

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111424\
 Data File : VU061661.D
 Acq On : 14 Nov 2024 10:43
 Operator : MD/SY
 Sample : P4803-07
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A0AQ2

Quant Time: Nov 15 00:42:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 15 00:40:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	196439	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	186484	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	90512	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	56576	4.458	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.911	69	50305	4.643	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.800%
11) 1,1-Dichloroethene-d2	2.563	65	25679	4.509	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	4.631	46	127475	47.319	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.640%
24) Chloroform-d	5.052	84	114578	4.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.695	65	58724	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.717	84	243413	4.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	75035	4.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	219092	4.556	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.174	79	24792	4.423	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.630	63	108422	48.954	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.900%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	56709	4.728	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	78775	4.887	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%

Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	122890	8.408	ug/L	99
12) 1,1-Dichloroethene	2.576	96	154557	13.034	ug/L #	74
16) Methylene chloride	3.039	84	287228	21.017	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	193252	14.857	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	81855	5.580	ug/L	99
27) 1,2-Dichloroethane	5.788	62	41854	2.668	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	258453	12.179	ug/L	100
31) Carbon tetrachloride	5.515	117	186282	10.306	ug/L	99
33) Benzene	5.766	78	973070	17.241	ug/L	100
34) Trichloroethene	6.534	95	68937	4.524	ug/L	94
37) 1,2-Dichloropropane	6.782	63	196827	13.746	ug/L	100
42) Toluene	7.962	91	1145968	18.858	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	39710	3.804	ug/L	95
47) Tetrachloroethene	8.547	164	152508	13.318	ug/L	98
51) Chlorobenzene	9.438	112	452961	11.580	ug/L	99
52) Ethylbenzene	9.560	91	1105851	17.084	ug/L	100
53) m,p-Xylene	9.682	106	376677	15.208	ug/L	98
54) o-Xylene	10.090	106	147045	6.108	ug/L	99
55) Styrene	10.106	104	739373	19.290	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 15 00:40:52 2024
Response via : Initial Calibration

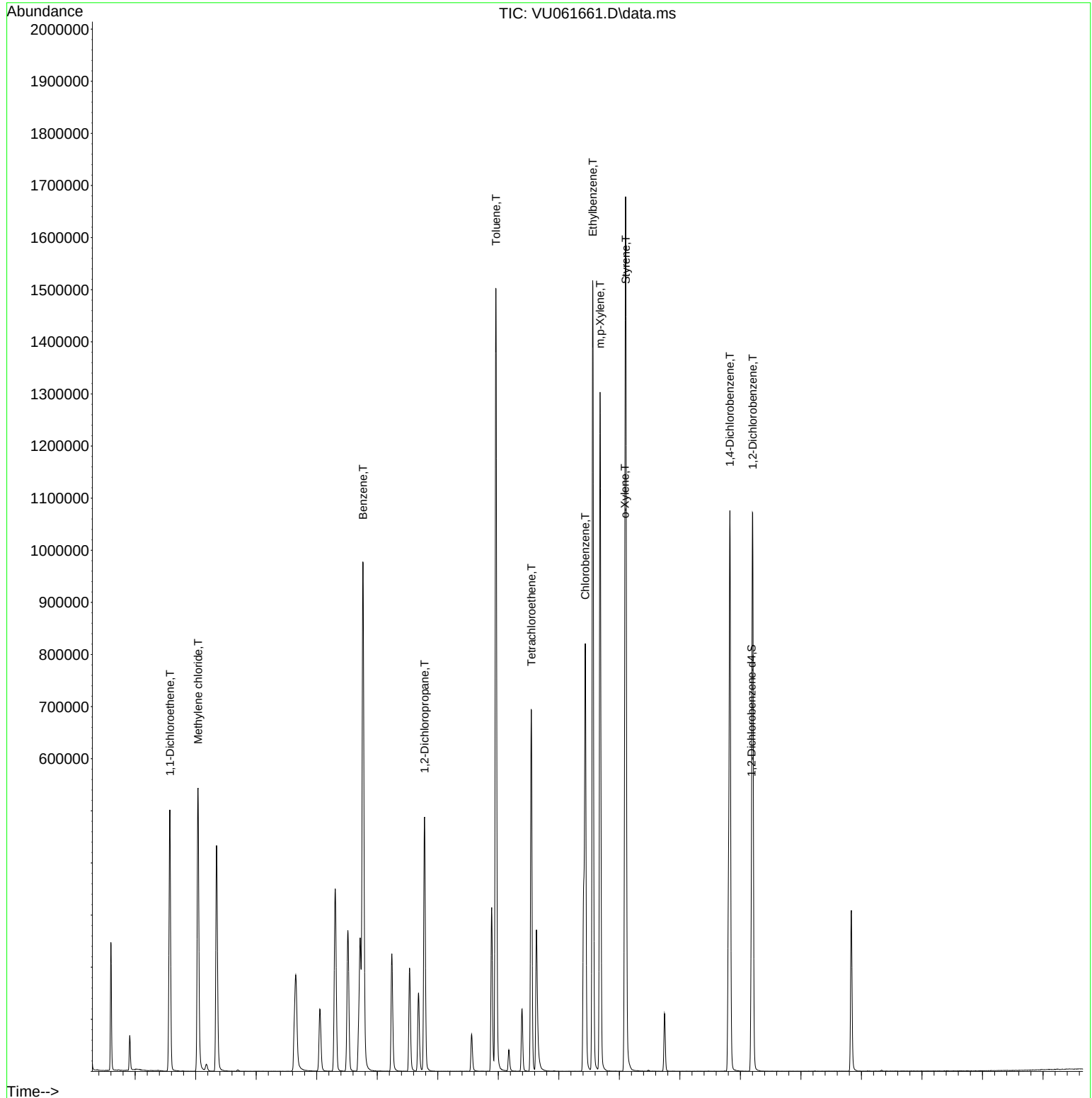
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.826	146	428870	14.672	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	420720	15.715	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	101982	6.547	ug/L	98

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

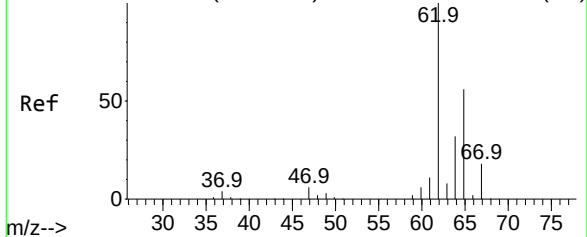
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111424\
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Abundance Scan 97 (1.602 min): VU061659.D\data.ms (-88)



#5

Vinyl chloride

Concen: 8.408 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

ClientSampleId :

