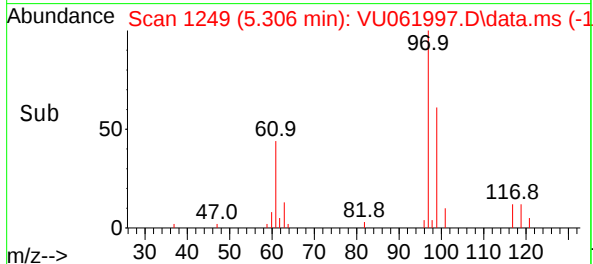
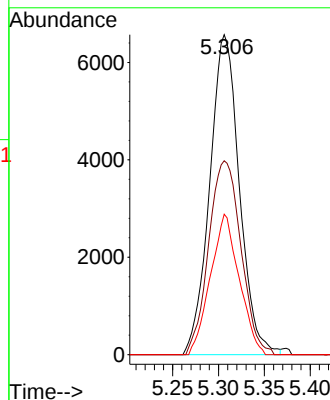
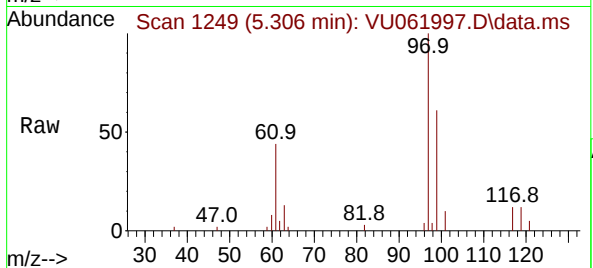




#29
1,1,1-Trichloroethane
Concen: 1.111 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

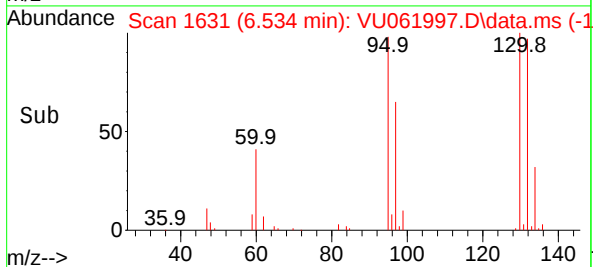
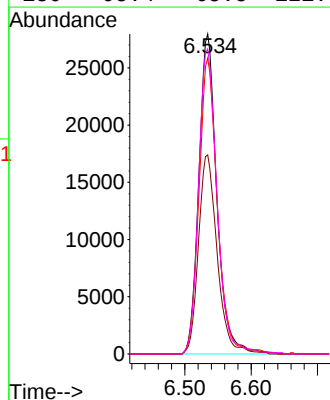
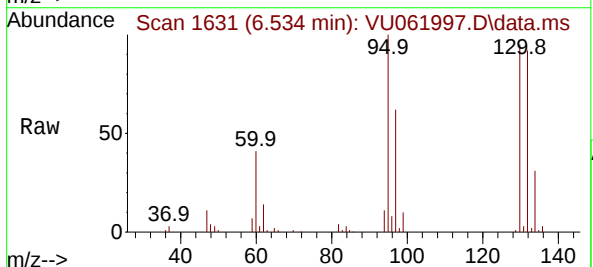
Instrument :
MSVOA_U
ClientSampleId :

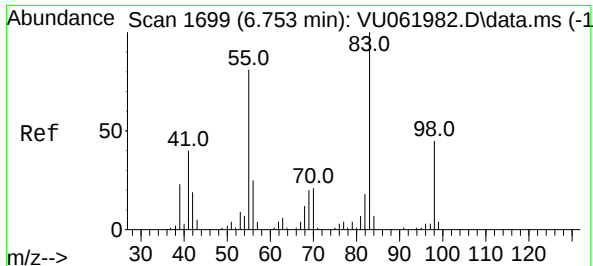
Tgt Ion: 97 Resp: 14805
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.2
61 42.5 37.8 56.6



#34
Trichloroethene
Concen: 5.681 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

Tgt Ion: 95 Resp: 52932
Ion Ratio Lower Upper
95 100
97 62.2 45.9 85.3
132 92.4 63.8 118.4
130 95.4 65.5 121.7

