

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047648.D
 Acq On : 24 Mar 2022 21:31
 Operator : SY/MD
 Sample : N2081-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X6

Quant Time: Mar 24 23:50:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	197207	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	204082	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	109388	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	91214	63.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 127.560%	
7) Chloroethane-d5	1.919	69	76622	67.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 135.900%#	
11) 1,1-Dichloroethene-d2	2.571	63	130733	49.966	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.940%	
21) 2-Butanone-d5	4.636	46	187839	153.030	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 153.030%#	
24) Chloroform-d	5.067	84	172811	66.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 132.080%#	
26) 1,2-Dichloroethane-d4	5.706	65	110861	69.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 138.160%#	
32) Benzene-d6	5.729	84	359108	69.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 139.860%#	
36) 1,2-Dichloropropane-d6	6.694	67	111363	70.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 141.220%#	
41) Toluene-d8	7.899	98	330741	66.105	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 132.200%#	
43) trans-1,3-Dichloroprop...	8.179	79	53194	66.577	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 133.160%#	
47) 2-Hexanone-d5	8.636	63	138337	149.840	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 149.840%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	176700	65.286	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 130.580%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	141111	72.509	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 145.020%#	
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	810	0.454	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1413	0.972	ug/L #	18
12) 1,1-Dichloroethene	2.584	96	8378	6.193	ug/L #	1
17) trans-1,2-Dichloroethene	3.362	96	1522	1.043	ug/L	92
19) 1,1-Dichloroethane	3.877	63	103454	41.112	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	46568	29.112	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	323427	139.765	ug/L	99
31) Carbon tetrachloride	5.321	117	44807	21.443	ug/L	100
34) Trichloroethene	6.546	95	10118	6.533	ug/L	97
37) 1,2-Dichloropropane	6.694	63	11952	7.959	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3062	1.314	ug/L #	47
44) trans-1,3-Dichloropropene	8.185	75	2657	1.142	ug/L	85
46) Tetrachloroethene	8.555	164	21511	15.456	ug/L	99
49) Dibromochloromethane	8.555	129	19304	10.465	ug/L #	11
60) 1,2,3-Trichloropropane	11.812	75	11544	5.598	ug/L #	65
63) 1,2,4-Trimethylbenzene	11.468	105	11583	2.377	ug/L	95
71) Naphthalene	14.089	128	11355	1.629	ug/L	98

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QLast Update : Thu Mar 24 23:34:42 2022
Response via : Initial Calibration

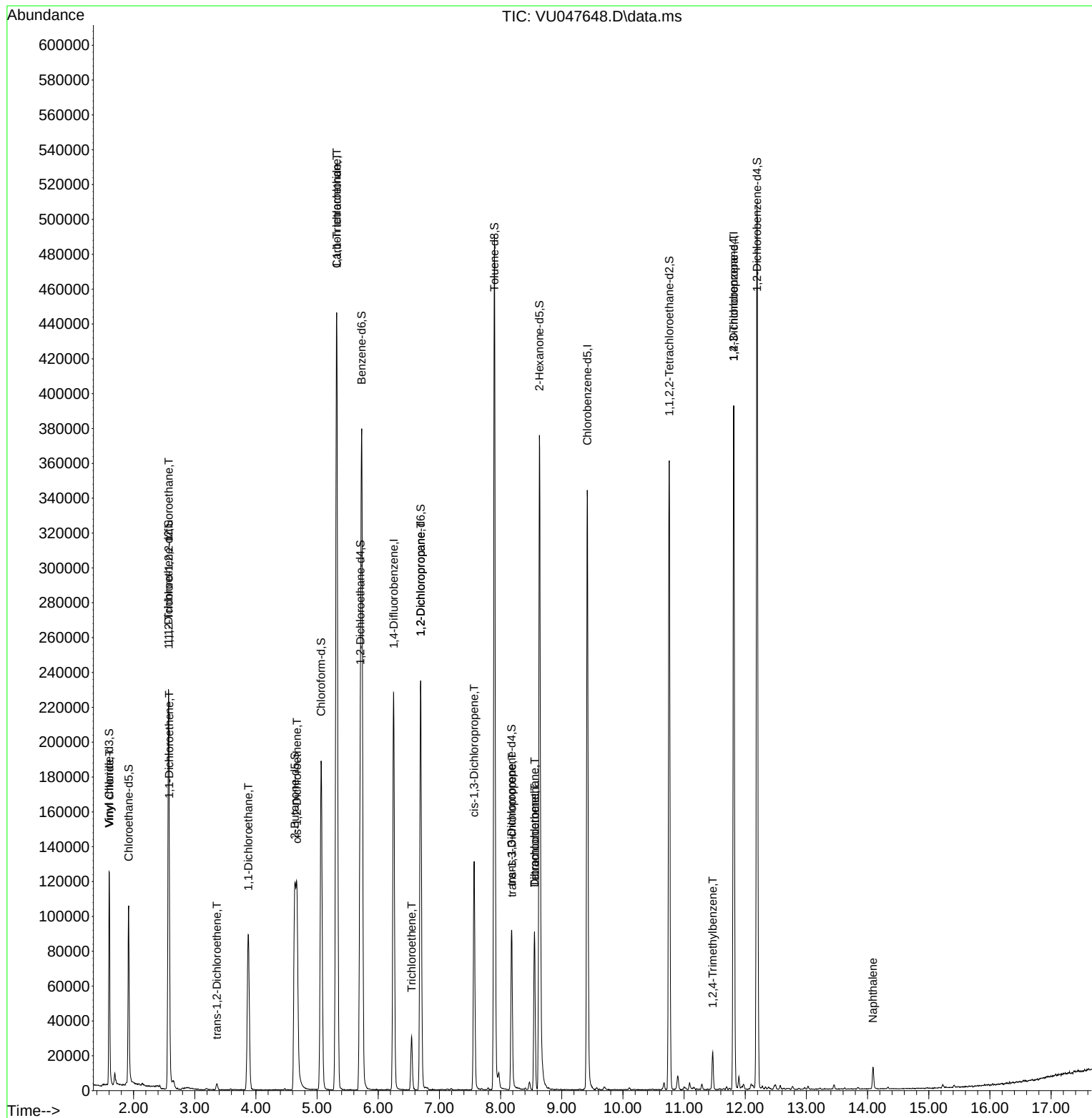
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

