

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046294.D
 Acq On : 11 Dec 2021 18:05
 Operator : SY/MD
 Sample : M4983-14DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 12 01:39:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	167828	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	174449	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	88338	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	49646	35.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.820%
7) Chloroethane-d5	1.915	69	41617	39.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.420%
11) 1,1-Dichloroethene-d2	2.571	63	69508	28.007	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.020%#
21) 2-Butanone-d5	4.636	46	117260	106.696	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.700%
24) Chloroform-d	5.066	84	106017	45.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.840%
26) 1,2-Dichloroethane-d4	5.706	65	76482	49.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.720%
32) Benzene-d6	5.732	84	216642	43.328	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.660%
36) 1,2-Dichloropropane-d6	6.693	67	72452	46.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.520%
41) Toluene-d8	7.902	98	182785	40.151	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.300%
43) trans-1,3-Dichloroprop...	8.182	79	33713	45.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
47) 2-Hexanone-d5	8.635	63	83048	113.034	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.030%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	121344	51.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	82357	48.410	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.820%

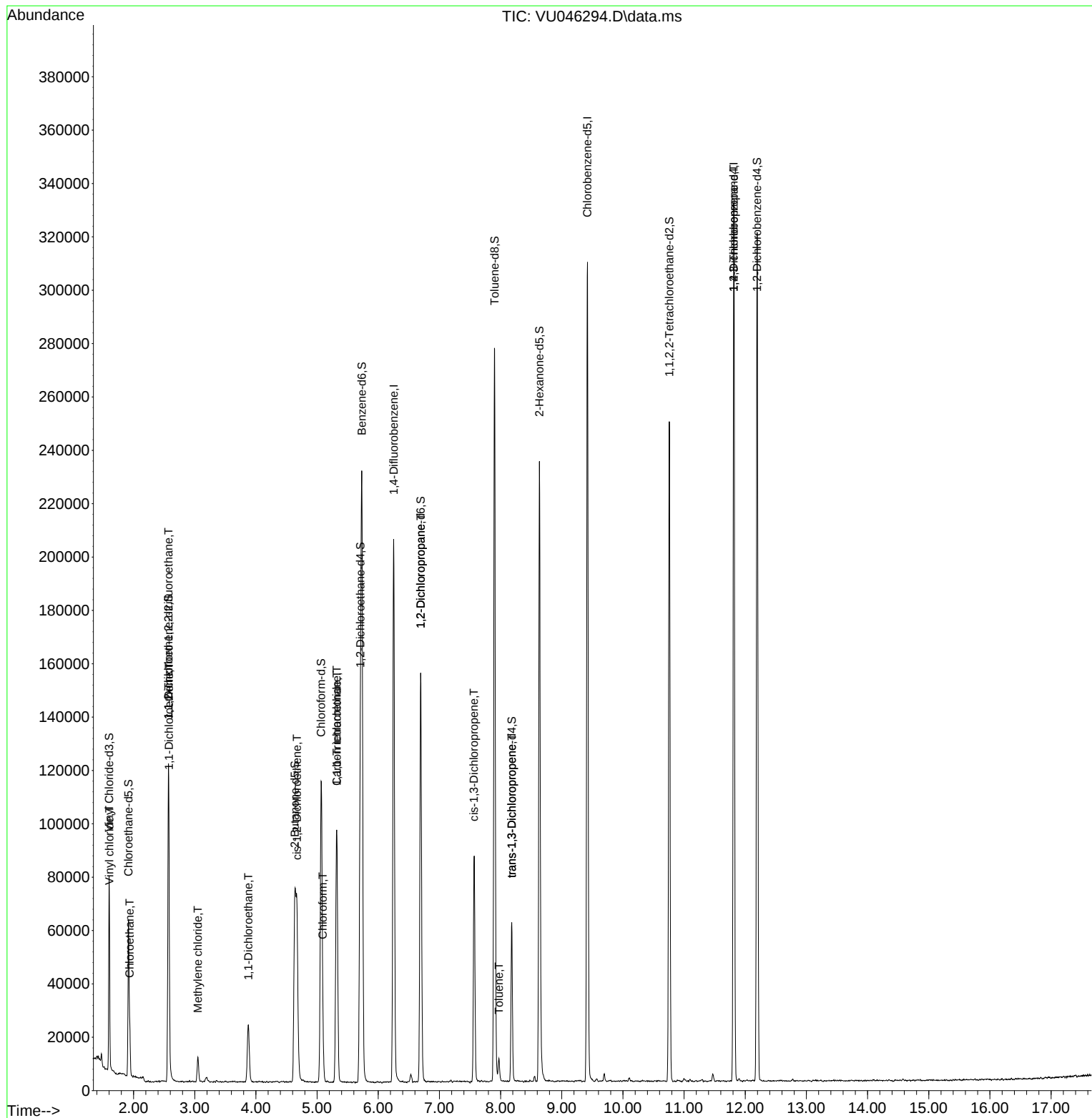
Target Compounds				Qvalue		
5) Vinyl chloride	1.607	62	1922	1.167	ug/L #	63
8) Chloroethane	1.938	64	10840	11.369	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	719	0.589	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	1114	0.960	ug/L #	1
16) Methylene chloride	3.050	84	4565	3.306	ug/L	89
19) 1,1-Dichloroethane	3.877	63	25353	11.355	ug/L	96
20) cis-1,2-Dichloroethene	4.671	96	23990	18.004	ug/L	93
25) Chloroform	5.092	83	9828	3.962	ug/L	95
30) 1,1,1-Trichloroethane	5.320	97	70679	33.006	ug/L	99
31) Carbon tetrachloride	5.320	117	9273	5.101	ug/L	100
37) 1,2-Dichloropropane	6.693	63	7936	5.738	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2054	0.976	ug/L #	43
42) Toluene	7.973	91	6821	1.204	ug/L	95
44) trans-1,3-Dichloropropene	8.182	75	1632	0.790	ug/L	94
60) 1,2,3-Trichloropropane	11.812	75	10834	5.595	ug/L #	65

