

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046312.D
 Acq On : 13 Dec 2021 14:00
 Operator : SY/MD
 Sample : M4971-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:34:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 13 13:51:57 2021
 Response via : Initial Calibration

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

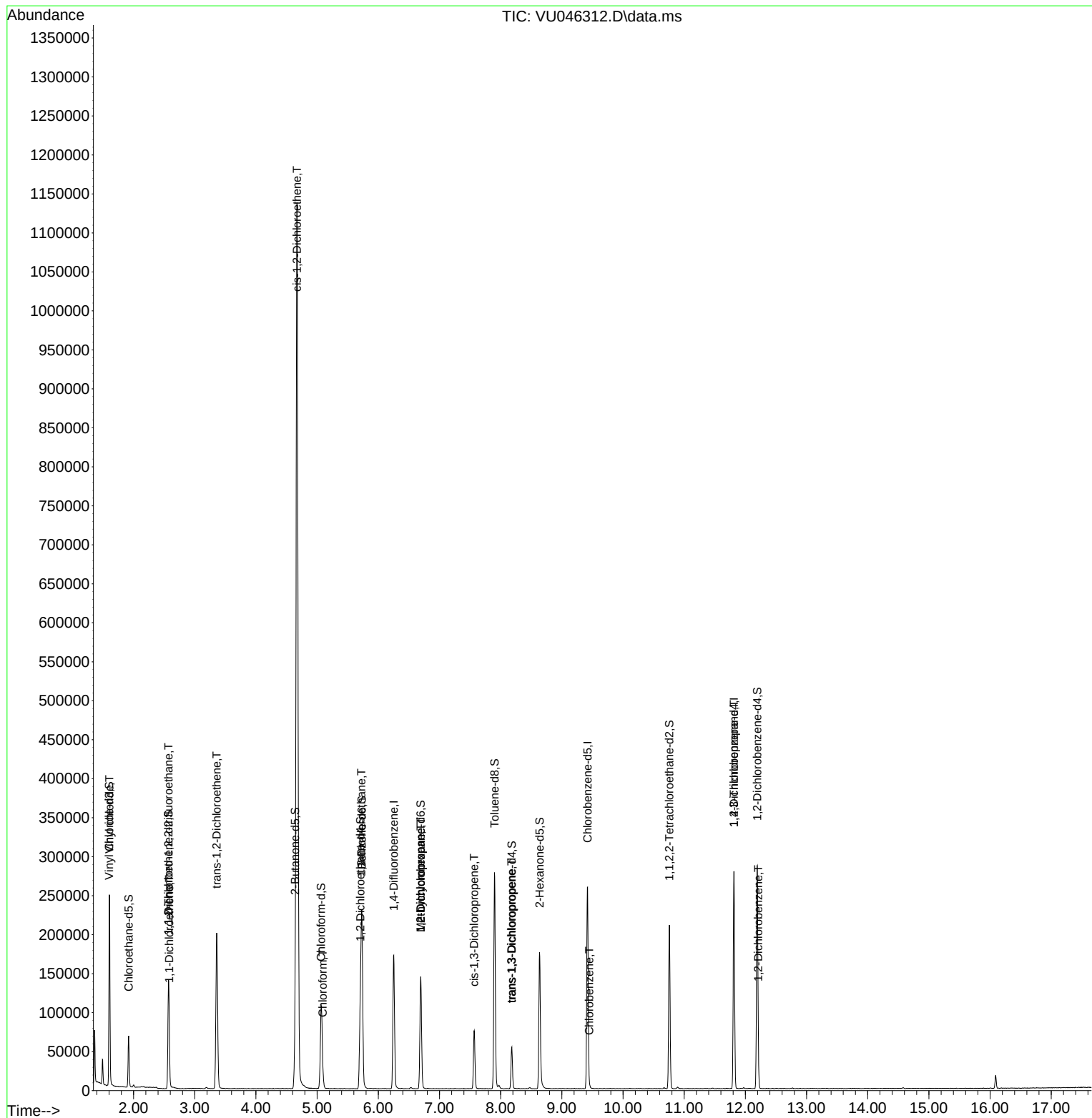
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	137348	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	142750	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70774	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	65776	58.137	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.280%
7) Chloroethane-d5	1.919	69	47006	54.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.220%
11) 1,1-Dichloroethene-d2	2.572	63	84417	41.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
21) 2-Butanone-d5	4.642	46	96377	107.156	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.160%
24) Chloroform-d	5.067	84	98373	52.066	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.140%
26) 1,2-Dichloroethane-d4	5.707	65	69578	54.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.740%
32) Benzene-d6	5.732	84	215973	52.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.580%
36) 1,2-Dichloropropane-d6	6.694	67	66953	52.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.600%
41) Toluene-d8	7.899	98	184492	49.525	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.040%
43) trans-1,3-Dichloroprop...	8.182	79	30980	50.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.220%
47) 2-Hexanone-d5	8.636	63	64897	107.943	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.940%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	103484	53.814	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.620%
66) 1,2-Dichlorobenzene-d4	12.195	152	71360	52.356	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.720%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	101088	75.010	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	838	0.839	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	1565	1.648	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	85496	85.069	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	583211	534.810	ug/L	97
25) Chloroform	5.092	83	9124	4.494	ug/L	89
27) 1,2-Dichloroethane	5.723	62	595	0.395	ug/L #	73
35) Methylcyclohexane	6.694	83	16284	9.227	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6990	6.176	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1707	0.991	ug/L #	66
44) trans-1,3-Dichloropropene	8.179	75	1441	0.852	ug/L	94
51) Chlorobenzene	9.449	112	1806	0.602	ug/L	97
60) 1,2,3-Trichloropropane	11.812	75	9217	5.941	ug/L #	63
67) 1,2-Dichlorobenzene	12.211	146	4252	1.930	ug/L	95

