

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 :

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						
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
15) Methyl Acetate	3.039	43	999	0.236	ug/L #	64
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
35) Methylcyclohexane	6.682	83	17176	0.747	ug/L #	34
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
49) Dibromochloromethane	8.544	129	150082	13.712	ug/L #	10
51) Chlorobenzene	9.438	112	452961	11.580	ug/L	99
52) Ethylbenzene	9.560	91	1105851	17.084	ug/L	100

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Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

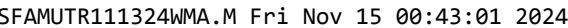
Instrument :
MSVOA_U
ClientSampleId :

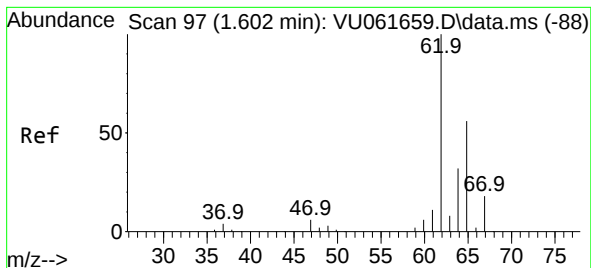
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 15 00:40:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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
60) Isopropylbenzene	10.100	105	122122	1.946	ug/L #	1
61) 1,2,3-Trichloropropane	10.106	75	33430	3.921	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.100	105	122122	2.430	ug/L #	29
64) 1,3-Dichlorobenzene	11.826	146	428870	14.898	ug/L	99
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
69) 1,3,5-Trichlorobenzene	13.833	180	101982	5.074	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	101982	6.547	ug/L	98

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

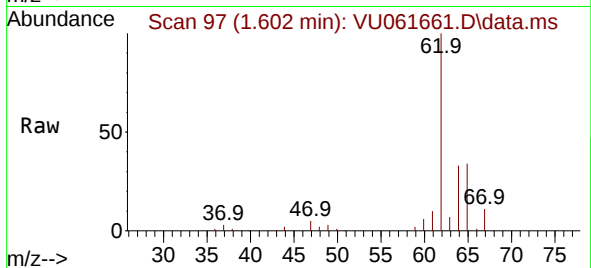
Quant Time: Nov 15 00:42:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
Quant Title : TRACE VOA SFAM1.0
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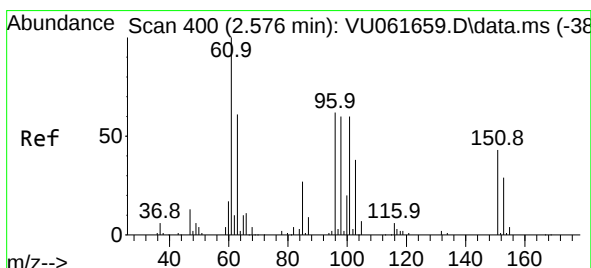
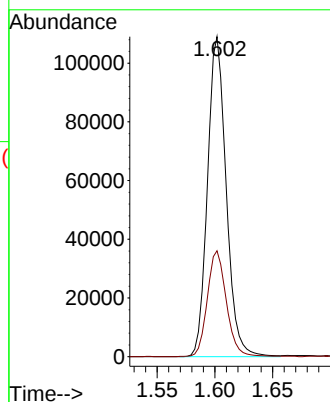
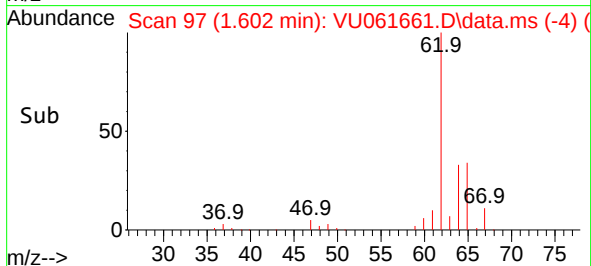


#5
Vinyl chloride
Concen: 8.408 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Instrument :
MSVOA_U
ClientSampleId :

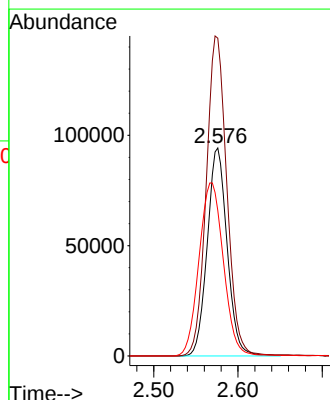
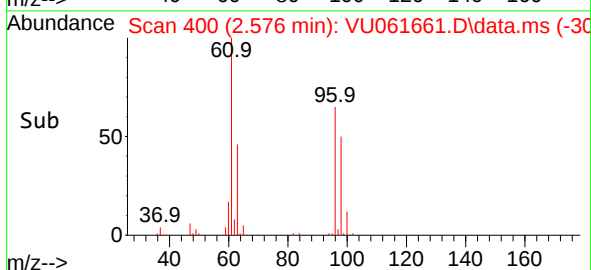
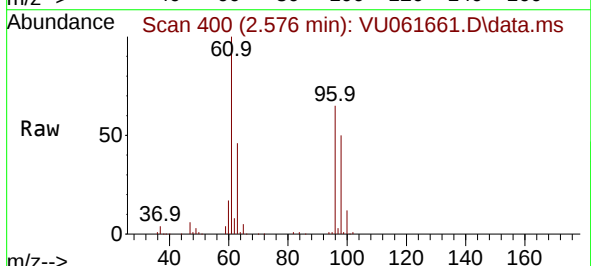


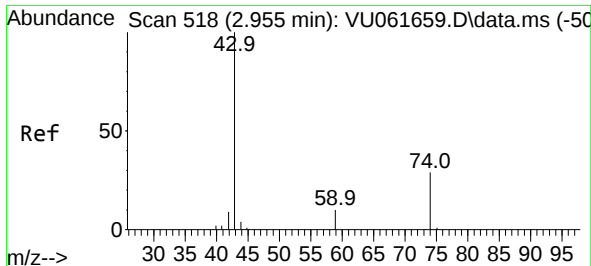
Tgt Ion: 62 Resp: 122890
Ion Ratio Lower Upper
62 100
64 33.1 23.7 44.1



#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#

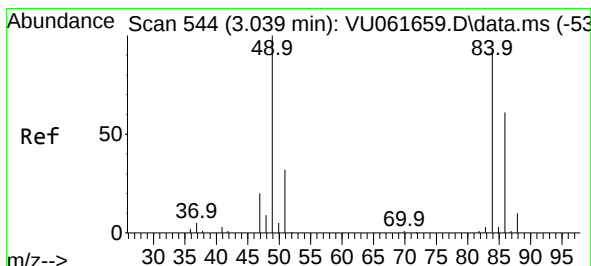
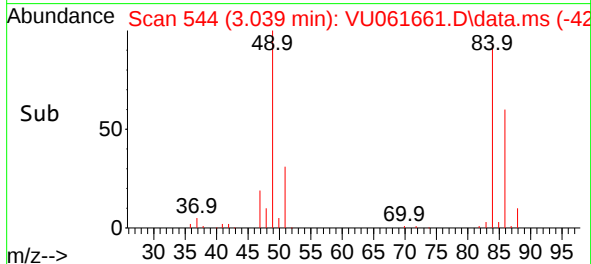
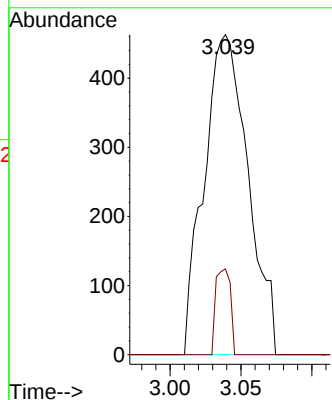
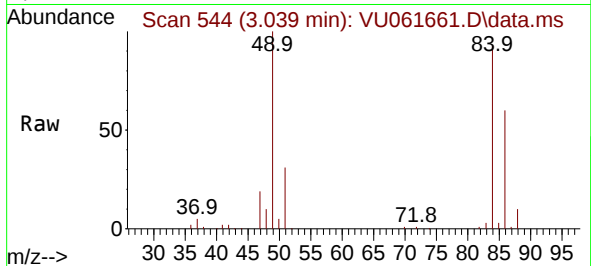




#15
Methyl Acetate
Concen: 0.236 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.084 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