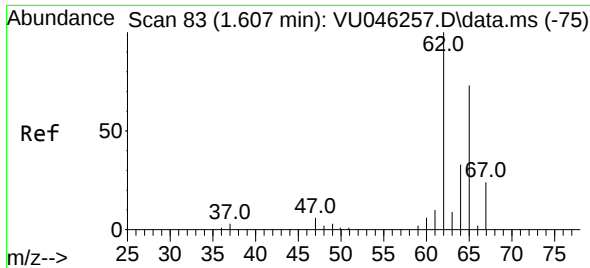
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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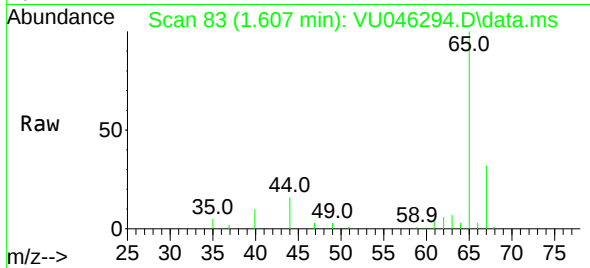
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
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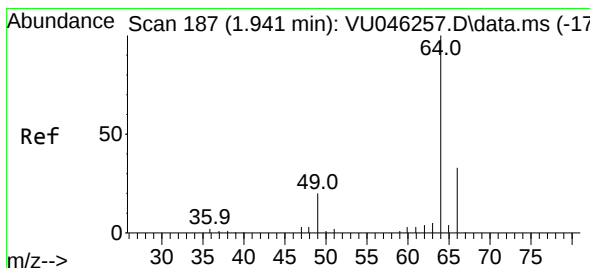
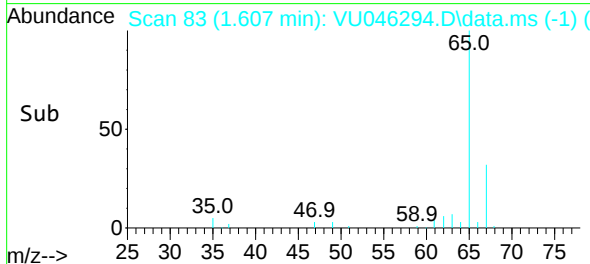
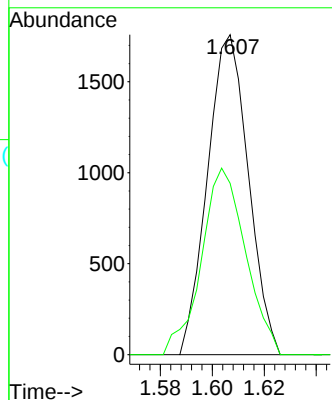


#5
 Vinyl chloride
 Concen: 1.167 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046294.D
 Acq: 11 Dec 2021 18:05

Instrument :
 MSVOA_U
 ClientSampleId :

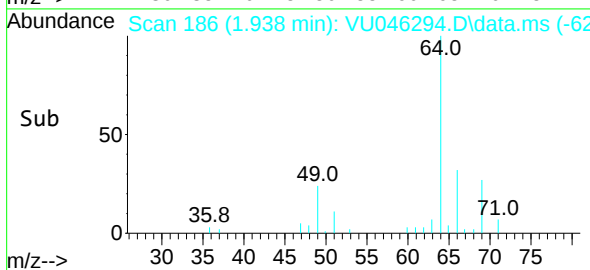
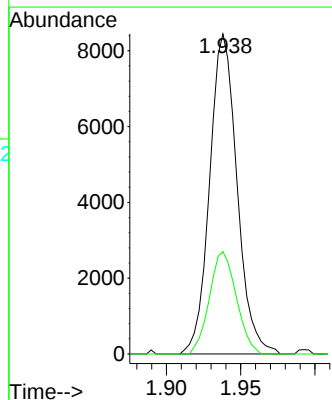
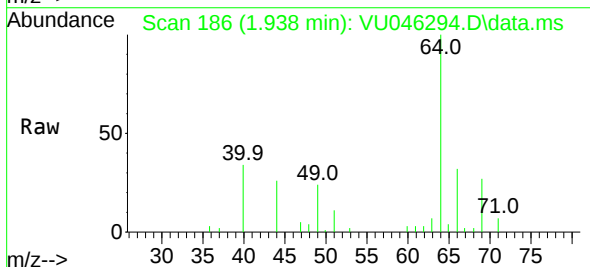