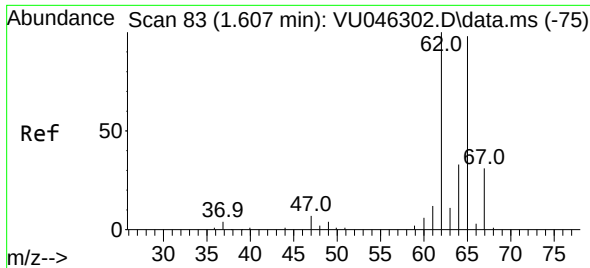
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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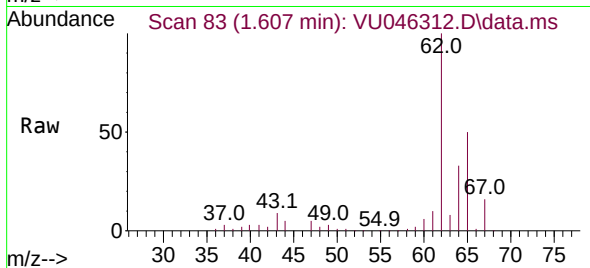
Quant Time: Dec 14 02:34:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 13 13:51:57 2021
Response via : Initial Calibration



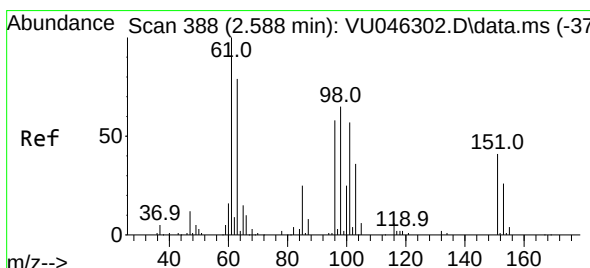
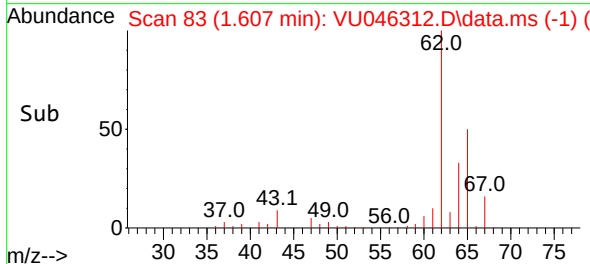
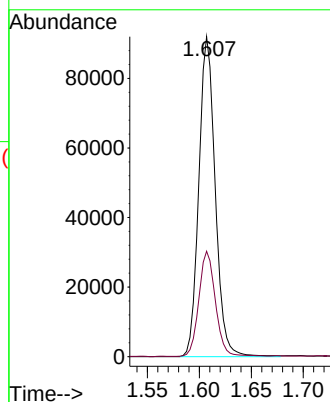


#5
 Vinyl chloride
 Concen: 75.010 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046312.D
 Acq: 13 Dec 2021 14:00

Instrument :
 MSVOA_W
 ClientSampleId :

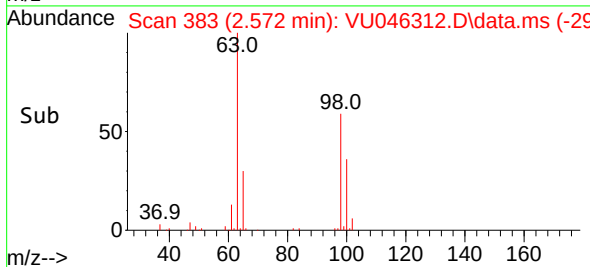
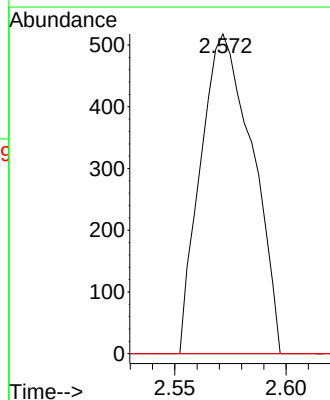
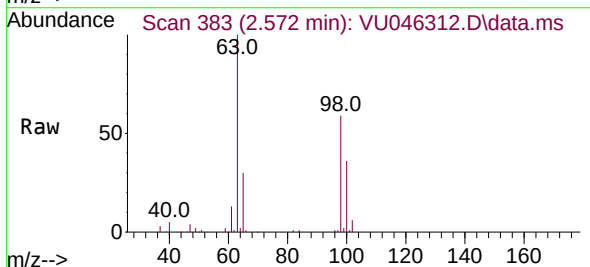


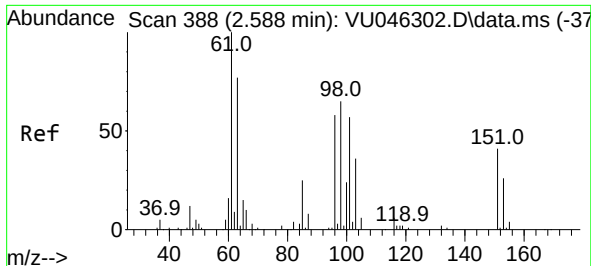
Tgt Ion: 62 Resp: 101088
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.839 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046312.D
 Acq: 13 Dec 2021 14:00