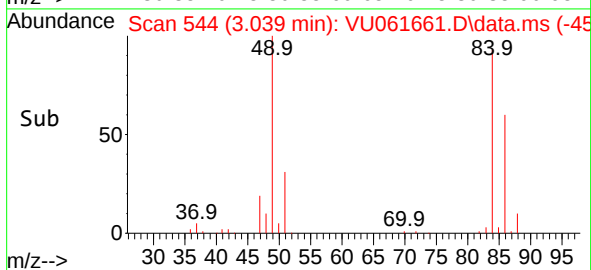
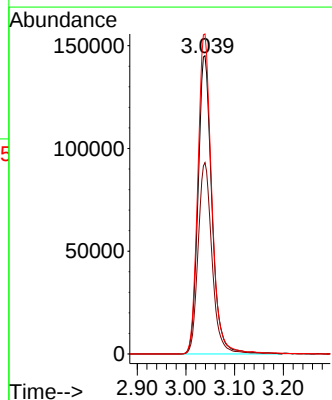
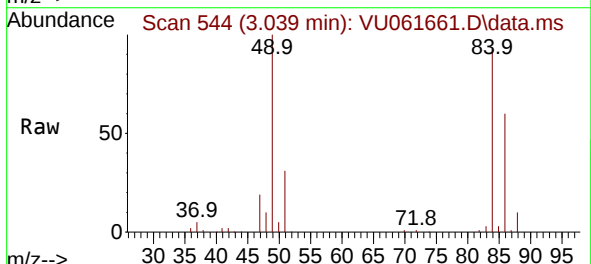
Instrument :
MSVOA_U
ClientSampleId :

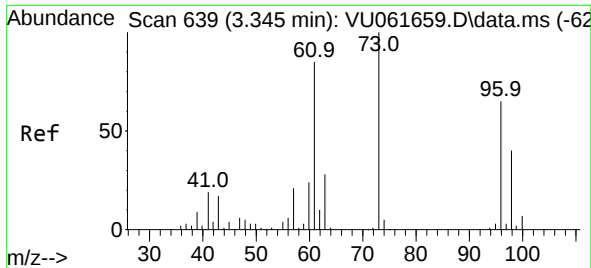
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
74 8.9 22.5 33.7#



#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

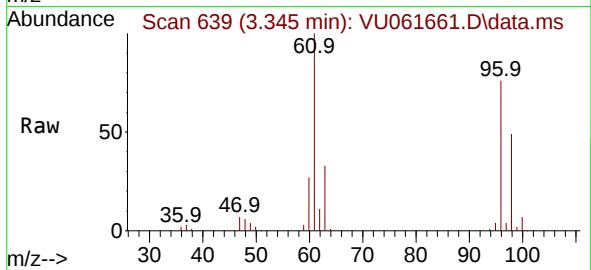
Tgt Ion: 84 Resp: 287228
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.7
49 107.3 76.3 141.7



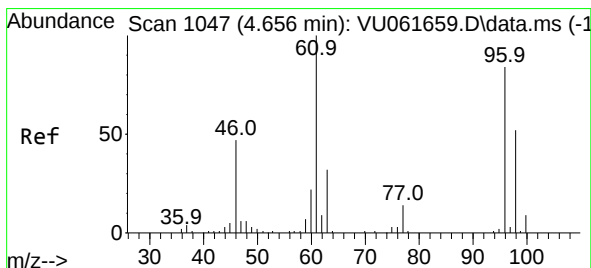
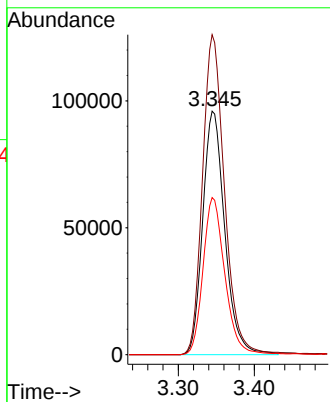
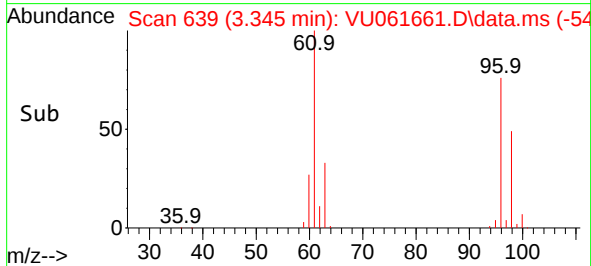


#18
trans-1,2-Dichloroethene
Concen: 14.857 ug/L
RT: 3.345 min Scan# 618
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Instrument :
MSVOA_U
ClientSampleId :

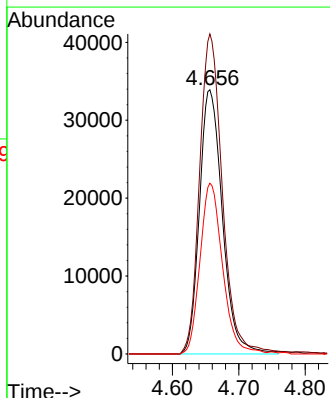
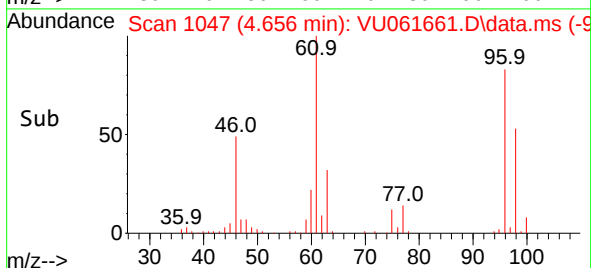
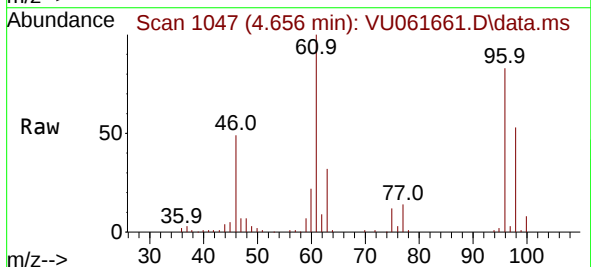


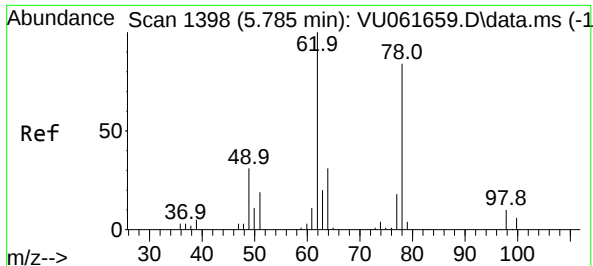
Tgt Ion: 96 Resp: 193252
Ion Ratio Lower Upper
96 100
61 131.4 94.1 174.8
98 64.6 43.2 80.2



#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

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

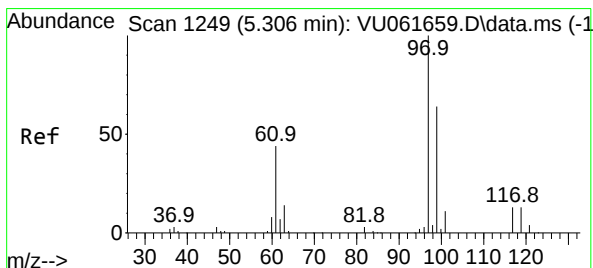
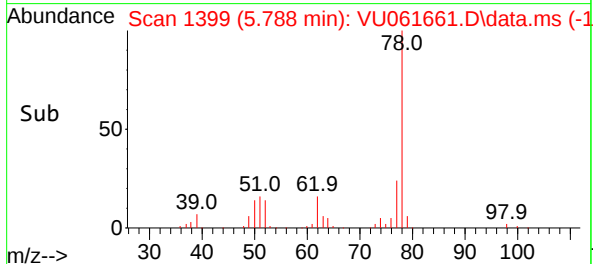
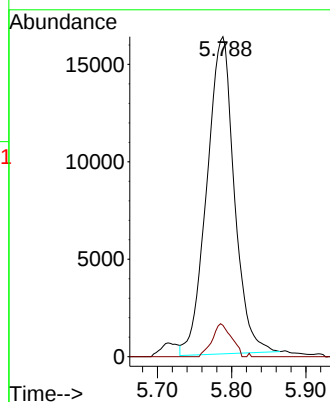
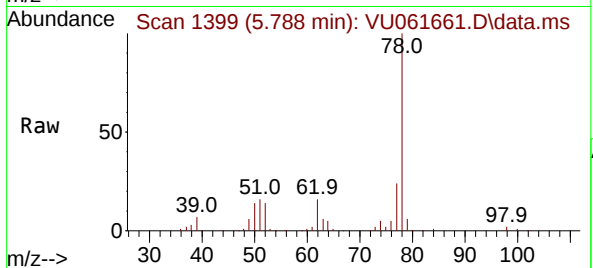