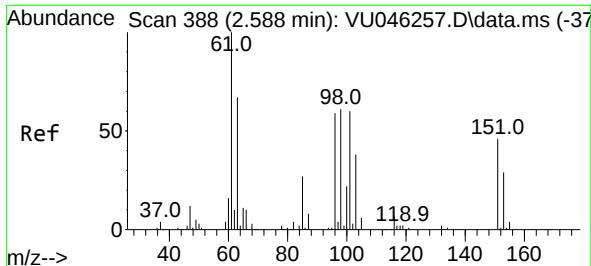
Tgt Ion: 62 Resp: 1922
 Ion Ratio Lower Upper
 62 100
 64 53.6 22.9 42.5#



#8
 Chloroethane
 Concen: 11.369 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046294.D
 Acq: 11 Dec 2021 18:05

Tgt Ion: 64 Resp: 10840
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.5 41.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.589 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

ClientSampleId :

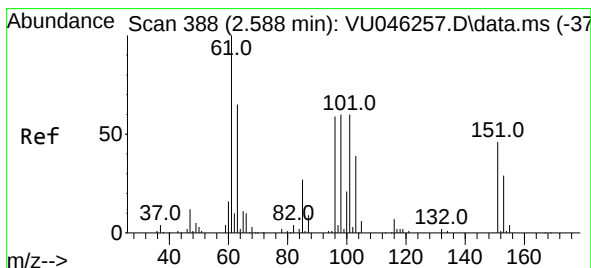
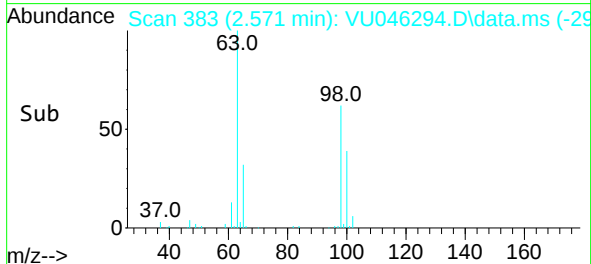
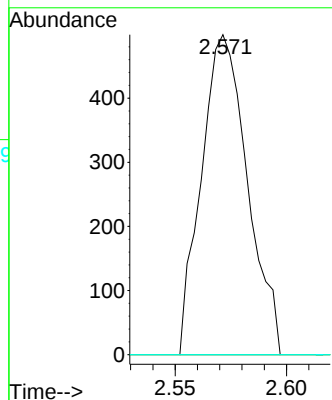
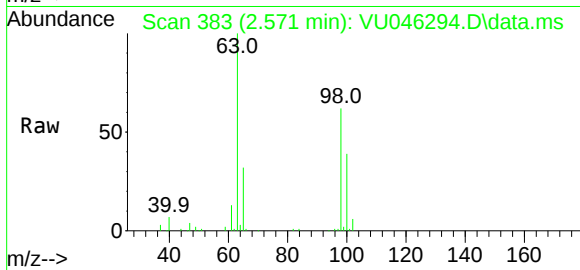
Tgt Ion:101 Resp: 719

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.7 85.1#



#12

1,1-Dichloroethene

Concen: 0.960 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.007 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

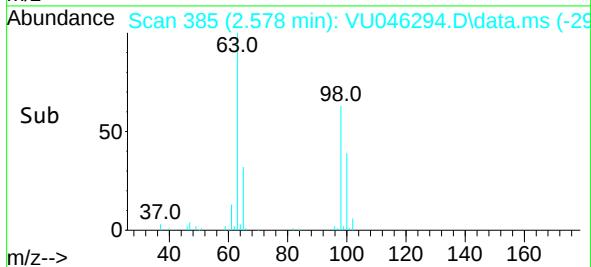
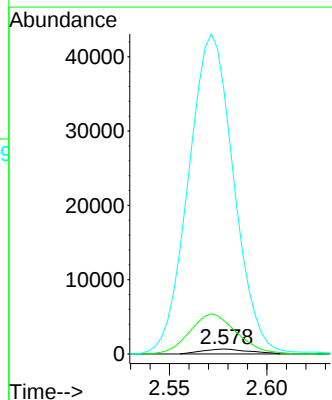
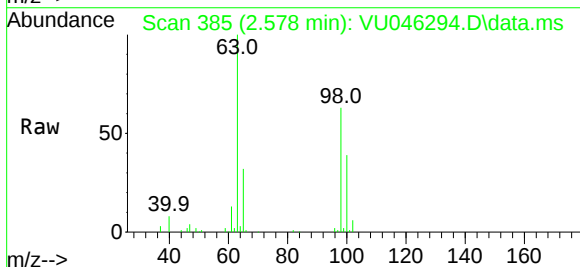
Tgt Ion: 96 Resp: 1114