A0AQ2

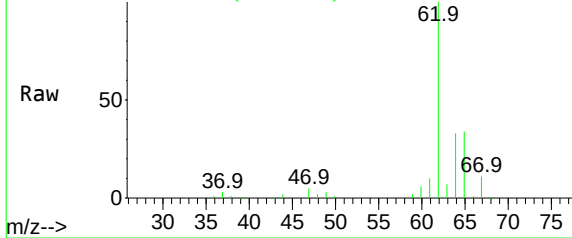
Tgt Ion: 62 Resp: 122890

Ion Ratio Lower Upper

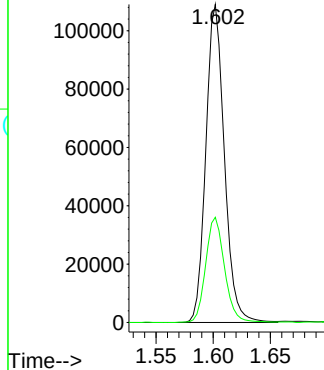
62 100

64 33.1 23.7 44.1

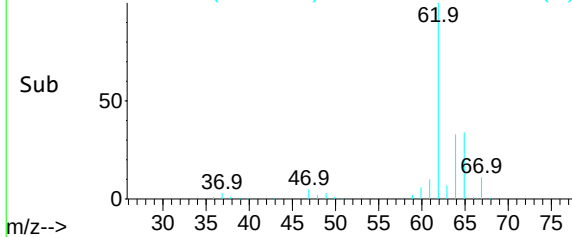
Abundance Scan 97 (1.602 min): VU061661.D\data.ms



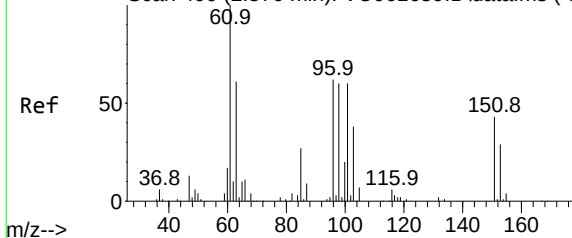
Abundance



Abundance Scan 97 (1.602 min): VU061661.D\data.ms (-4)



Abundance Scan 400 (2.576 min): VU061659.D\data.ms (-36)



#12

1,1-Dichloroethene

Concen: 13.034 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Tgt Ion: 96 Resp: 154557

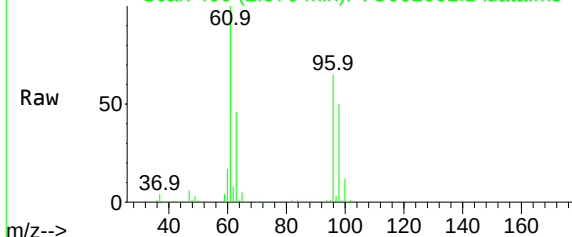
Ion Ratio Lower Upper

96 100

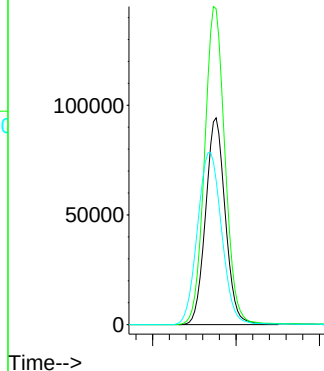
61 152.7 116.8 217.0

63 69.9 86.1 159.9#

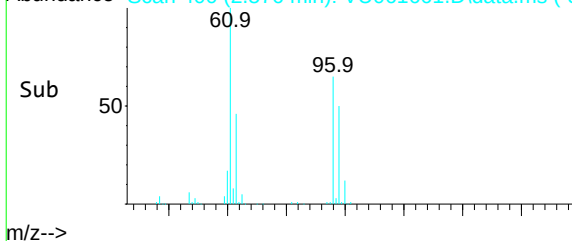
Abundance Scan 400 (2.576 min): VU061661.D\data.ms

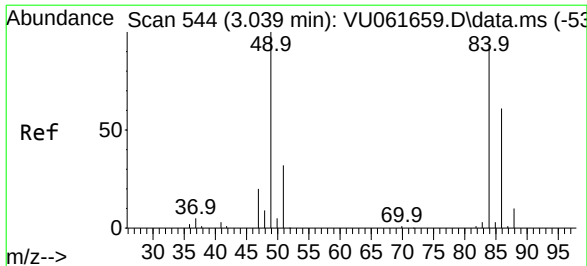


Abundance



Abundance Scan 400 (2.576 min): VU061661.D\data.ms (-30)





#16

Methylene chloride

Concen: 21.017 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

ClientSampleId :

A0AQ2

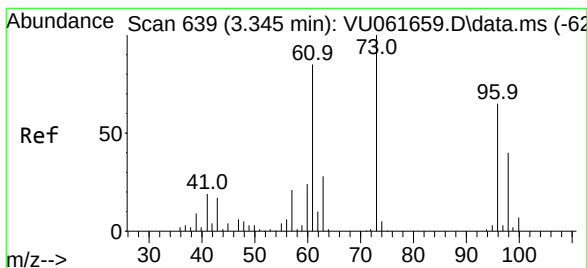
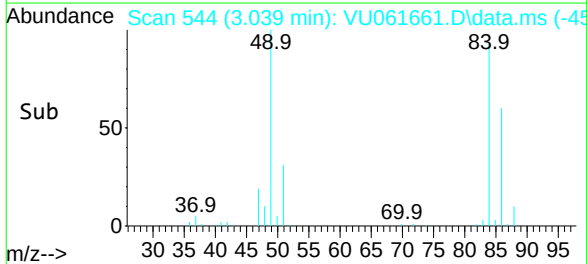
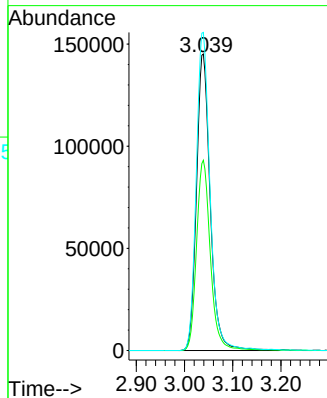
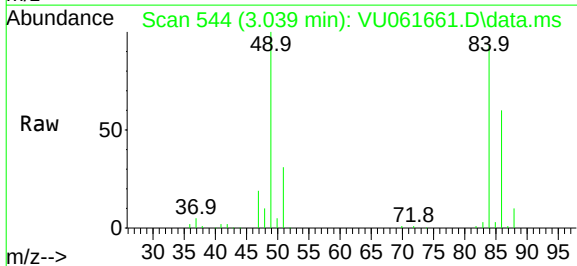
Tgt Ion: 84 Resp: 287228