#27
1,2-Dichloroethane
Concen: 2.668 ug/L
RT: 5.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

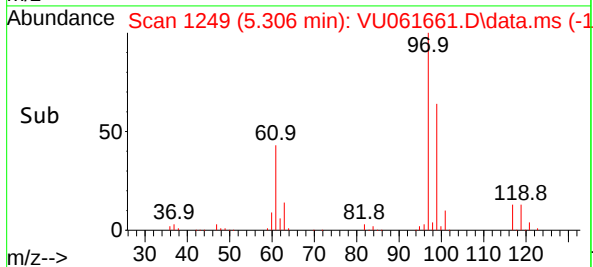
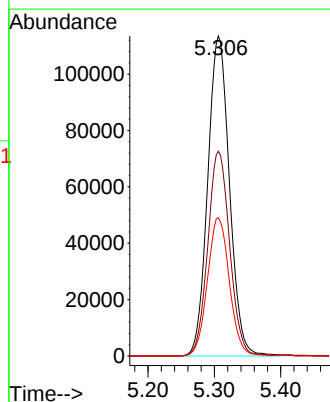
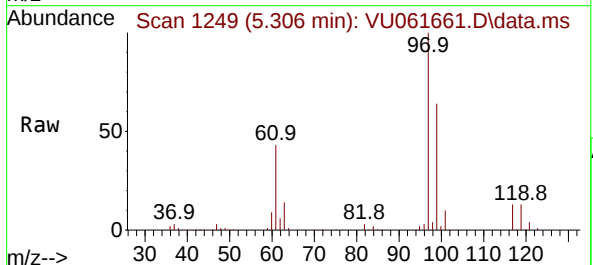
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ClientSampleId :

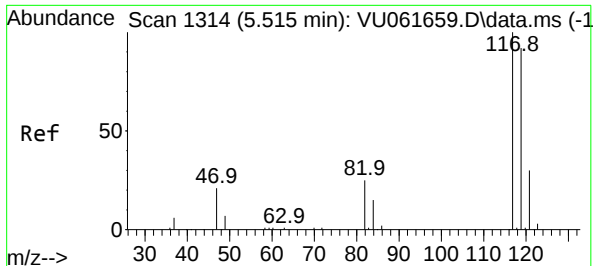
Tgt Ion: 62 Resp: 41854
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5



#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

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

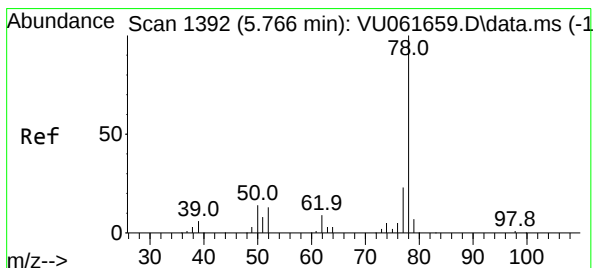
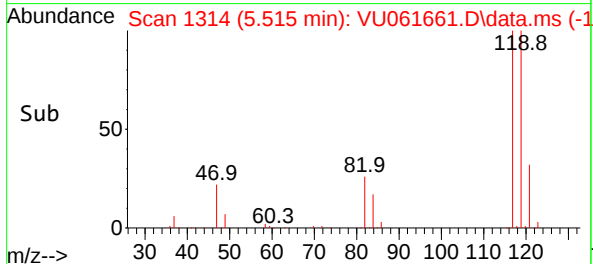
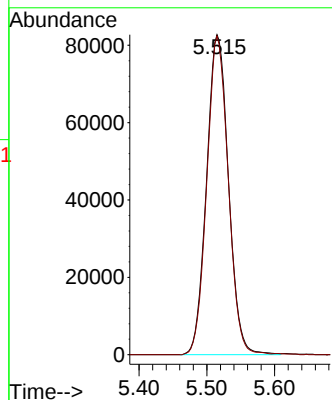
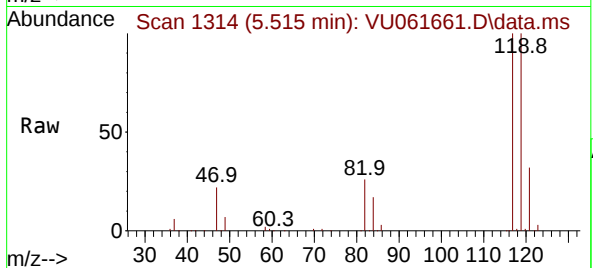




#31
Carbon tetrachloride
Concen: 10.306 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

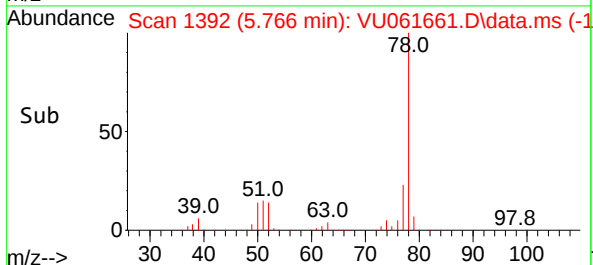
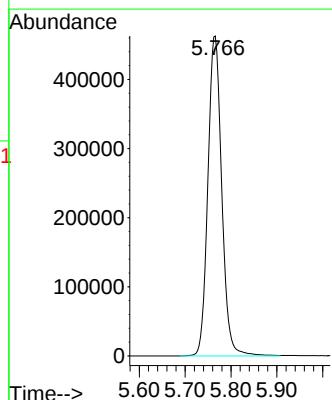
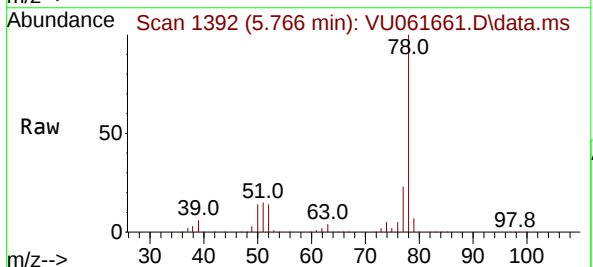
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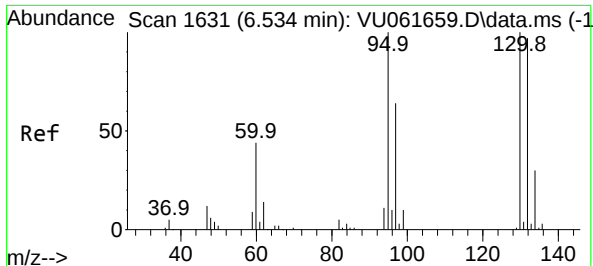
Tgt Ion:117 Resp: 186282
Ion Ratio Lower Upper
117 100
119 97.0 76.6 114.8



#33
Benzene
Concen: 17.241 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion: 78 Resp: 973070

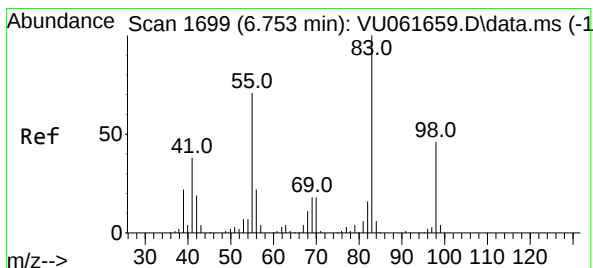
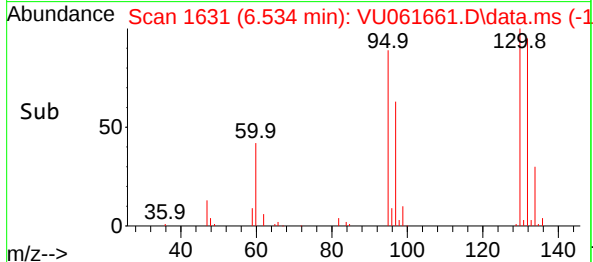
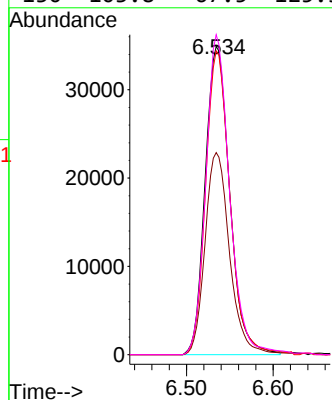
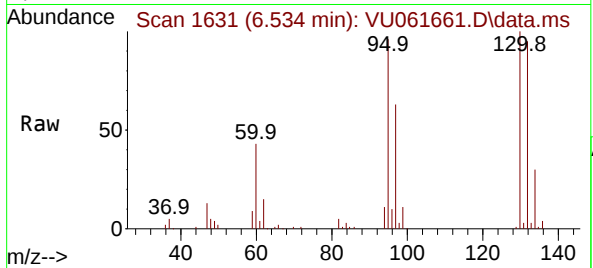