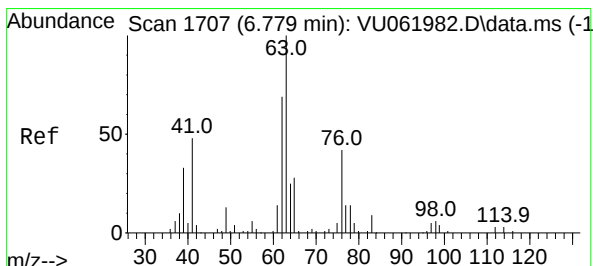
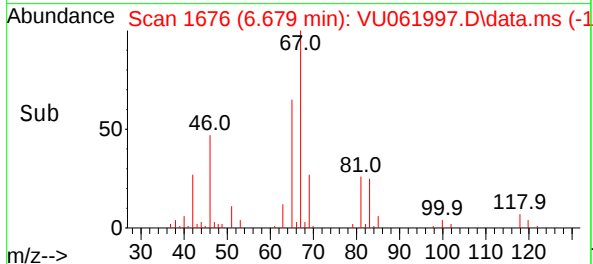
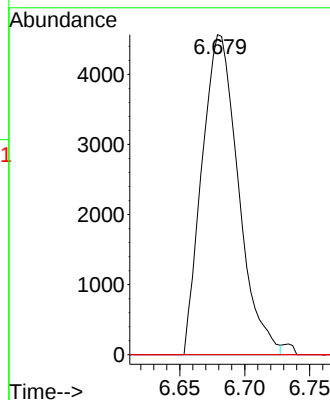
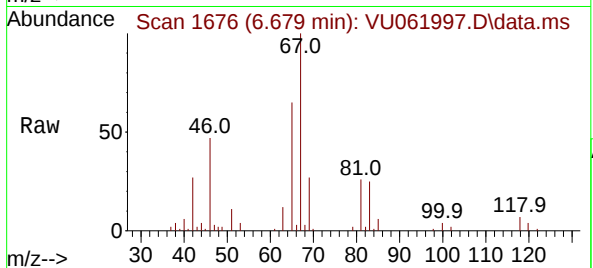




#35
Methylcyclohexane
Concen: 0.624 ug/L
RT: 6.679 min Scan# 1676
Delta R.T. -0.074 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

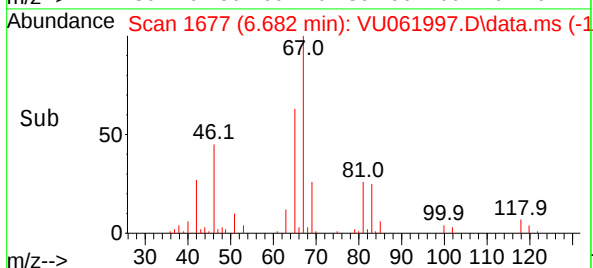
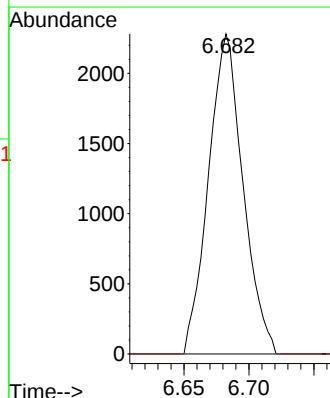
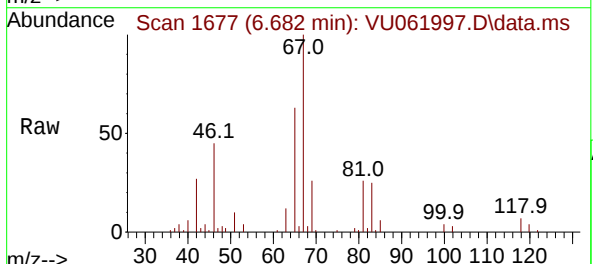
Instrument :
MSVOA_U
ClientSampleId :