Tgt Ion: 101 Resp: 838
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#

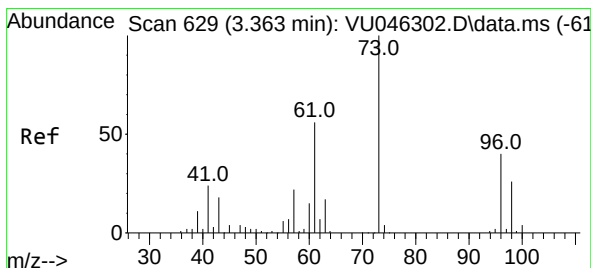
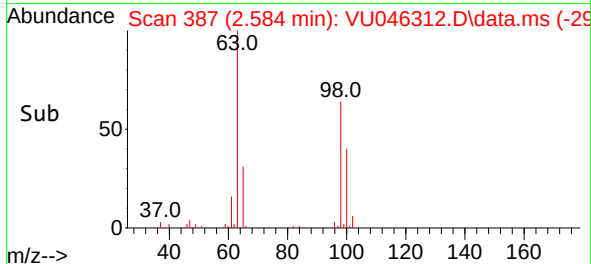
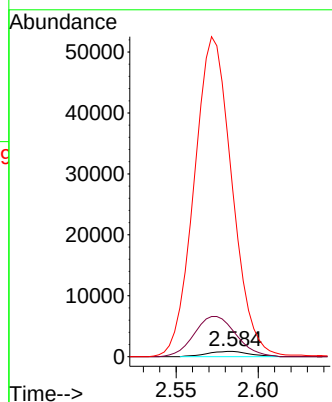
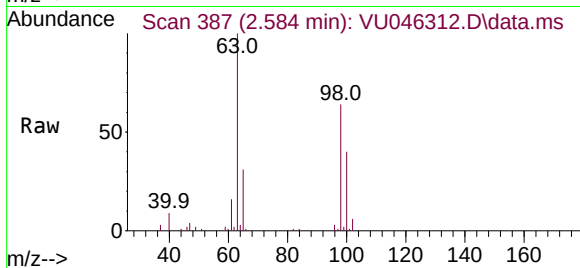




#12
1,1-Dichloroethene
Concen: 1.648 ug/L
RT: 2.584 min Scan# 312
Delta R.T. -0.003 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

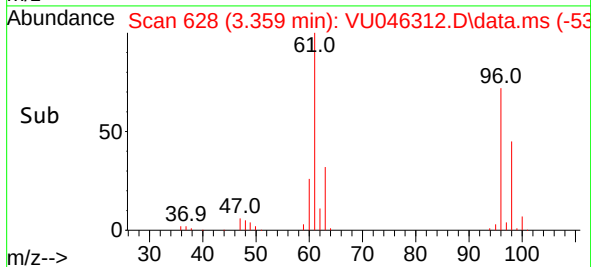
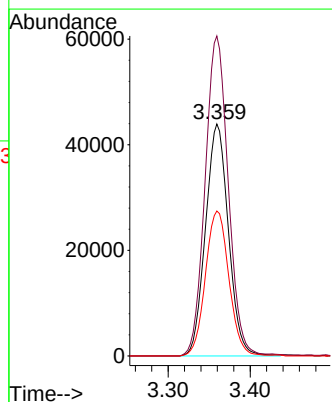
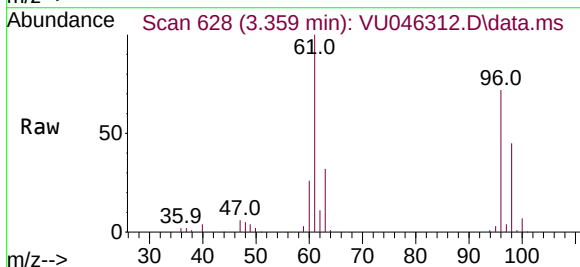
Instrument :
MSVOA_W
ClientSampleId :

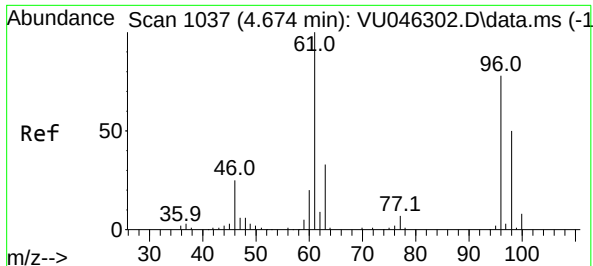
Tgt Ion: 96 Resp: 1565
Ion Ratio Lower Upper
96 100
61 493.3 118.6 220.2#
63 3133.4 93.0 172.8#