#34
Trichloroethene
Concen: 4.524 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

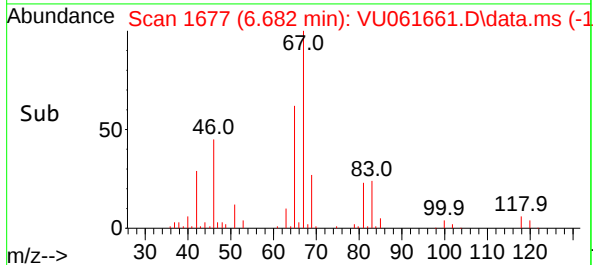
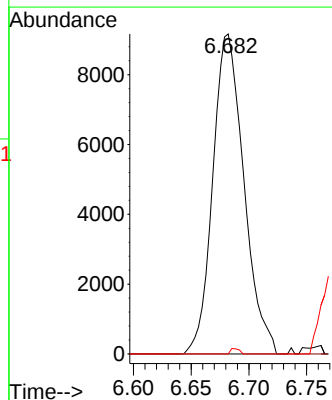
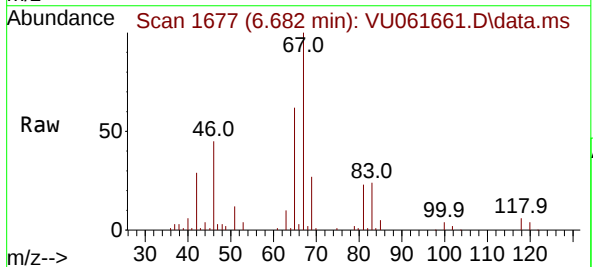
Instrument :
MSVOA_U
ClientSampleId :

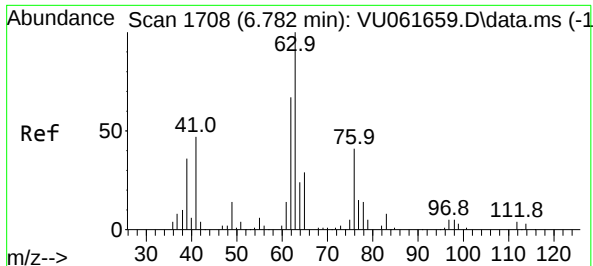
Tgt Ion: 95 Resp: 68937
Ion Ratio Lower Upper
95 100
97 65.5 43.5 80.9
132 98.5 65.2 121.0
130 103.8 67.5 125.3



#35
Methylcyclohexane
Concen: 0.747 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.071 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion: 83 Resp: 17176
Ion Ratio Lower Upper
83 100
55 0.0 56.4 84.6#
98 21.9 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 13.746 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

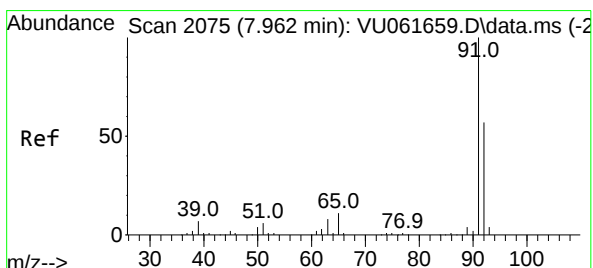
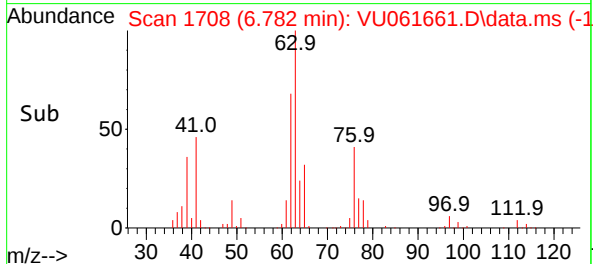
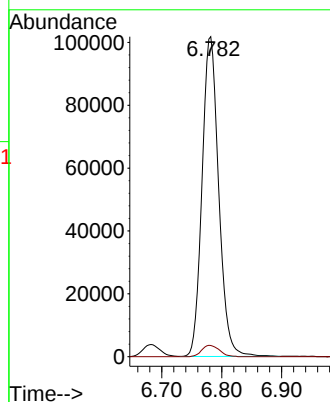
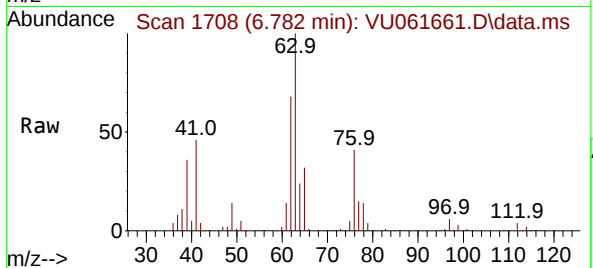
ClientSampleId :

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

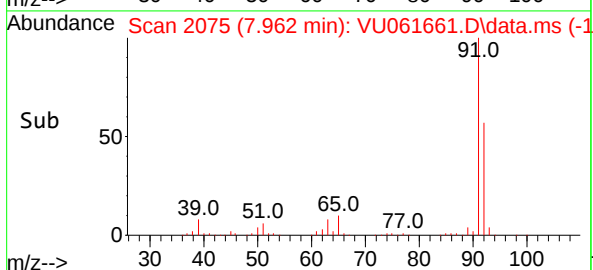
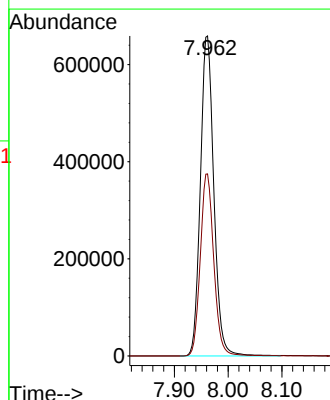
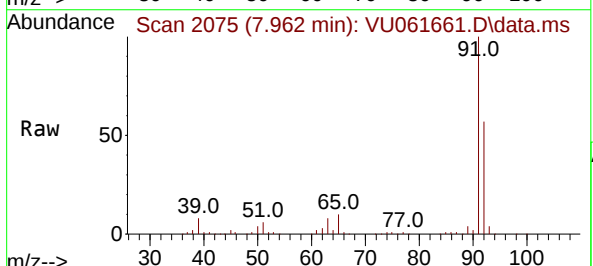
Acq: 14 Nov 2024 10:43