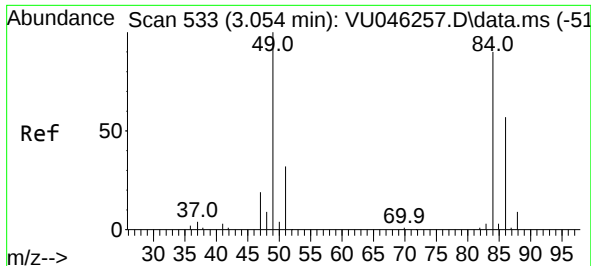
Ion Ratio Lower Upper

96 100

61 674.3 118.6 220.2#

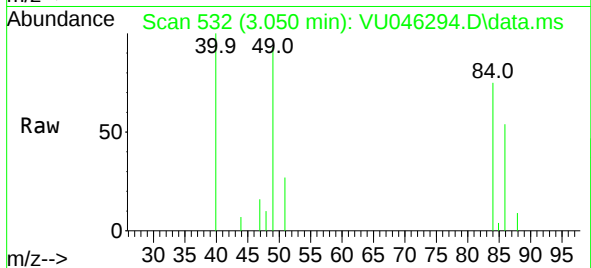
63 5348.5 93.0 172.8#



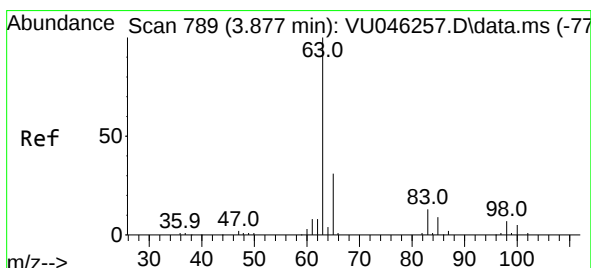
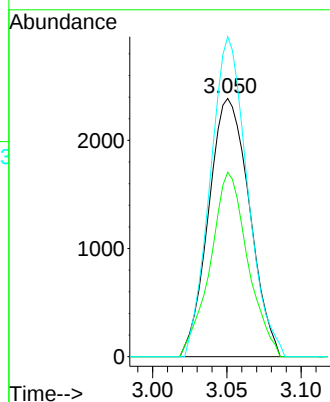
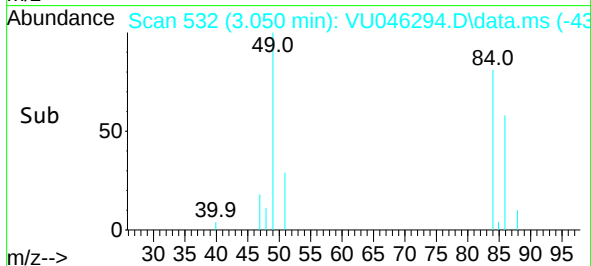


#16
Methylene chloride
Concen: 3.306 ug/L
RT: 3.050 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU046294.D
Acq: 11 Dec 2021 18:05

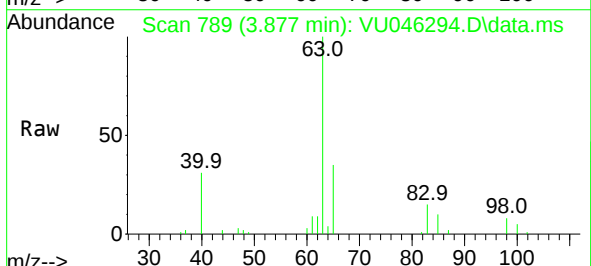
Instrument :
MSVOA_U
ClientSampleId :



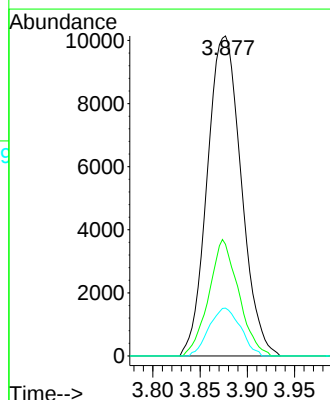
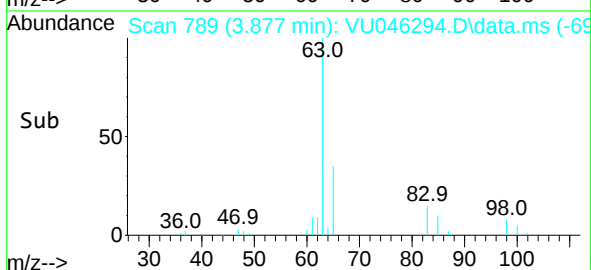
Tgt Ion: 84 Resp: 4565
Ion Ratio Lower Upper
84 100
86 71.4 44.7 83.1
49 123.9 78.4 145.6