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.7

49 107.3 76.3 141.7



#18

trans-1,2-Dichloroethene

Concen: 14.857 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

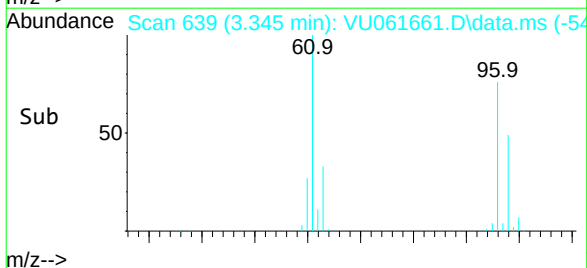
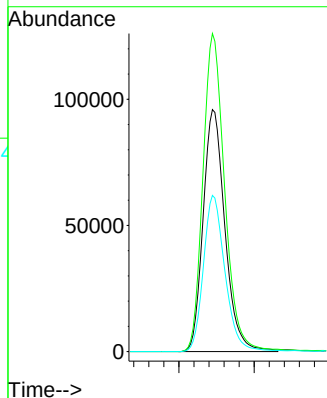
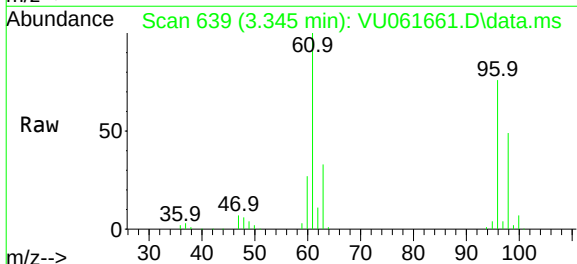
Tgt Ion: 96 Resp: 193252

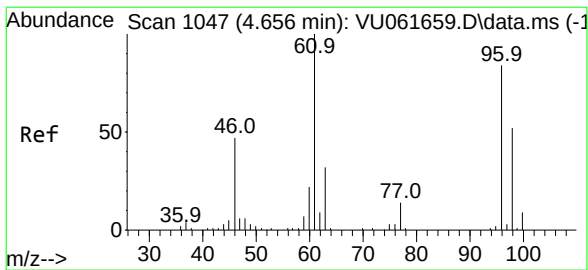
Ion Ratio Lower Upper

96 100

61 131.4 94.1 174.8

98 64.6 43.2 80.2

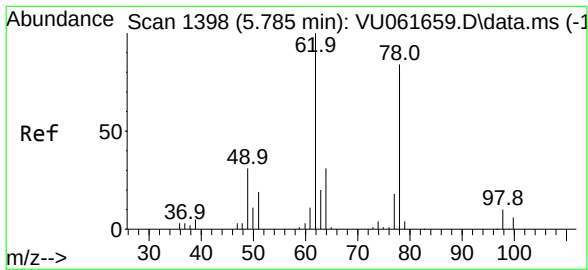
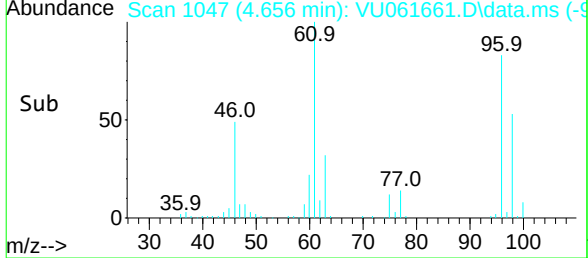
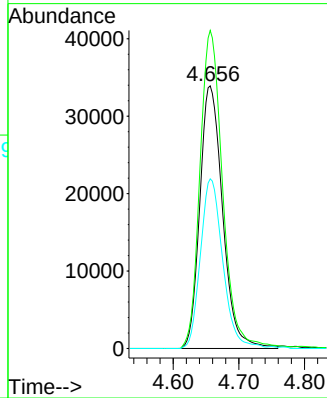
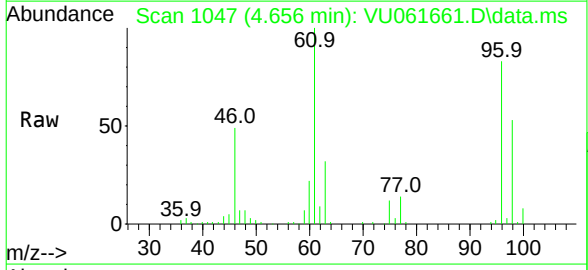




#22
 cis-1,2-Dichloroethene
 Concen: 5.580 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU061661.D
 Acq: 14 Nov 2024 10:43

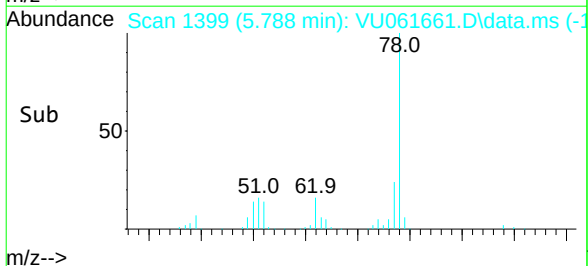
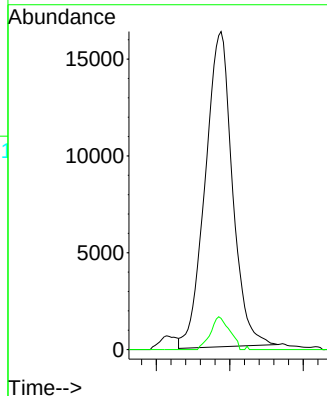
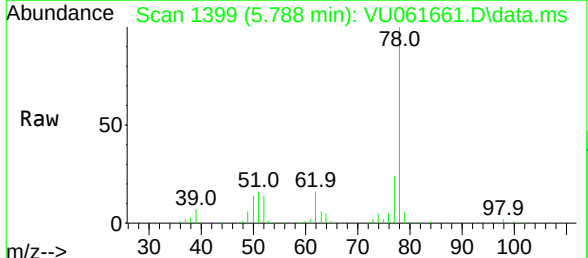
Instrument :
 MSVOA_U
 ClientSampleId :
 A0AQ2

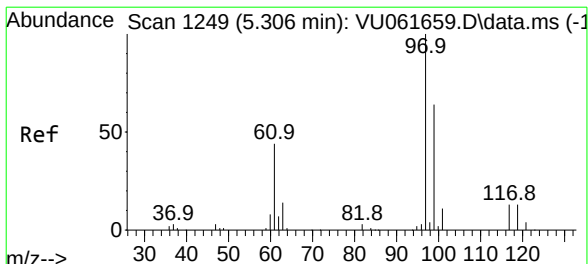
Tgt Ion:	96	Resp:	81855
Ion	Ratio	Lower	Upper
96	100		
61	121.1	85.6	159.0
98	64.6	45.6	84.8



#27
 1,2-Dichloroethane
 Concen: 2.668 ug/L
 RT: 5.788 min Scan# 1399
 Delta R.T. 0.003 min
 Lab File: VU061661.D
 Acq: 14 Nov 2024 10:43

Tgt Ion:	62	Resp:	41854
Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.7	11.5



