

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047982.D
 Acq On : 13 Apr 2022 01:33
 Operator : SY/MD
 Sample : N2345-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 04:52:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 04:40:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	395951	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.459	117	352255	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.838	152	299426	50.000	ug/L	# 0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	128466	44.741	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.480%
7) Chloroethane-d5	1.912	69	106516	47.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.100%
11) 1,1-Dichloroethene-d2	2.568	63	158173	30.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.220%
21) 2-Butanone-d5	4.623	46	206254	83.690	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.690%
24) Chloroform-d	5.067	84	225973	43.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
26) 1,2-Dichloroethane-d4	5.713	65	95598	29.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.340%#
32) Benzene-d6	5.771	84	494243	55.760	ug/L	0.04
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.520%
36) 1,2-Dichloropropane-d6	6.693	67	161364	59.279	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.560%
41) Toluene-d8	7.902	98	465166	53.864	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.720%
43) trans-1,3-Dichloroprop...	8.182	79	66388	48.139	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.280%
47) 2-Hexanone-d5	8.642	63	171366	107.538	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.540%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	275190	58.906	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.820%
66) 1,2-Dichlorobenzene-d4	12.214	152	254893	47.849	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.700%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1545	0.529	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1607	0.592	ug/L #	1
14) Carbon disulfide	2.797	76	7239	0.843	ug/L	96
16) Methylene chloride	3.047	84	11078	3.554	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	18342	5.711	ug/L	95
25) Chloroform	5.089	83	68718	12.633	ug/L	98
27) 1,2-Dichloroethane	5.851	62	3950468	940.016	ug/L #	75
29) Cyclohexane	5.394	56	35379	9.898	ug/L	95
33) Benzene	5.928	78	2840627	278.599	ug/L	100
34) Trichloroethene	6.549	95	11356	4.248	ug/L	97
35) Methylcyclohexane	6.767	83	6480	1.593	ug/L #	72
42) Toluene	7.973	91	79139	7.074	ug/L	98
44) trans-1,3-Dichloropropene	8.185	75	2985	0.743	ug/L #	74
46) Tetrachloroethene	8.558	164	11480	4.779	ug/L	95
64) 1,3-Dichlorobenzene	11.758	146	6785914	754.447	ug/L	99
65) 1,4-Dichlorobenzene	11.758	146	6785914	728.374	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.970	75	14092	7.794	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.844	180	5731187	784.566	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	5731187	895.725	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Apr 13 04:40:51 2022
Response via : Initial Calibration

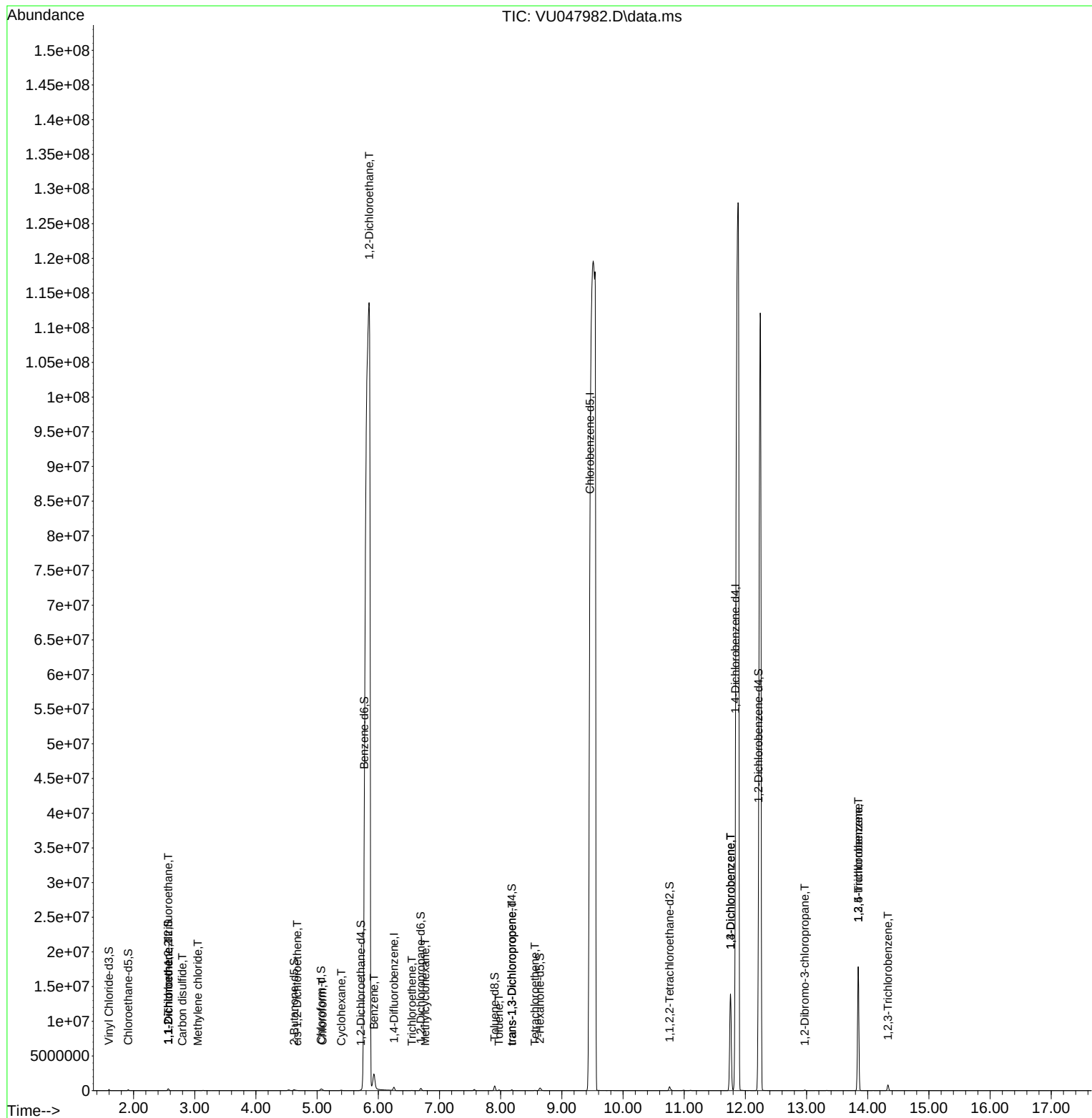
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.330	180	276236	43.066	ug/L	99

