

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032522\
 Data File : VU047668.D
 Acq On : 25 Mar 2022 12:34
 Operator : SY/MD
 Sample : N2081-02DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1DL

Quant Time: Mar 26 02:08:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 26 02:04:39 2022
 Response via : Initial Calibration

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

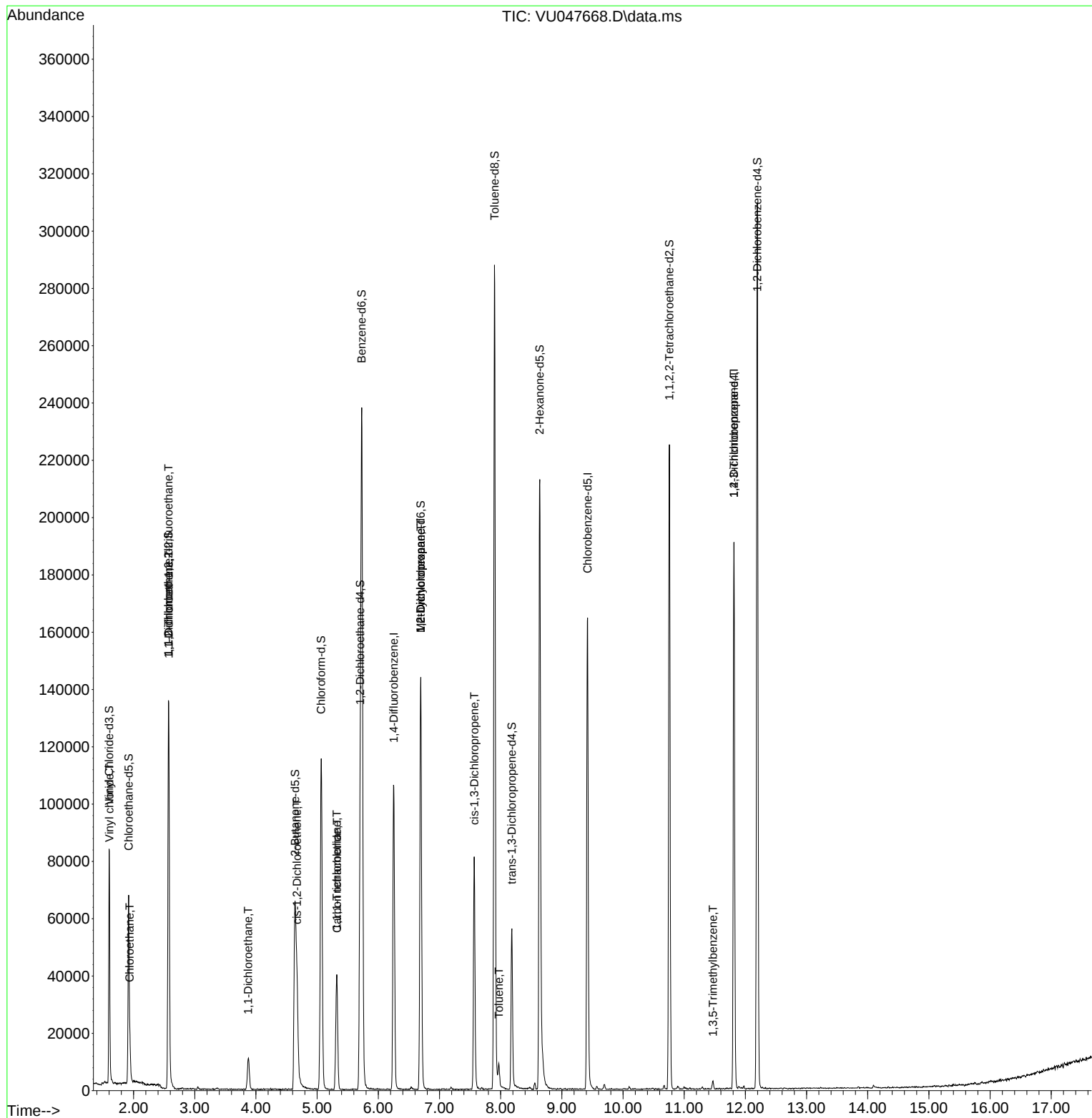
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	92985	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	56117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	60027	89.022	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 178.040%#			
7) Chloroethane-d5	1.919	69	48944	92.055	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 184.120%#			
11) 1,1-Dichloroethene-d2	2.571	63	80482	65.237	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 130.480%#			
21) 2-Butanone-d5	4.639	46	111315	192.333	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 192.330%#			
24) Chloroform-d	5.067	84	108797	88.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 176.360%#			
26) 1,2-Dichloroethane-d4	5.703	65	70753	93.502	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 187.000%#			
32) Benzene-d6	5.729	84	220967	89.154	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 178.300%#			
36) 1,2-Dichloropropane-d6	6.694	67	68008	89.347	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 178.700%#			
41) Toluene-d8	7.899	98	200951	83.217	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 166.440%#			
43) trans-1,3-Dichloroprop...	8.182	79	32734	84.886	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 169.780%#			
47) 2-Hexanone-d5	8.639	63	78843	176.942	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 176.940%#			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	111117	85.063	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 170.120%#			
66) 1,2-Dichlorobenzene-d4	12.195	152	86645	86.786	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 173.580%#			
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	1041	1.238	ug/L #	1
8) Chloroethane	1.938	64	7079	13.412	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	804	1.173	ug/L #	18
12) 1,1-Dichloroethene	2.575	96	693	1.086	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	13271	11.185	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	11995	15.904	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	28918	25.892	ug/L	98
31) Carbon tetrachloride	5.324	117	3683	3.652	ug/L	96
35) Methylcyclohexane	6.694	83	16430	14.449	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7552	10.420	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1966	1.748	ug/L #	64
42) Toluene	7.970	91	5008	1.601	ug/L	91
60) 1,2,3-Trichloropropane	11.812	75	6316	5.970	ug/L #	63
62) 1,3,5-Trimethylbenzene	11.471	105	1889	1.148	ug/L	88

