

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061067.D
 Acq On : 02 Oct 2024 11:36
 Operator : MD/SY
 Sample : P4227-11DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 03 06:28:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 03 06:26:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	186439	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	175713	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	84327	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	59062	4.431	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.911	69	44542	4.464	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.551	65	26304	4.473	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.400%
20) 2-Butanone-d5	4.634	46	155532	48.712	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.420%
24) Chloroform-d	5.052	84	107925	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	58450	4.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
32) Benzene-d6	5.718	84	216762	4.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.682	67	72373	4.757	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.891	98	198157	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.177	79	30070	4.622	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.640	63	133258	49.487	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	53945	4.835	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	65147	4.832	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	7999	0.607	ug/L #	80
12) 1,1-Dichloroethene	2.563	96	2078	0.193	ug/L #	1
16) Methylene chloride	3.039	84	3237	0.262	ug/L	93
18) trans-1,2-Dichloroethene	3.348	96	3404	0.288	ug/L	97
19) 1,1-Dichloroethane	3.856	63	120430	5.244	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	42846	3.260	ug/L	95
27) 1,2-Dichloroethane	5.788	62	18258	1.205	ug/L	97
33) Benzene	5.766	78	26787	0.517	ug/L	100
34) Trichloroethene	6.538	95	7332	0.522	ug/L	92
35) Methylcyclohexane	6.756	83	1762	0.078	ug/L #	81
37) 1,2-Dichloropropane	6.682	63	7821	0.573	ug/L #	93
49) Dibromochloromethane	8.547	129	3161	0.300	ug/L #	9
51) Chlorobenzene	9.441	112	66386	1.975	ug/L	94
60) Isopropylbenzene	10.483	105	3708	0.066	ug/L #	84
61) 1,2,3-Trichloropropane	11.743	75	2531	0.306	ug/L #	46
63) 1,2,4-Trimethylbenzene	11.467	105	2648	0.053	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	7414	0.307	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	12511	0.524	ug/L	92
71) Naphthalene	14.094	128	6841	0.321	ug/L	96

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Response via : Initial Calibration

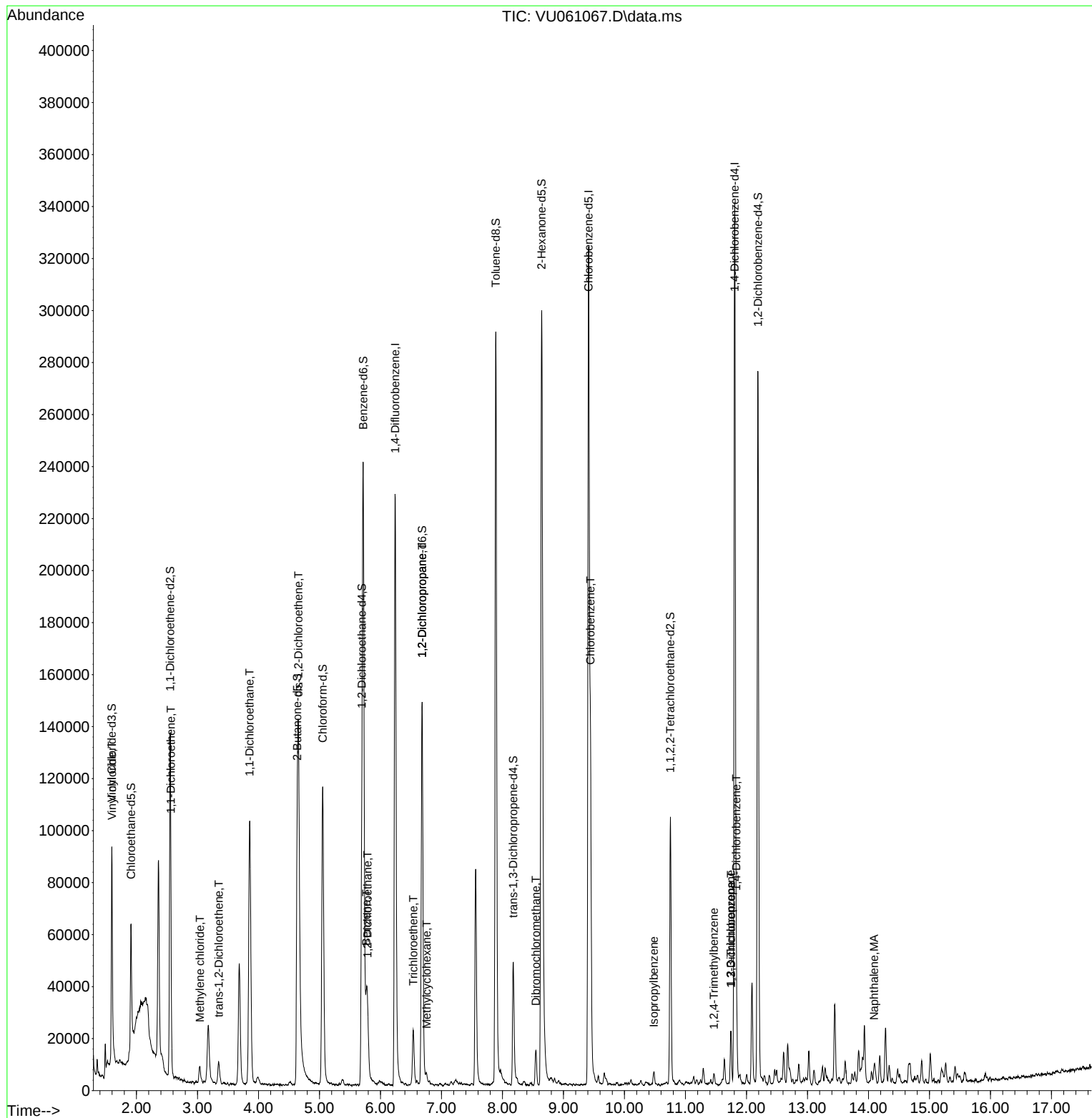
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