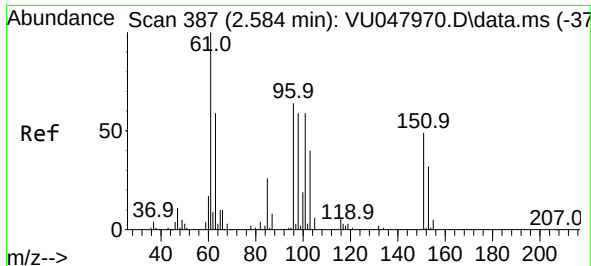
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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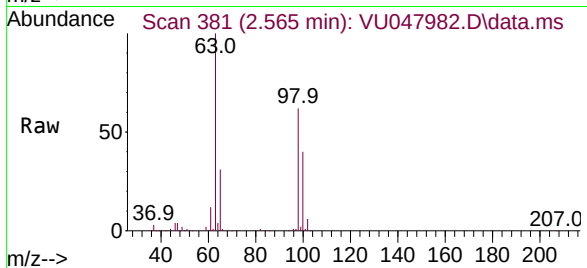
Quant Time: Apr 13 04:52:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 13 04:40:51 2022
Response via : Initial Calibration



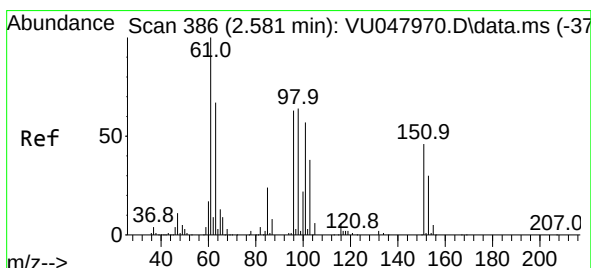
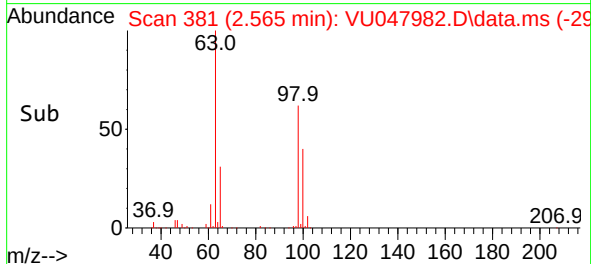
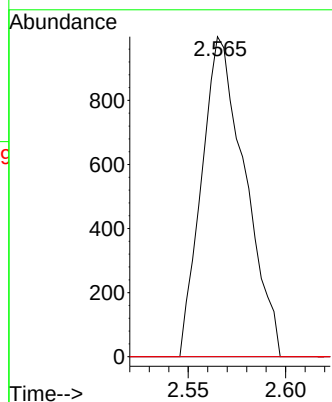


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.529 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.019 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

Instrument :
 MSVOA_U
 ClientSampleId :

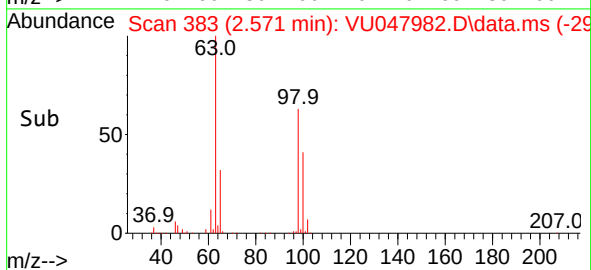
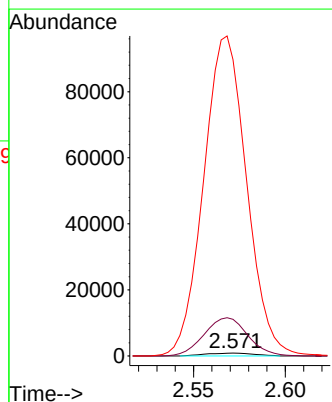
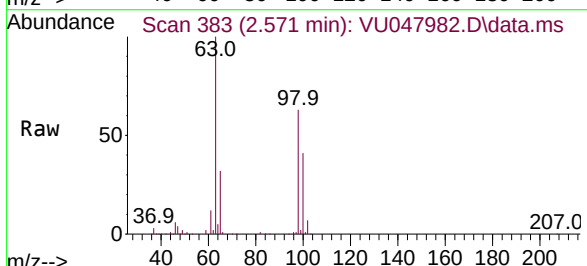


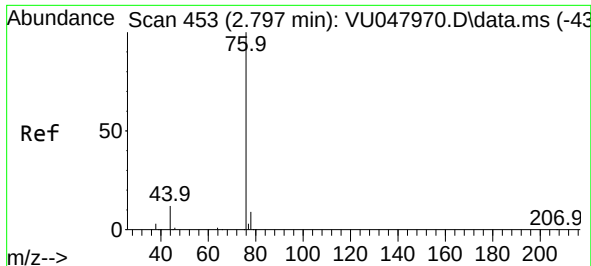
Tgt Ion:101 Resp: 1545
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.592 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.010 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

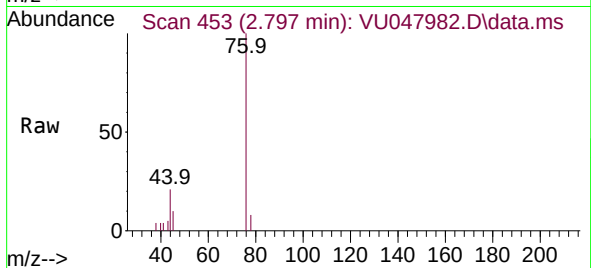
Tgt Ion: 96 Resp: 1607
 Ion Ratio Lower Upper
 96 100
 61 1254.6 113.1 210.1#
 63 10162.6 94.8 176.0#



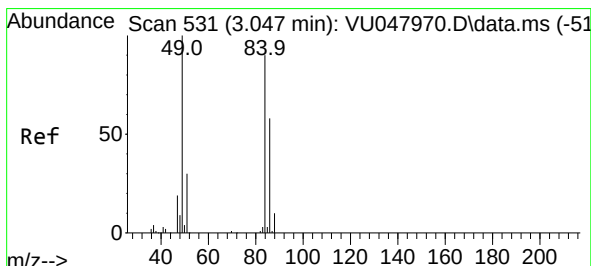
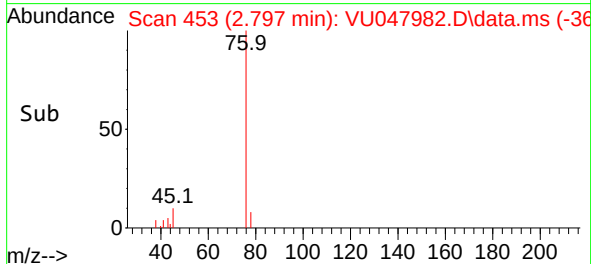
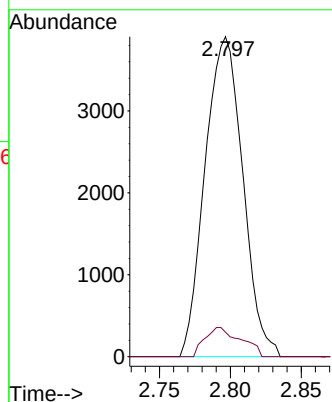