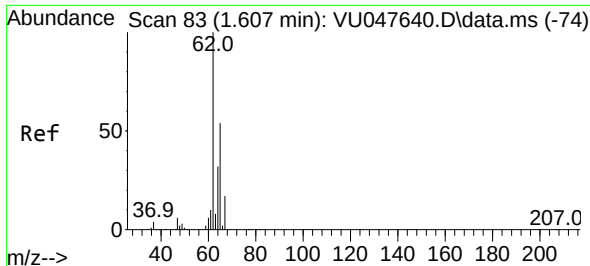
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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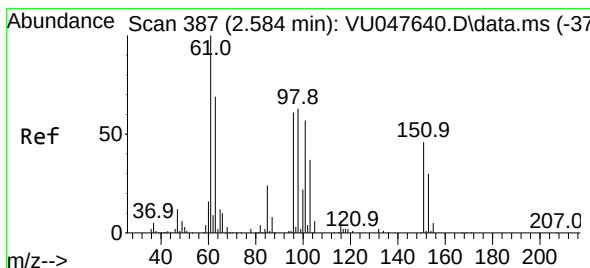
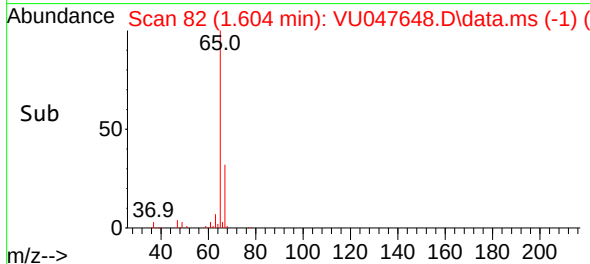
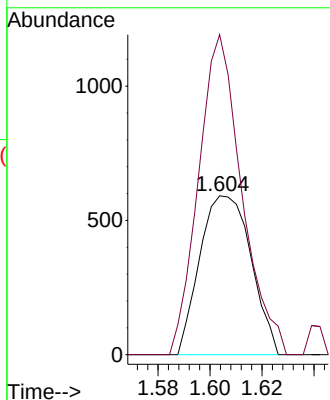
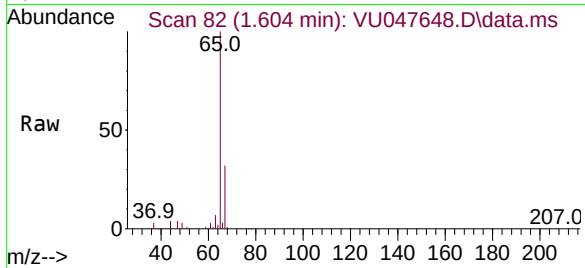




#5
 Vinyl chloride
 Concen: 0.454 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047648.D
 Acq: 24 Mar 2022 21:31

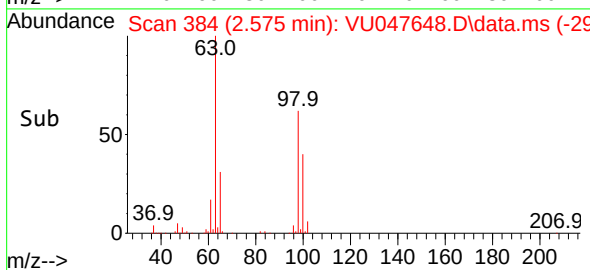
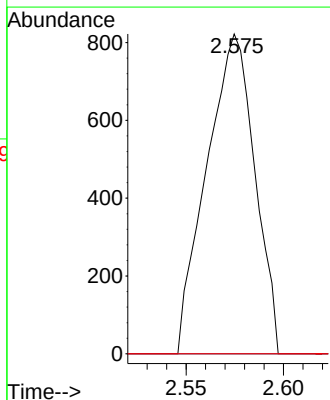
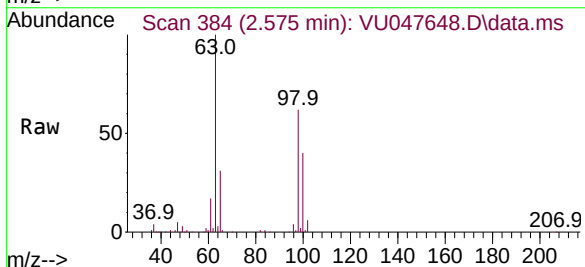
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X6

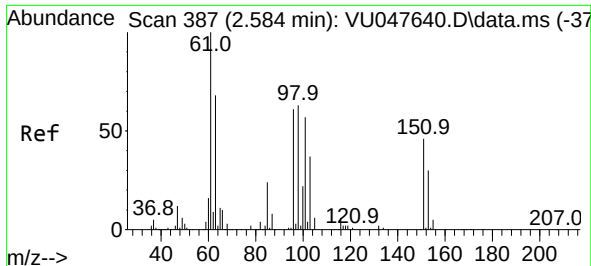
Tgt Ion: 62 Resp: 810
 Ion Ratio Lower Upper
 62 100
 64 201.4 23.7 43.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.972 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047648.D
 Acq: 24 Mar 2022 21:31