#17
trans-1,2-Dichloroethene
Concen: 85.069 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

Tgt Ion: 96 Resp: 85496
Ion Ratio Lower Upper
96 100
61 138.0 94.6 175.6
98 62.5 44.0 81.8





#20

cis-1,2-Dichloroethene

Concen: 534.810 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_W

ClientSampleId :

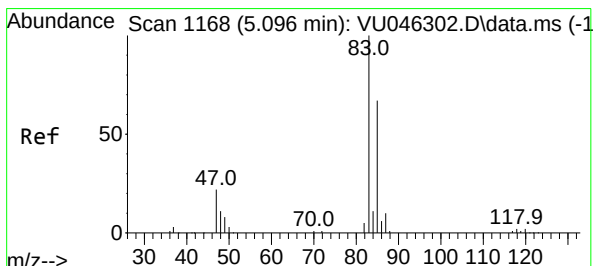
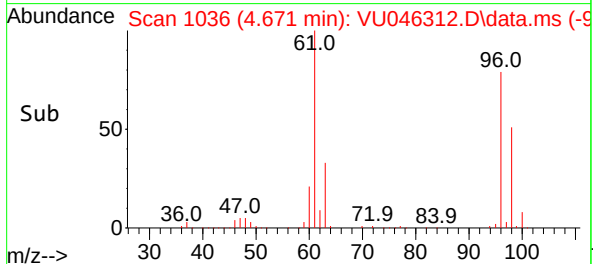
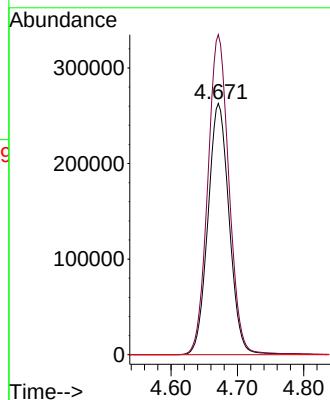
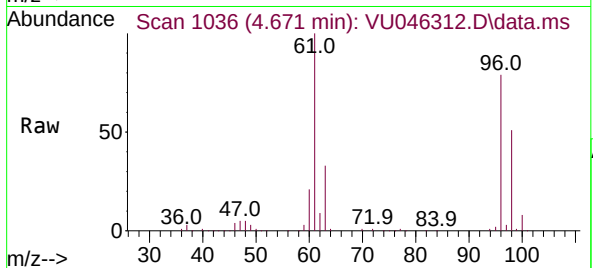
Tgt Ion: 96 Resp: 583211

Ion Ratio Lower Upper

96 100

61 127.4 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 4.494 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046312.D