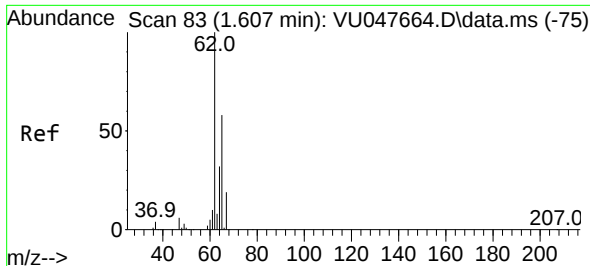
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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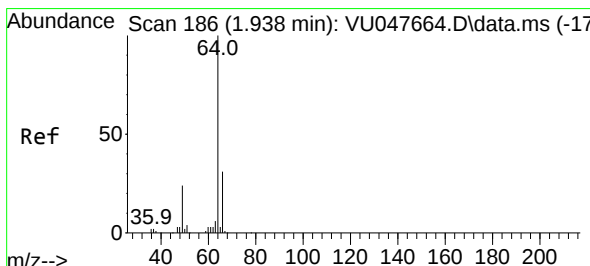
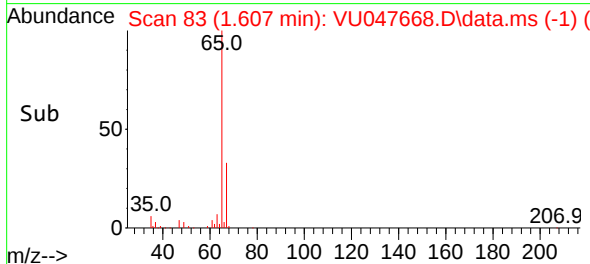
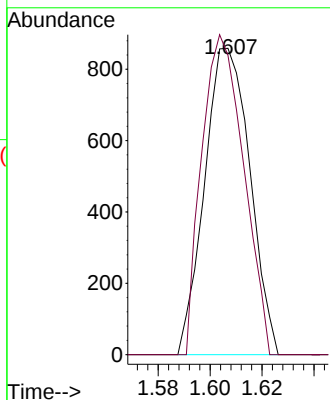
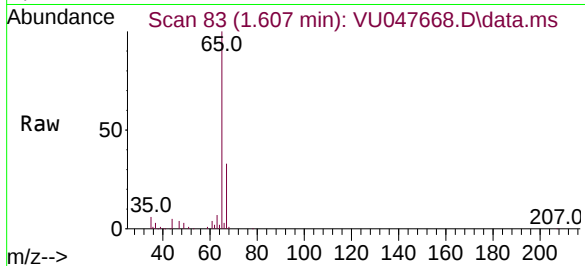




#5
 Vinyl chloride
 Concen: 1.238 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047668.D
 Acq: 25 Mar 2022 12:34