#14
Carbon disulfide
Concen: 0.843 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Instrument :
MSVOA_U
ClientSampleId :

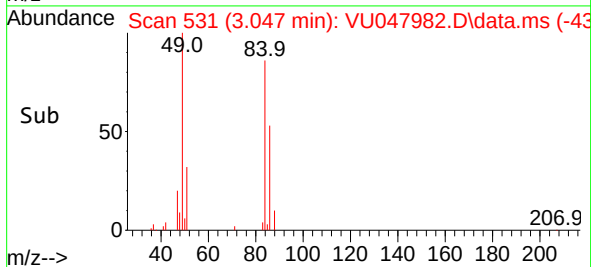
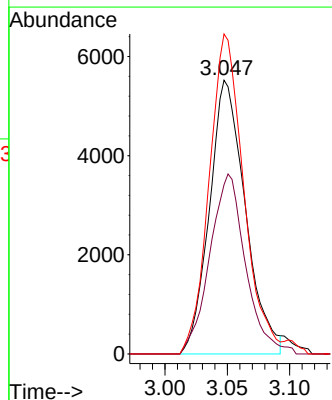
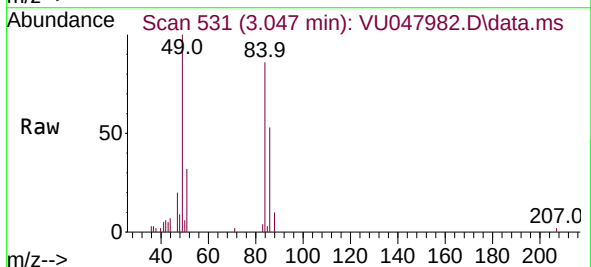


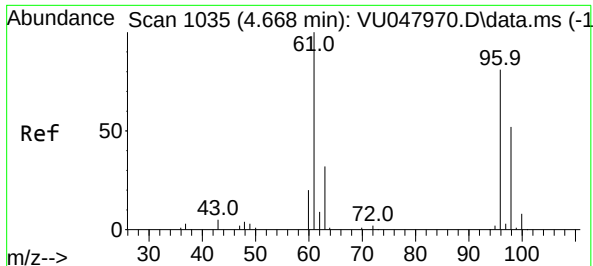
Tgt Ion: 76 Resp: 7239
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0



#16
Methylene chloride
Concen: 3.554 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Tgt Ion: 84 Resp: 11078
Ion Ratio Lower Upper
84 100
86 61.8 46.0 85.4
49 116.9 75.3 139.8

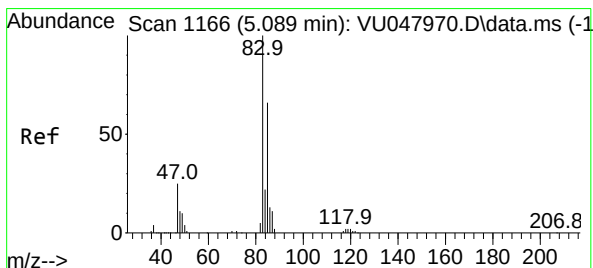
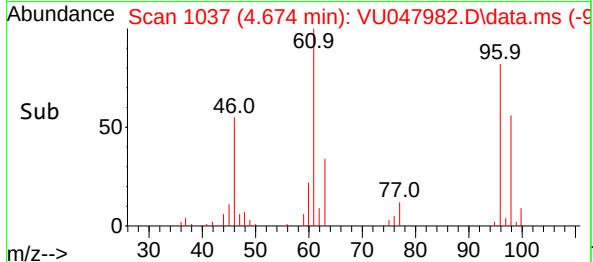
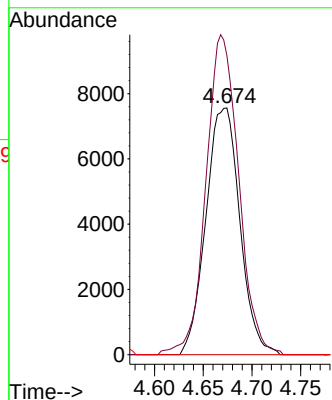
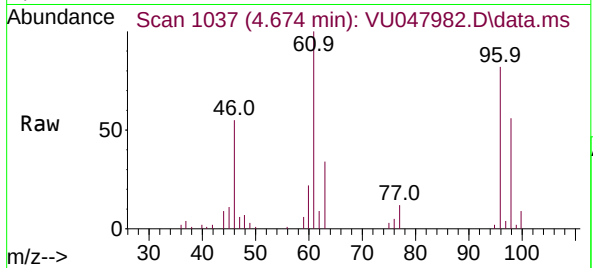




#20
 cis-1,2-Dichloroethene
 Concen: 5.711 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

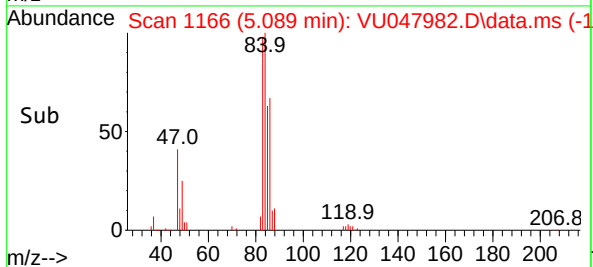
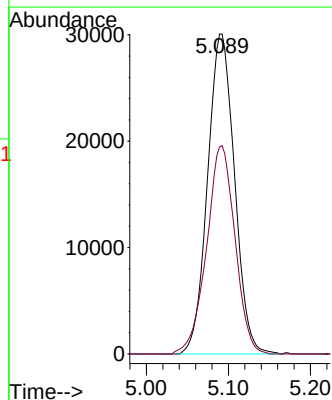
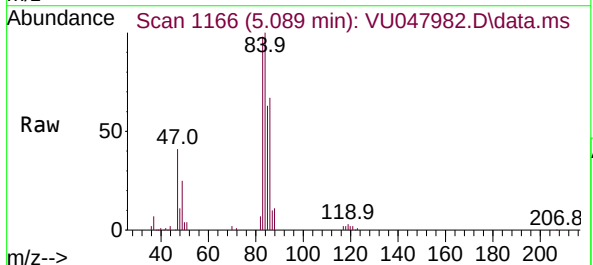
Instrument :
 MSVOA_U
 ClientSampleId :