Tgt Ion: 101 Resp: 1413
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#





#12

1,1-Dichloroethene

Concen: 6.193 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.000 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

EW5X6

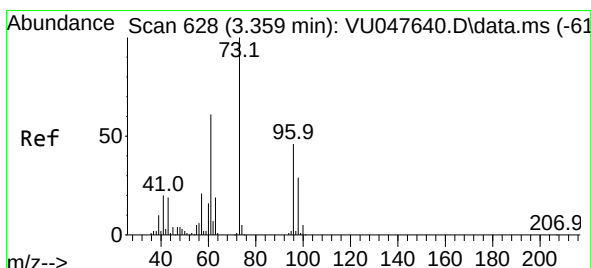
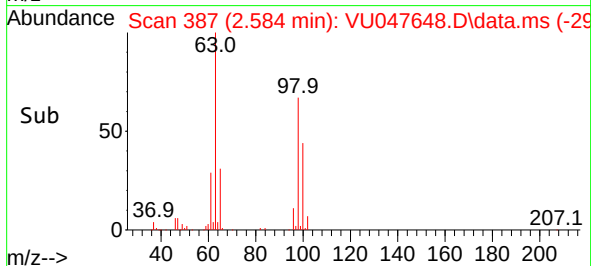
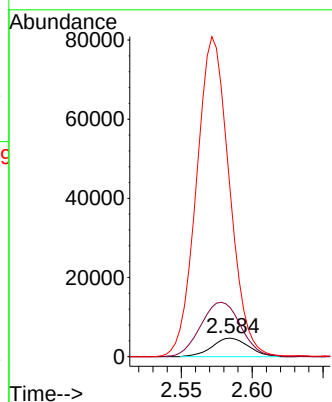
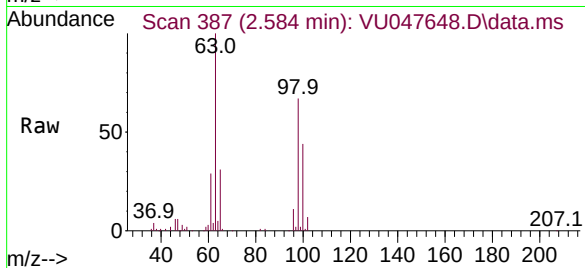
Tgt Ion: 96 Resp: 8378

Ion Ratio Lower Upper

96 100

61 265.5 113.1 210.1#

63 901.4 94.8 176.0#



#17

trans-1,2-Dichloroethene

Concen: 1.043 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

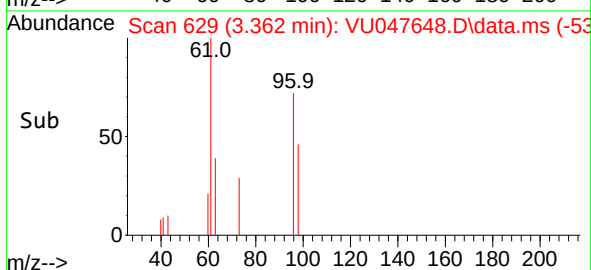
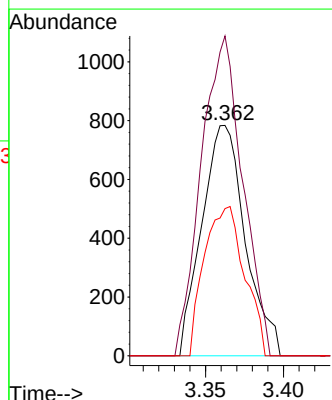
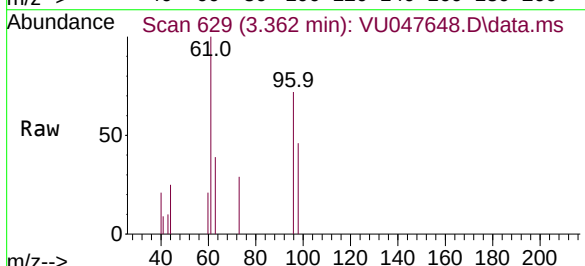
Tgt Ion: 96 Resp: 1522

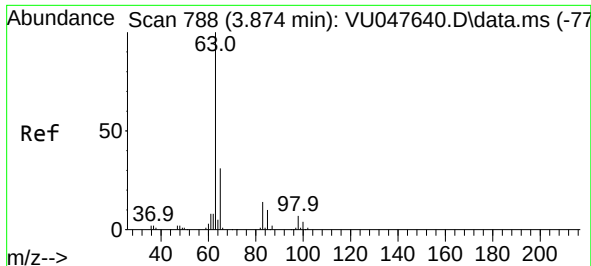
Ion Ratio Lower Upper

96 100

61 138.8 88.4 164.2

98 63.9 43.3 80.5





#19

1,1-Dichloroethane

Concen: 41.112 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.003 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