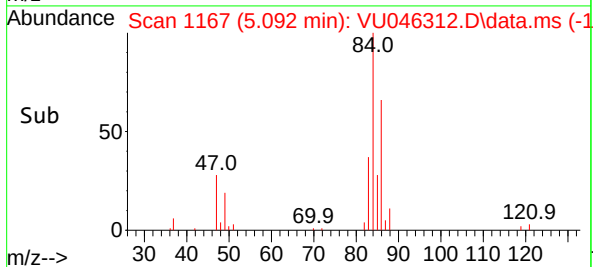
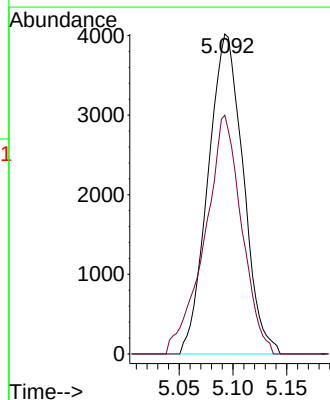
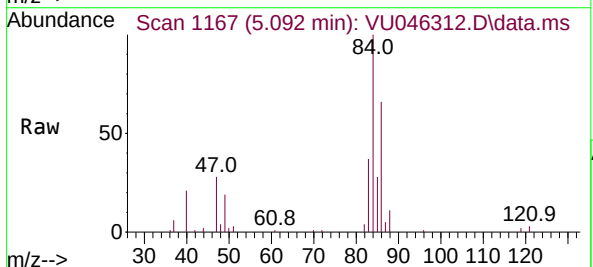
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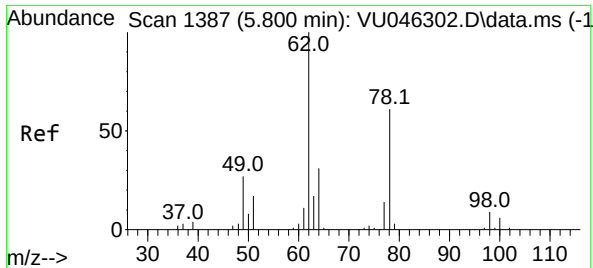
Tgt Ion: 83 Resp: 9124

Ion Ratio Lower Upper

83 100

85 74.6 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.395 ug/L

RT: 5.723 min Scan# 11

Delta R.T. -0.077 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_W

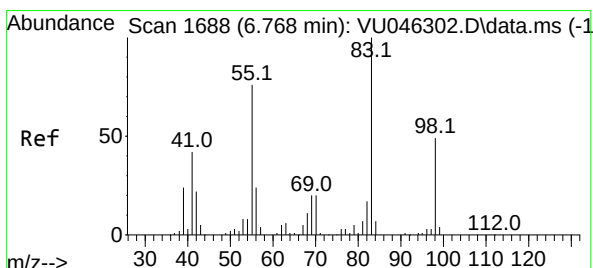
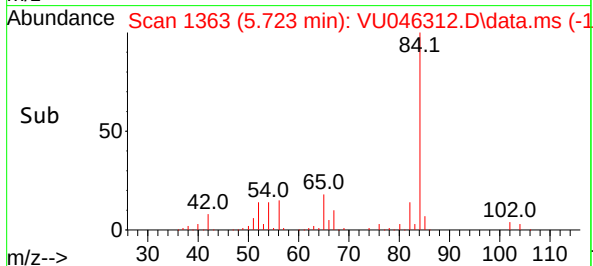
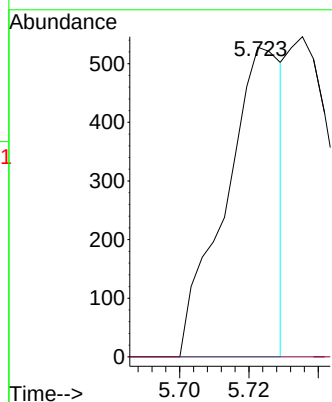
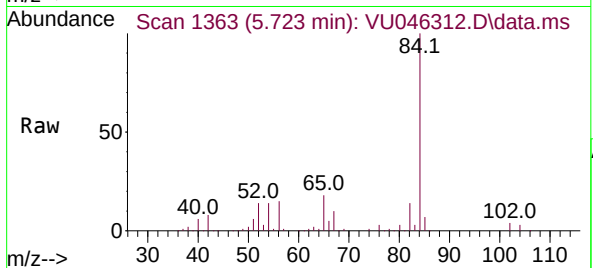
ClientSampleId :

Tgt Ion: 62 Resp: 595

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 9.227 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

