

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042822\
 Data File : VU048337.D
 Acq On : 28 Apr 2022 13:40
 Operator : SY/MD
 Sample : N2587-09DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 04:29:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 29 04:27:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	348776	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	341850	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	197037	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	143470	44.733	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.460%		
7) Chloroethane-d5	1.903	69	118790	52.765	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.540%		
11) 1,1-Dichloroethene-d2	2.565	63	192537	37.466	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.940%		
21) 2-Butanone-d5	4.623	46	267420	97.760	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.760%		
24) Chloroform-d	5.064	84	284205	48.854	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.700%		
26) 1,2-Dichloroethane-d4	5.700	65	180363	52.254	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.500%		
32) Benzene-d6	5.729	84	597299	55.400	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.800%		
36) 1,2-Dichloropropane-d6	6.691	67	193248	54.216	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.440%		
41) Toluene-d8	7.900	98	555434	56.835	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.660%		
43) trans-1,3-Dichloroprop...	8.179	79	87512	55.641	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	111.280%		
47) 2-Hexanone-d5	8.633	63	230224	119.717	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	119.720%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	320722	51.305	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.600%		
66) 1,2-Dichlorobenzene-d4	12.192	152	239735	54.087	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.180%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	2863	0.942	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	2111	0.803	ug/L #	18
12) 1,1-Dichloroethene	2.565	96	1617	0.705	ug/L #	1
13) Acetone	2.630	43	35010	19.936	ug/L	100
16) Methylene chloride	3.048	84	11877	4.017	ug/L	94
19) 1,1-Dichloroethane	3.871	63	10380	2.083	ug/L	95
22) 2-Butanone	4.716	43	6362	2.450	ug/L	90
27) 1,2-Dichloroethane	5.774	62	23107	6.227	ug/L #	72
33) Benzene	5.774	78	2199773	217.342	ug/L	100
35) Methylcyclohexane	6.771	83	2788	0.800	ug/L #	1
42) Toluene	7.970	91	111501	10.493	ug/L	98
44) trans-1,3-Dichloropropene	8.183	75	3543	0.896	ug/L #	82
45) 1,1,2-Trichloroethane	8.356	97	8072	2.672	ug/L #	1
51) Chlorobenzene	9.446	112	443702	57.928	ug/L	100
60) 1,2,3-Trichloropropane	10.781	75	14368	3.126	ug/L #	1
67) 1,2-Dichlorobenzene	12.211	146	7584	1.166	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.967	75	71380	58.171	ug/L #	1

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Quant Title : VOC Analysis
QLast Update : Fri Apr 29 04:27:14 2022
Response via : Initial Calibration

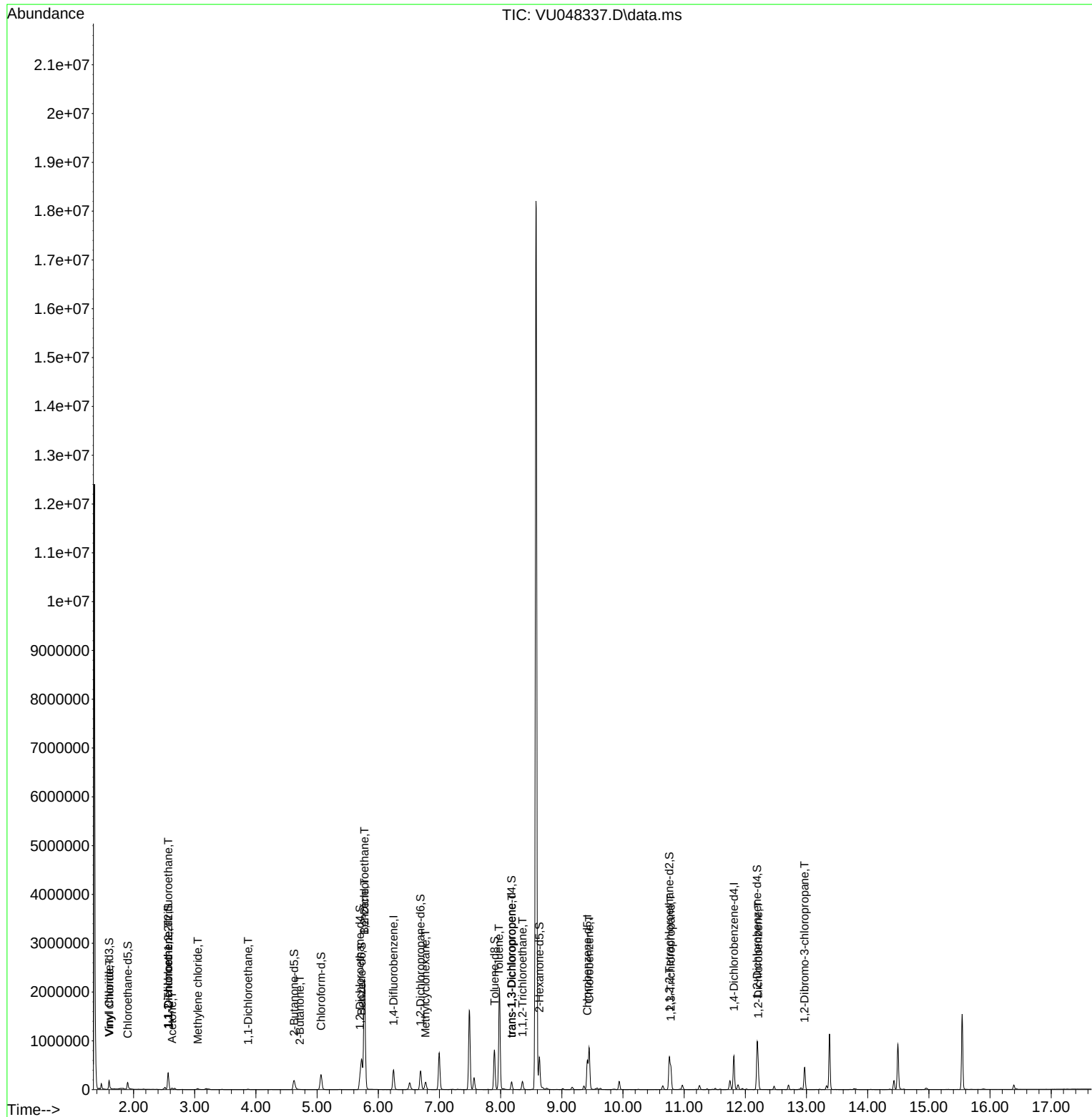
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