EW5X6

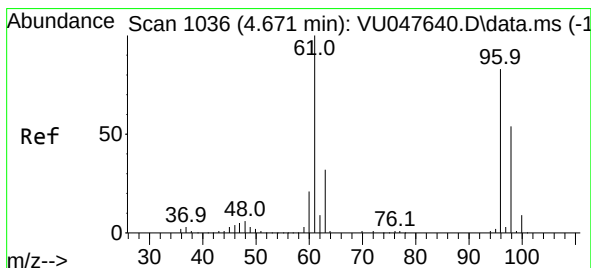
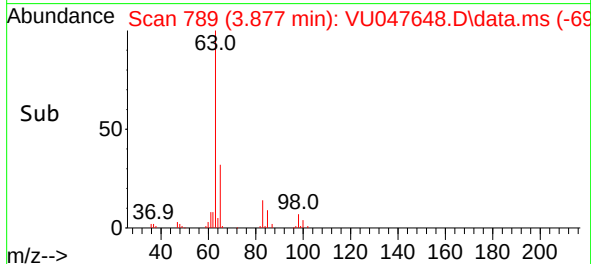
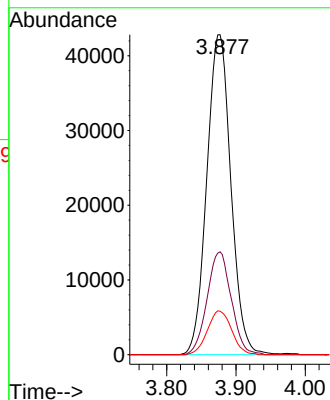
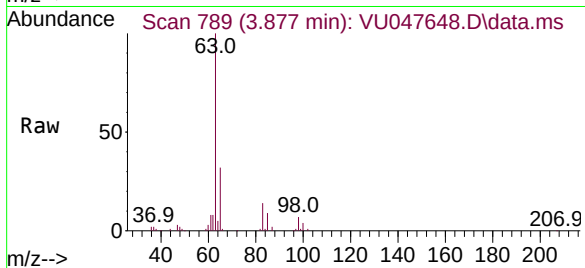
Tgt Ion: 63 Resp: 103454

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.6 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 29.112 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

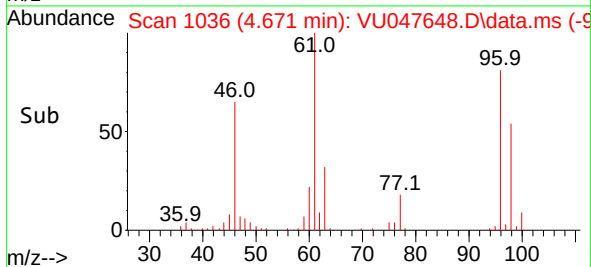
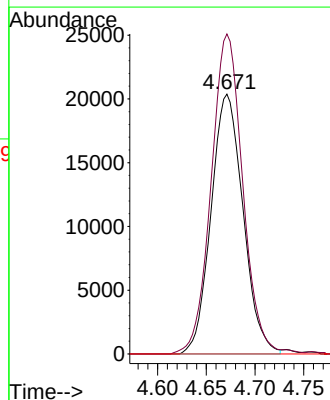
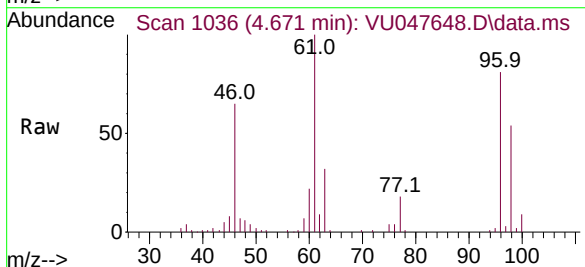
Tgt Ion: 96 Resp: 46568

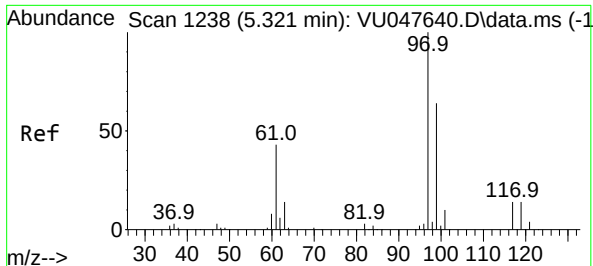
Ion Ratio Lower Upper

96 100

61 123.1 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 139.765 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

EW5X6

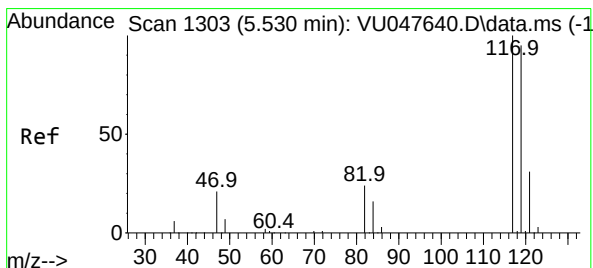
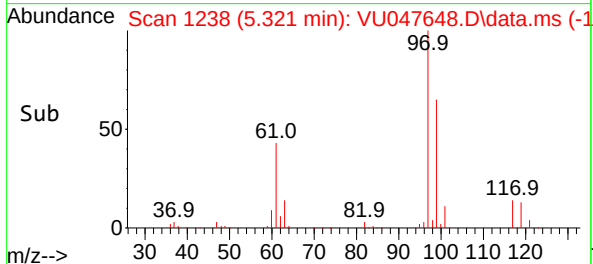
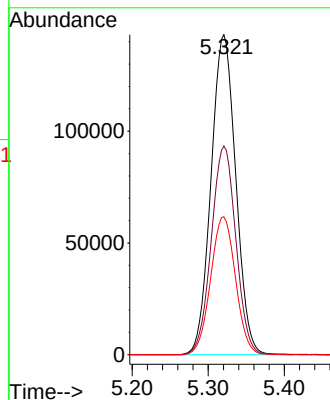
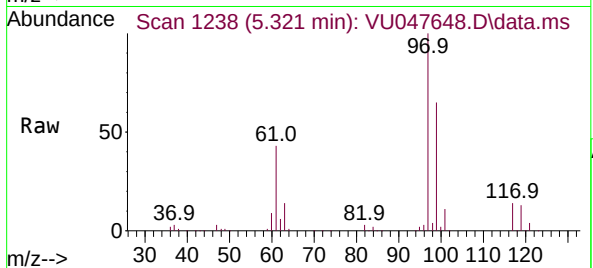
Tgt Ion: 97 Resp: 323427