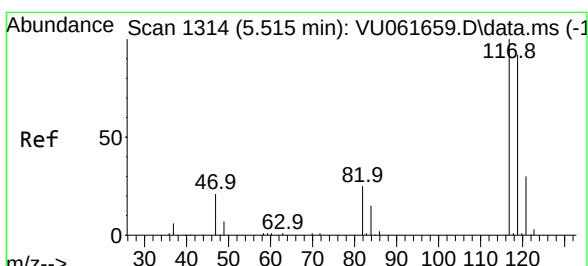
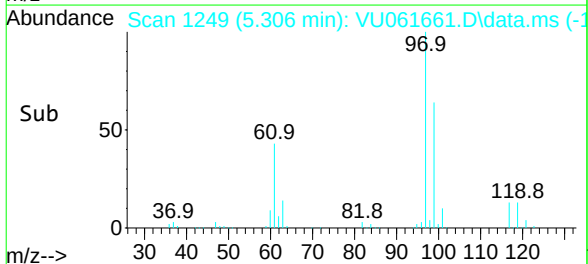
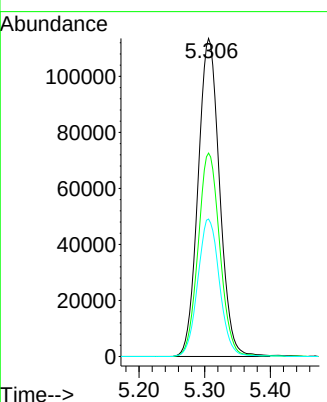
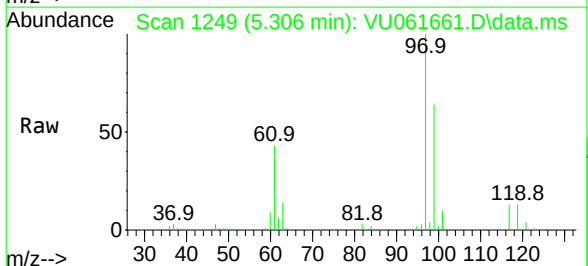


#29
 1,1,1-Trichloroethane
 Concen: 12.179 ug/L
 RT: 5.306 min Scan# 1249
 Delta R.T. -0.000 min
 Lab File: VU061661.D
 Acq: 14 Nov 2024 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 A0AQ2

Tgt Ion: 97 Resp: 258453

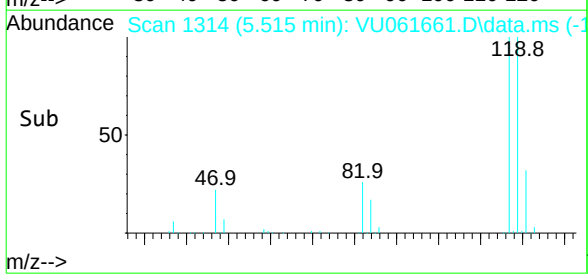
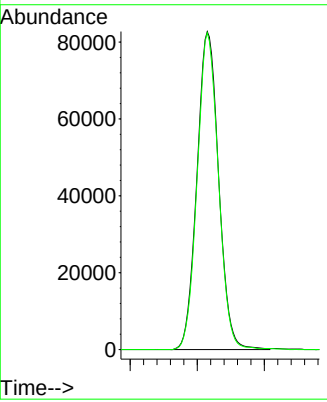
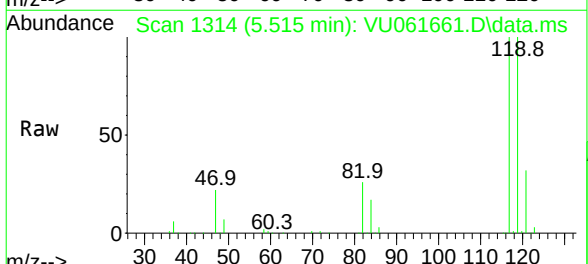
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	43.7	35.4	53.0

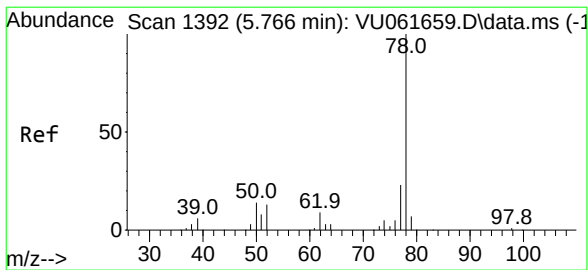


#31
 Carbon tetrachloride
 Concen: 10.306 ug/L
 RT: 5.515 min Scan# 1314
 Delta R.T. -0.000 min
 Lab File: VU061661.D
 Acq: 14 Nov 2024 10:43

Tgt Ion: 117 Resp: 186282

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.6	114.8

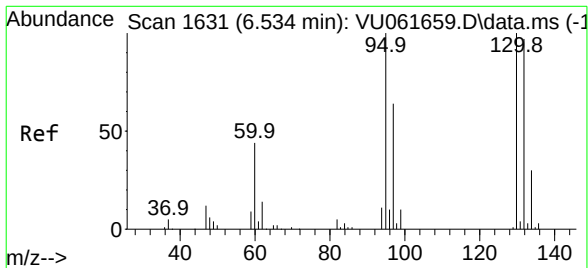
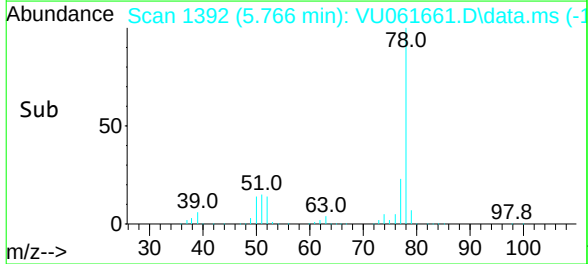
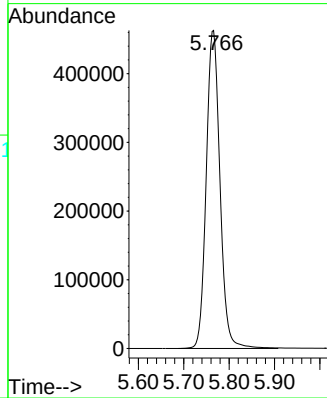
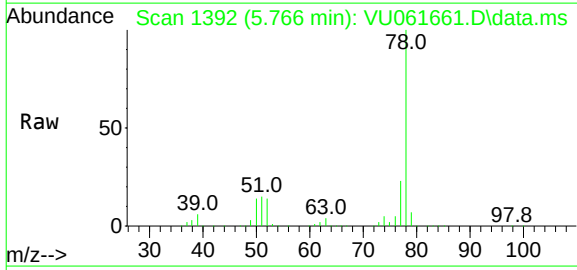




#33
Benzene
Concen: 17.241 ug/L
RT: 5.766 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VU061661.D
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Instrument : MSVOA_U
ClientSampleId : A0AQ2