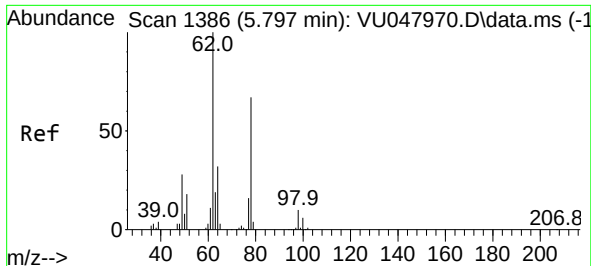
Tgt Ion: 96 Resp: 18342
 Ion Ratio Lower Upper
 96 100
 61 121.2 80.7 149.9
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 12.633 ug/L
 RT: 5.089 min Scan# 1166
 Delta R.T. -0.000 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

Tgt Ion: 83 Resp: 68718
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.2 85.8





#27

1,2-Dichloroethane

Concen: 940.016 ug/L

RT: 5.851 min Scan# 1403

Delta R.T. 0.055 min

Lab File: VU047982.D

Acq: 13 Apr 2022 01:33

Instrument :

MSVOA_U

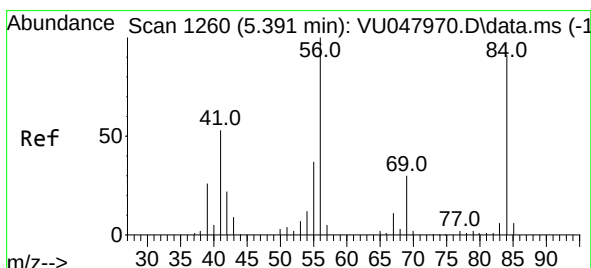
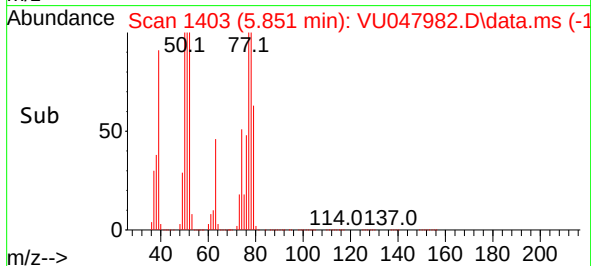
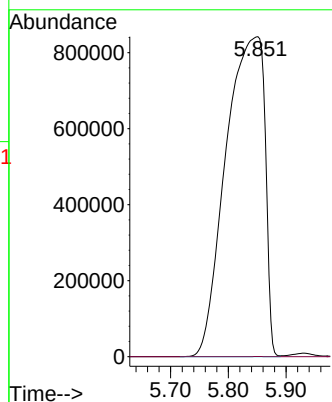
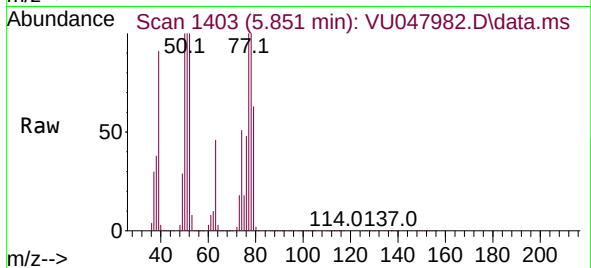
ClientSampleId :

Tgt Ion: 62 Resp: 3950468

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#29

Cyclohexane

Concen: 9.898 ug/L

RT: 5.394 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VU047982.D

Acq: 13 Apr 2022 01:33

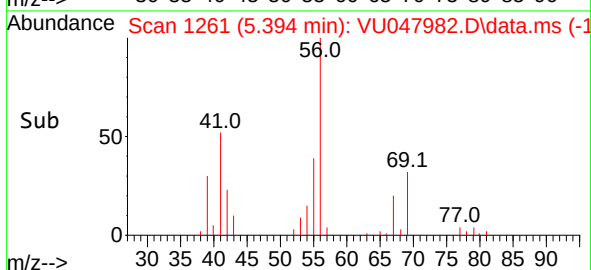
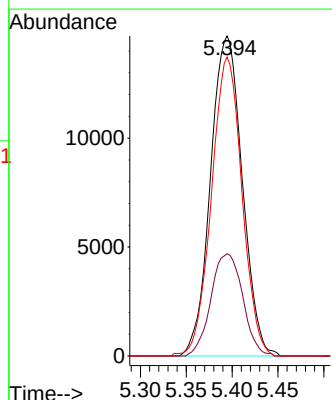
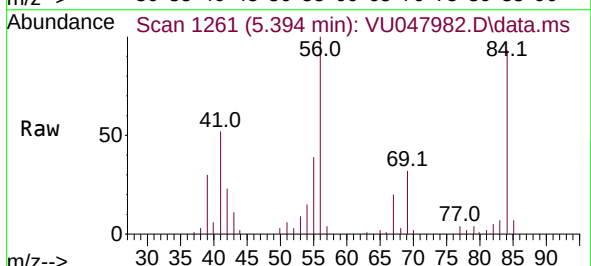
Tgt Ion: 56 Resp: 35379

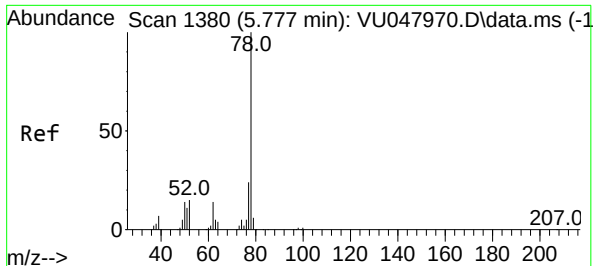
Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