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 43.4 34.2 51.4



#31

Carbon tetrachloride

Concen: 21.443 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU047648.D

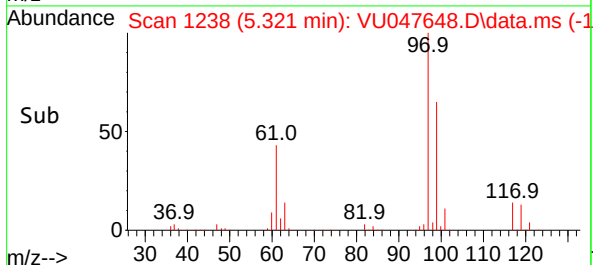
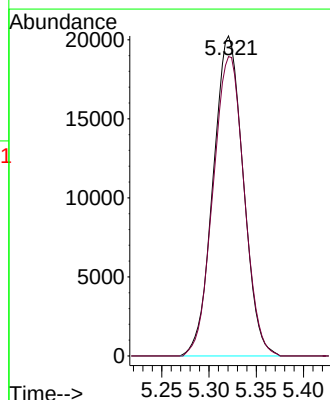
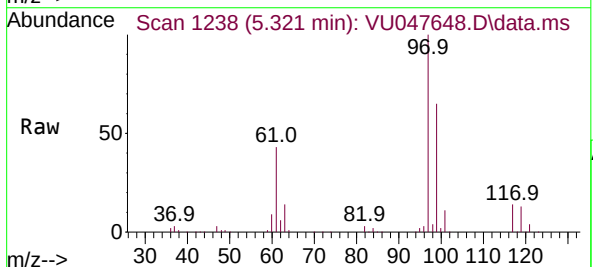
Acq: 24 Mar 2022 21:31

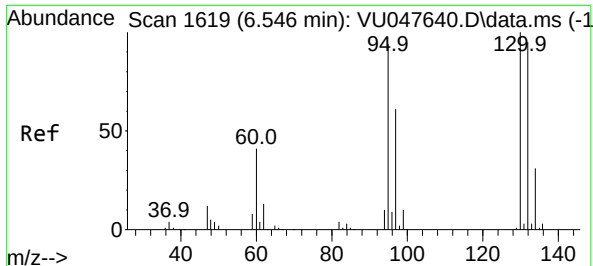
Tgt Ion:117 Resp: 44807

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8

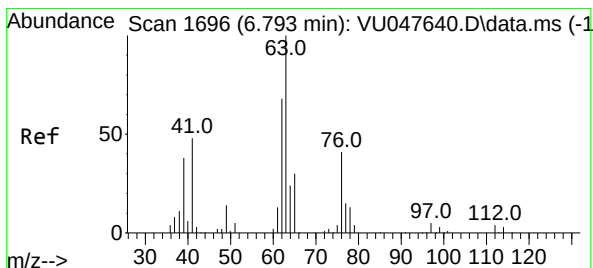
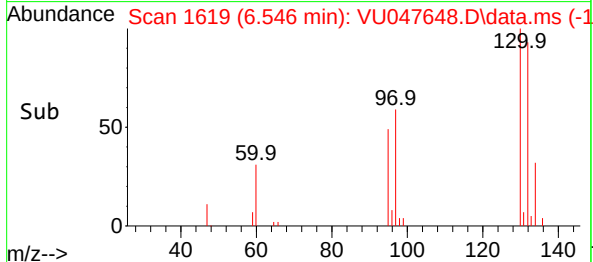
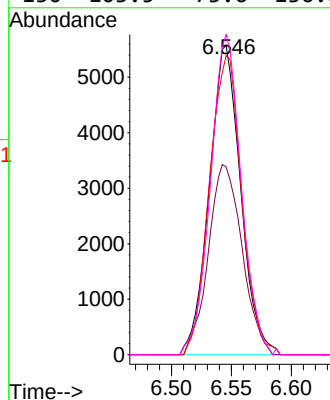
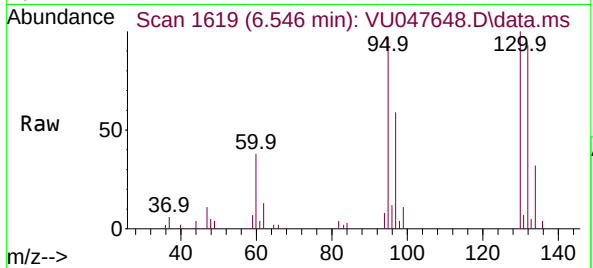




#34
Trichloroethene
Concen: 6.533 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