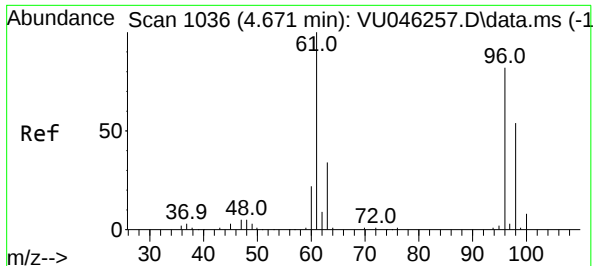


#19
1,1-Dichloroethane
Concen: 11.355 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046294.D
Acq: 11 Dec 2021 18:05



Tgt Ion: 63 Resp: 25353
Ion Ratio Lower Upper
63 100
65 34.9 22.8 42.4
83 14.9 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 18.004 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

ClientSampleId :

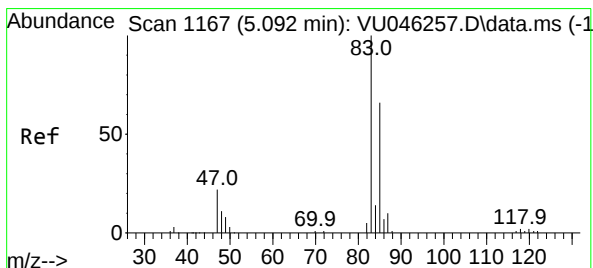
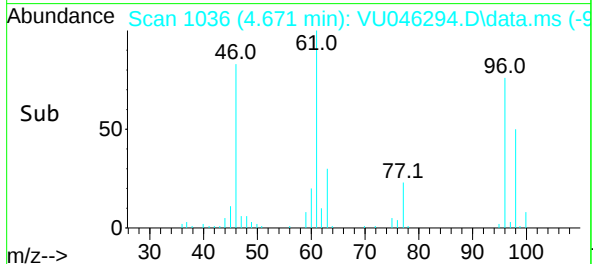
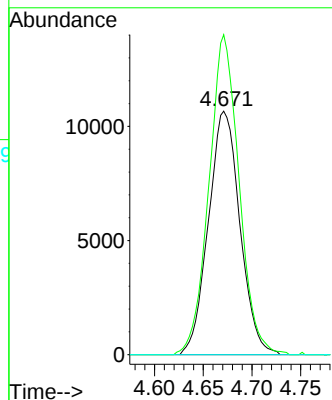
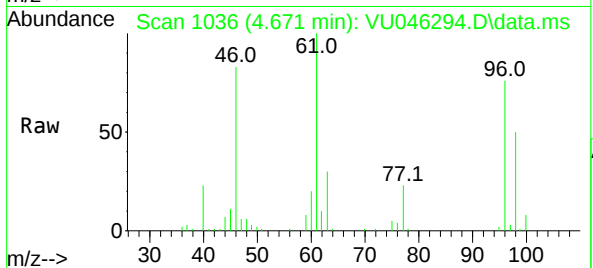
Tgt Ion: 96 Resp: 23990

Ion Ratio Lower Upper

96 100

61 131.4 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 3.962 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU046294.D

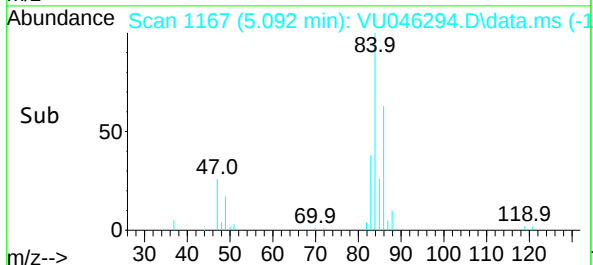
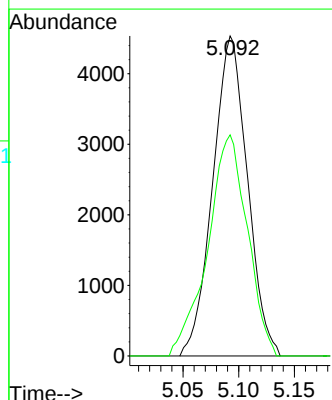
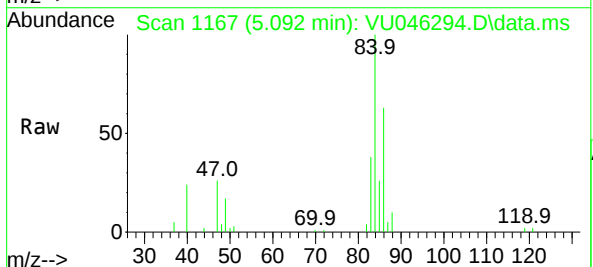
Acq: 11 Dec 2021 18:05