84 89.4 77.0 115.6

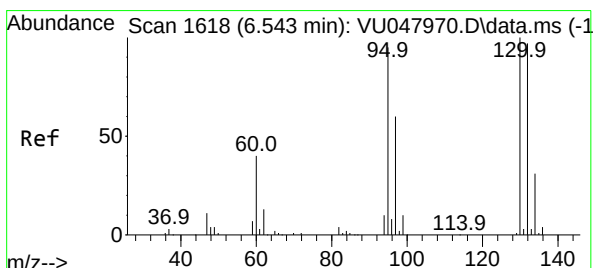
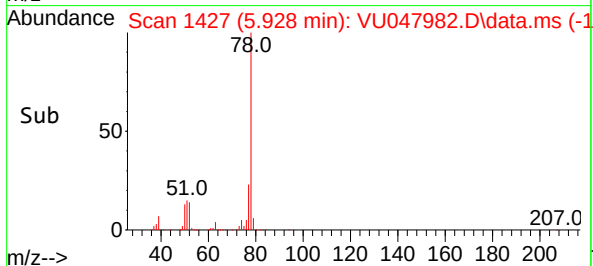
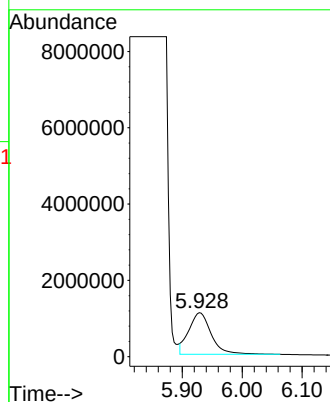
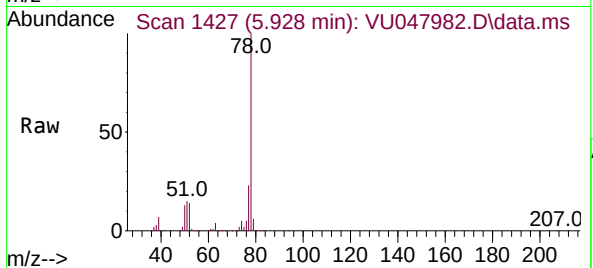




#33
Benzene
Concen: 278.599 ug/L
RT: 5.928 min Scan# 14
Delta R.T. 0.151 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Instrument :
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ClientSampleId :

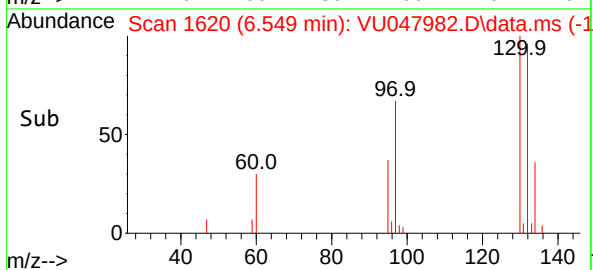
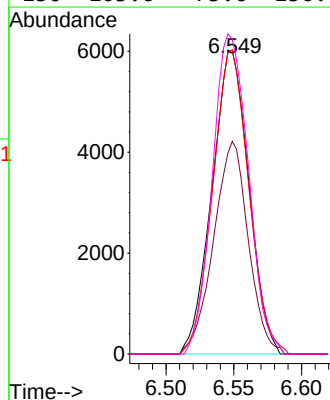
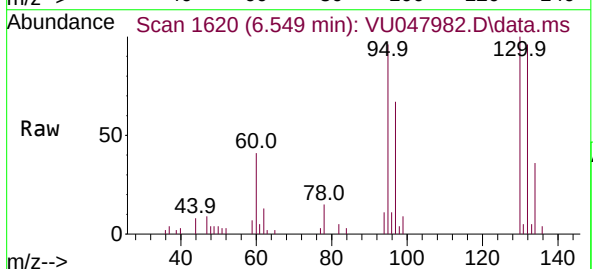
Tgt Ion: 78 Resp: 2840627

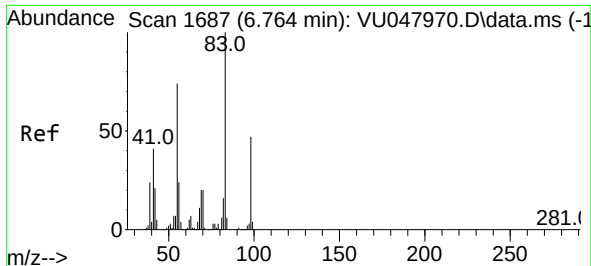


#34
Trichloroethene
Concen: 4.248 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Tgt Ion: 95 Resp: 11356

Ion	Ratio	Lower	Upper
95	100		
97	69.9	44.7	82.9
132	100.0	70.4	130.8
130	103.6	73.6	136.8





#35

Methylcyclohexane

Concen: 1.593 ug/L

RT: 6.767 min Scan# 1

Delta R.T. 0.003 min

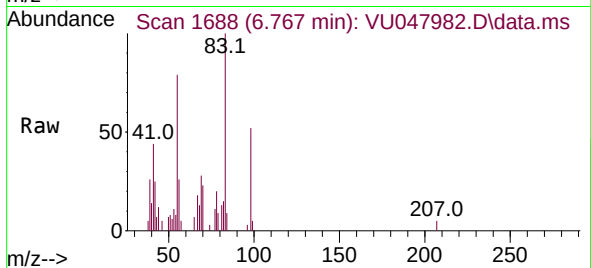
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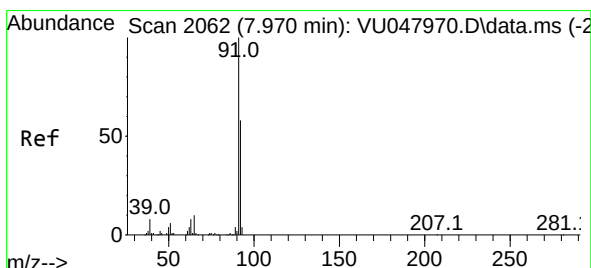
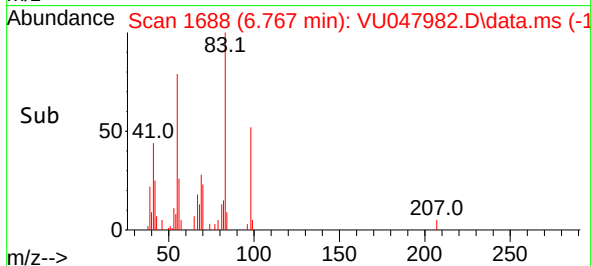
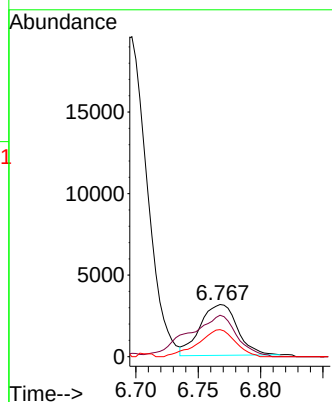
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 83	Resp: 6480
Ion Ratio	Lower Upper
83	100
55	105.3 56.8 85.2#
98	52.6 38.1 57.1