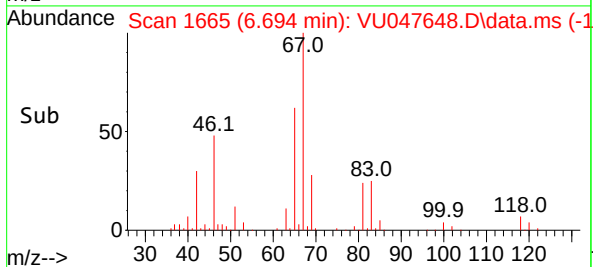
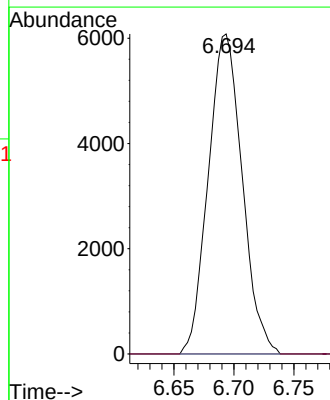
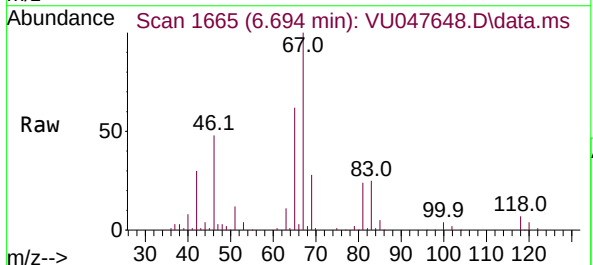
Instrument :
MSVOA_U
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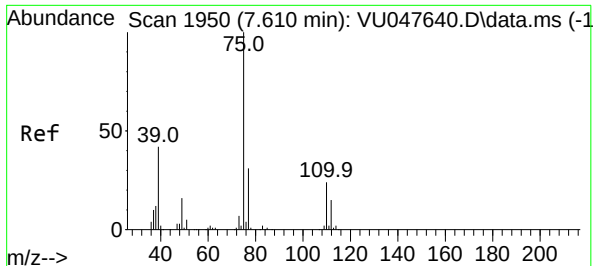
Tgt Ion: 95 Resp: 10118
Ion Ratio Lower Upper
95 100
97 60.8 44.7 82.9
132 96.7 70.4 130.8
130 103.5 73.6 136.8



#37
1,2-Dichloropropane
Concen: 7.959 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

Tgt Ion: 63 Resp: 11952
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 1.314 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047648.D

Acq: 24 Mar 2022 21:31

Instrument :

MSVOA_U

ClientSampleId :

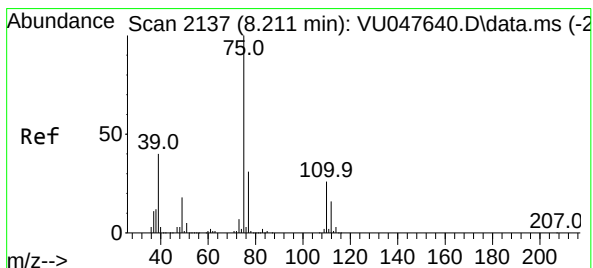
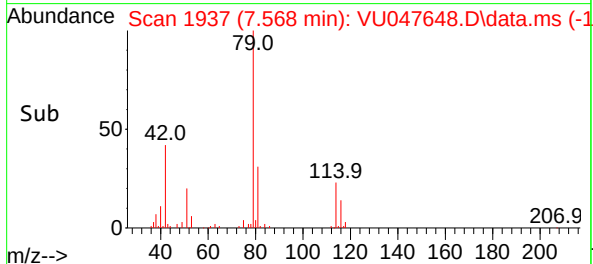
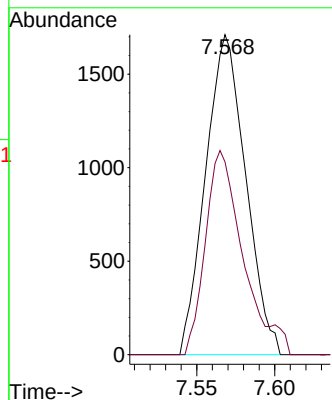
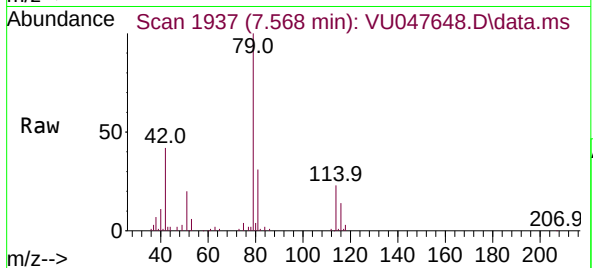
EW5X6

Tgt Ion: 75 Resp: 3062

Ion Ratio Lower Upper

75 100

77 60.3 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.026 min

Lab File: VU047648.D

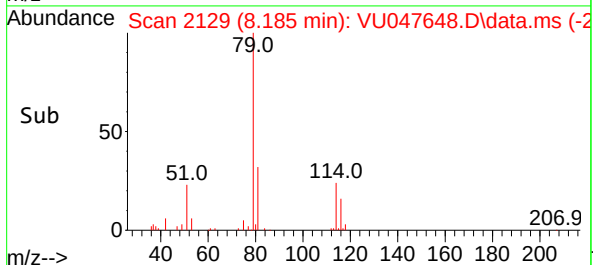
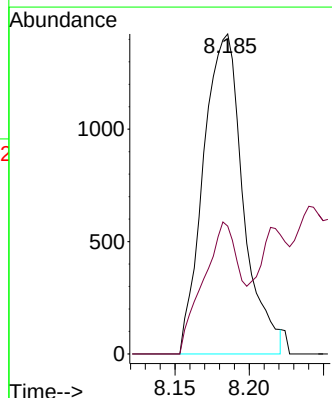
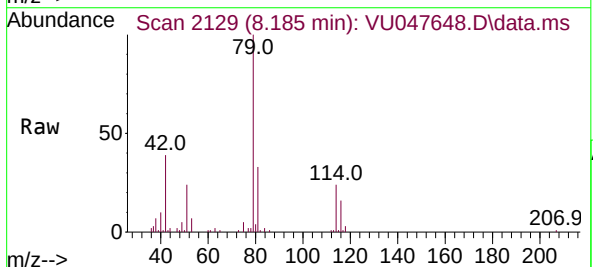
Acq: 24 Mar 2022 21:31