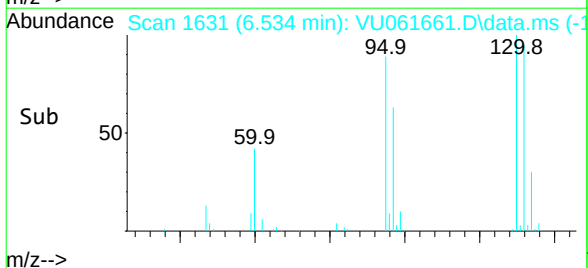
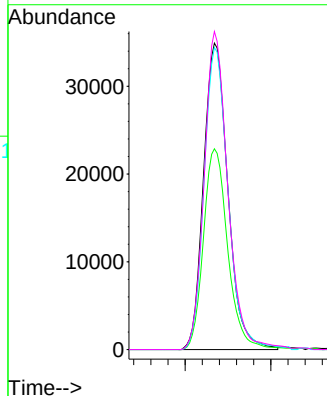
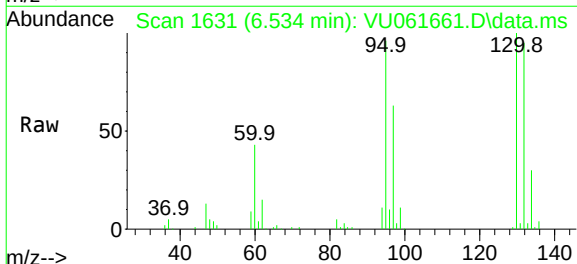
Tgt Ion: 78 Resp: 973070

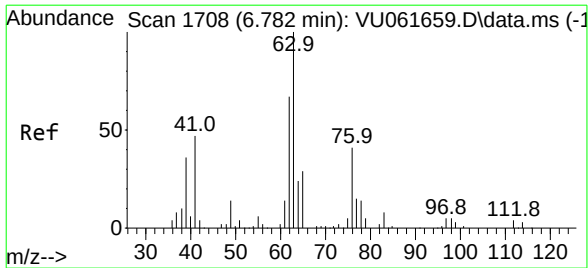


#34
Trichloroethene
Concen: 4.524 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion: 95 Resp: 68937

Ion	Ratio	Lower	Upper
95	100		
97	65.5	43.5	80.9
132	98.5	65.2	121.0
130	103.8	67.5	125.3

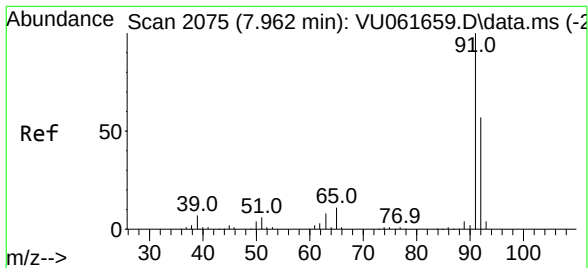
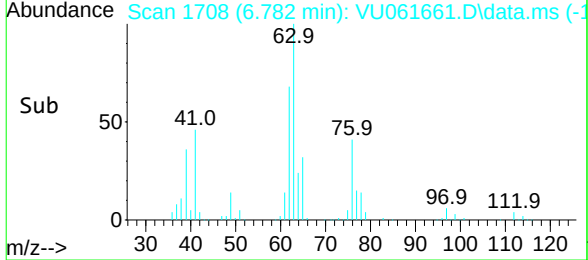
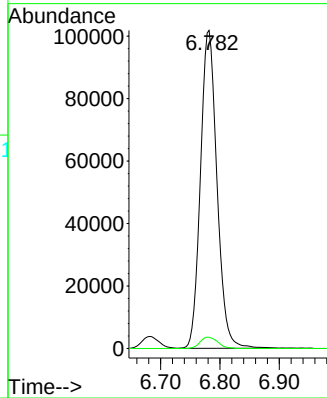
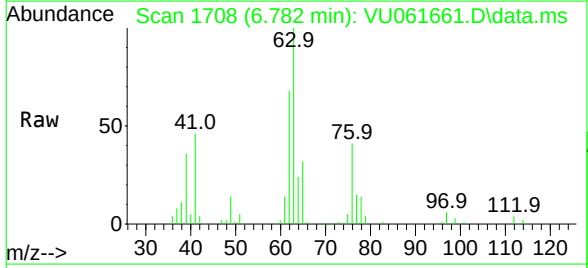




#37
1,2-Dichloropropane
Concen: 13.746 ug/L
RT: 6.782 min Scan# 17
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

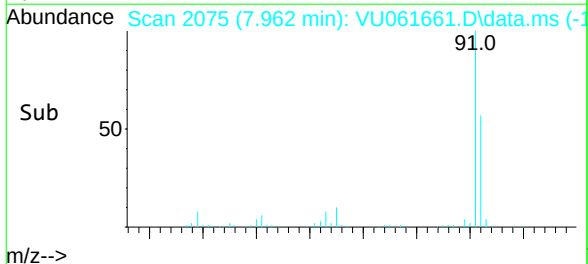
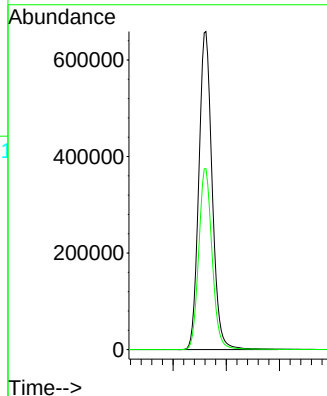
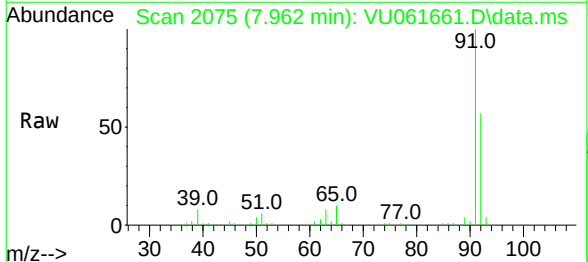
Instrument :
MSVOA_U
ClientSampleId :
A0AQ2

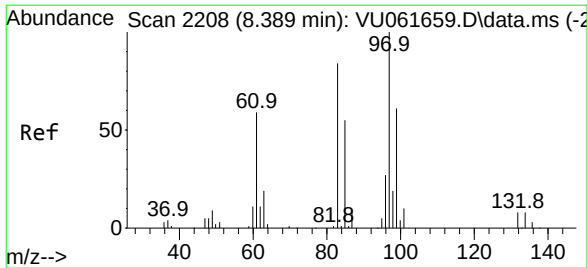
Tgt Ion: 63 Resp: 196827
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#42
Toluene
Concen: 18.858 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion: 91 Resp: 1145968
Ion Ratio Lower Upper
91 100
92 56.9 39.7 73.7