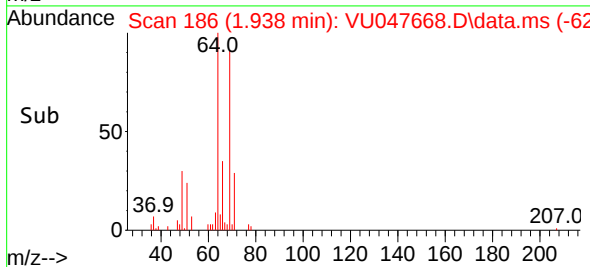
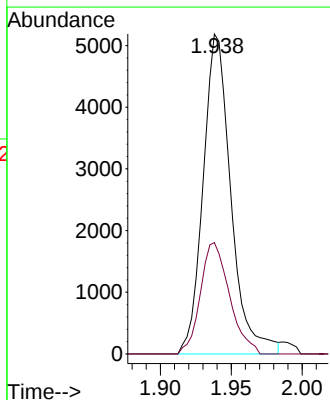
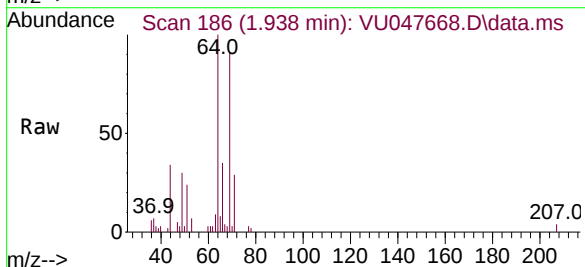
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1DL

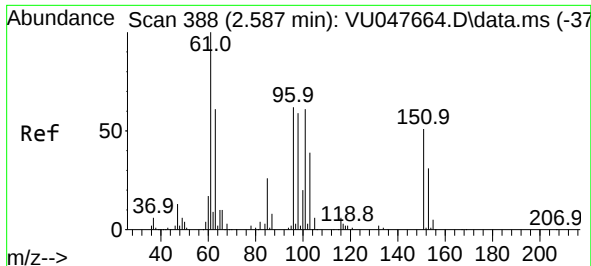
Tgt Ion: 62 Resp: 1041
 Ion Ratio Lower Upper
 62 100
 64 97.7 23.7 43.9#



#8
 Chloroethane
 Concen: 13.412 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047668.D
 Acq: 25 Mar 2022 12:34

Tgt Ion: 64 Resp: 7079
 Ion Ratio Lower Upper
 64 100
 66 34.8 23.3 43.3

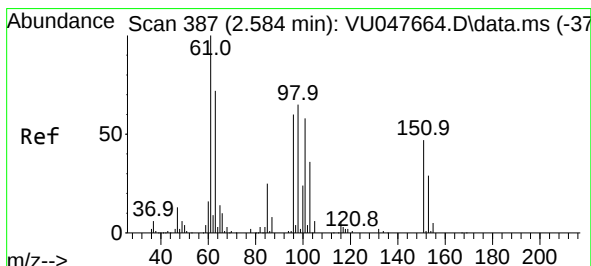
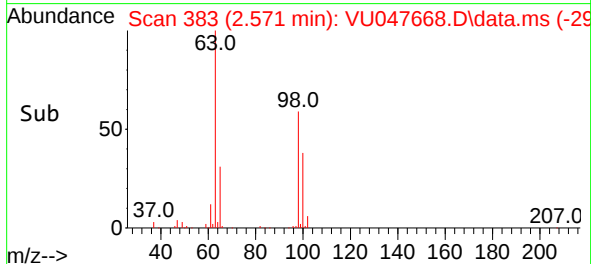
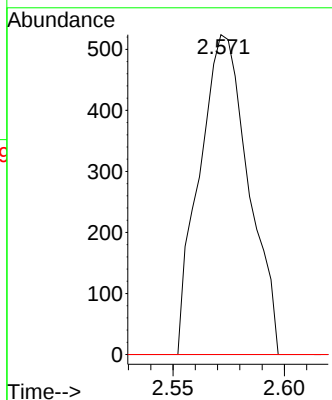
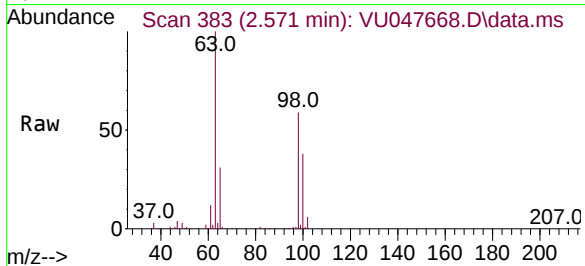




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.173 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU047668.D
Acq: 25 Mar 2022 12:34