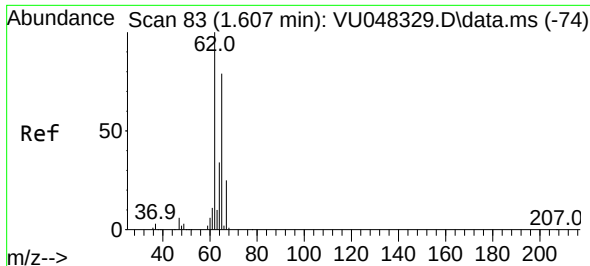
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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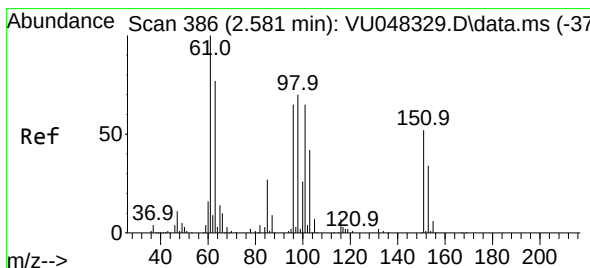
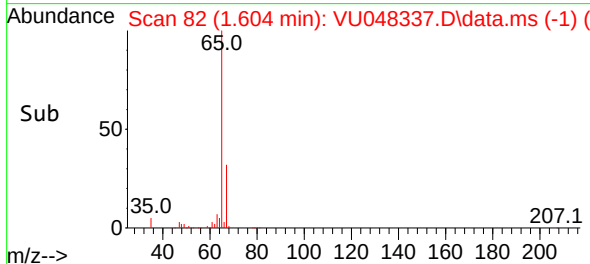
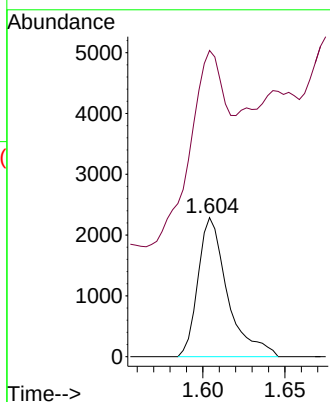
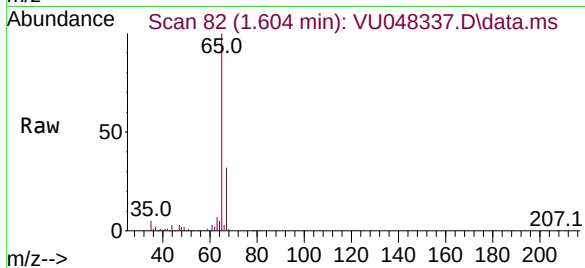




#5
 Vinyl chloride
 Concen: 0.942 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048337.D
 Acq: 28 Apr 2022 13:40

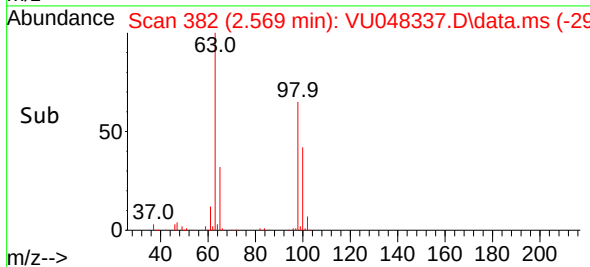
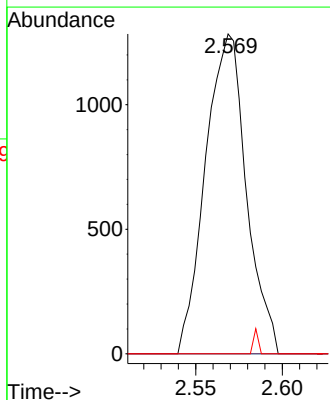
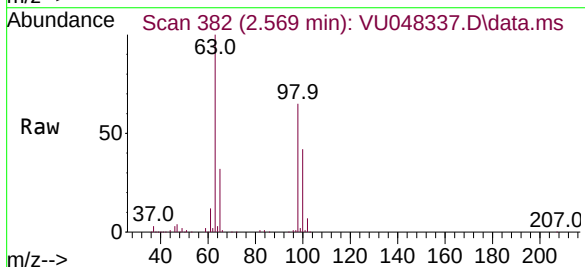
Instrument :
 MSVOA_U
 ClientSampleId :

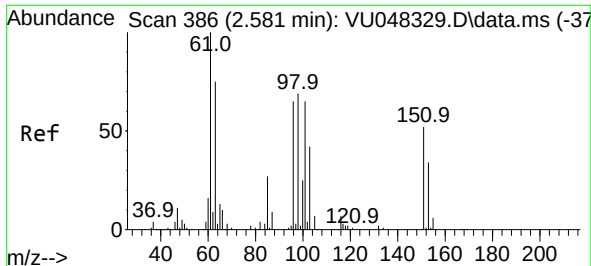
Tgt Ion: 62 Resp: 2863
 Ion Ratio Lower Upper
 62 100
 64 220.2 22.5 41.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.803 ug/L
 RT: 2.569 min Scan# 382
 Delta R.T. -0.013 min
 Lab File: VU048337.D
 Acq: 28 Apr 2022 13:40