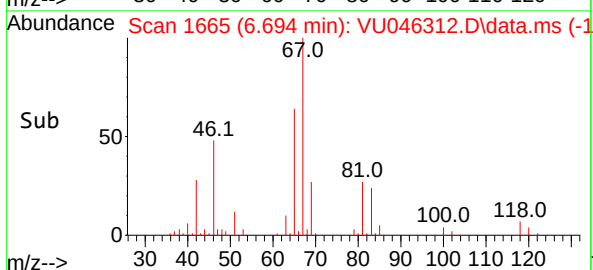
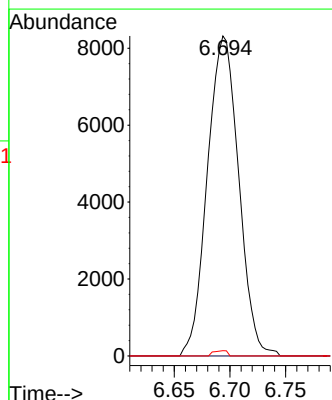
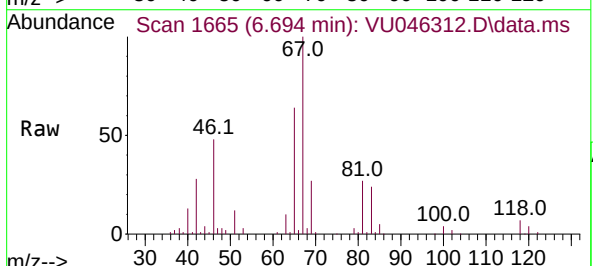
Tgt Ion: 83 Resp: 16284

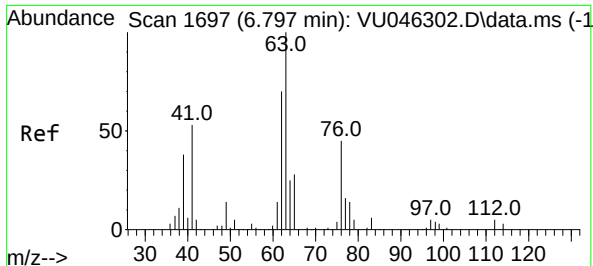
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.7 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 6.176 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046312.D

Acq: 13 Dec 2021 14:00

Instrument :

MSVOA_W

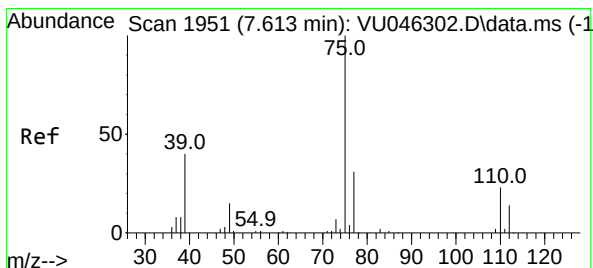
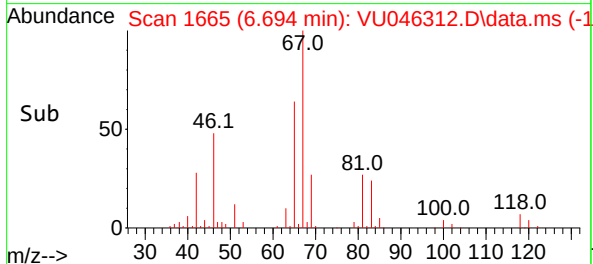
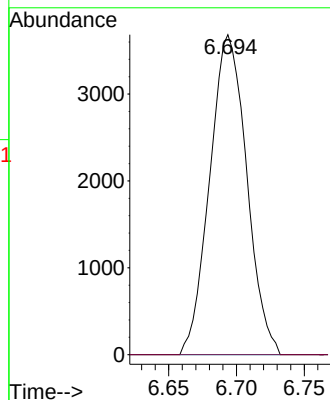
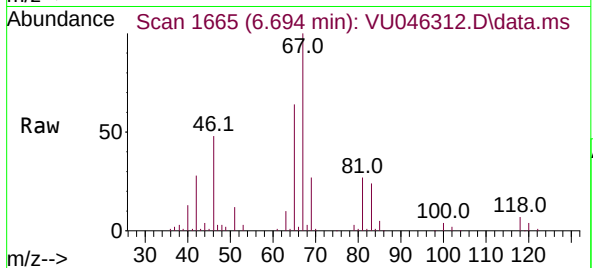
ClientSampleId :