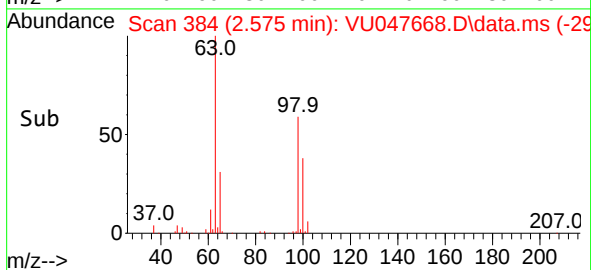
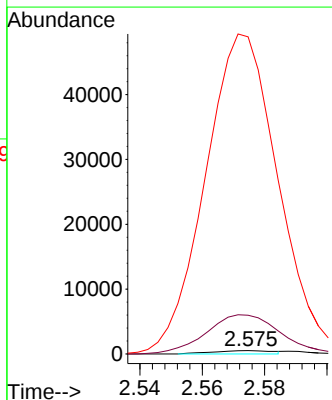
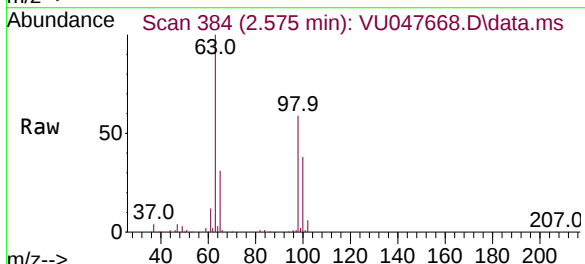
Instrument :
MSVOA_U
ClientSampleId :
EW5X1DL

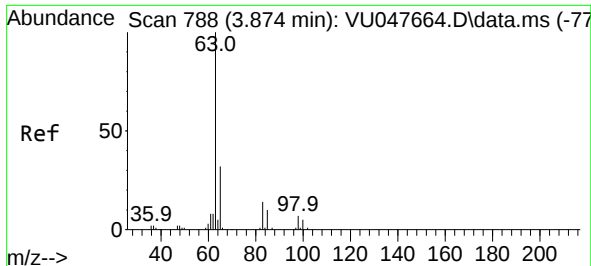
Tgt Ion:101 Resp: 804
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 1.086 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU047668.D
Acq: 25 Mar 2022 12:34

Tgt Ion: 96 Resp: 693
Ion Ratio Lower Upper
96 100
61 1156.9 113.1 210.1#
63 9462.3 94.8 176.0#





#19

1,1-Dichloroethane

Concen: 11.185 ug/L

RT: 3.874 min Scan# 788

Delta R.T. 0.000 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

Instrument :

MSVOA_U

ClientSampleId :

EW5X1DL

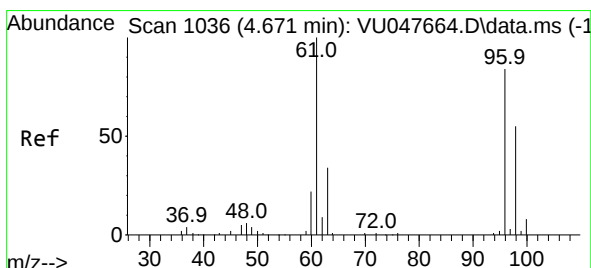
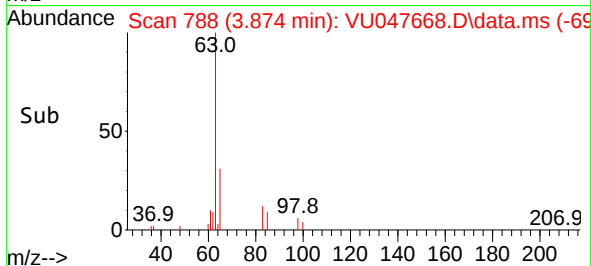
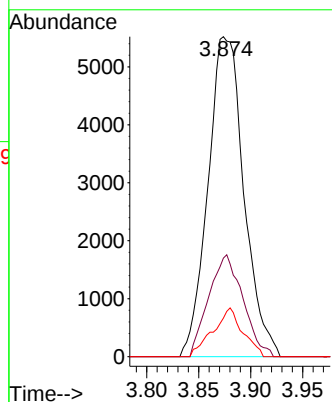
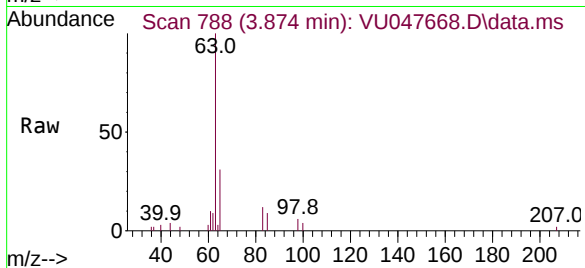
Tgt Ion: 63 Resp: 13271

Ion Ratio Lower Upper

63 100

65 30.8 22.0 41.0

83 12.0 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 15.904 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