#42

Toluene

Concen: 7.074 ug/L

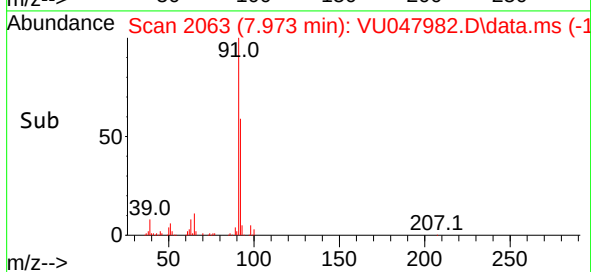
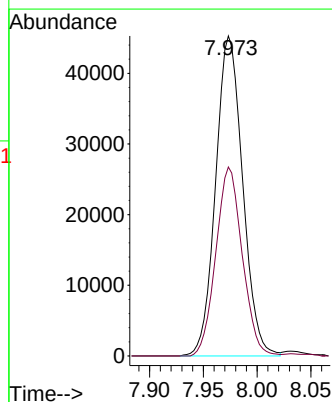
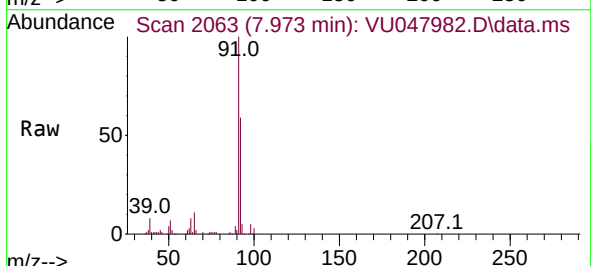
RT: 7.973 min Scan# 2063

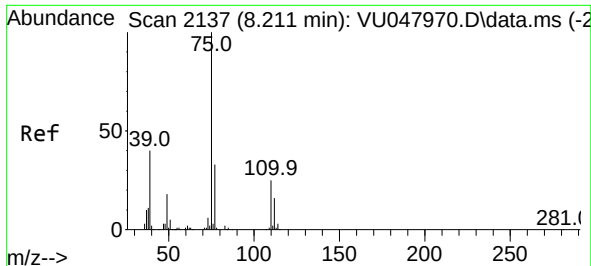
Delta R.T. 0.003 min

Lab File: VU047982.D

Acq: 13 Apr 2022 01:33

Tgt Ion: 91	Resp: 79139
Ion Ratio	Lower Upper
91	100
92	59.1 40.4 75.0

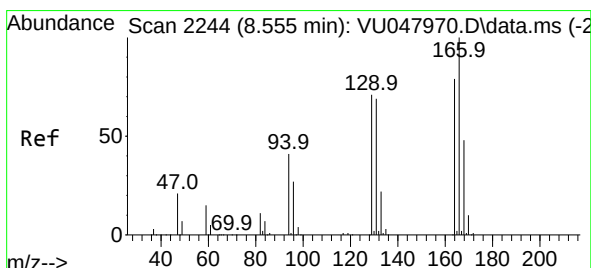
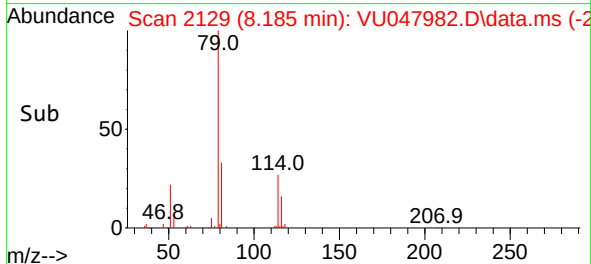
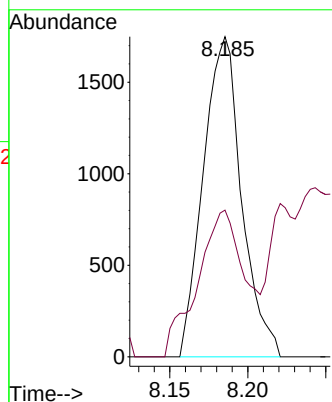
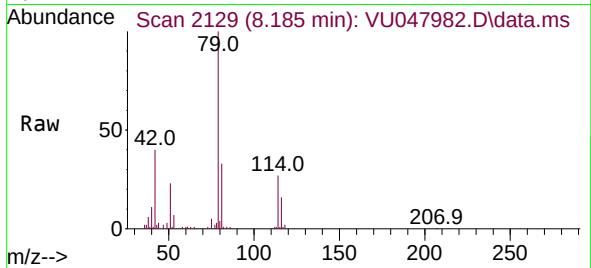




#44
trans-1,3-Dichloropropene
Concen: 0.743 ug/L
RT: 8.185 min Scan# 2137
Delta R.T. -0.026 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

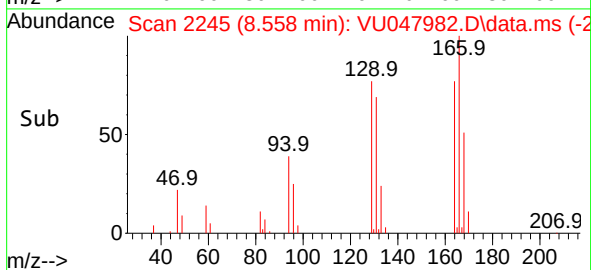
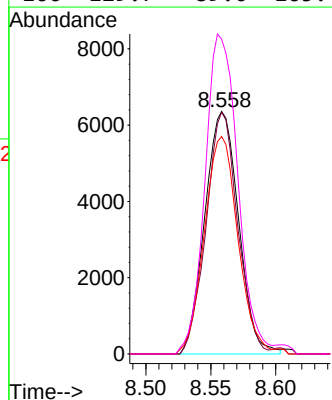
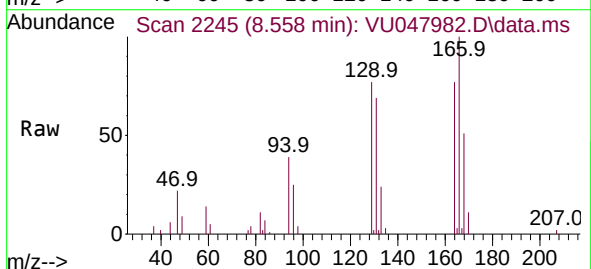
Instrument :
MSVOA_U
ClientSampleId :