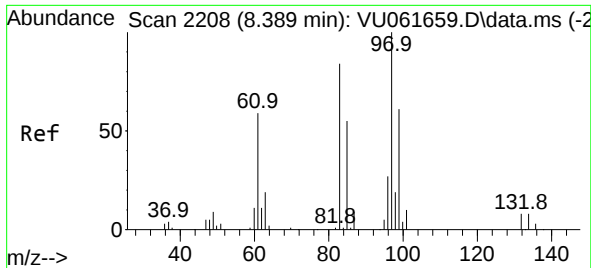
Tgt Ion: 91 Resp: 1145968

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7

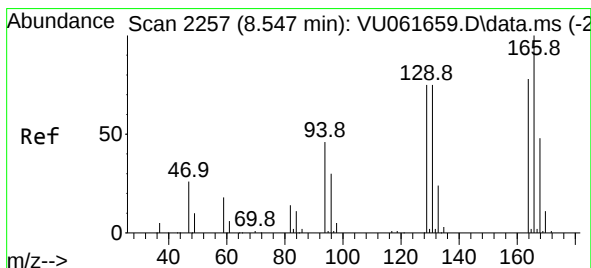
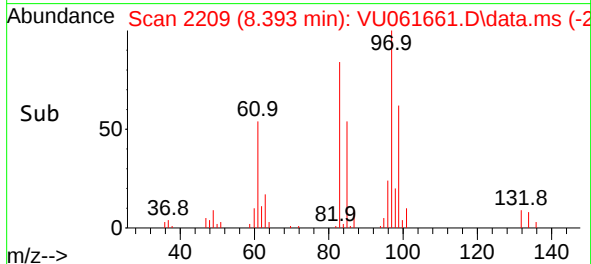
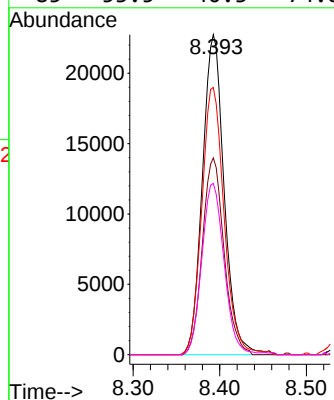
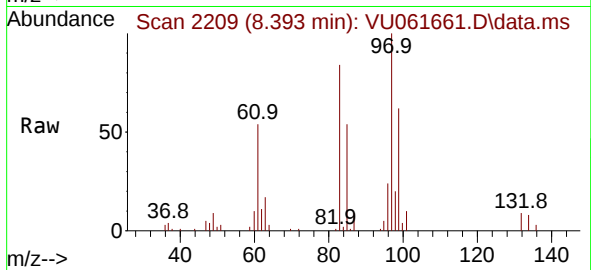




#45
1,1,2-Trichloroethane
Concen: 3.804 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

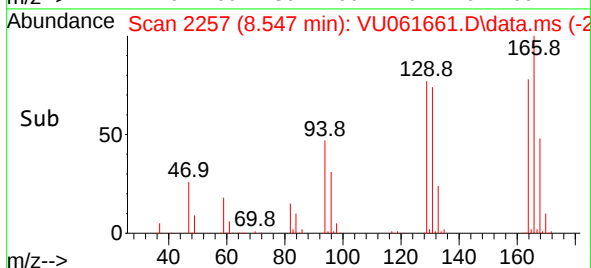
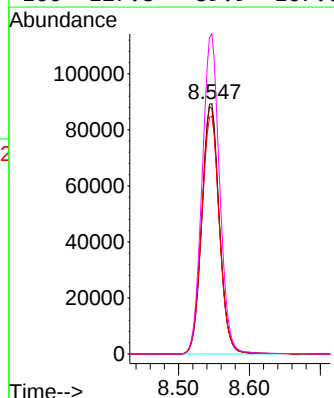
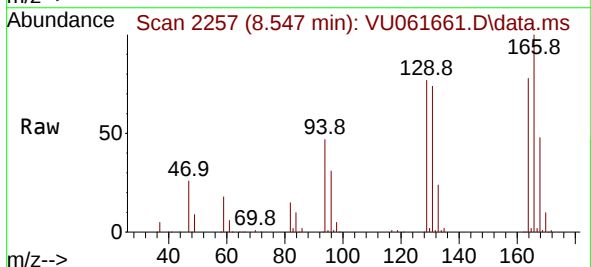
Instrument :
MSVOA_U
ClientSampleId :

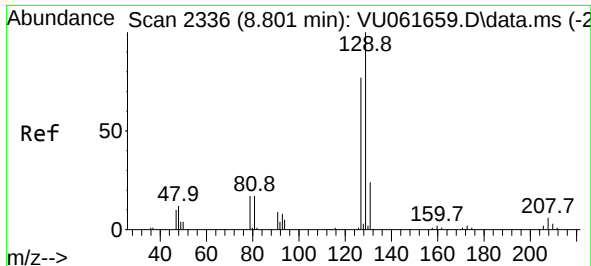
Tgt Ion:	97	Resp:	39710
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.3
83	83.5	63.2	117.4
85	53.5	40.3	74.8



#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

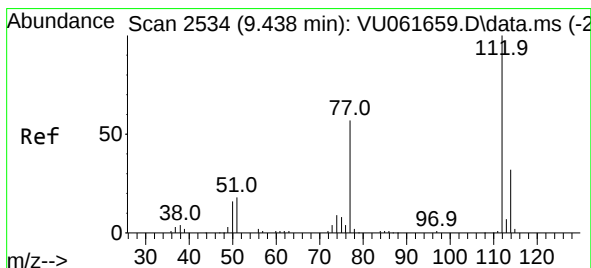
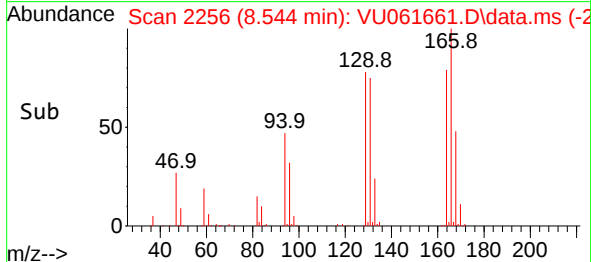
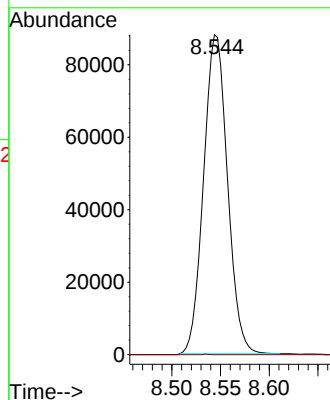
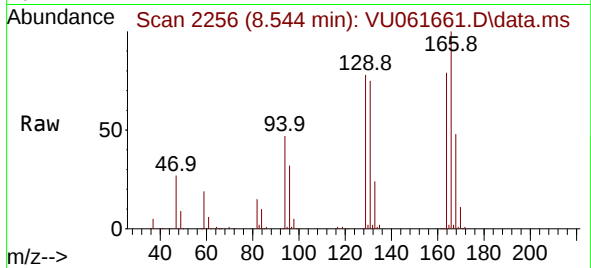




#49
Dibromochloromethane
Concen: 13.712 ug/L
RT: 8.544 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

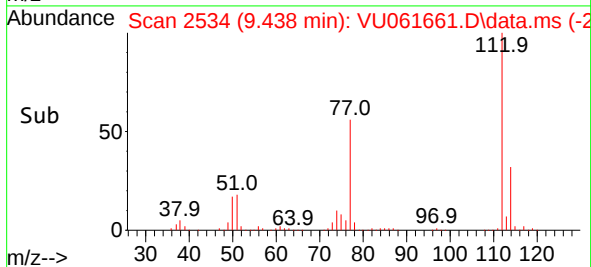
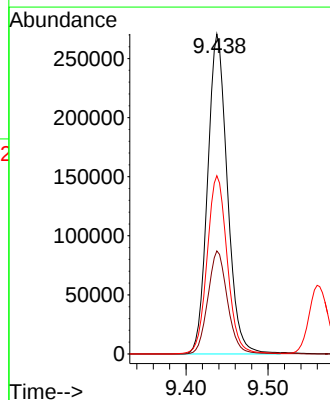
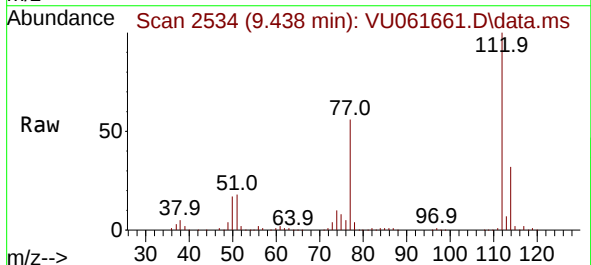
Instrument :
MSVOA_U
ClientSampleId :

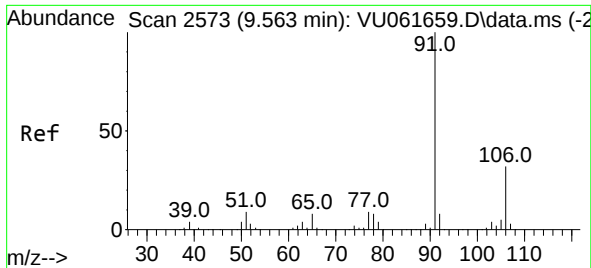
Tgt Ion:129 Resp: 150082
Ion Ratio Lower Upper
129 100
127 0.0 55.1 102.3#



#51
Chlorobenzene
Concen: 11.580 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