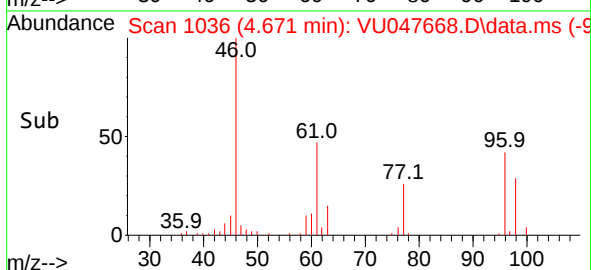
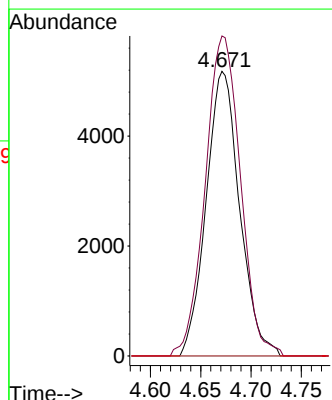
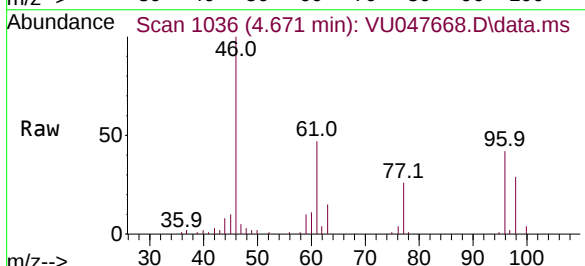
Tgt Ion: 96 Resp: 11995

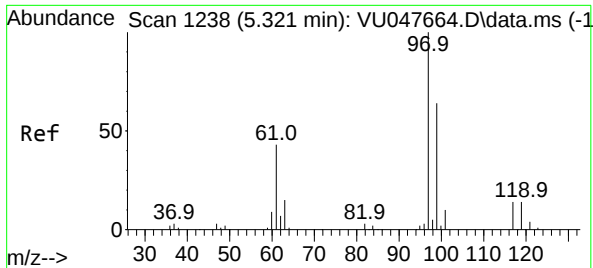
Ion Ratio Lower Upper

96 100

61 112.4 80.7 149.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 25.892 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

Instrument :

MSVOA_U

ClientSampleId :

EW5X1DL

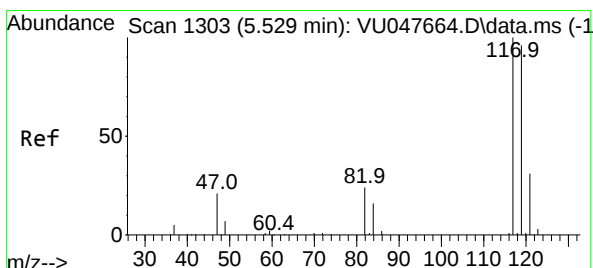
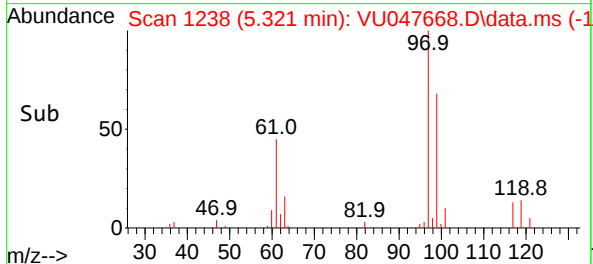
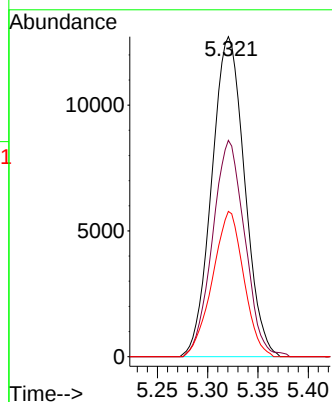
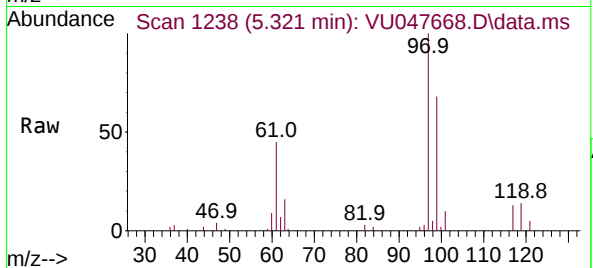
Tgt Ion: 97 Resp: 28918