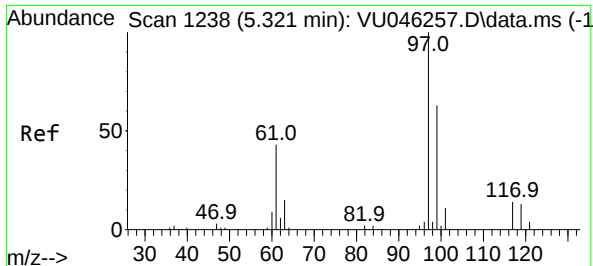
Tgt Ion: 83 Resp: 9828

Ion Ratio Lower Upper

83 100

85 69.1 45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 33.006 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

ClientSampleId :

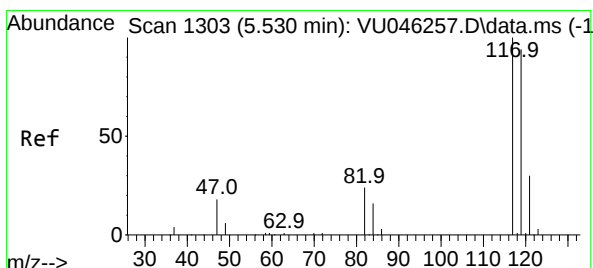
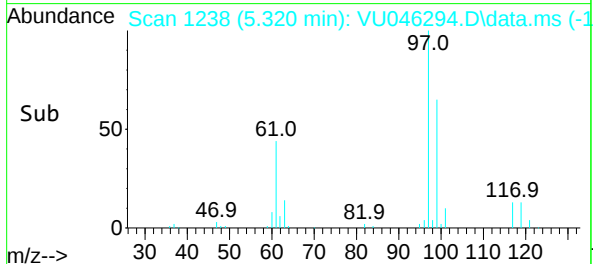
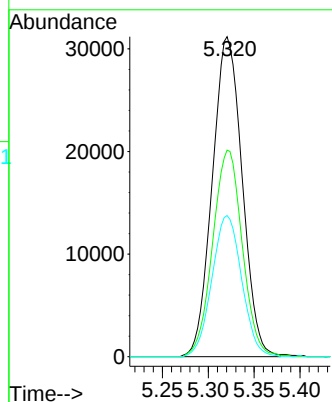
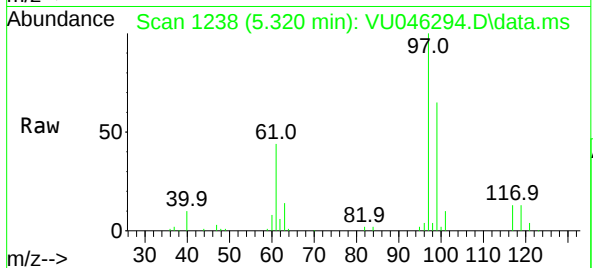
Tgt Ion: 97 Resp: 70679

Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 43.9 34.4 51.6



#31

Carbon tetrachloride

Concen: 5.101 ug/L

RT: 5.320 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046294.D

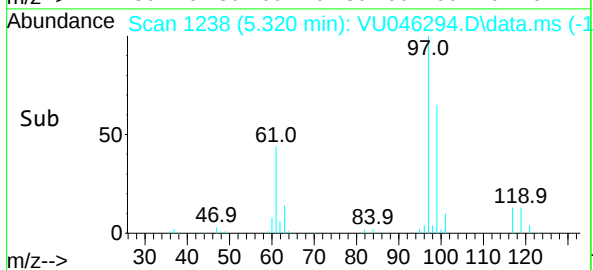
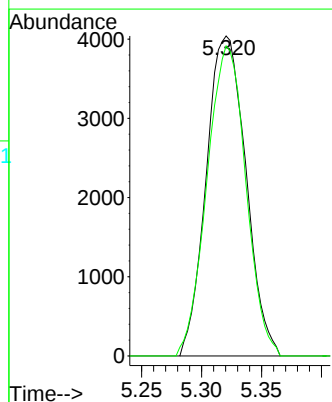
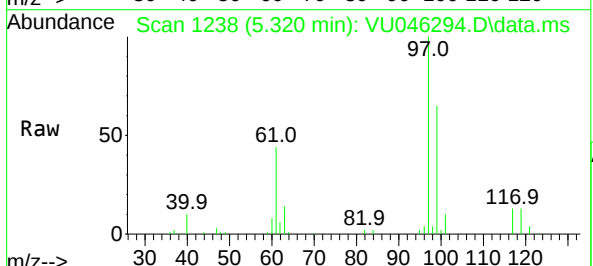
Acq: 11 Dec 2021 18:05