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

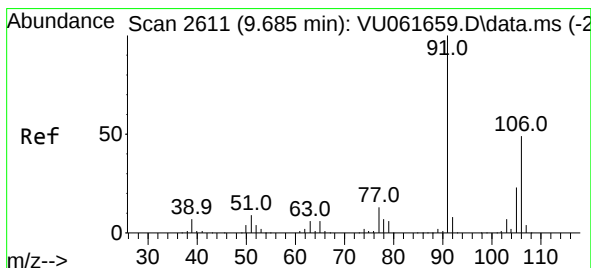
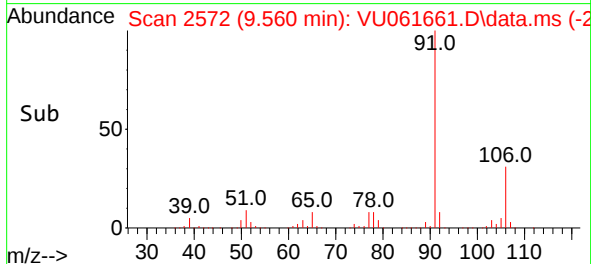
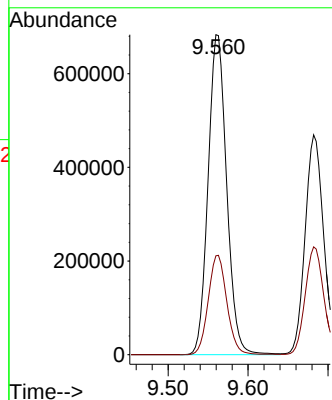
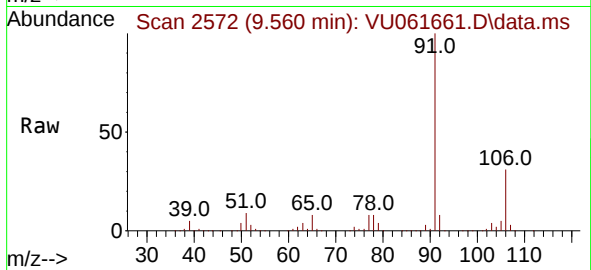




#52
Ethylbenzene
Concen: 17.084 ug/L
RT: 9.560 min Scan# 2105
Delta R.T. -0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

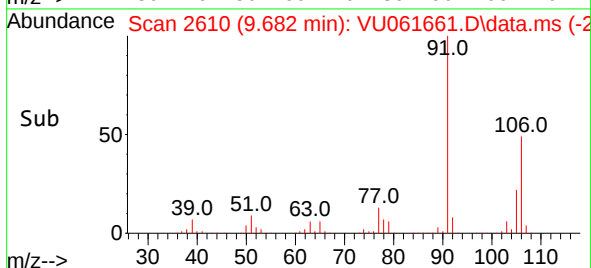
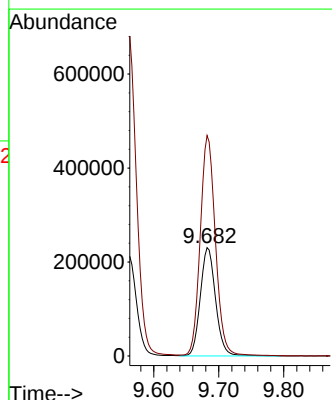
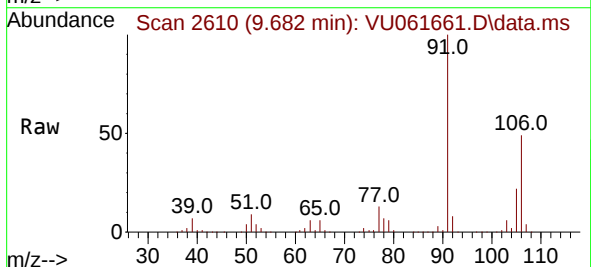
Instrument :
MSVOA_U
ClientSampleId :

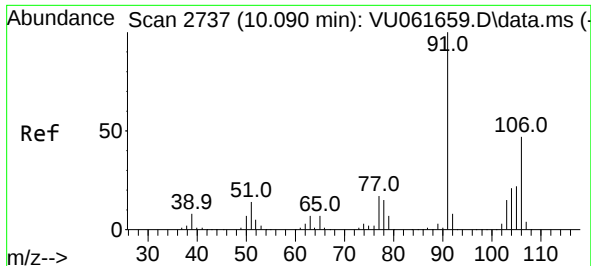
Tgt Ion: 91 Resp: 1105851
Ion Ratio Lower Upper
91 100
106 30.9 21.7 40.3



#53
m,p-Xylene
Concen: 15.208 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

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

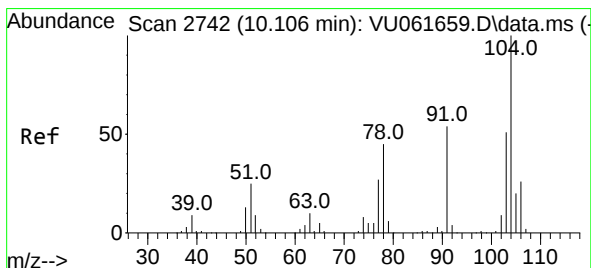
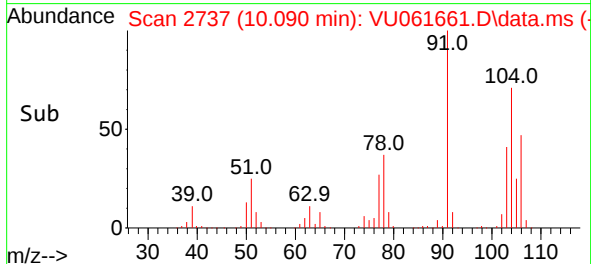
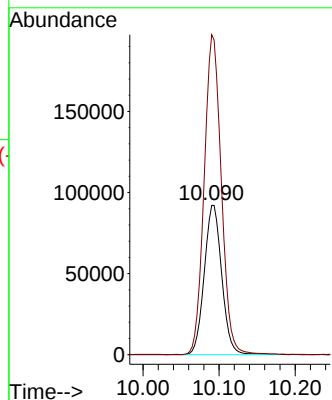
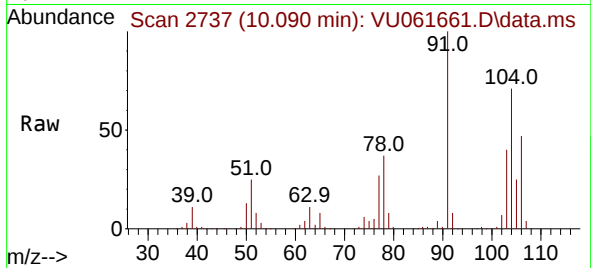




#54
o-Xylene
Concen: 6.108 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

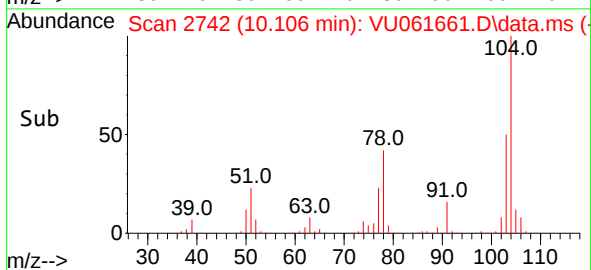
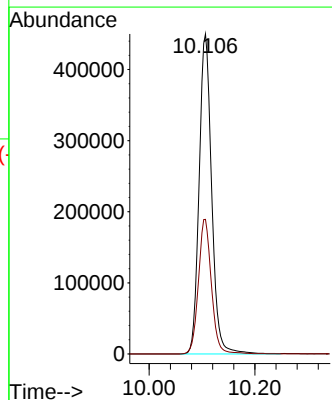
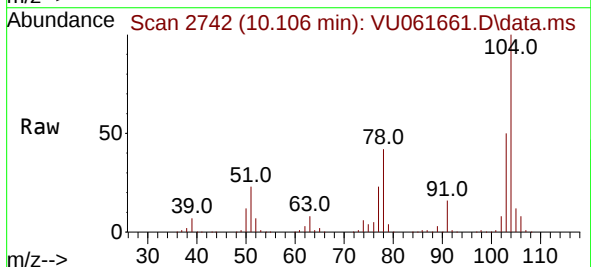
Instrument :
MSVOA_U
ClientSampleId :

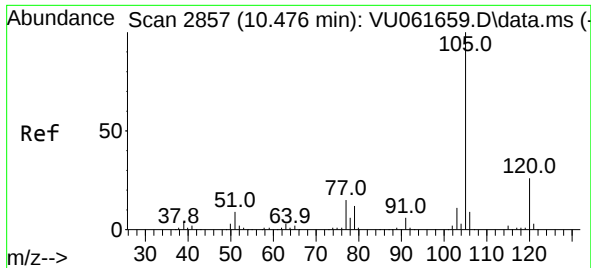
Tgt Ion:106 Resp: 147045
Ion Ratio Lower Upper
106 100
91 214.3 151.3 280.9