Ion Ratio Lower Upper

97 100

99 66.4 51.6 77.4

61 43.3 34.2 51.4



#31

Carbon tetrachloride

Concen: 3.652 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. -0.206 min

Lab File: VU047668.D

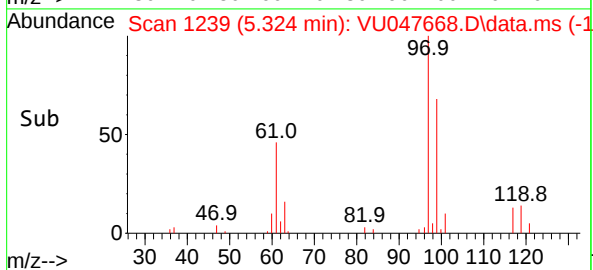
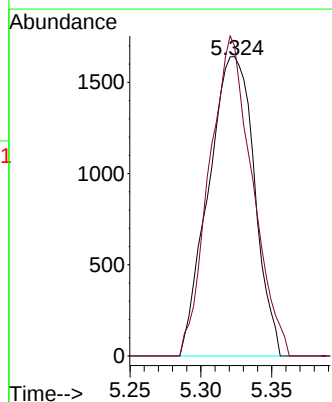
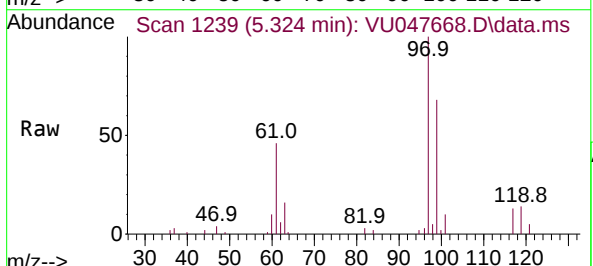
Acq: 25 Mar 2022 12:34

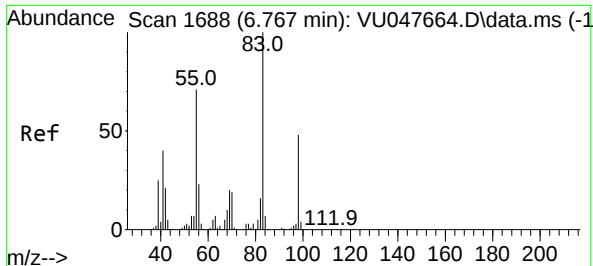
Tgt Ion: 117 Resp: 3683

Ion Ratio Lower Upper

117 100

119 100.3 77.2 115.8

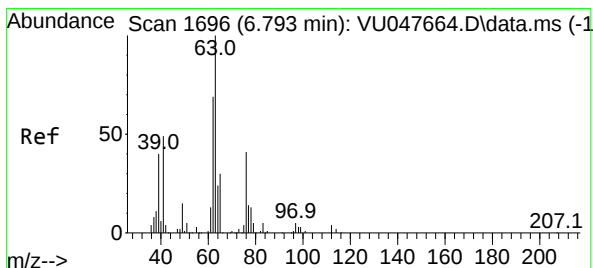
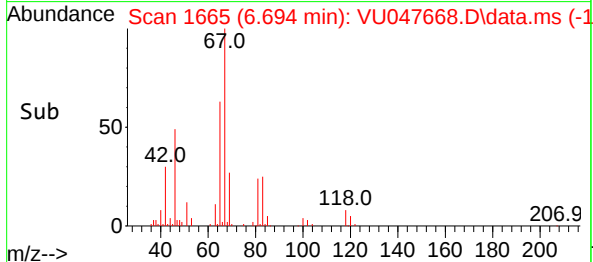
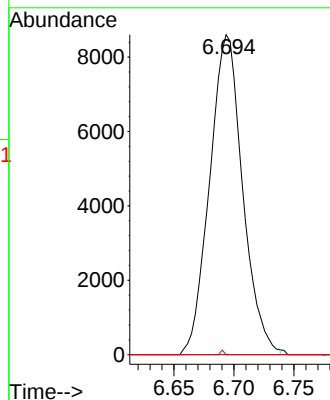
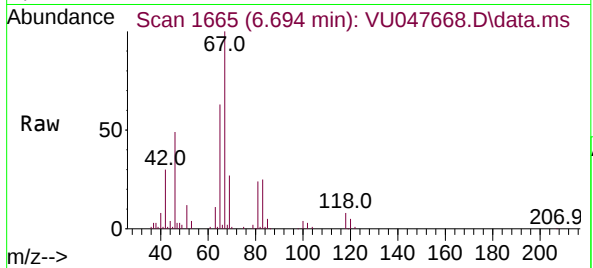




#35
Methylcyclohexane
Concen: 14.449 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047668.D
Acq: 25 Mar 2022 12:34