Tgt Ion: 101 Resp: 2111
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 0.0 64.1 96.1#





#12

1,1-Dichloroethene

Concen: 0.705 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.016 min

Lab File: VU048337.D

Acq: 28 Apr 2022 13:40

Instrument :

MSVOA_U

ClientSampleId :

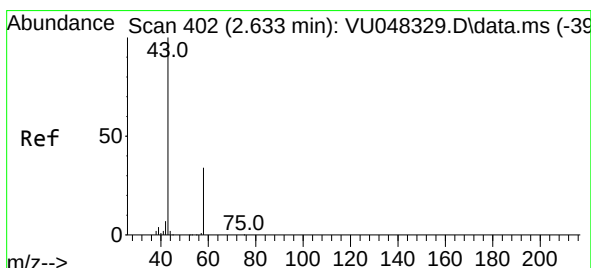
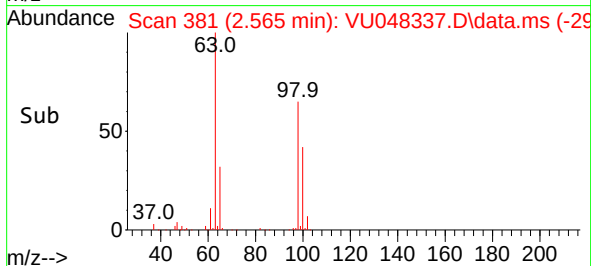
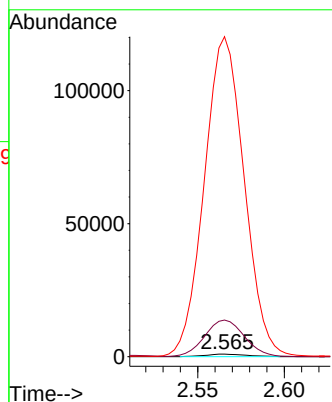
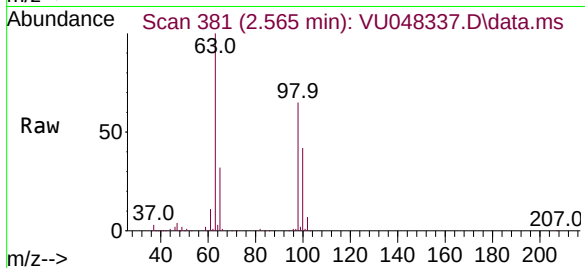
Tgt Ion: 96 Resp: 1617

Ion Ratio Lower Upper

96 100

61 1411.6 107.9 200.3#

63 12337.2 80.3 149.1#



#13

Acetone

Concen: 19.936 ug/L

RT: 2.630 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU048337.D

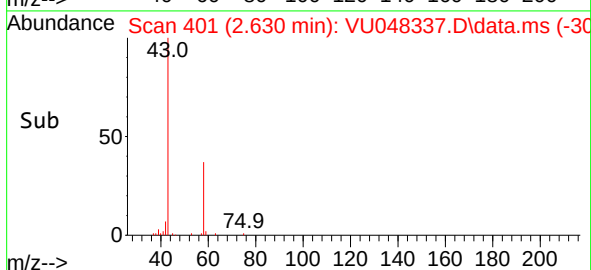
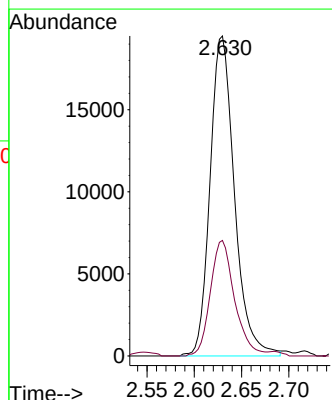
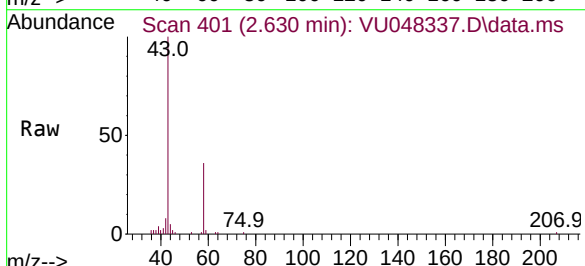
Acq: 28 Apr 2022 13:40