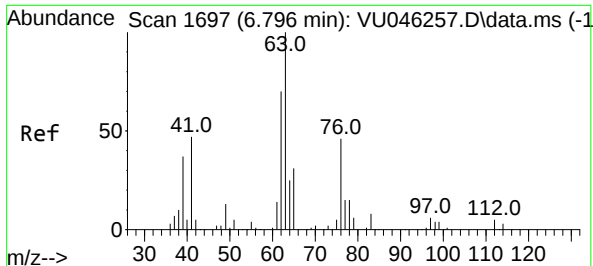
Tgt Ion: 117 Resp: 9273

Ion Ratio Lower Upper

117 100

119 95.0 75.7 113.5





#37

1,2-Dichloropropane

Concen: 5.738 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

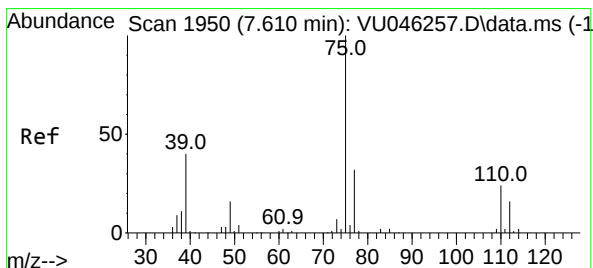
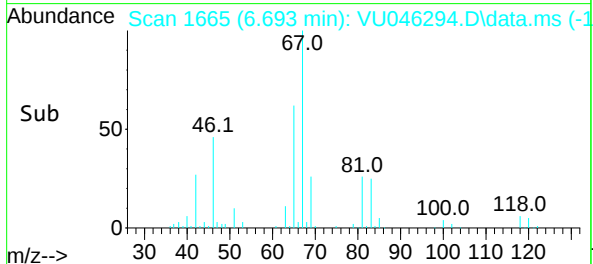
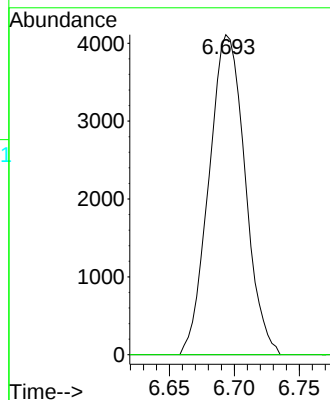
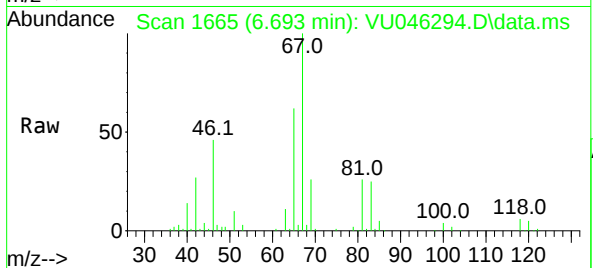
ClientSampleId :

Tgt Ion: 63 Resp: 7936

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.976 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046294.D

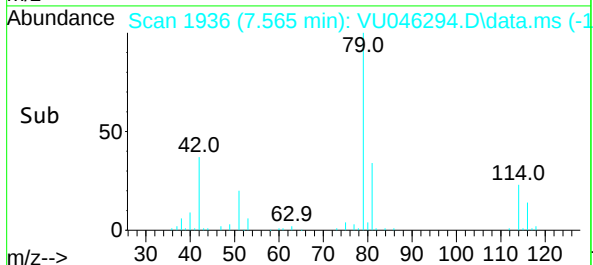
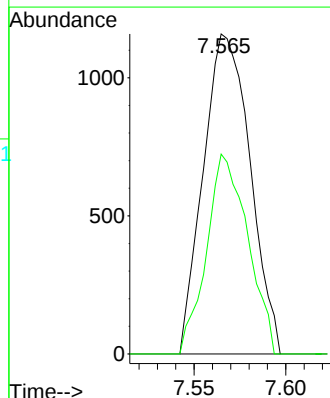
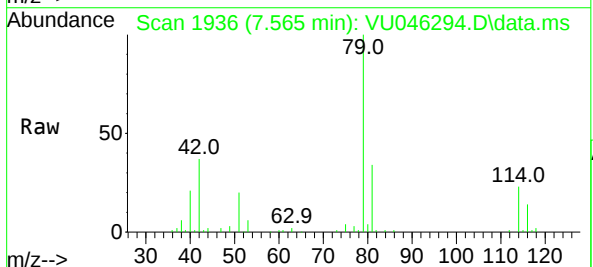
Acq: 11 Dec 2021 18:05

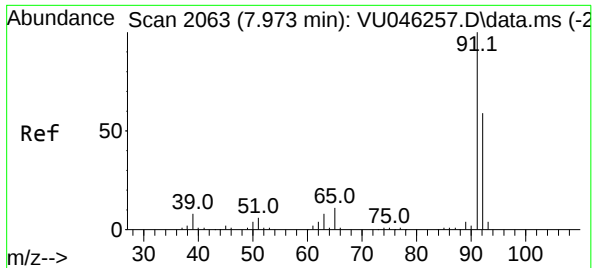
Tgt Ion: 75 Resp: 2054

Ion Ratio Lower Upper

75 100

77 62.5 21.8 40.6#





#42

Toluene

Concen: 1.204 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046294.D

Acq: 11 Dec 2021 18:05

Instrument :