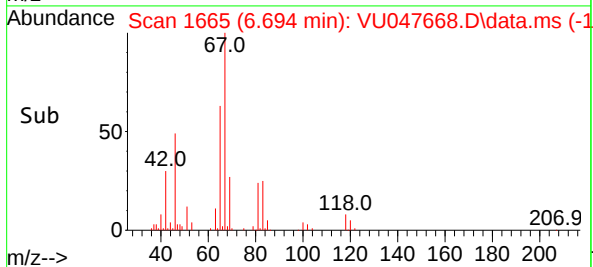
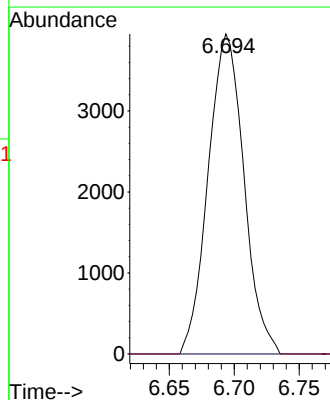
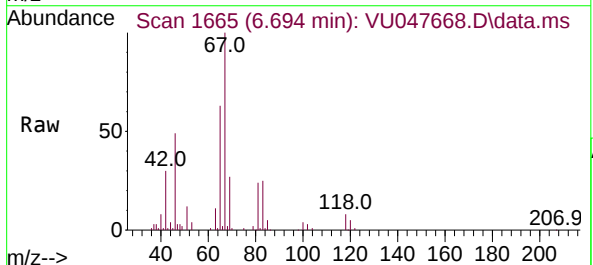
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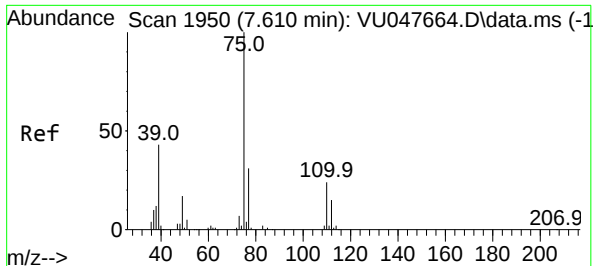
Tgt Ion: 83 Resp: 16430
Ion Ratio Lower Upper
83 100
55 0.0 56.8 85.2#
98 0.0 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 10.420 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047668.D
Acq: 25 Mar 2022 12:34

Tgt Ion: 63 Resp: 7552
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 1.748 ug/L

RT: 7.571 min Scan# 1950

Delta R.T. -0.039 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

Instrument :

MSVOA_U

ClientSampleId :

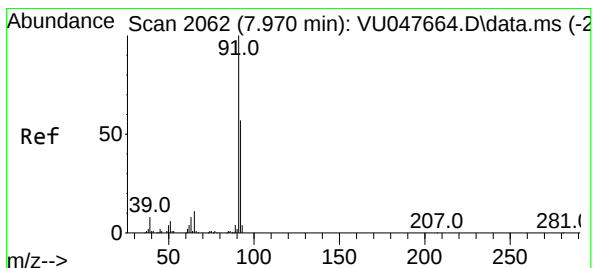
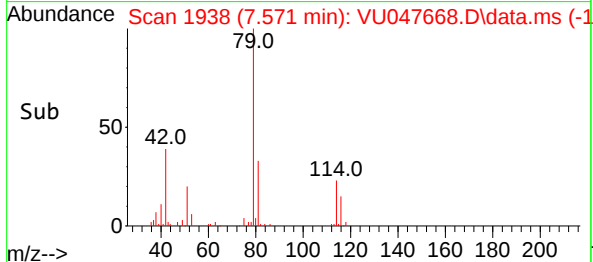
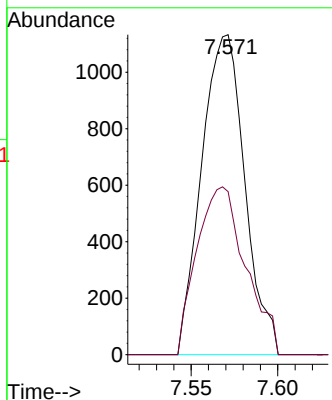
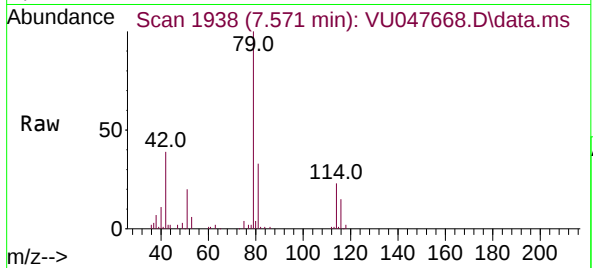
EW5X1DL