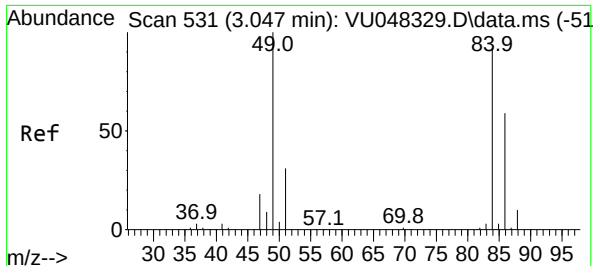
Tgt Ion: 43 Resp: 35010

Ion Ratio Lower Upper

43 100

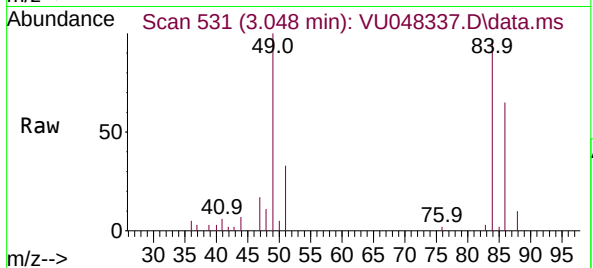
58 35.9 0.0 71.2





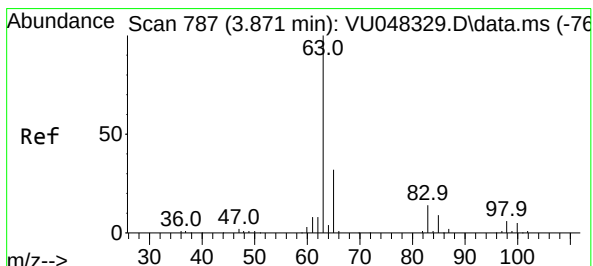
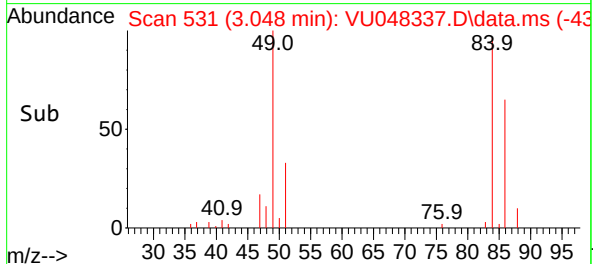
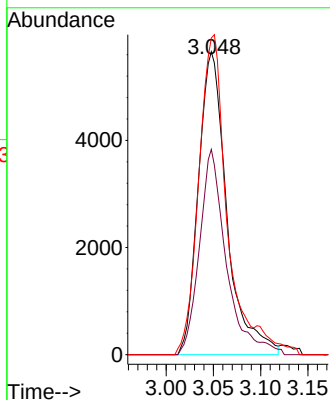
#16
Methylene chloride
Concen: 4.017 ug/L
RT: 3.048 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 11877

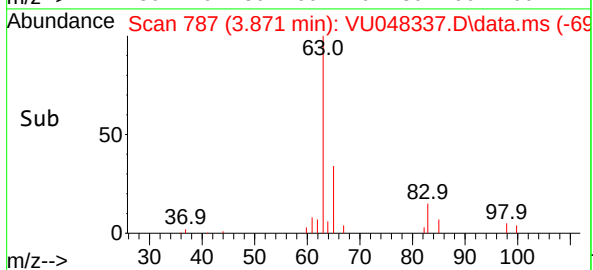
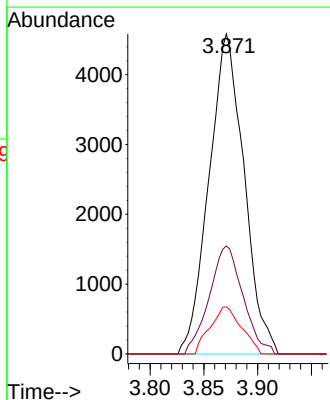
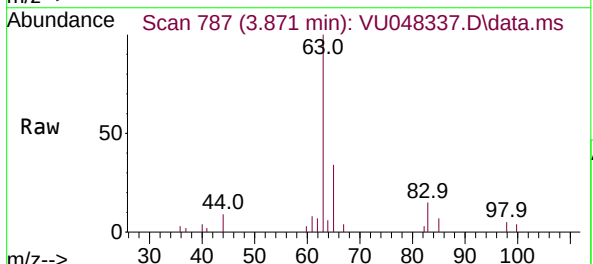
Ion	Ratio	Lower	Upper
84	100		
86	67.8	45.4	84.2
49	104.6	79.2	147.0

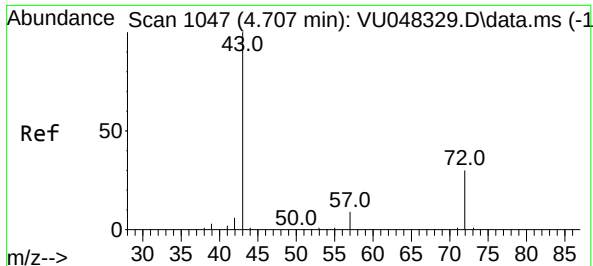


#19
1,1-Dichloroethane
Concen: 2.083 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.000 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

Tgt Ion: 63 Resp: 10380

Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.0	40.8
83	14.7	8.8	16.4





#22

2-Butanone

Concen: 2.450 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU048337.D

Acq: 28 Apr 2022 13:40

Instrument :

MSVOA_U

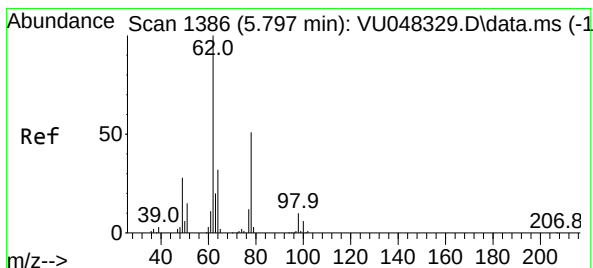
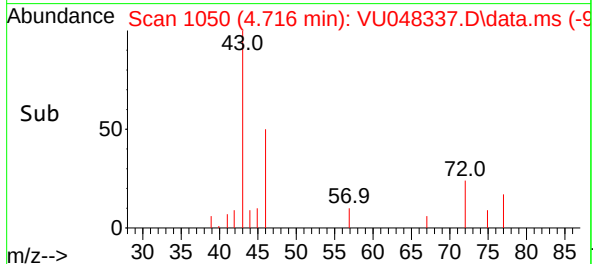
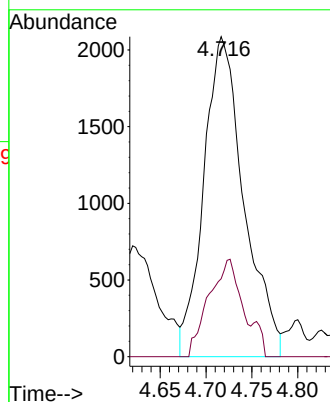
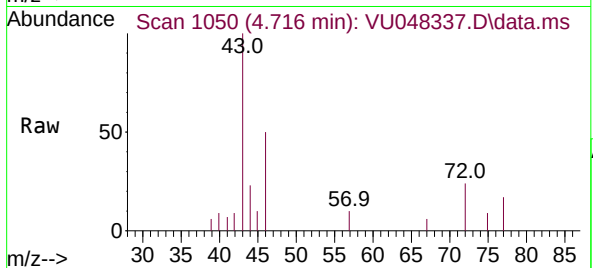
ClientSampleId :