#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

Tgt Ion:104 Resp: 739373
Ion Ratio Lower Upper
104 100
78 42.0 31.6 58.6

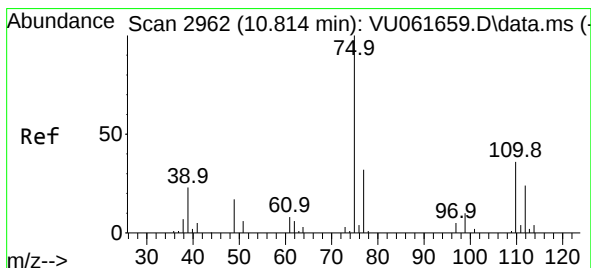
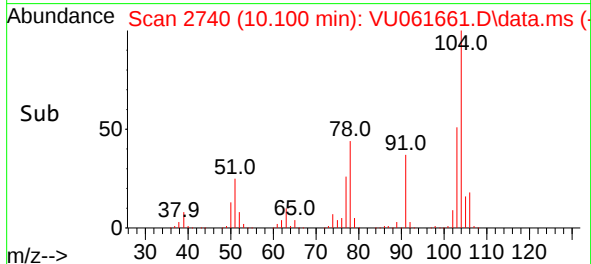
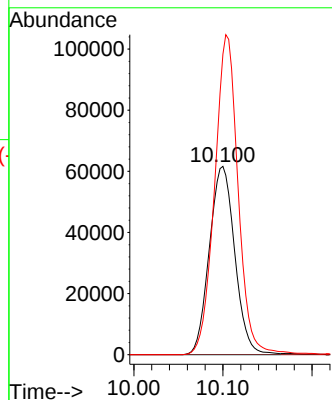
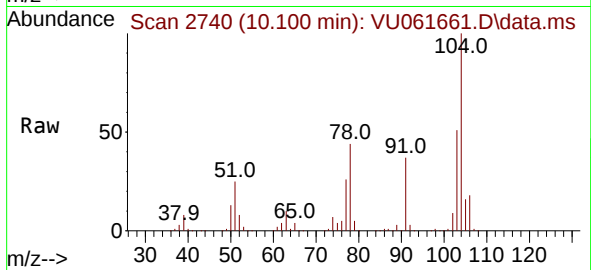




#60
Isopropylbenzene
Concen: 1.946 ug/L
RT: 10.100 min Scan# 21
Delta R.T. -0.376 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

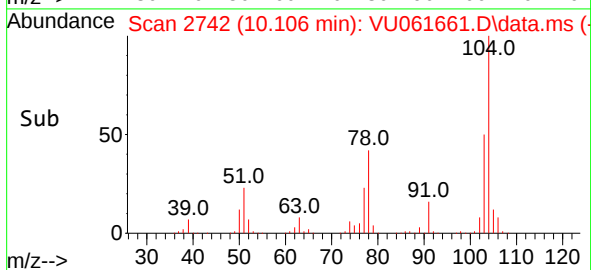
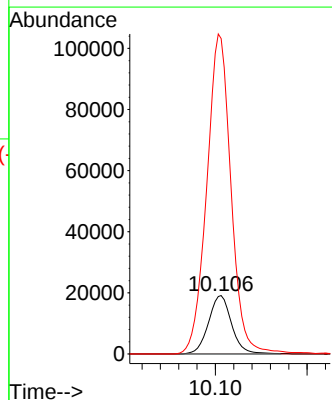
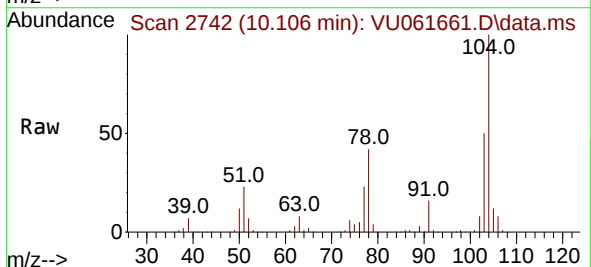
Instrument :
MSVOA_U
ClientSampleId :

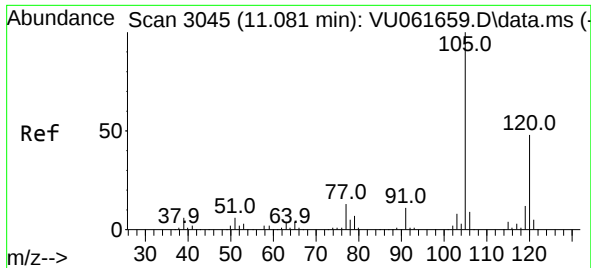
Tgt Ion:105 Resp: 122122
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#
77 157.7 12.8 19.2#



#61
1,2,3-Trichloropropane
Concen: 3.921 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.707 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Tgt Ion: 75 Resp: 33430
Ion Ratio Lower Upper
75 100
110 0.0 31.3 46.9#
77 576.2 26.0 39.0#

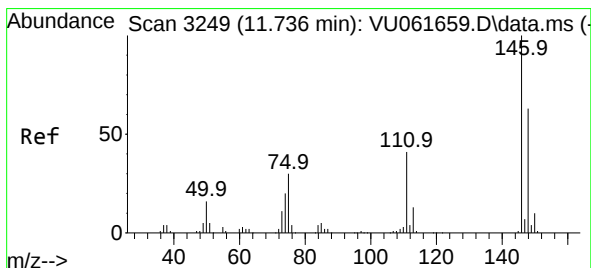
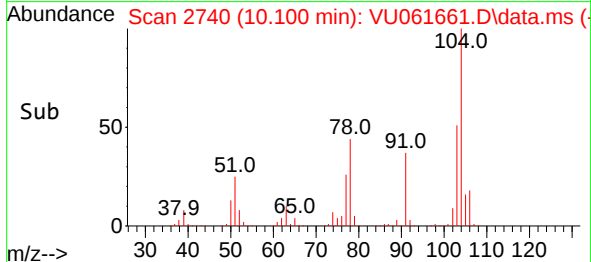
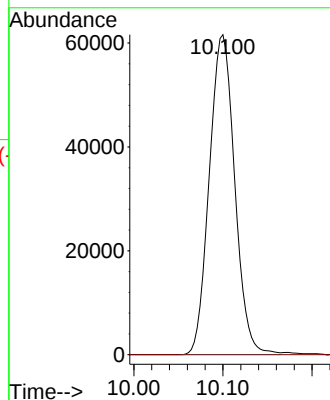
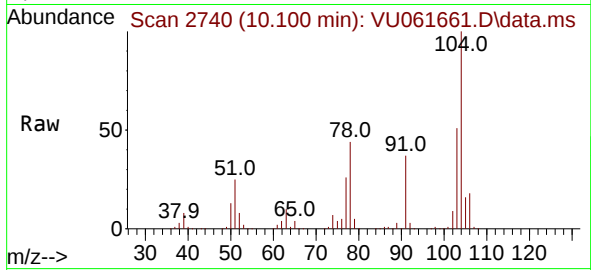




#62
 1,3,5-Trimethylbenzene
 Concen: 2.430 ug/L
 RT: 10.100 min Scan# 21
 Delta R.T. -0.981 min
 Lab File: VU061661.D
 Acq: 14 Nov 2024 10:43

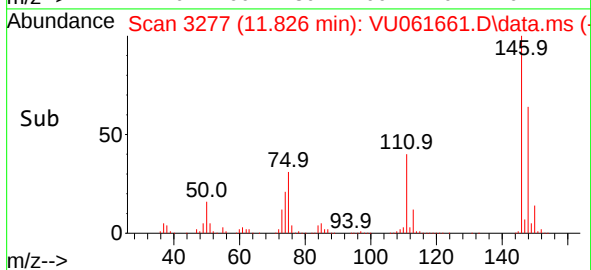
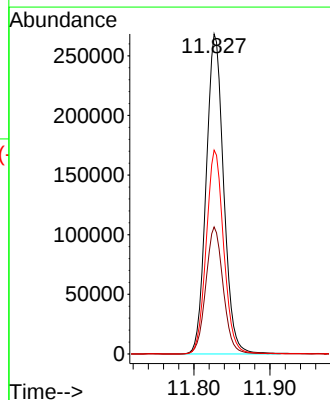
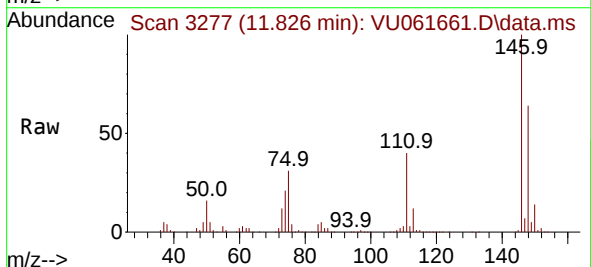
Instrument :
 MSVOA_U
 ClientSampleId :