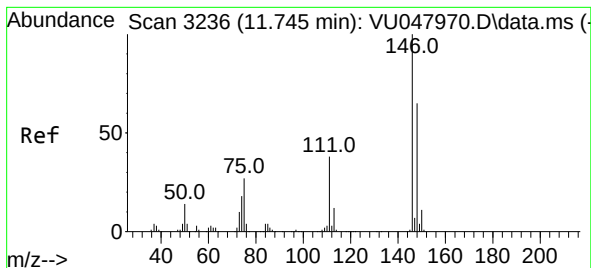
Tgt Ion: 75 Resp: 2985
Ion Ratio Lower Upper
75 100
77 45.8 22.0 40.8#



#46
Tetrachloroethene
Concen: 4.779 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Tgt Ion: 164 Resp: 11480
Ion Ratio Lower Upper
164 100
129 99.7 62.4 116.0
131 89.7 60.7 112.7
166 129.7 89.0 165.4





#64

1,3-Dichlorobenzene

Concen: 754.447 ug/L

RT: 11.758 min Scan# 31

Delta R.T. 0.013 min

Lab File: VU047982.D

Acq: 13 Apr 2022 01:33

Instrument :

MSVOA_U

ClientSampleId :

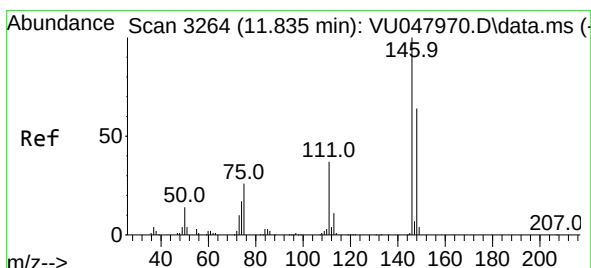
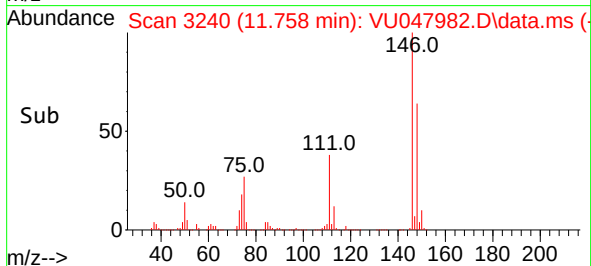
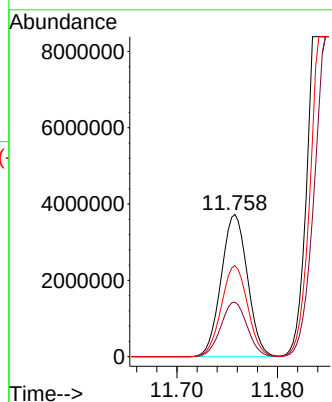
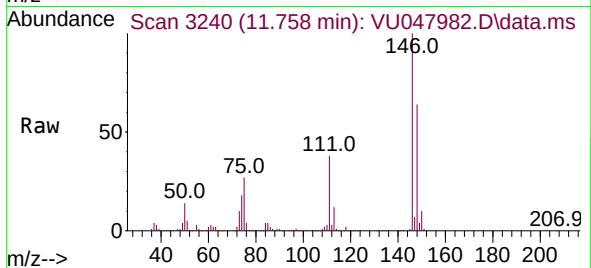
Tgt Ion:146 Resp: 6785914

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

148 64.0 44.4 82.5



#65

1,4-Dichlorobenzene

Concen: 728.374 ug/L

RT: 11.758 min Scan# 3240

Delta R.T. -0.077 min

Lab File: VU047982.D

Acq: 13 Apr 2022 01:33

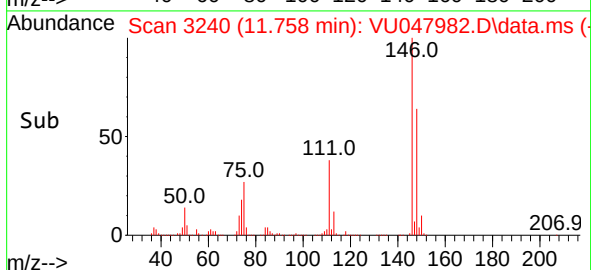
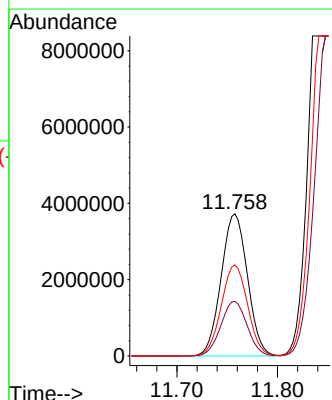
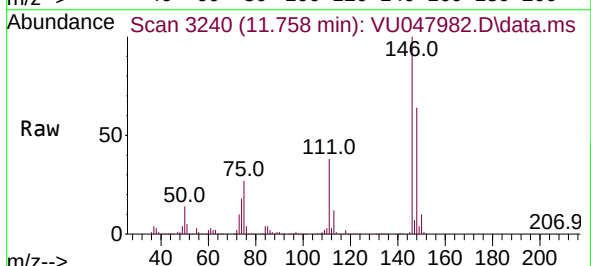
Tgt Ion:146 Resp: 6785914