Tgt Ion: 43 Resp: 6362

Ion Ratio Lower Upper

43 100

72 24.0 14.6 43.8



#27

1,2-Dichloroethane

Concen: 6.227 ug/L

RT: 5.774 min Scan# 1379

Delta R.T. -0.022 min

Lab File: VU048337.D

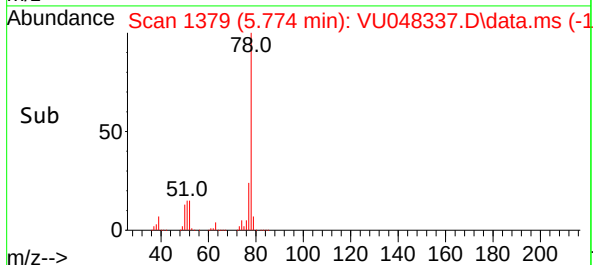
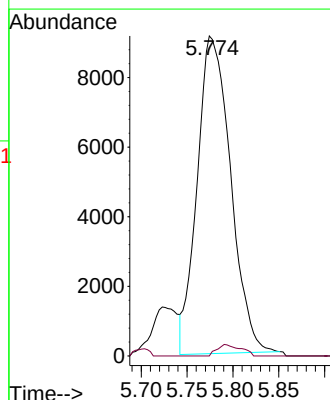
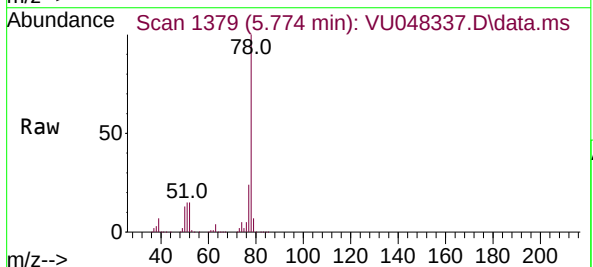
Acq: 28 Apr 2022 13:40

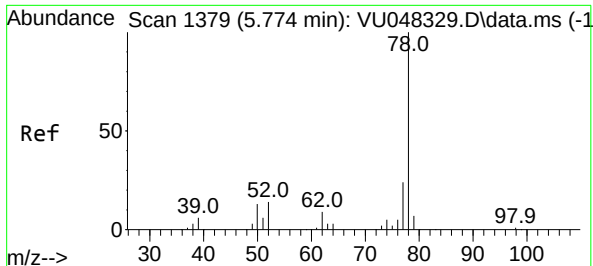
Tgt Ion: 62 Resp: 23107

Ion Ratio Lower Upper

62 100

98 0.0 8.5 12.7#

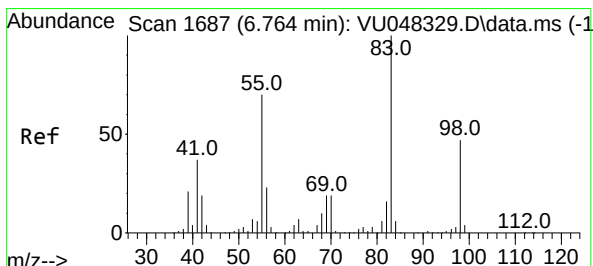
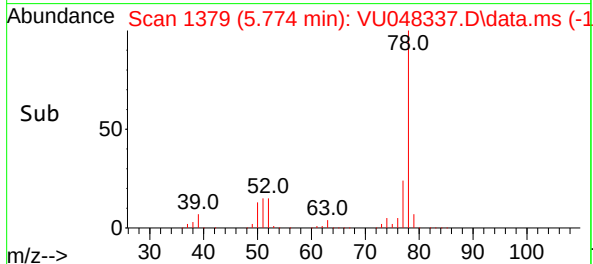
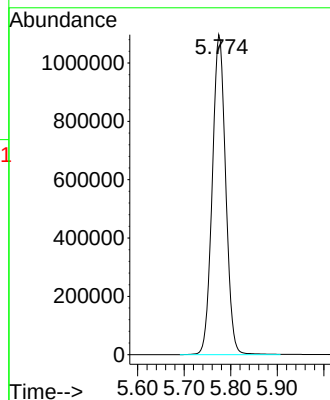
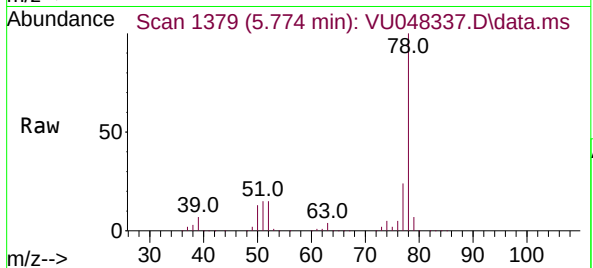




#33
Benzene
Concen: 217.342 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