Tgt Ion: 75 Resp: 1966

Ion Ratio Lower Upper

75 100

77 50.9 21.8 40.6#



#42

Toluene

Concen: 1.601 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047668.D

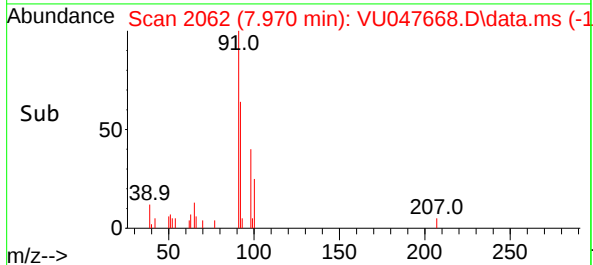
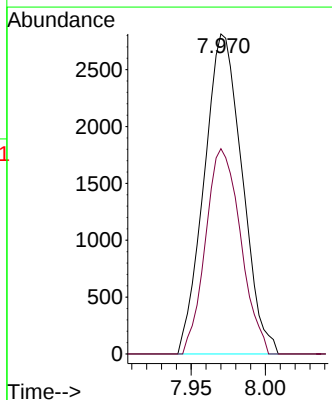
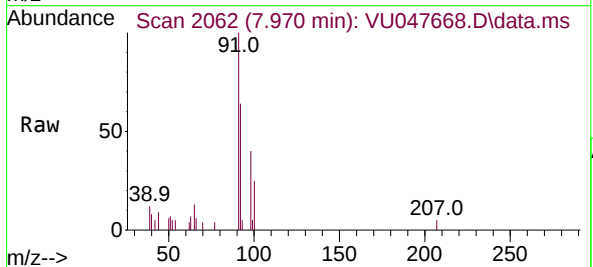
Acq: 25 Mar 2022 12:34

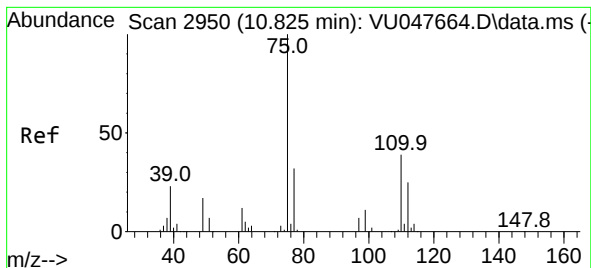
Tgt Ion: 91 Resp: 5008

Ion Ratio Lower Upper

91 100

92 64.2 40.4 75.0





#60

1,2,3-Trichloropropane

Concen: 5.970 ug/L

RT: 11.812 min Scan# 3151

Delta R.T. 0.987 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

Instrument :

MSVOA_U

ClientSampleId :

EW5X1DL

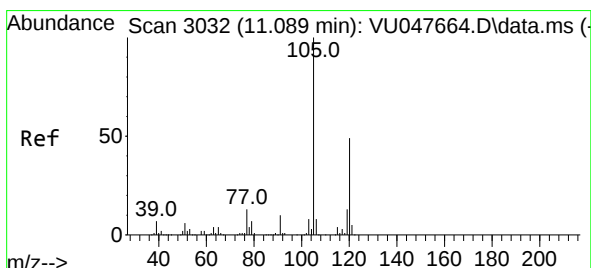
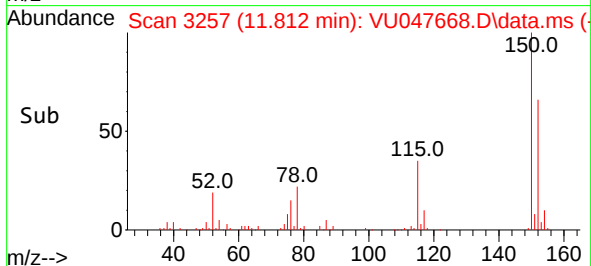
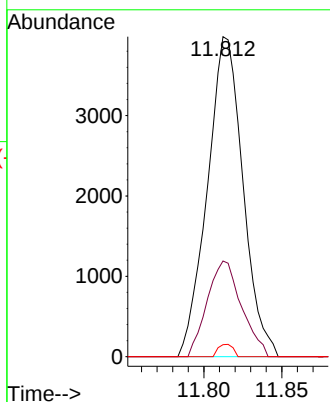
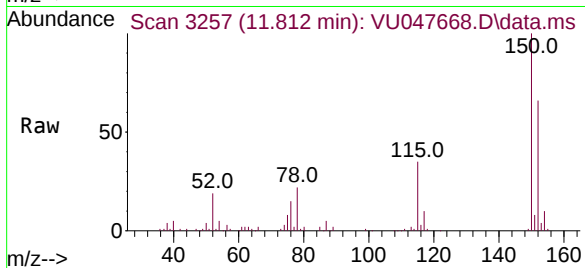
Tgt Ion: 75 Resp: 6316

Ion Ratio Lower Upper

75 100

77 28.8 26.0 39.0

110 1.6 31.4 47.2#



#62

1,3,5-Trimethylbenzene

Concen: 1.148 ug/L

RT: 11.471 min Scan# 3151

Delta R.T. 0.383 min

Lab File: VU047668.D

Acq: 25 Mar 2022 12:34

Tgt Ion:105 Resp: 1889

Ion Ratio Lower Upper

105 100

120 42.7 40.8 61.2