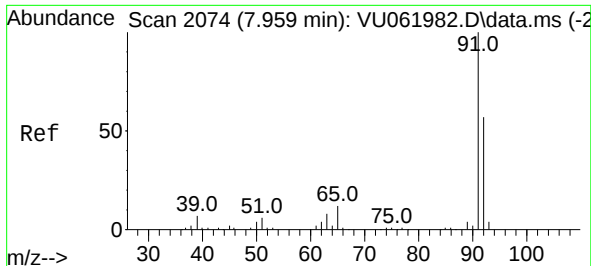
Tgt Ion: 83 Resp: 8895
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 0.0 34.8 52.2#



#37
1,2-Dichloropropane
Concen: 0.464 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.096 min
Lab File: VU061997.D
Acq: 23 Nov 2024 02:15

Tgt Ion: 63 Resp: 4209
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#42

Toluene

Concen: 0.266 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Instrument :

MSVOA_U

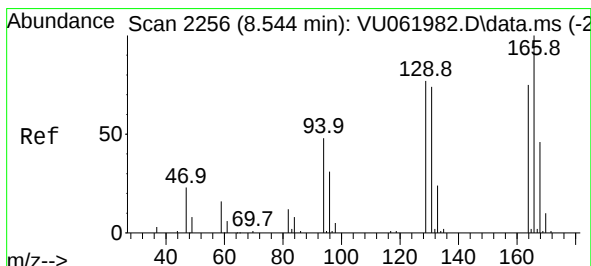
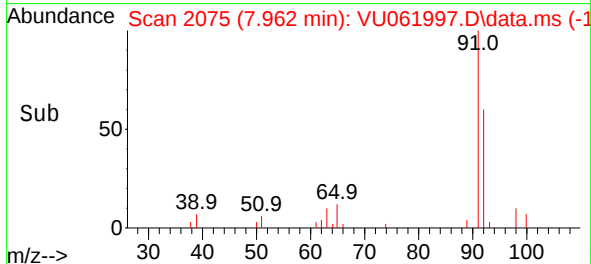
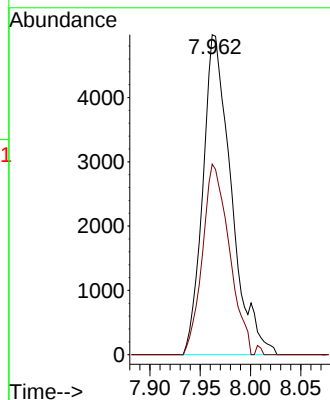
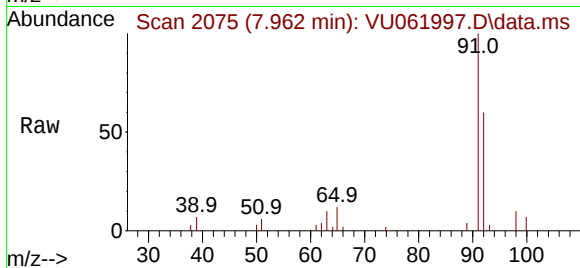
ClientSampleId :

Tgt Ion: 91 Resp: 9743

Ion Ratio Lower Upper

91 100

92 59.6 39.0 72.4



#47

Tetrachloroethene

Concen: 3.384 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Tgt Ion: 164 Resp: 22931

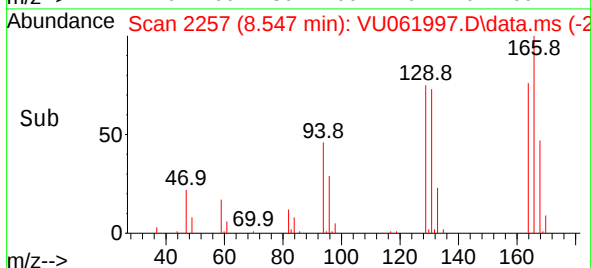
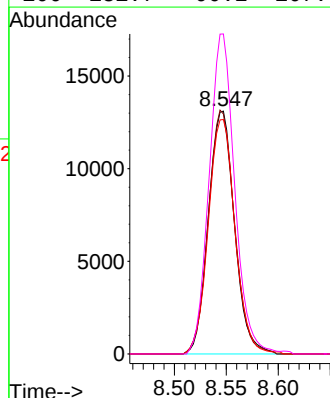
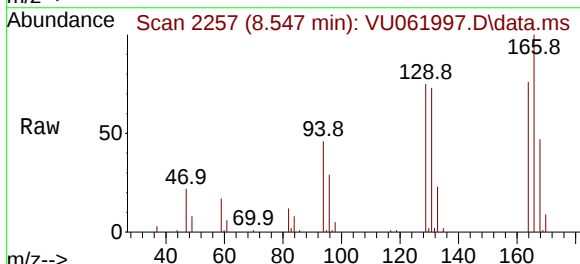
Ion Ratio Lower Upper