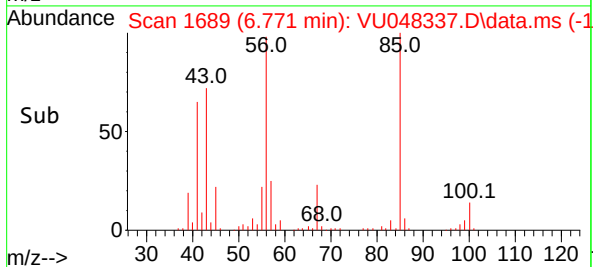
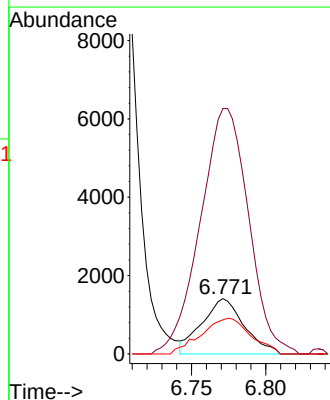
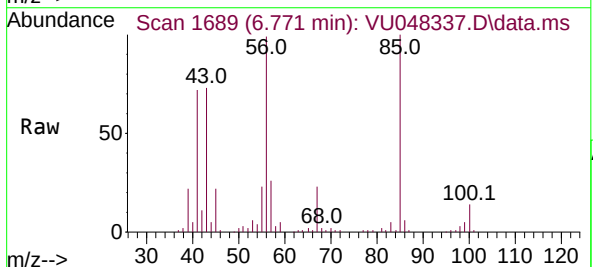
Instrument :
MSVOA_U
ClientSampleId :

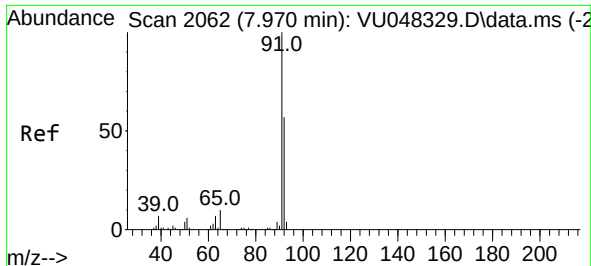
Tgt Ion: 78 Resp: 2199773



#35
Methylcyclohexane
Concen: 0.800 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.007 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

Tgt Ion: 83 Resp: 2788
Ion Ratio Lower Upper
83 100
55 507.5 59.4 89.2#
98 75.3 37.3 55.9#





#42

Toluene

Concen: 10.493 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048337.D

Acq: 28 Apr 2022 13:40

Instrument :

MSVOA_U

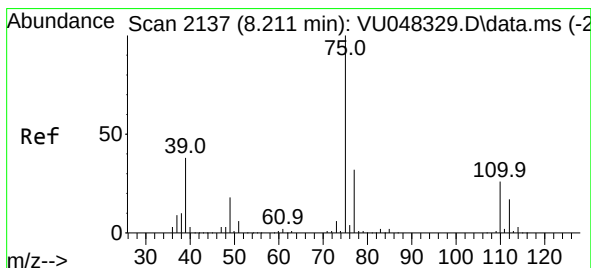
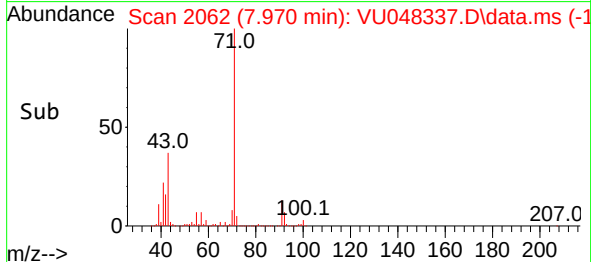
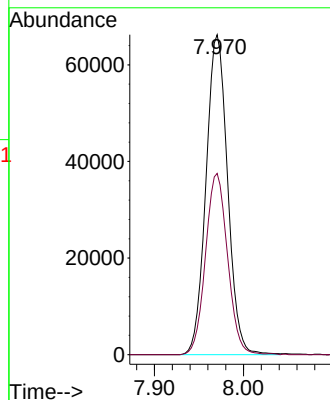
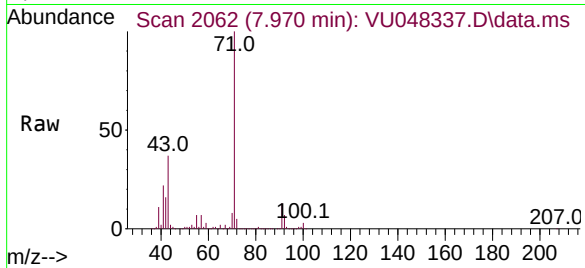
ClientSampleId :

Tgt Ion: 91 Resp: 111501

Ion Ratio Lower Upper

91 100

92 56.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 0.896 ug/L

RT: 8.183 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU048337.D

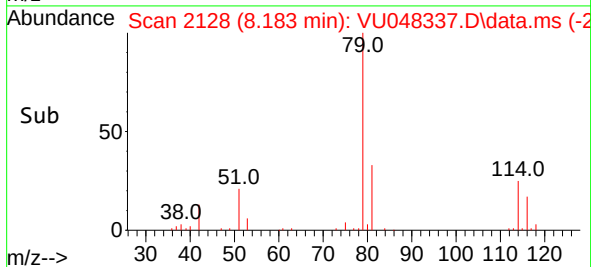
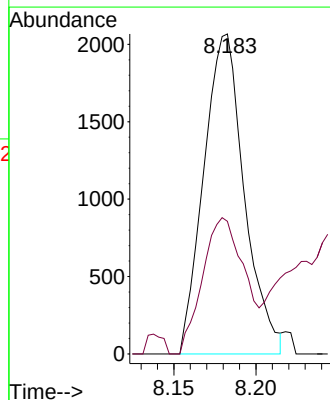
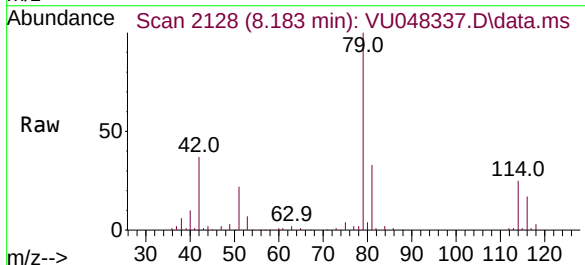
Acq: 28 Apr 2022 13:40