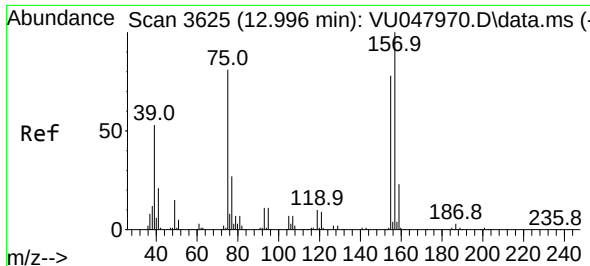
Ion Ratio Lower Upper

146 100

111 38.4 25.3 47.1

148 64.0 44.5 82.7

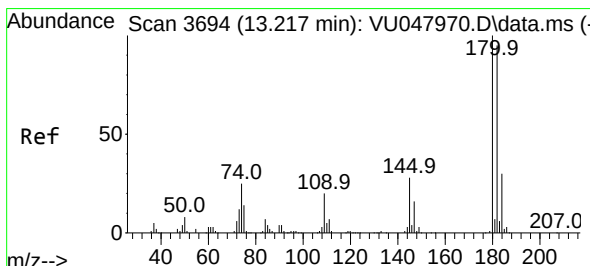
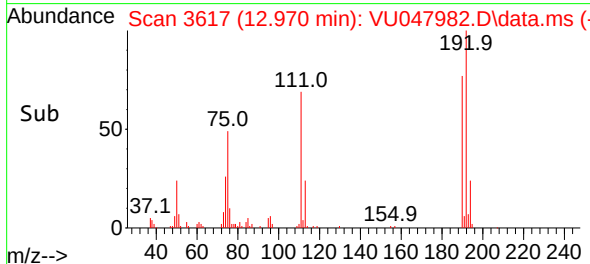
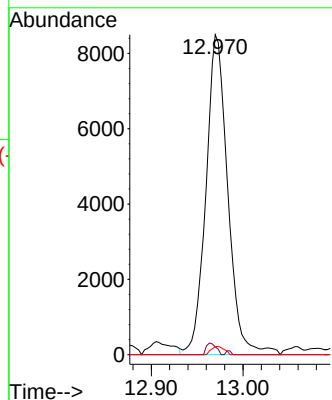
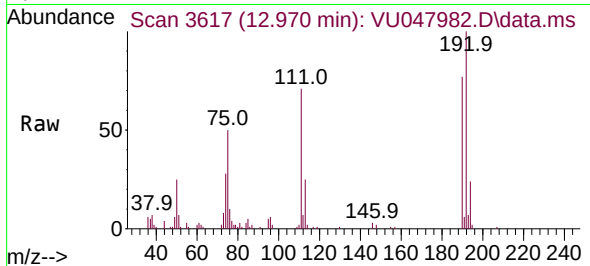




#68
 1,2-Dibromo-3-chloropropane
 Concen: 7.794 ug/L
 RT: 12.970 min Scan# 30
 Delta R.T. -0.026 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

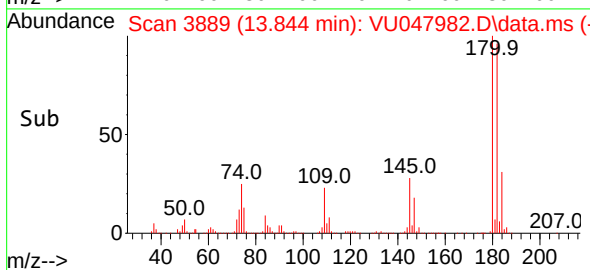
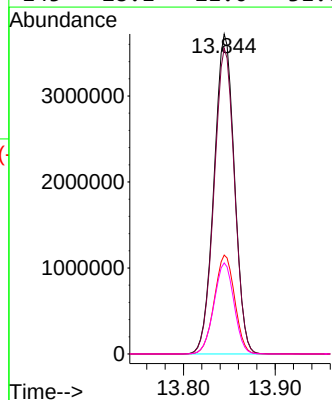
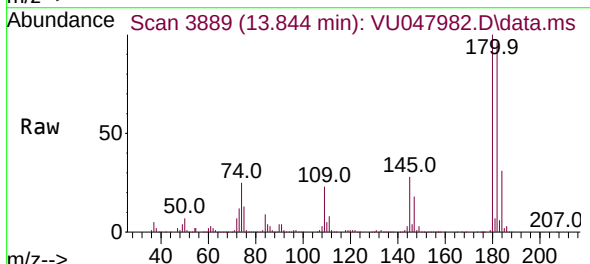
Instrument :
 MSVOA_U
 ClientSampleId :

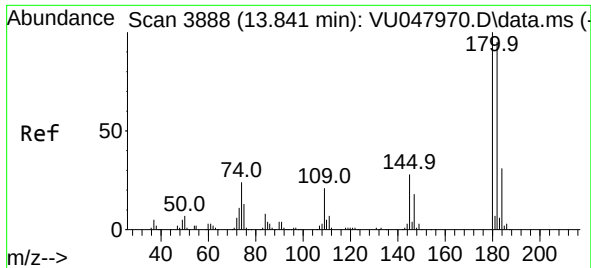
Tgt Ion: 75 Resp: 14092
 Ion Ratio Lower Upper
 75 100
 155 2.5 78.9 118.3#
 157 2.5 97.5 146.3#



#69
 1,3,5-Trichlorobenzene
 Concen: 784.566 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.627 min
 Lab File: VU047982.D
 Acq: 13 Apr 2022 01:33

Tgt Ion:180 Resp: 5731187
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.0 115.6
 184 30.9 24.5 36.7
 145 28.1 21.0 31.6

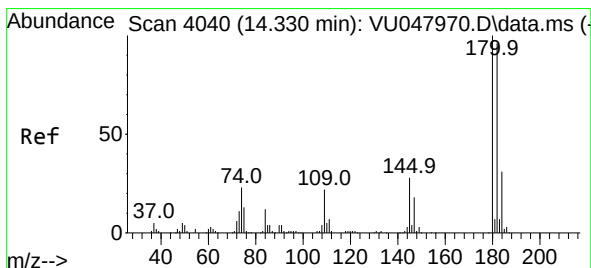
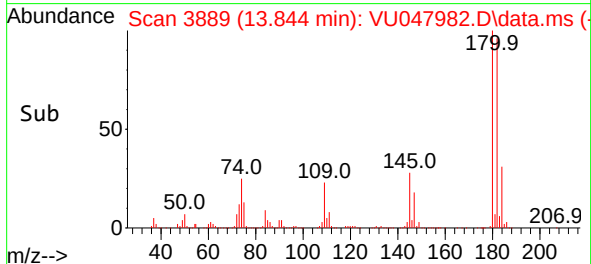
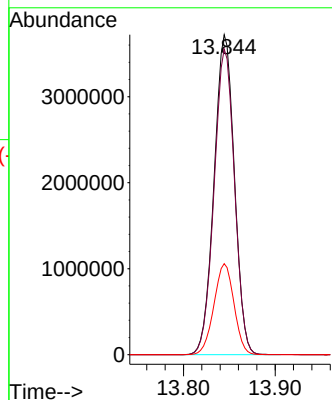
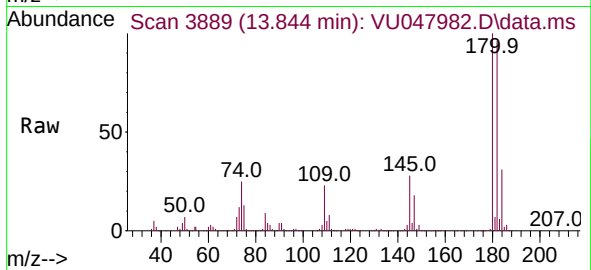




#70
1,2,4-trichlorobenzene
Concen: 895.725 ug/L
RT: 13.844 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:180 Resp: 5731187
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.2
145 28.1 21.8 32.8



#72
1,2,3-Trichlorobenzene
Concen: 43.066 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU047982.D
Acq: 13 Apr 2022 01:33

Tgt Ion:180 Resp: 276236
Ion Ratio Lower Upper
180 100
182 95.6 77.4 116.0
145 29.3 22.8 34.2