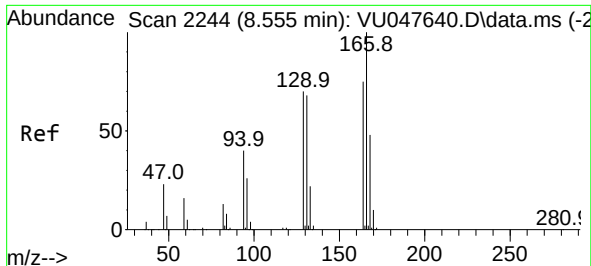
Tgt Ion: 75 Resp: 2657

Ion Ratio Lower Upper

75 100

77 40.0 22.0 40.8

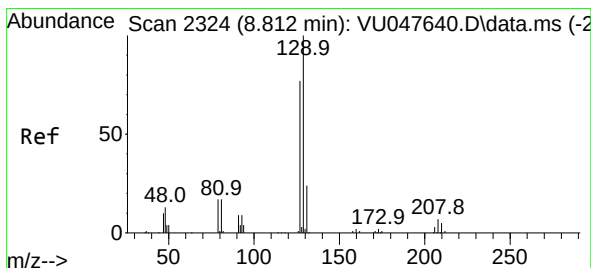
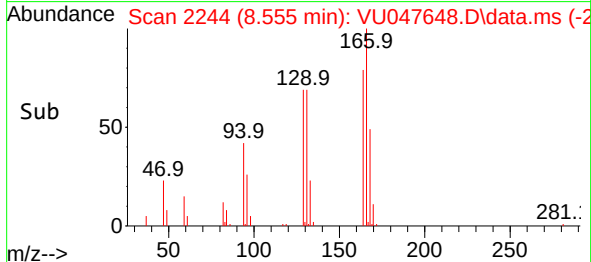
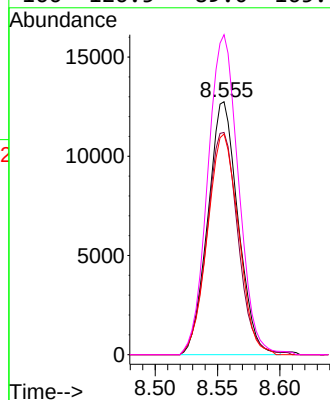
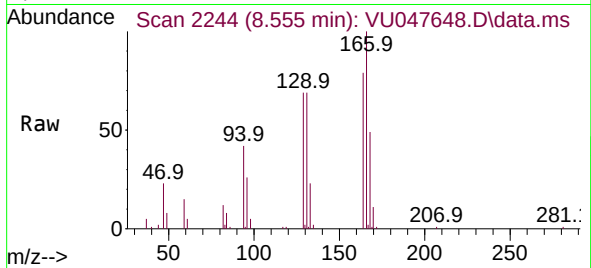




#46
Tetrachloroethene
Concen: 15.456 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

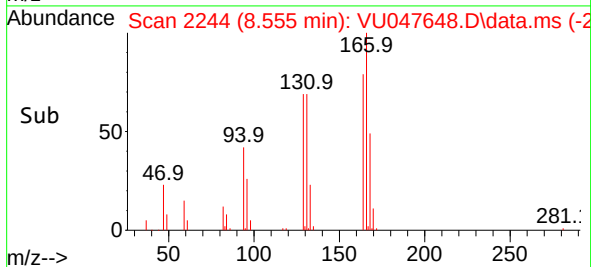
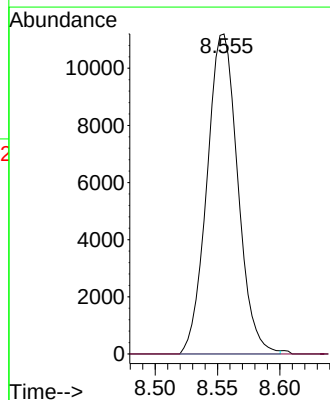
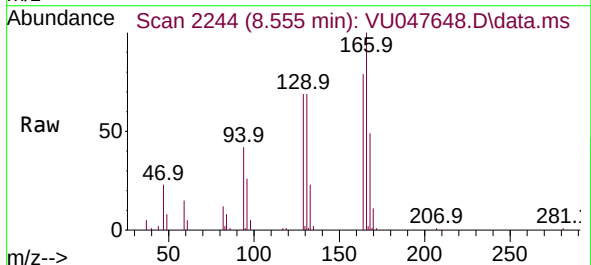
Instrument :
MSVOA_U
ClientSampleId :
EW5X6

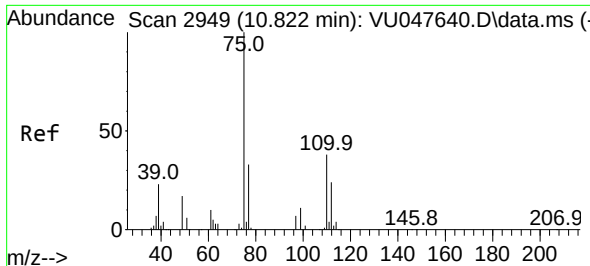
Tgt Ion:164 Resp: 21511
Ion Ratio Lower Upper
164 100
129 87.9 62.4 116.0
131 87.3 60.7 112.7
166 126.5 89.0 165.4