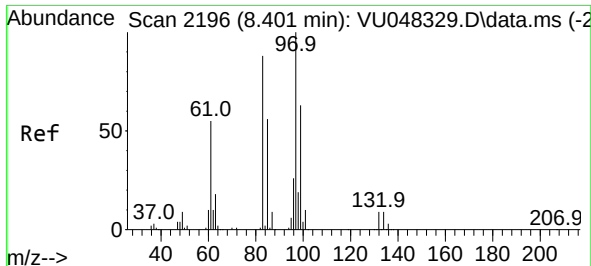
Tgt Ion: 75 Resp: 3543

Ion Ratio Lower Upper

75 100

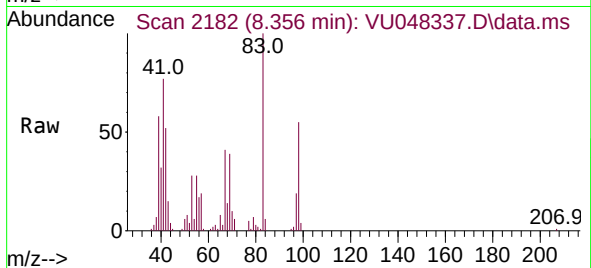
77 41.5 22.1 41.1#



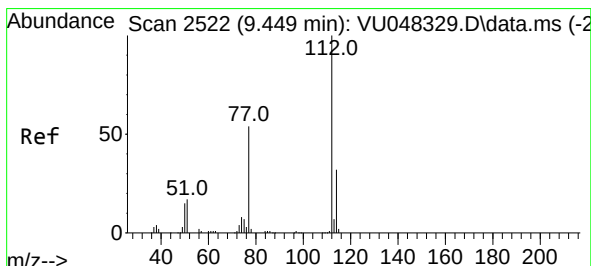
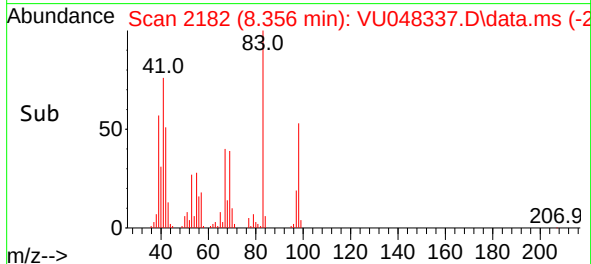
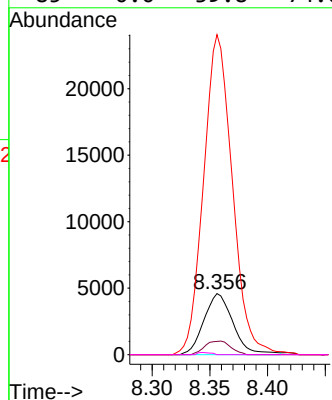


#45
1,1,2-Trichloroethane
Concen: 2.672 ug/L
RT: 8.356 min Scan# 2196
Delta R.T. -0.045 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

Instrument :
MSVOA_U
ClientSampleId :

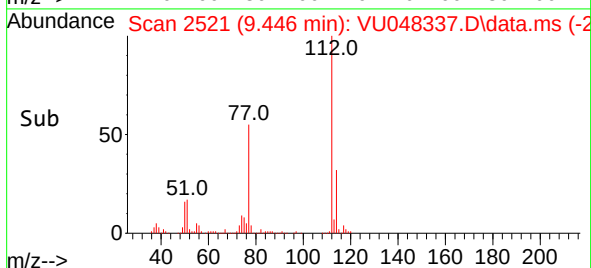
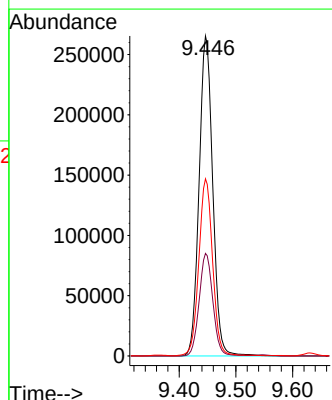
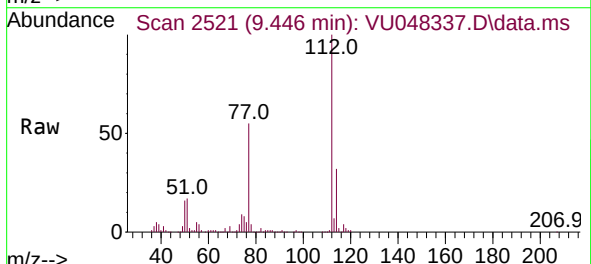


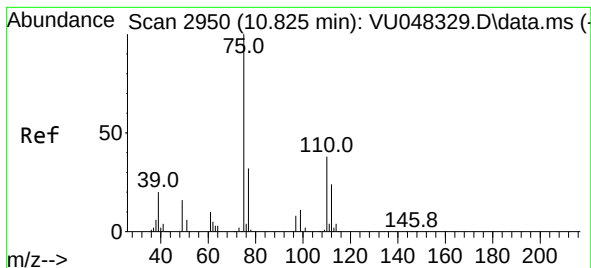
Tgt Ion:	97	Resp:	8072
Ion	Ratio	Lower	Upper
97	100		
99	21.7	43.7	81.1#
83	523.1	62.6	116.2#
85	0.0	39.8	74.0#



#51
Chlorobenzene
Concen: 57.928 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VU048337.D
Acq: 28 Apr 2022 13:40

Tgt Ion:	112	Resp:	443702
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	55.3	44.3	66.5