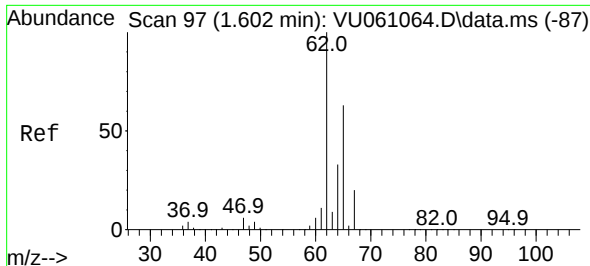
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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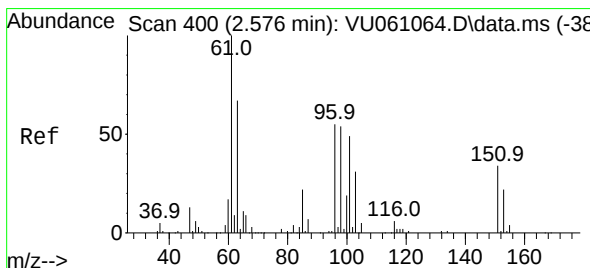
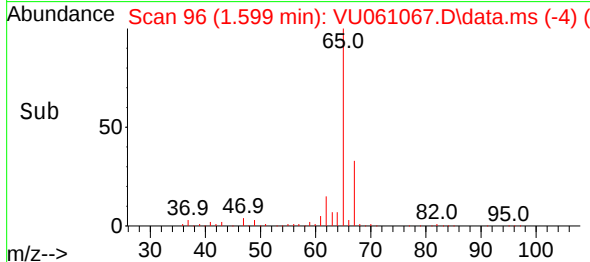
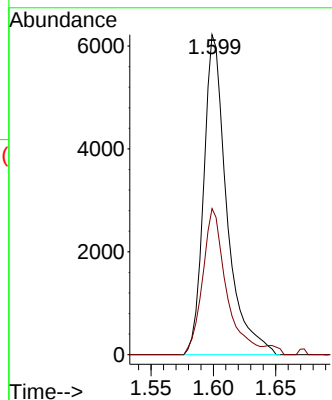
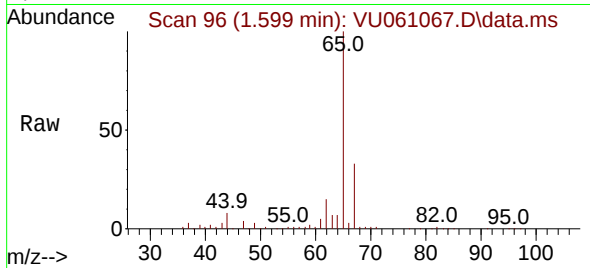




#5
 Vinyl chloride
 Concen: 0.607 ug/L
 RT: 1.599 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU061067.D
 Acq: 02 Oct 2024 11:36

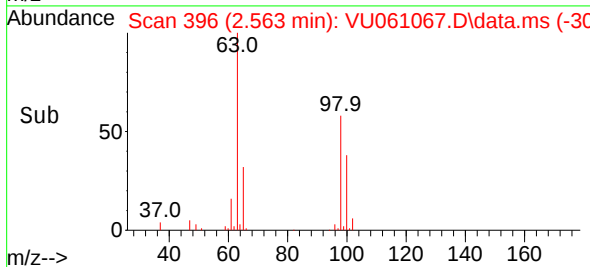
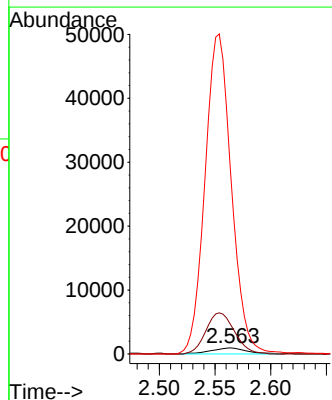
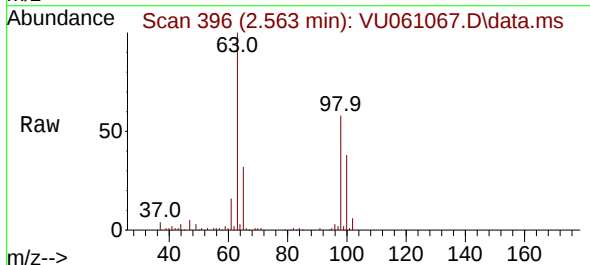
Instrument :
 MSVOA_U
 ClientSampleId :

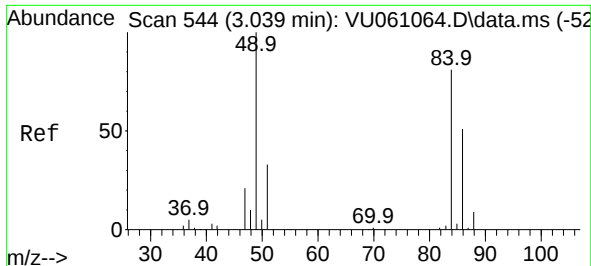
Tgt Ion: 62 Resp: 7999
 Ion Ratio Lower Upper
 62 100
 64 45.7 24.0 44.6#



#12
 1,1-Dichloroethene
 Concen: 0.193 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.013 min
 Lab File: VU061067.D
 Acq: 02 Oct 2024 11:36

Tgt Ion: 96 Resp: 2078
 Ion Ratio Lower Upper
 96 100
 61 505.2 120.7 224.1#
 63 3162.6 90.0 167.2#