#49
Dibromochloromethane
Concen: 10.465 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

Tgt Ion:129 Resp: 19304
Ion Ratio Lower Upper
129 100
127 0.0 54.2 100.6#

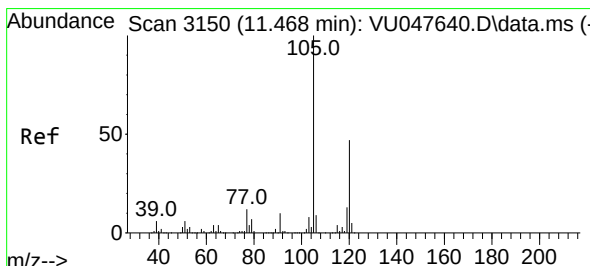
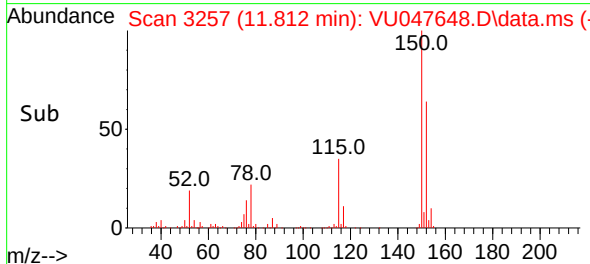
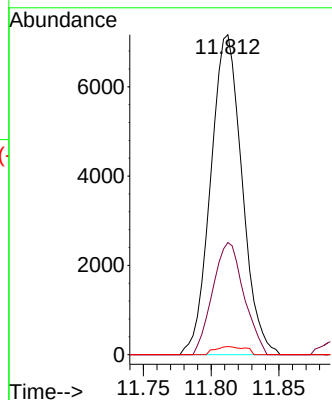
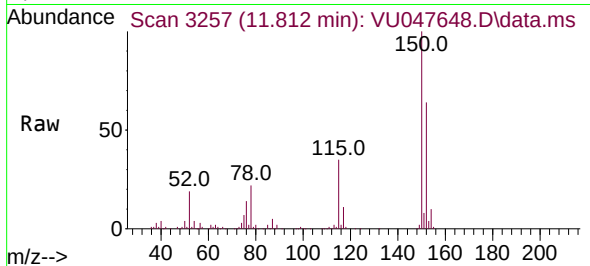




#60
1,2,3-Trichloropropane
Concen: 5.598 ug/L
RT: 11.812 min Scan# 311
Delta R.T. 0.990 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

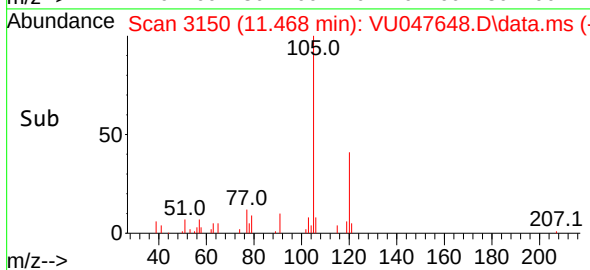
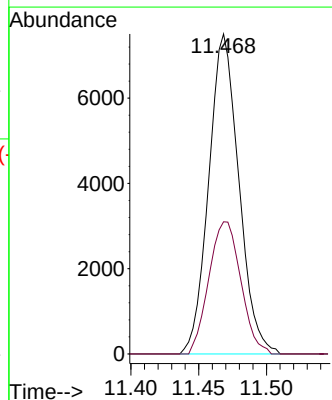
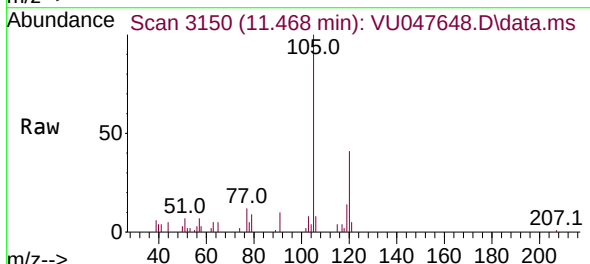
Instrument :
MSVOA_U
ClientSampleId :
EW5X6

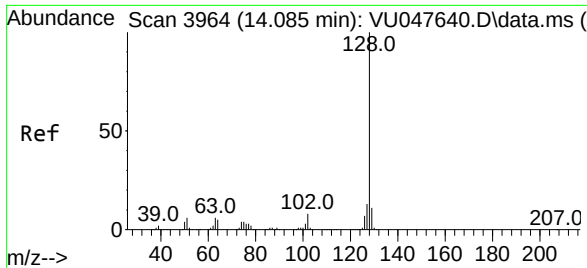
Tgt Ion: 75 Resp: 11544
Ion Ratio Lower Upper
75 100
77 34.7 26.0 39.0
110 2.0 31.4 47.2#



#63
1,2,4-Trimethylbenzene
Concen: 2.377 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

Tgt Ion: 105 Resp: 11583
Ion Ratio Lower Upper
105 100
120 43.8 37.6 56.4





#71
Naphthalene
Concen: 1.629 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU047648.D
Acq: 24 Mar 2022 21:31

Instrument :
MSVOA_U
ClientSampleId :
EW5X6

Tgt Ion:	128	Resp:	11355
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.2	8.8	13.2