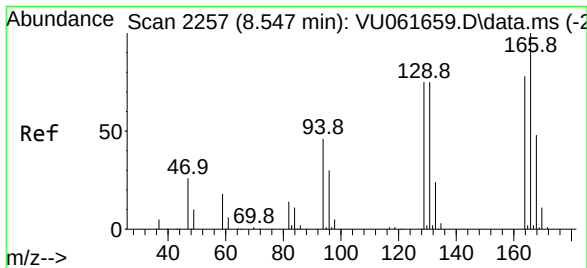
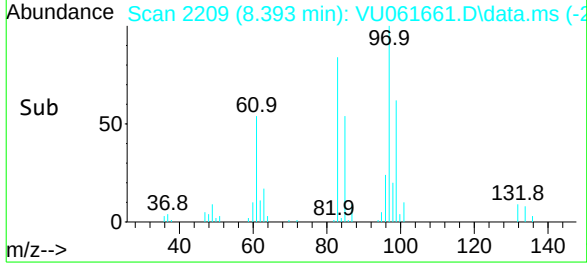
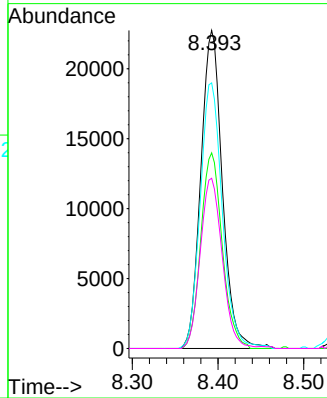
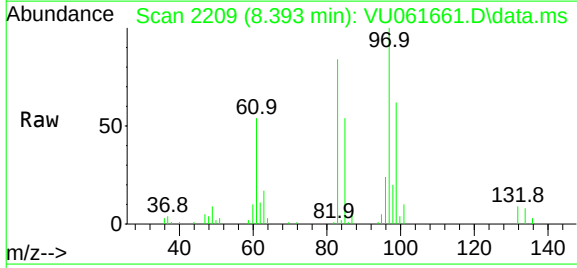




#45
1,1,2-Trichloroethane
Concen: 3.804 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

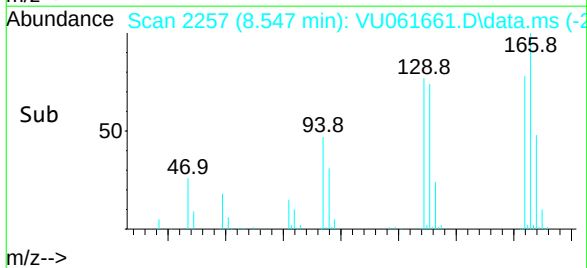
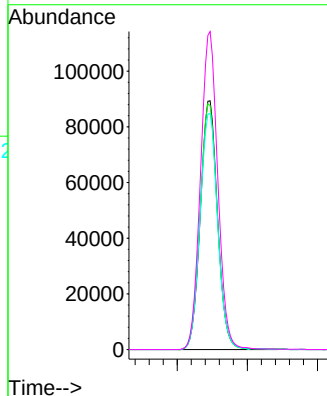
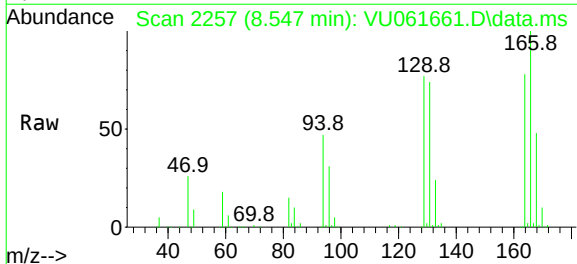
Instrument :
MSVOA_U
ClientSampleId :
A0AQ2

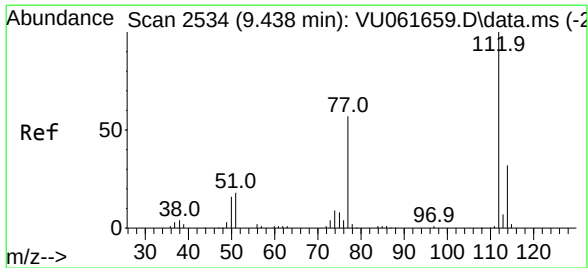
Tgt Ion:	97	Resp:	39710
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.3
83	83.5	63.2	117.4
85	53.5	40.3	74.8



#47
Tetrachloroethene
Concen: 13.318 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion:	164	Resp:	152508
Ion	Ratio	Lower	Upper
164	100		
129	98.0	71.7	133.3
131	95.0	68.2	126.6
166	127.8	89.9	167.0

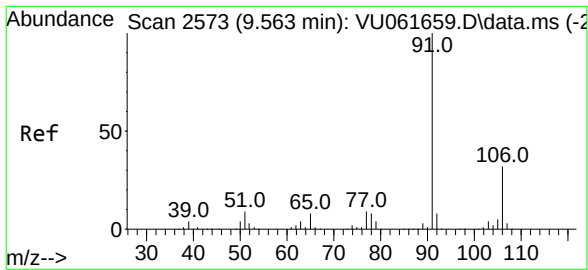
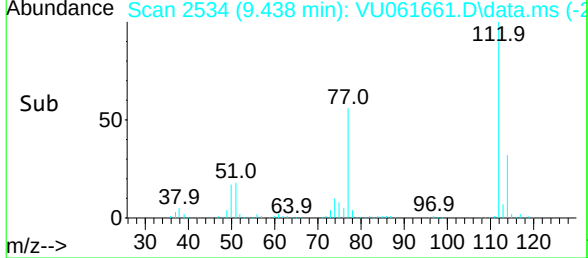
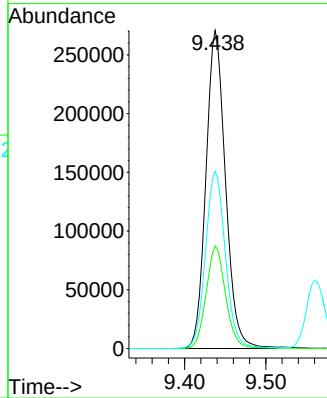
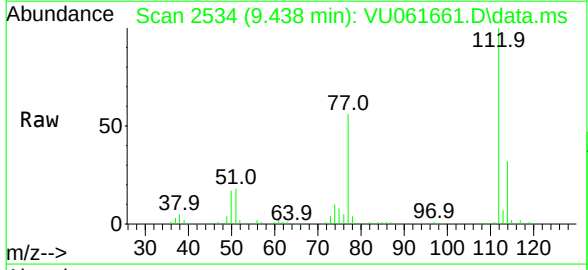




#51
Chlorobenzene
Concen: 11.580 ug/L
RT: 9.438 min Scan# 25
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