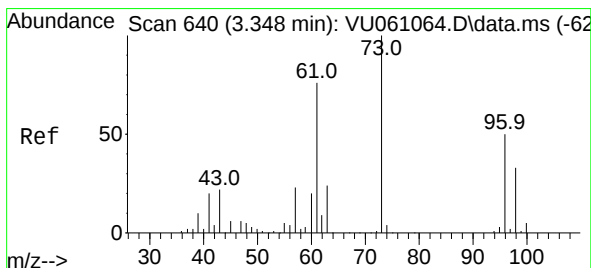
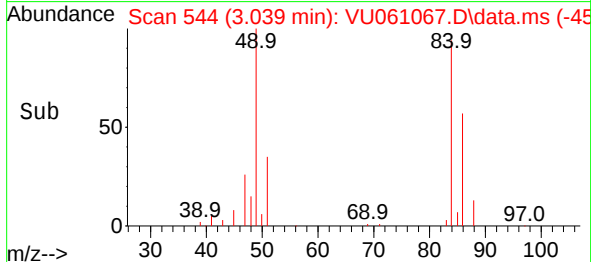
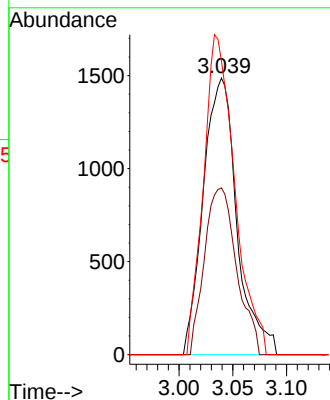
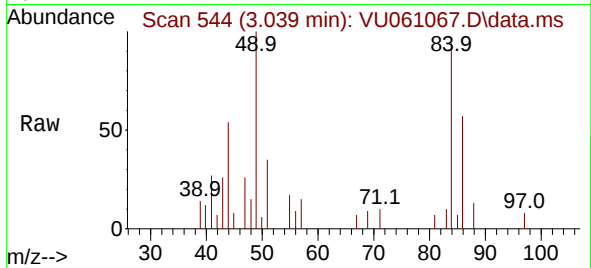




#16
Methylene chloride
Concen: 0.262 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

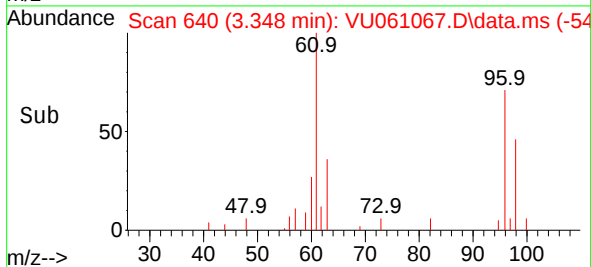
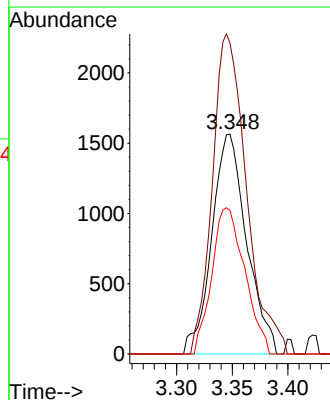
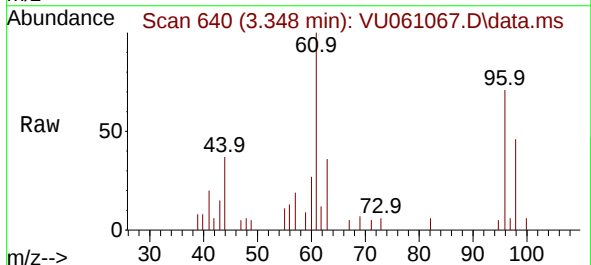
Instrument :
MSVOA_U
ClientSampleId :

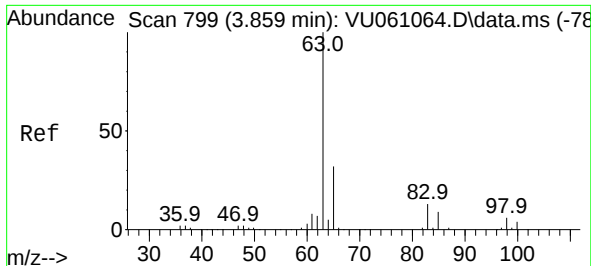
Tgt Ion: 84 Resp: 3237
Ion Ratio Lower Upper
84 100
86 60.3 47.3 87.8
49 106.1 78.7 146.1



#18
trans-1,2-Dichloroethene
Concen: 0.288 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

Tgt Ion: 96 Resp: 3404
Ion Ratio Lower Upper
96 100
61 141.5 97.2 180.6
98 65.3 43.3 80.5





#19

1,1-Dichloroethane

Concen: 5.244 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

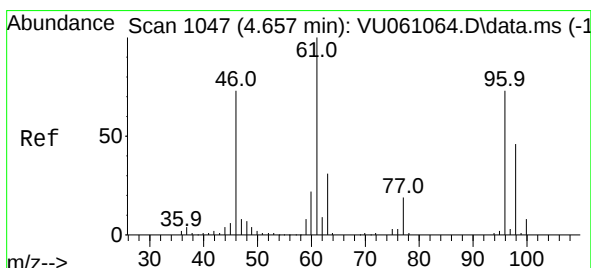
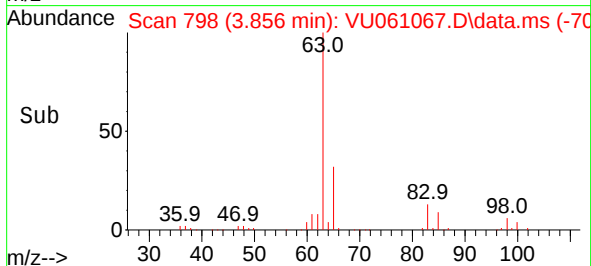
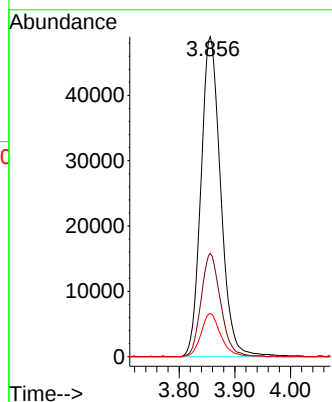
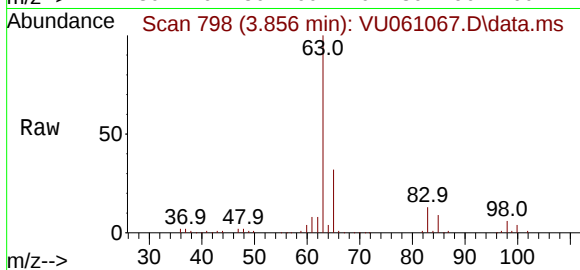
Tgt Ion: 63 Resp: 120430