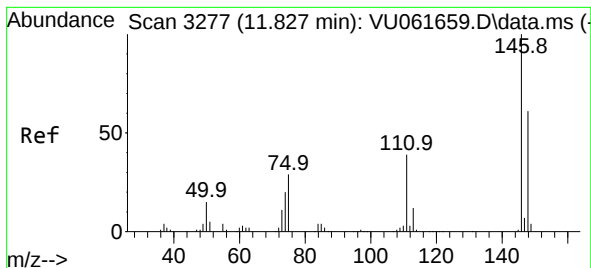
Tgt Ion:105 Resp: 122122
 Ion Ratio Lower Upper
 105 100
 120 0.0 38.5 57.7#



#64
 1,3-Dichlorobenzene
 Concen: 14.898 ug/L
 RT: 11.826 min Scan# 3277
 Delta R.T. 0.090 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 29.3 54.3
 148 63.7 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 14.672 ug/L

RT: 11.826 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU061661.D

Acq: 14 Nov 2024 10:43

Instrument :

MSVOA_U

ClientSampleId :

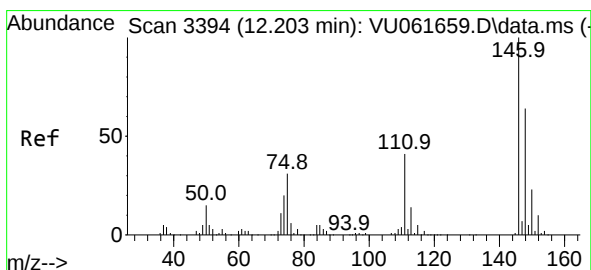
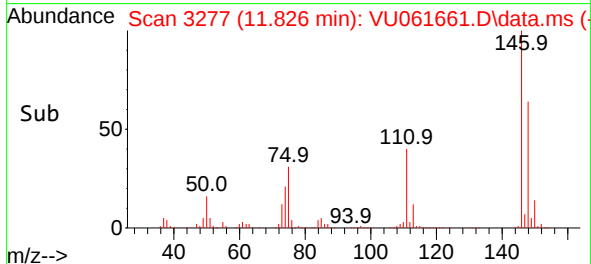
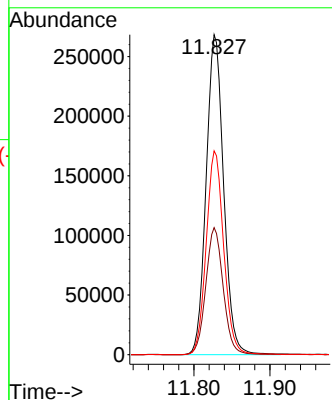
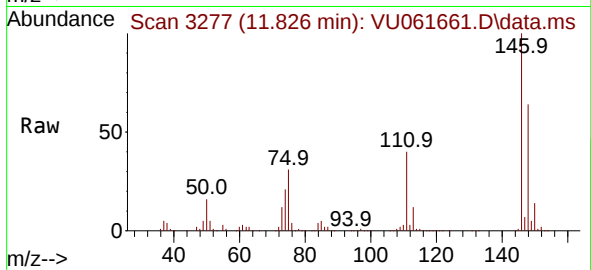
Tgt Ion:146 Resp: 428870

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

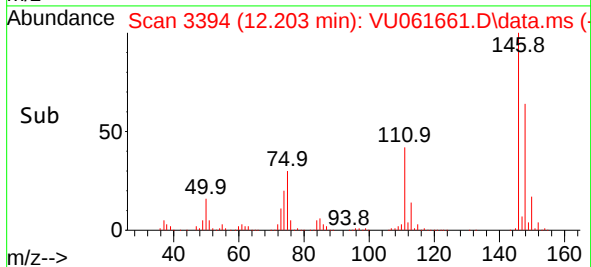
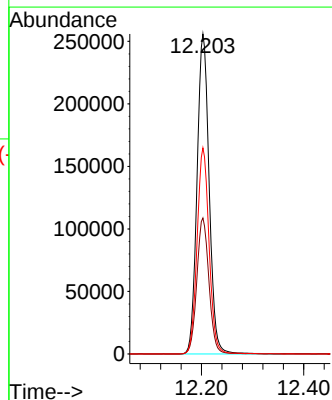
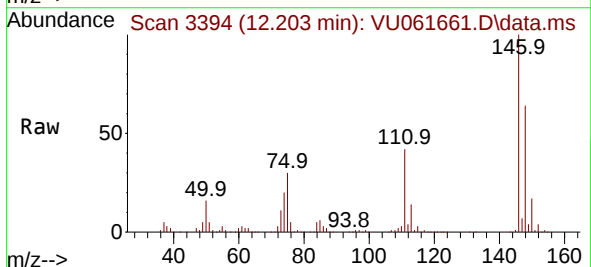
Tgt Ion:146 Resp: 420720

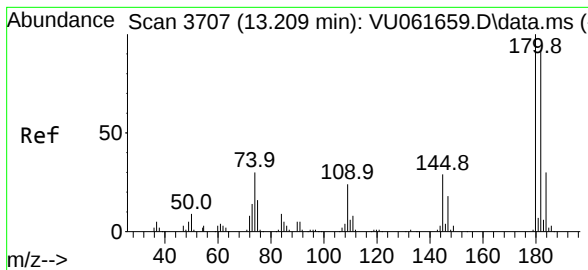
Ion Ratio Lower Upper

146 100

111 42.5 35.2 52.8

148 64.4 52.6 79.0

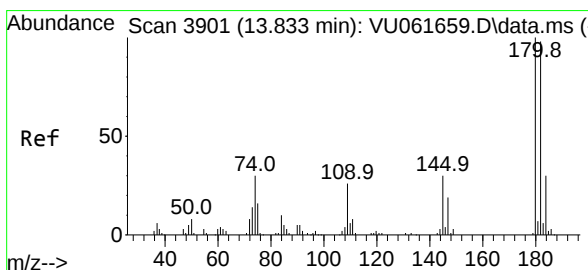
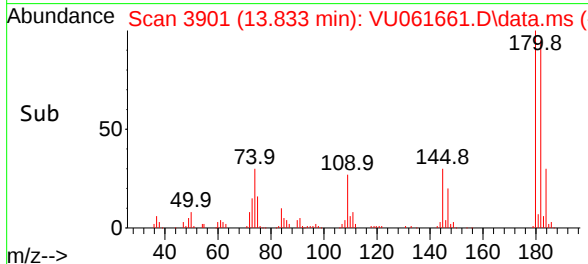
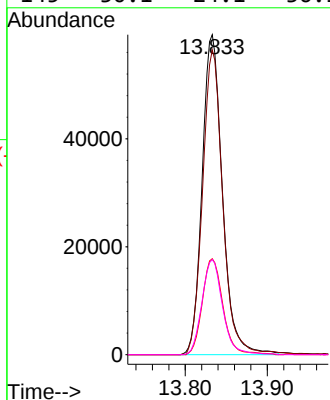
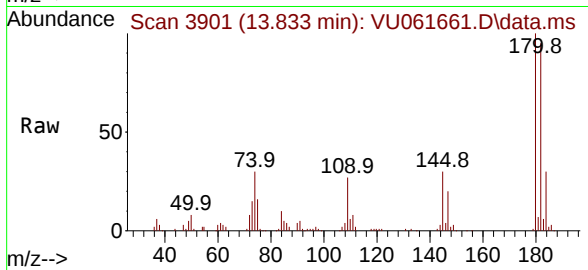




#69
1,3,5-Trichlorobenzene
Concen: 5.074 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.624 min
Lab File: VU061661.D
Acq: 14 Nov 2024 10:43

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 101982
Ion Ratio Lower Upper
180 100
182 94.9 77.1 115.7
184 30.3 24.7 37.1
145 30.1 24.1 36.1



#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