MSVOA_U

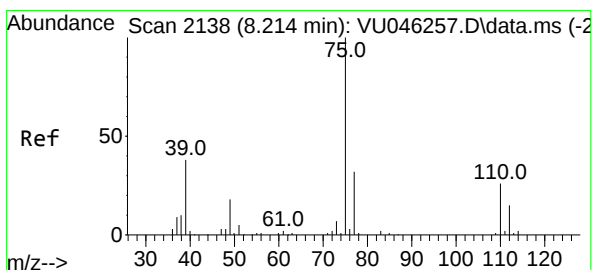
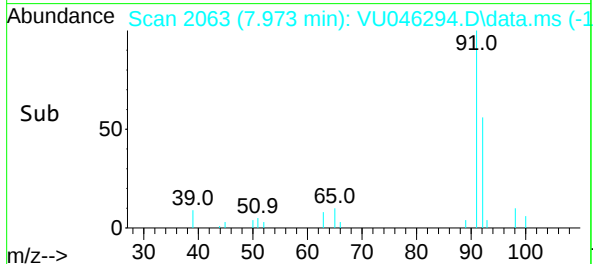
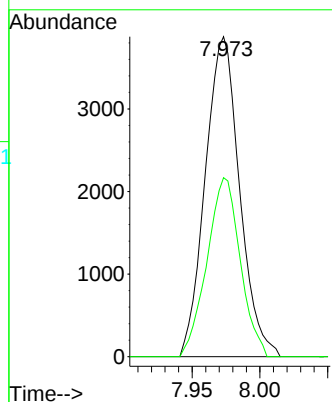
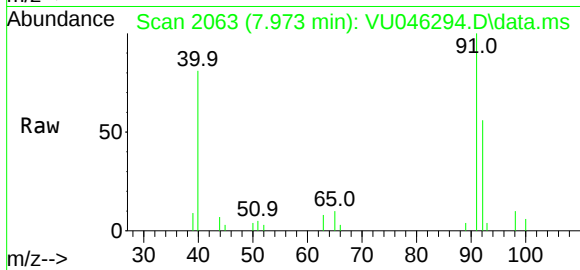
ClientSampleId :

Tgt Ion: 91 Resp: 6821

Ion Ratio Lower Upper

91 100

92 56.0 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.790 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046294.D

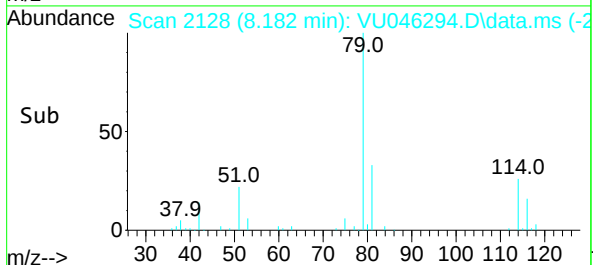
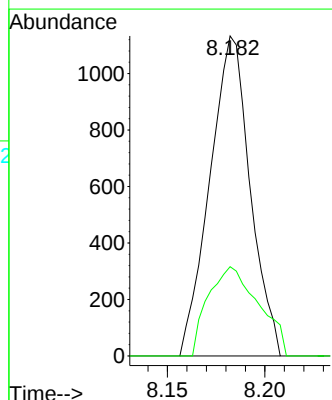
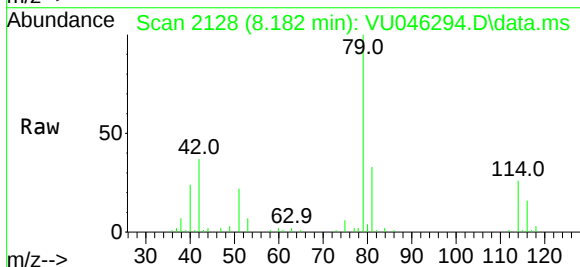
Acq: 11 Dec 2021 18:05

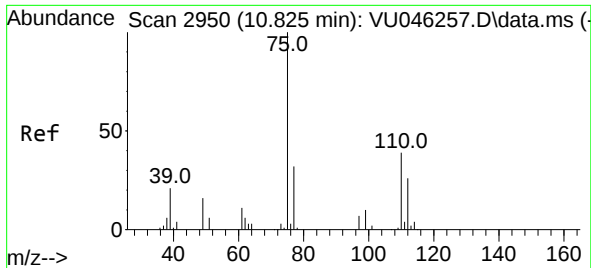
Tgt Ion: 75 Resp: 1632

Ion Ratio Lower Upper

75 100

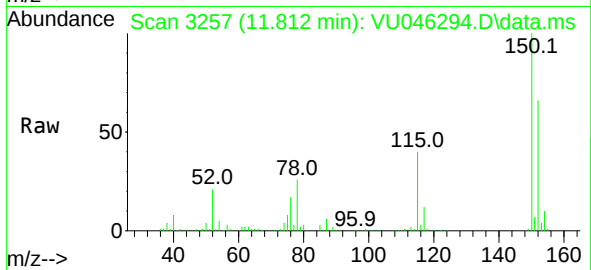
77 27.9 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.595 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046294.D
 Acq: 11 Dec 2021 18:05

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6
110	2.1	32.4	48.6#