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

83 13.5 9.0 16.6



#22

cis-1,2-Dichloroethene

Concen: 3.260 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

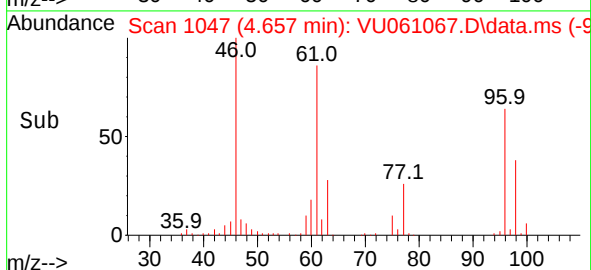
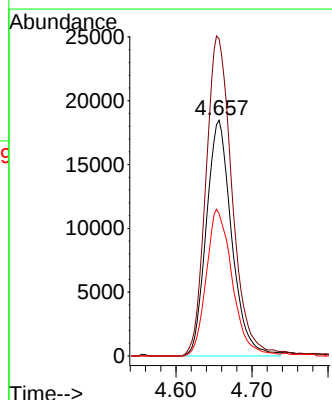
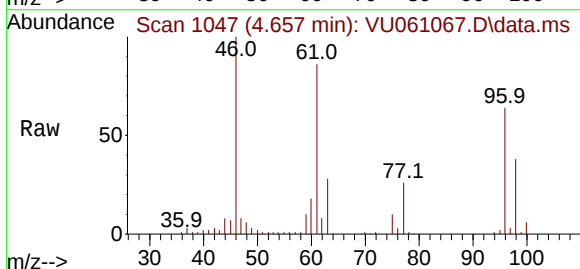
Tgt Ion: 96 Resp: 42846

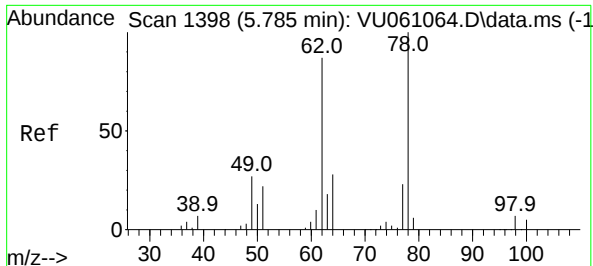
Ion Ratio Lower Upper

96 100

61 134.6 89.7 166.5

98 60.3 45.1 83.9

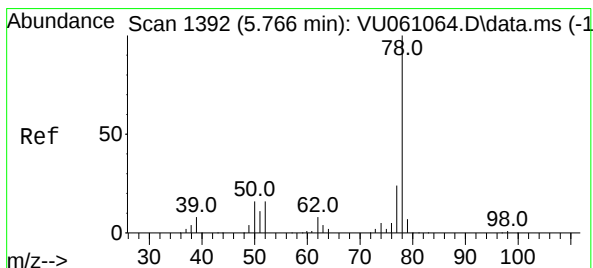
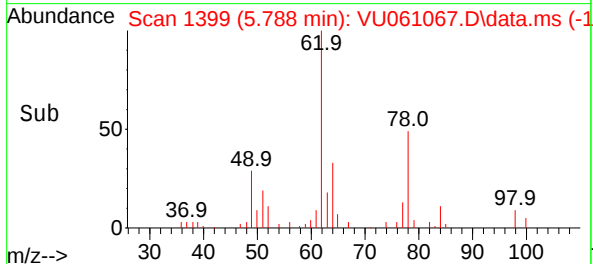
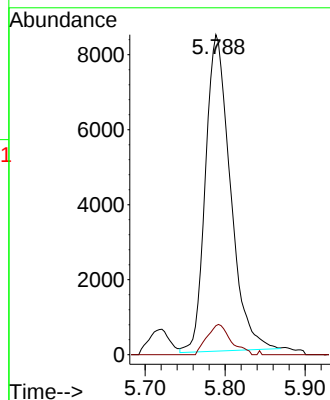
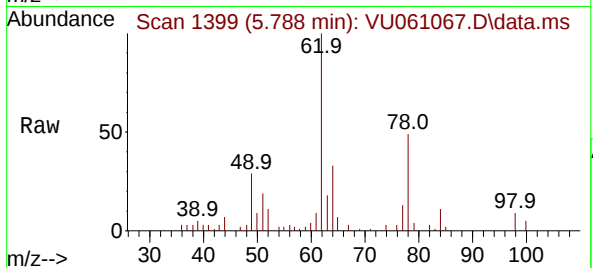




#27
1,2-Dichloroethane
Concen: 1.205 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

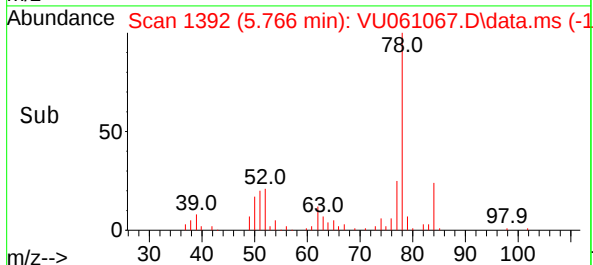
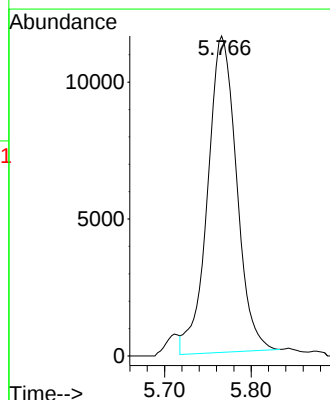
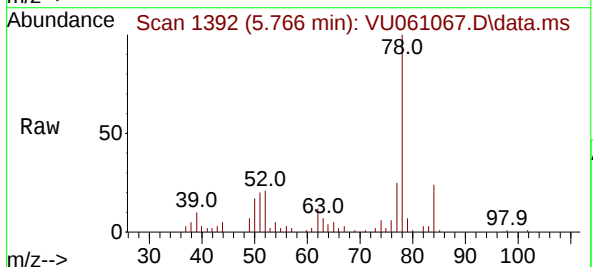
Instrument :
MSVOA_U
ClientSampleId :