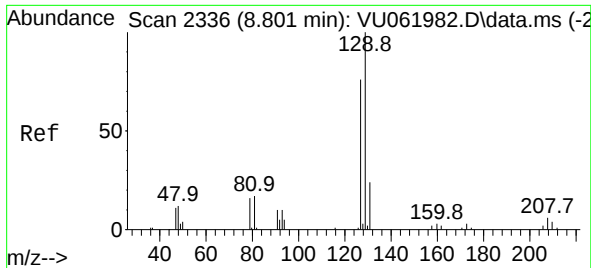
164 100

129 98.8 73.2 136.0

131 96.5 72.3 134.3

166 131.7 90.2 167.4





#49

Dibromochloromethane

Concen: 3.263 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Instrument :

MSVOA_U

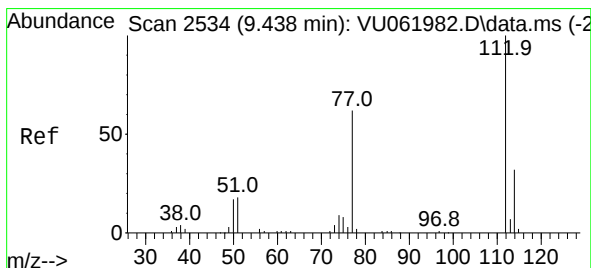
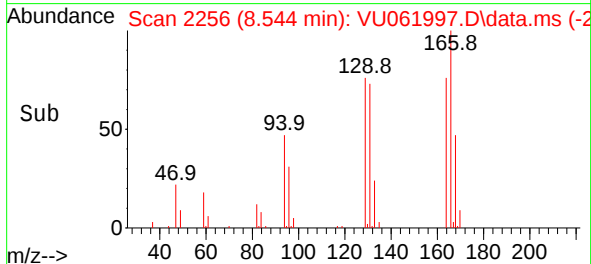
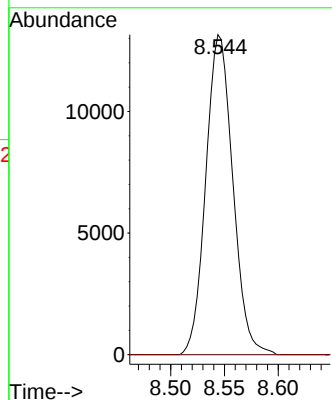
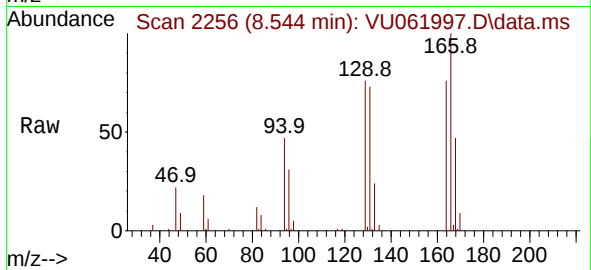
ClientSampleId :