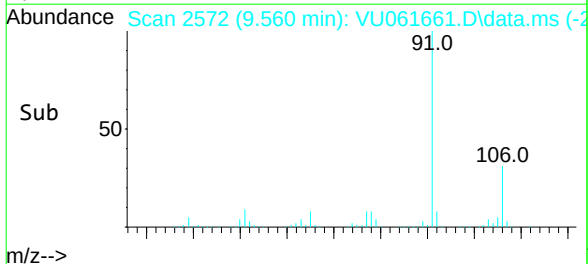
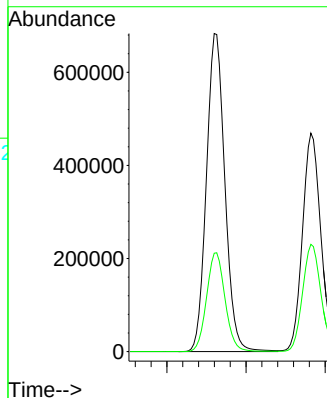
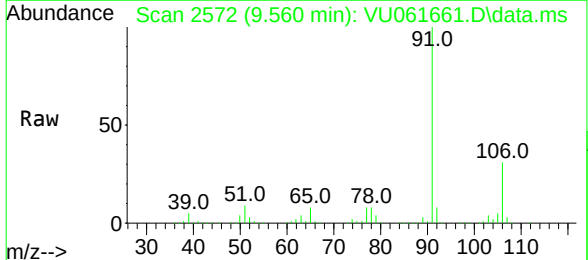
Instrument :
MSVOA_U
ClientSampleId :
A0AQ2

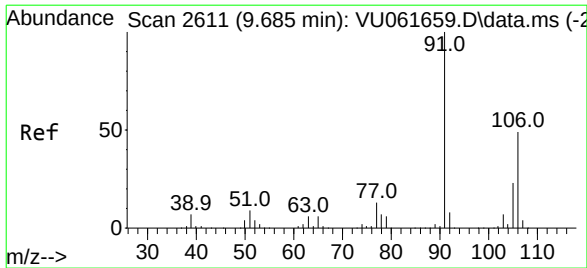
Tgt Ion:	112	Resp:	452961
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	55.7	45.3	67.9



#52
Ethylbenzene
Concen: 17.084 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion:	91	Resp:	1105851
Ion	Ratio	Lower	Upper
91	100		
106	30.9	21.7	40.3

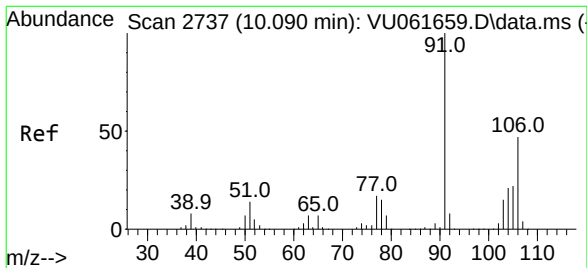
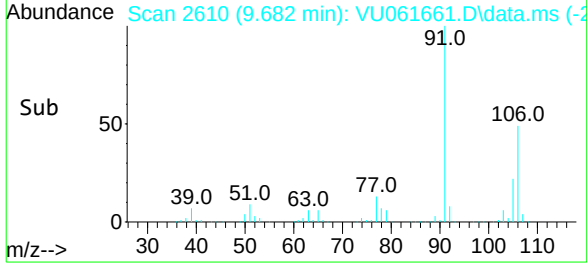
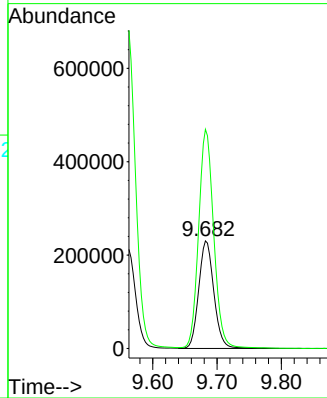
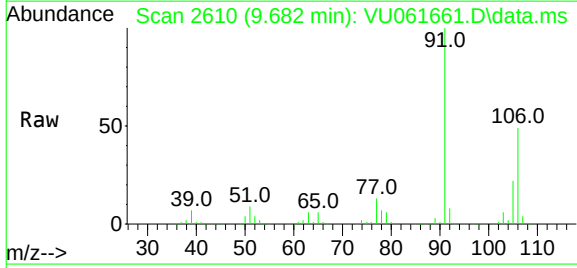




#53
m,p-Xylene
Concen: 15.208 ug/L
RT: 9.682 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

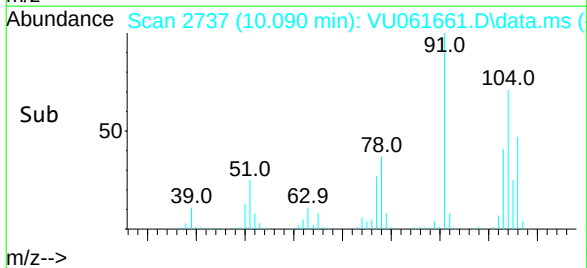
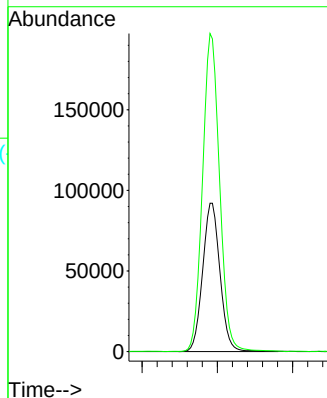
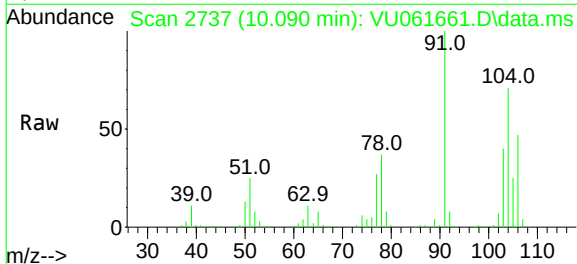
Instrument :
MSVOA_U
ClientSampleId :
A0AQ2

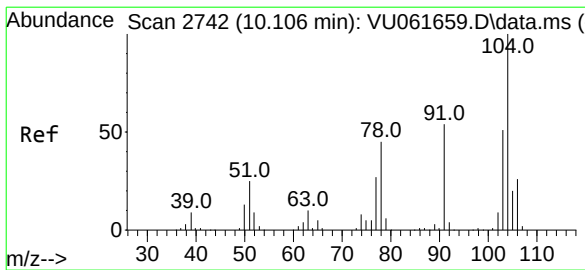
Tgt Ion:106 Resp: 376677
Ion Ratio Lower Upper
106 100
91 203.6 140.4 260.8



#54
o-Xylene
Concen: 6.108 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion:106 Resp: 147045
Ion Ratio Lower Upper
106 100
91 214.3 151.3 280.9





#55

Styrene

Concen: 19.290 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

ClientSampleId :