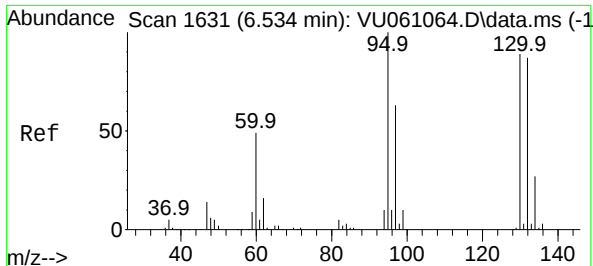
Tgt Ion: 62 Resp: 18258
Ion Ratio Lower Upper
62 100
98 9.1 8.2 12.4



#33
Benzene
Concen: 0.517 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

Tgt Ion: 78 Resp: 26787





#34

Trichloroethene

Concen: 0.522 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 7332

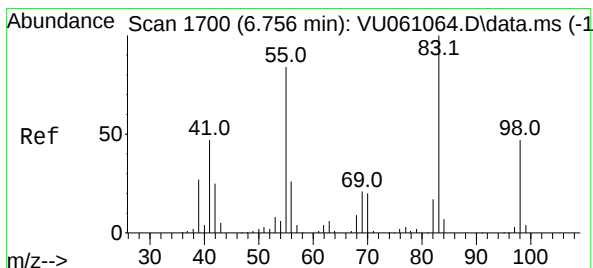
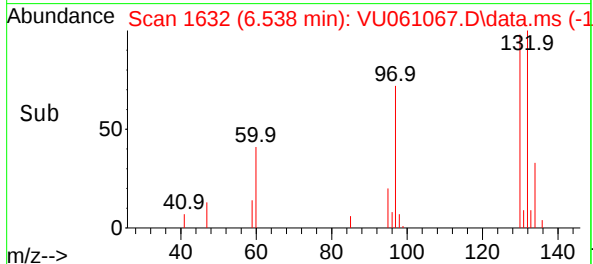
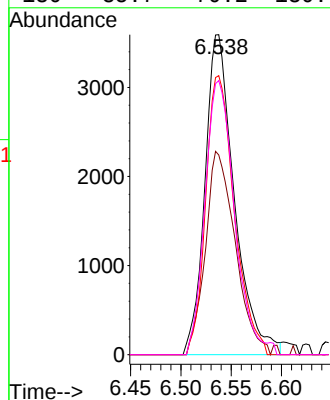
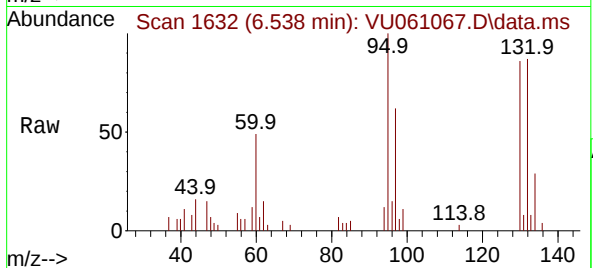
Ion Ratio Lower Upper

95 100

97 62.4 44.9 83.5

132 87.2 63.5 117.9

130 85.7 70.2 130.4



#35

Methylcyclohexane

Concen: 0.078 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

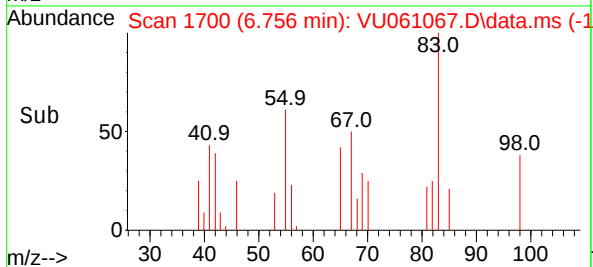
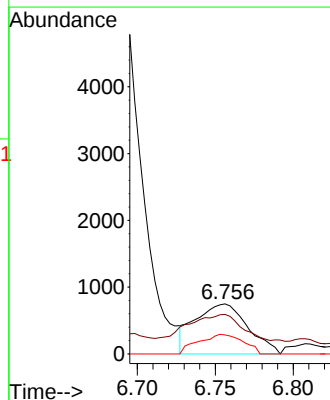
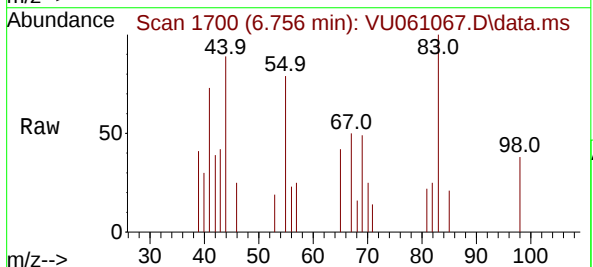
Tgt Ion: 83 Resp: 1762