Tgt Ion:129 Resp: 23033

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#51

Chlorobenzene

Concen: 0.170 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

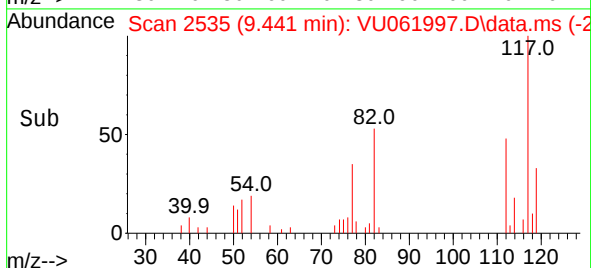
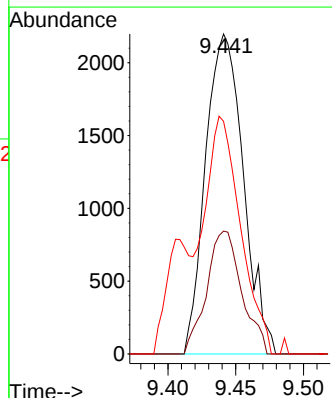
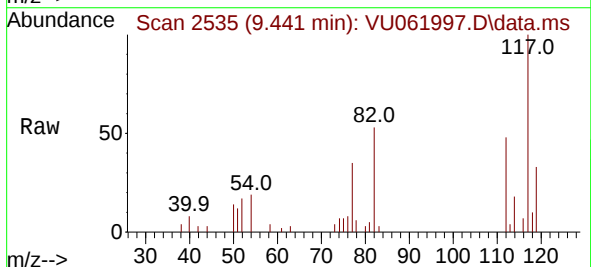
Tgt Ion:112 Resp: 4274

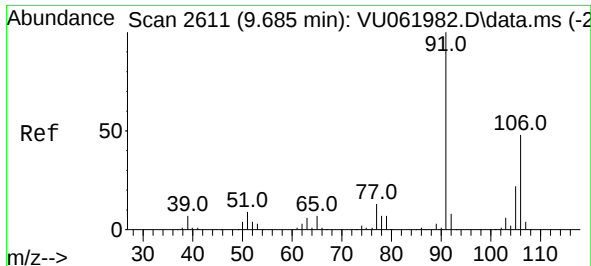
Ion Ratio Lower Upper

112 100

114 38.4 23.0 42.6

77 72.7 50.5 75.7





#53

m,p-Xylene

Concen: 0.121 ug/L

RT: 9.689 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Instrument :

MSVOA_U

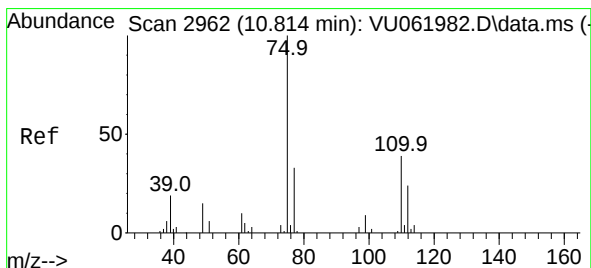
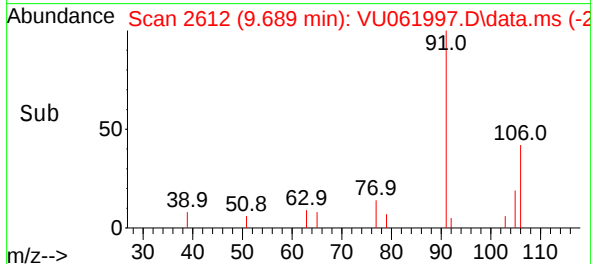
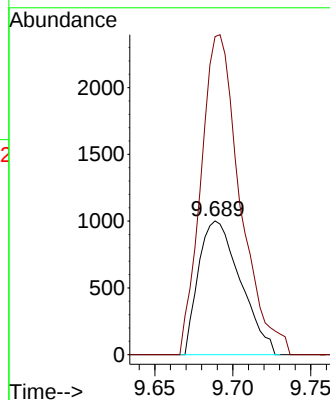
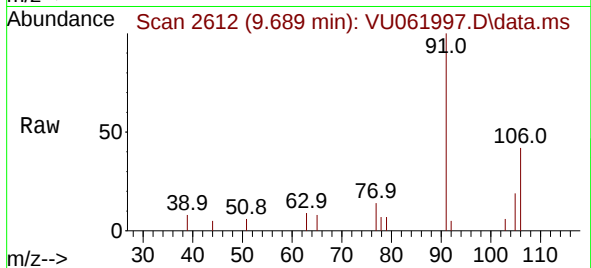
ClientSampleId :

Tgt Ion:106 Resp: 1869

Ion Ratio Lower Upper

106 100

91 238.0 147.6 274.0



#61

1,2,3-Trichloropropane

Concen: 0.978 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU061997.D

Acq: 23 Nov 2024 02:15

Tgt Ion: 75 Resp: 5883

Ion Ratio Lower Upper

75 100

110 1.7 28.9 43.3#

77 32.3 26.5 39.7