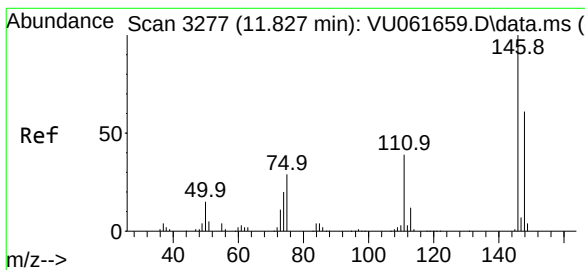
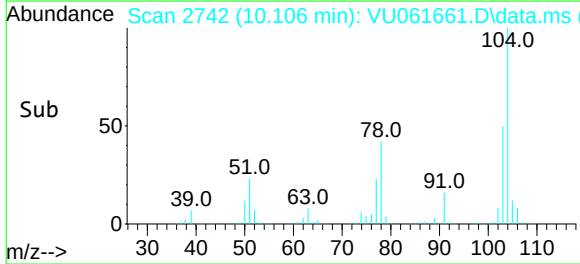
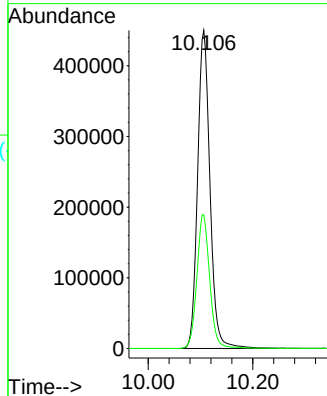
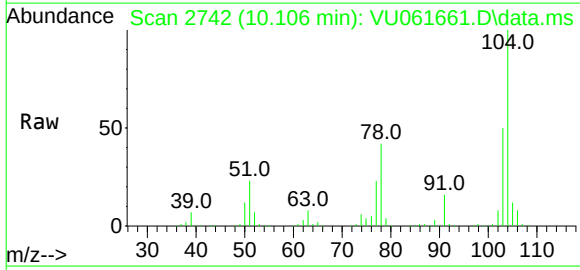
A0AQ2

Tgt Ion:104 Resp: 739373

Ion Ratio Lower Upper

104 100

78 42.0 31.6 58.6



#65

1,4-Dichlorobenzene

Concen: 14.672 ug/L

RT: 11.826 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

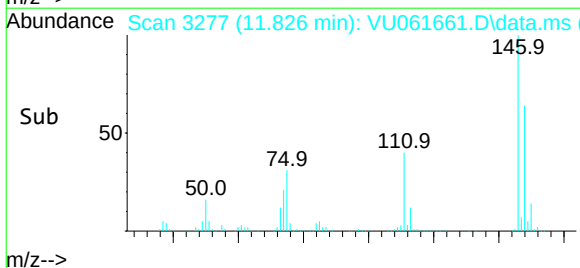
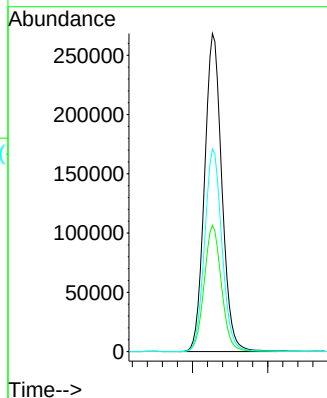
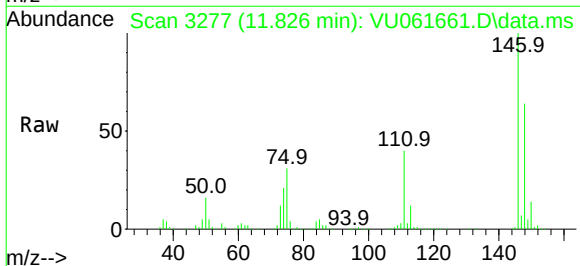
Tgt Ion:146 Resp: 428870

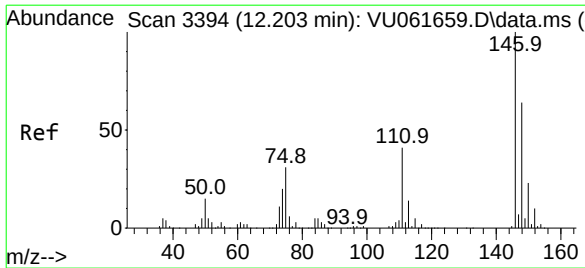
Ion Ratio Lower Upper

146 100

111 39.7 28.8 53.4

148 63.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 15.715 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

ClientSampleId :

A0AQ2

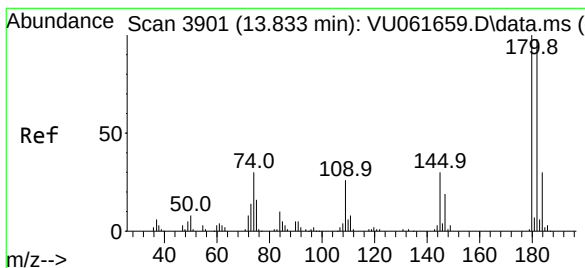
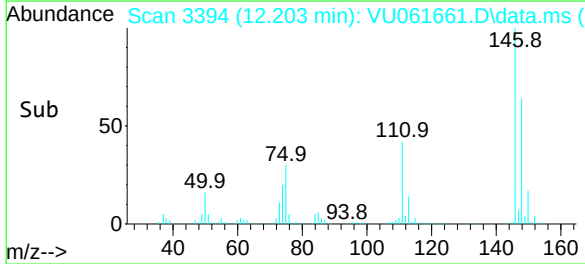
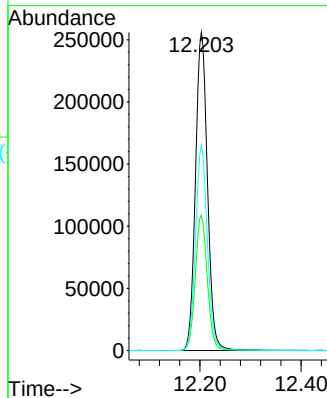
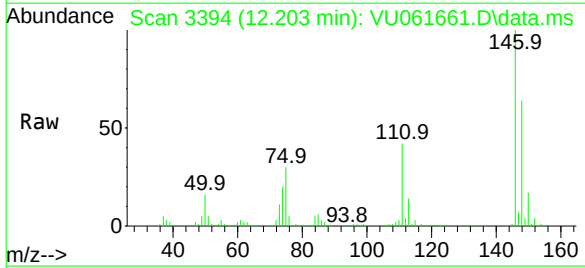
Tgt Ion:146 Resp: 420720

Ion Ratio Lower Upper

146 100

111 42.5 35.2 52.8

148 64.4 52.6 79.0



#70

1,2,4-trichlorobenzene

Concen: 6.547 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Tgt Ion:180 Resp: 101982

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

145 30.1 24.5 36.7