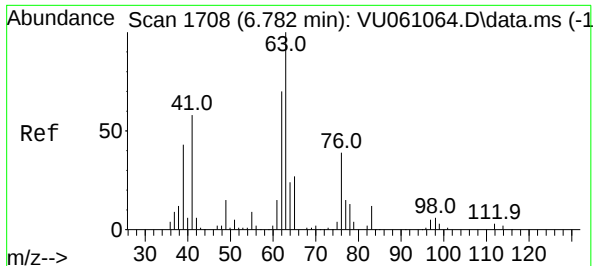
Ion Ratio Lower Upper

83 100

55 62.4 62.6 94.0#

98 33.3 37.6 56.4#

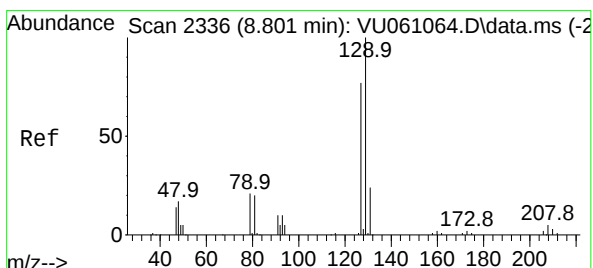
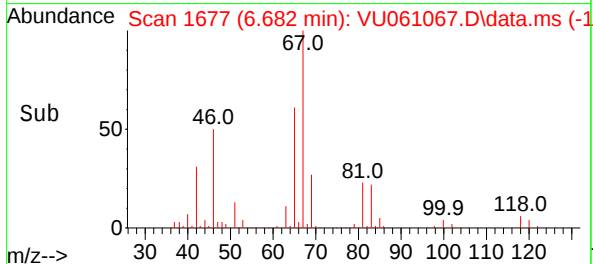
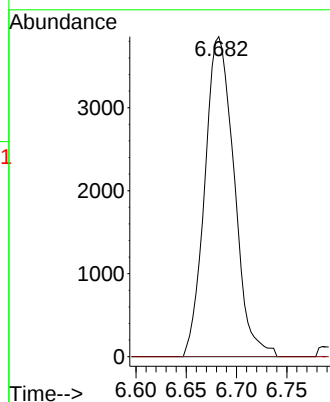
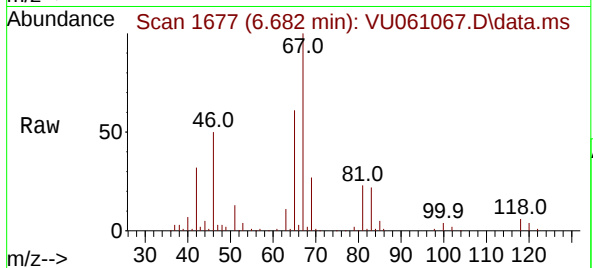




#37
1,2-Dichloropropane
Concen: 0.573 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

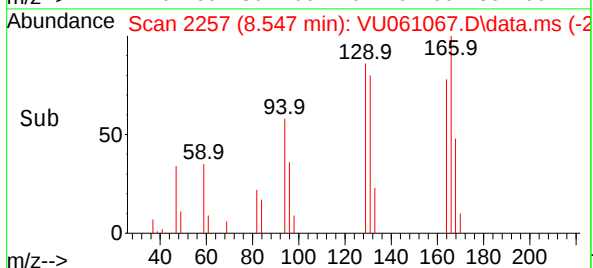
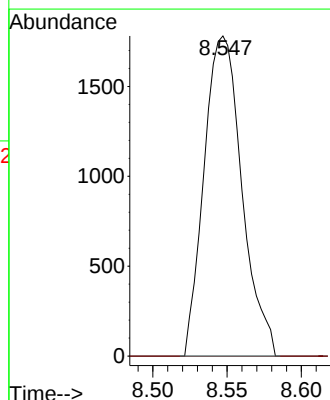
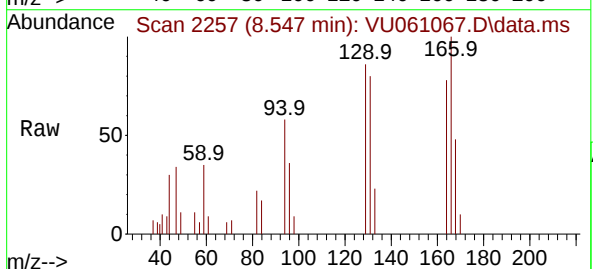
Instrument :
MSVOA_U
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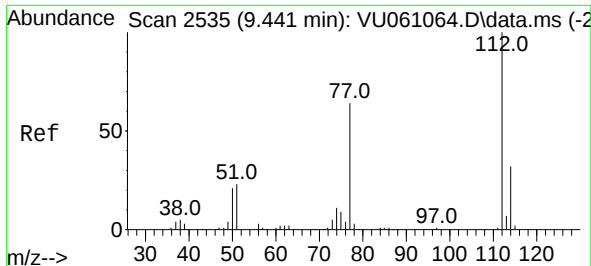
Tgt Ion: 63 Resp: 7821
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#49
Dibromochloromethane
Concen: 0.300 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

Tgt Ion: 129 Resp: 3161
Ion Ratio Lower Upper
129 100
127 0.0 56.1 104.1#





#51

Chlorobenzene

Concen: 1.975 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

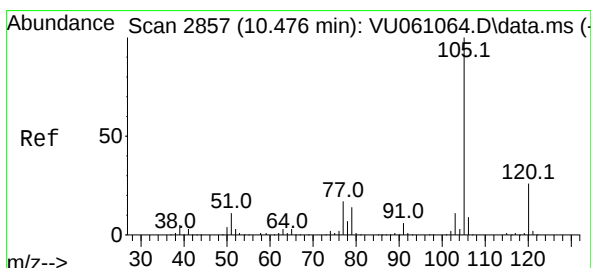
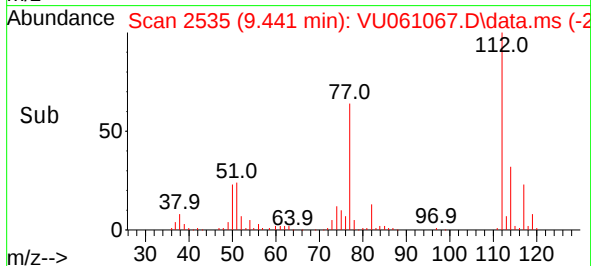
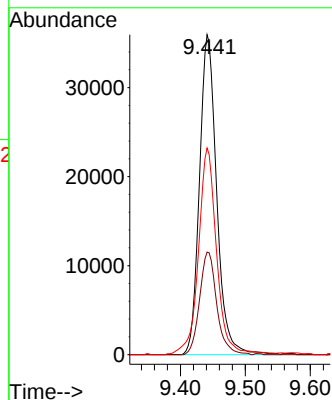
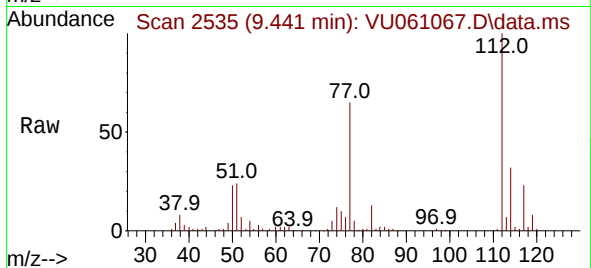
Tgt Ion:112 Resp: 66386

Ion Ratio Lower Upper

112 100

114 32.1 22.2 41.2

77 64.6 46.1 69.1



#60

Isopropylbenzene

Concen: 0.066 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.006 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