#60

1,2,3-Trichloropropane

Concen: 3.126 ug/L

RT: 10.781 min Scan# 2950

Delta R.T. -0.045 min

Lab File: VU048337.D

Acq: 28 Apr 2022 13:40

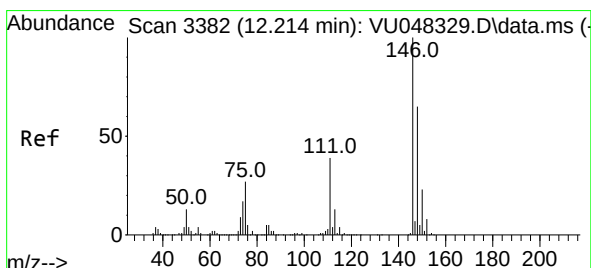
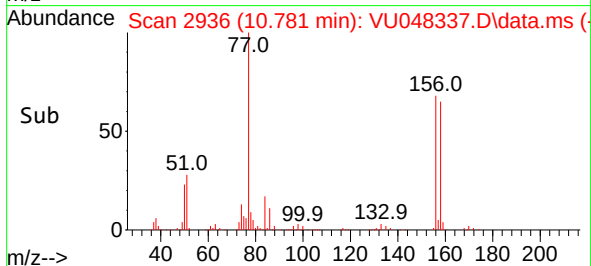
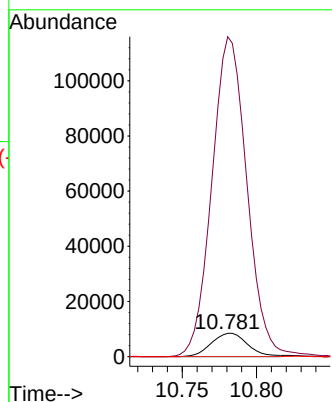
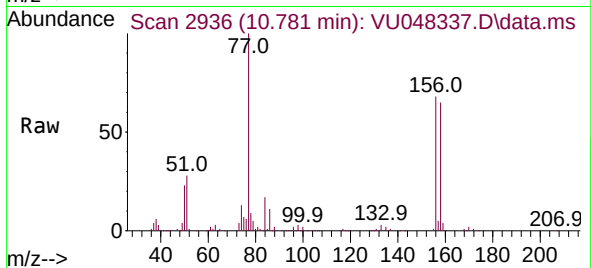
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75 Resp: 14368

Ion	Ratio	Lower	Upper
75	100		
77	1327.9	25.8	38.8#
110	0.0	29.9	44.9#



#67

1,2-Dichlorobenzene

Concen: 1.166 ug/L

RT: 12.211 min Scan# 3381

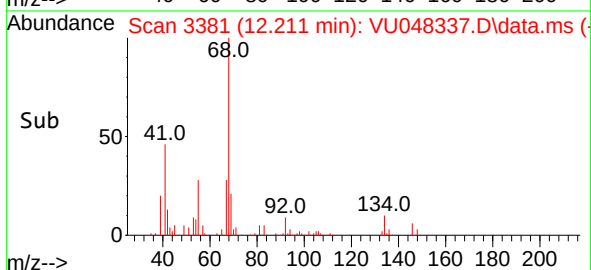
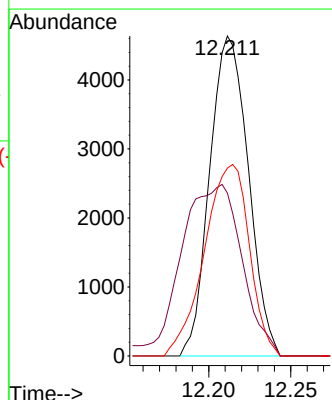
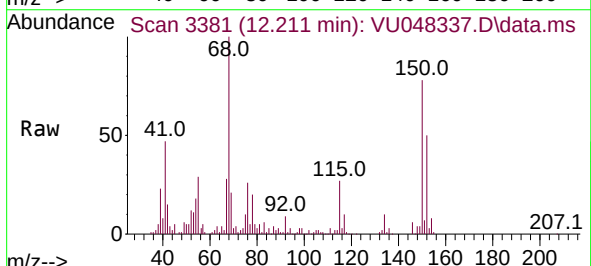
Delta R.T. -0.003 min

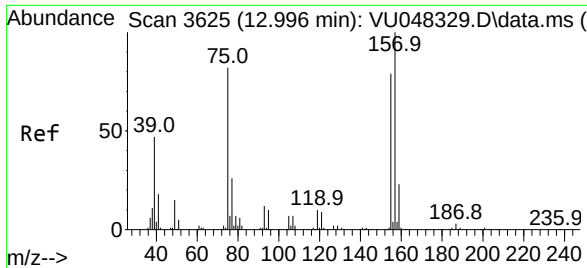
Lab File: VU048337.D

Acq: 28 Apr 2022 13:40

Tgt Ion:146 Resp: 7584

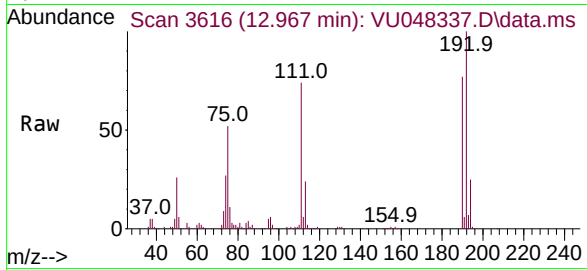
Ion	Ratio	Lower	Upper
146	100		
111	50.9	31.7	47.5#
148	58.7	50.9	76.3





#68
 1,2-Dibromo-3-chloropropane
 Concen: 58.171 ug/L
 RT: 12.967 min Scan# 30
 Delta R.T. -0.029 min
 Lab File: VU048337.D
 Acq: 28 Apr 2022 13:40

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 71380
 Ion Ratio Lower Upper
 75 100
 155 2.8 71.8 107.6#
 157 3.1 93.4 140.2#