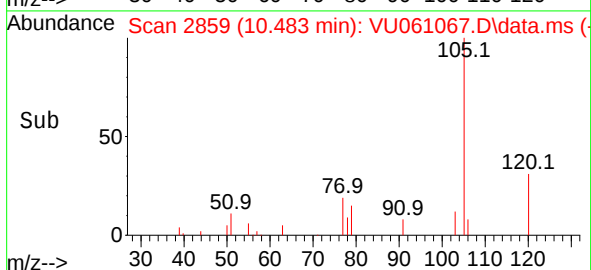
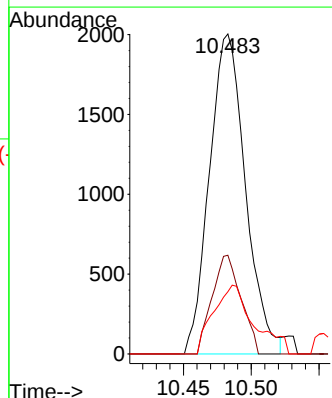
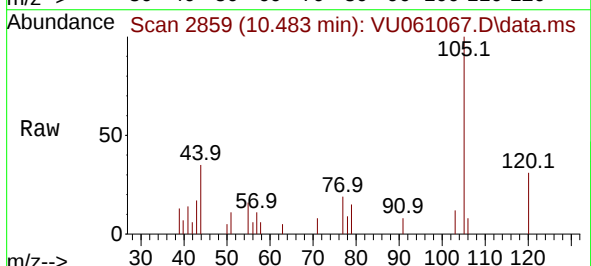
Tgt Ion:105 Resp: 3708

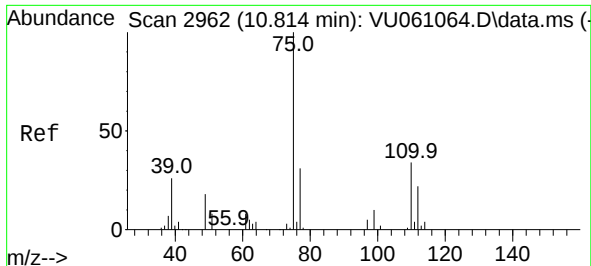
Ion Ratio Lower Upper

105 100

120 24.7 21.5 32.3

77 0.0 12.6 18.8#





#61

1,2,3-Trichloropropane

Concen: 0.306 ug/L

RT: 11.743 min Scan# 3165

Delta R.T. 0.929 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

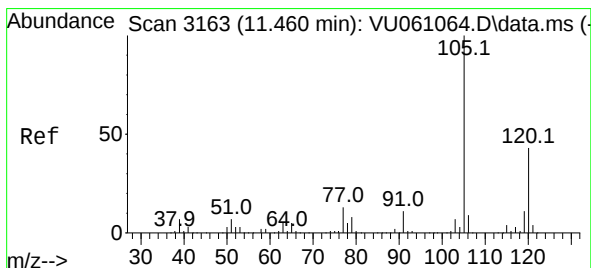
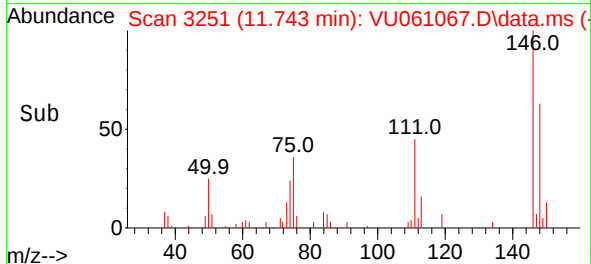
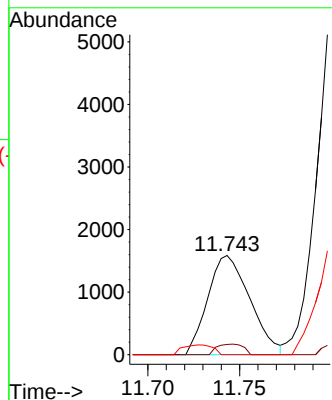
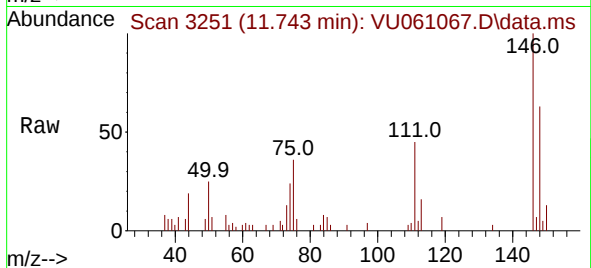
Tgt Ion: 75 Resp: 2531

Ion Ratio Lower Upper

75 100

110 6.7 28.6 43.0#

77 0.0 26.3 39.5#



#63

1,2,4-Trimethylbenzene

Concen: 0.053 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.006 min

Lab File: VU061067.D

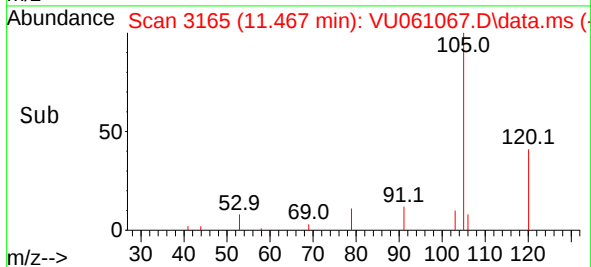
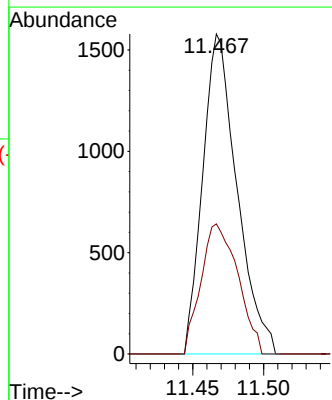
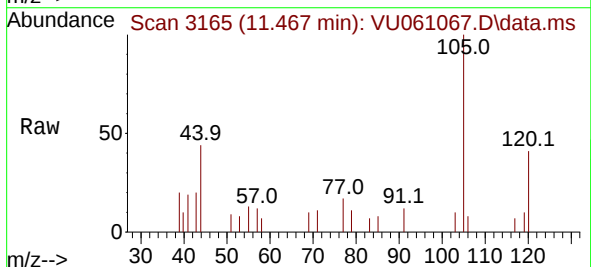
Acq: 02 Oct 2024 11:36

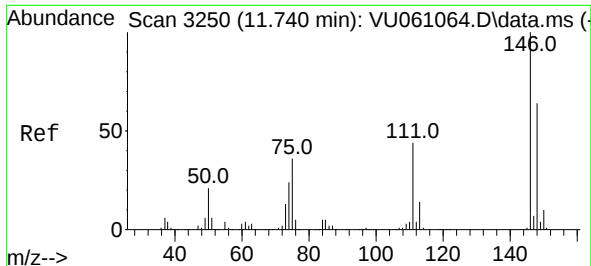
Tgt Ion:105 Resp: 2648

Ion Ratio Lower Upper

105 100

120 43.9 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 0.307 ug/L

RT: 11.746 min Scan# 3250

Delta R.T. 0.006 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

Instrument :

MSVOA_U

ClientSampleId :

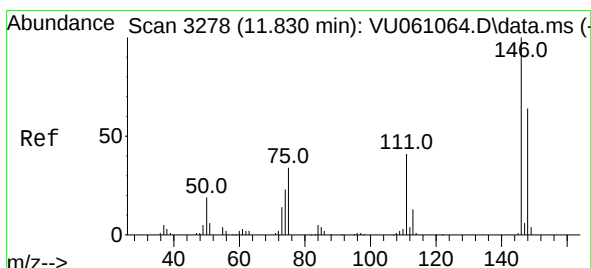
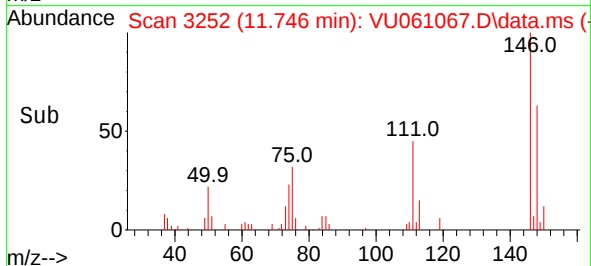
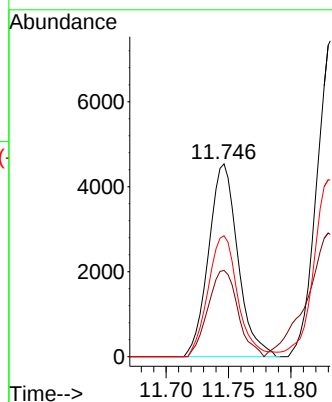
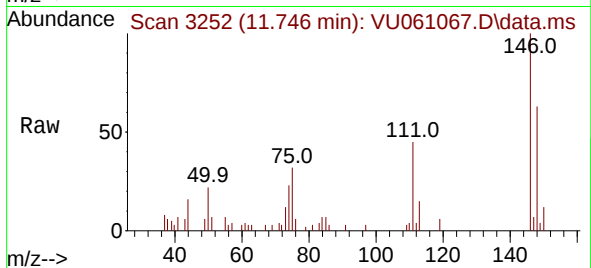
Tgt Ion:146 Resp: 7414

Ion Ratio Lower Upper

146 100

111 44.7 27.5 51.1

148 62.7 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 0.524 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU061067.D

Acq: 02 Oct 2024 11:36

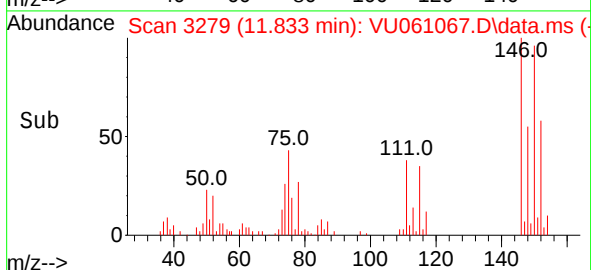
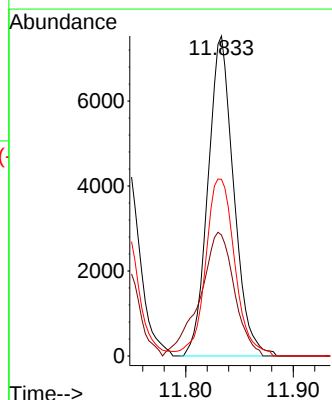
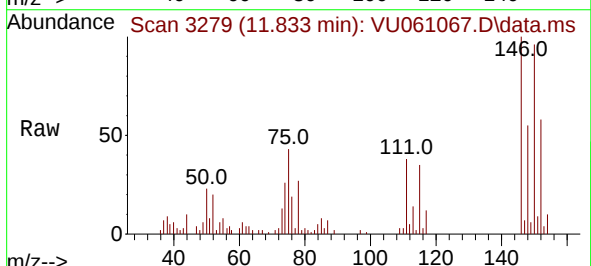
Tgt Ion:146 Resp: 12511

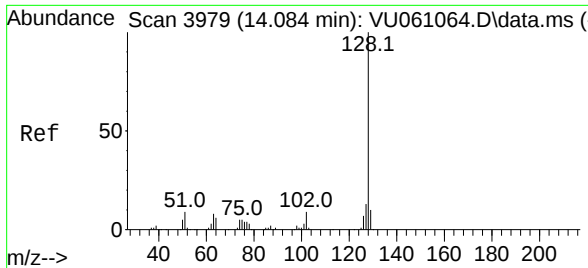
Ion Ratio Lower Upper

146 100

111 37.8 26.3 48.9

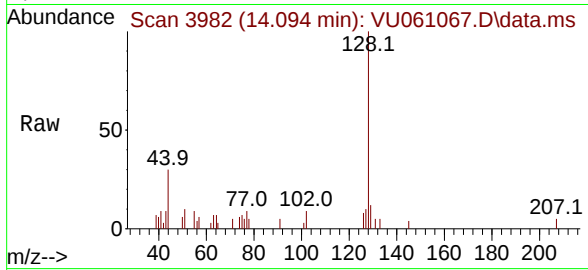
148 55.2 45.3 84.1





#71
Naphthalene
Concen: 0.321 ug/L
RT: 14.094 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU061067.D
Acq: 02 Oct 2024 11:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	6841
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.3	12.5
127	10.8	10.7	16.1