Tgt Ion: 63 Resp: 6990

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.991 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU046312.D

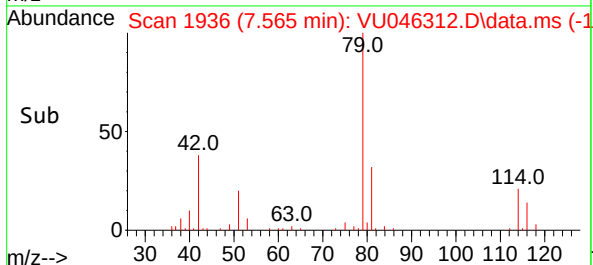
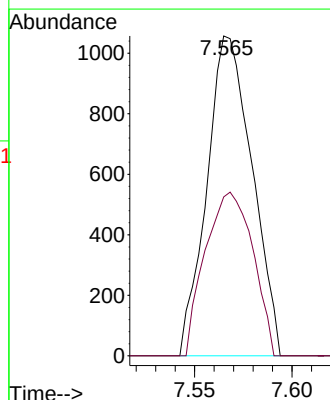
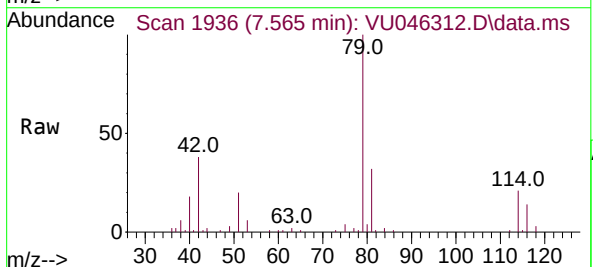
Acq: 13 Dec 2021 14:00

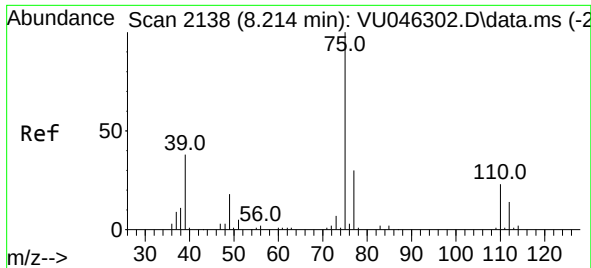
Tgt Ion: 75 Resp: 1707

Ion Ratio Lower Upper

75 100

77 49.7 21.8 40.6#

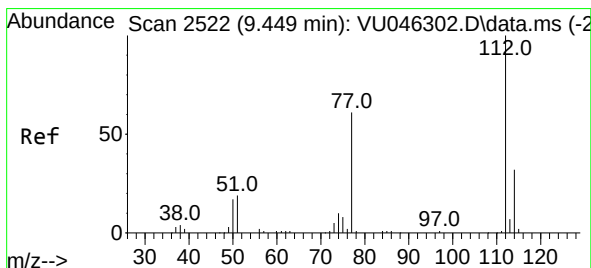
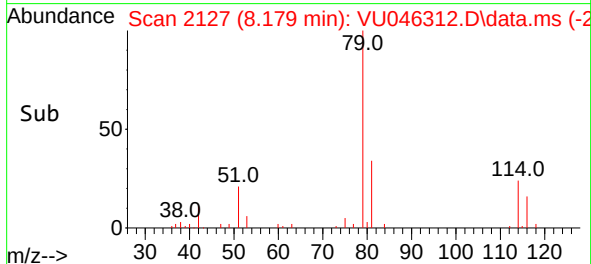
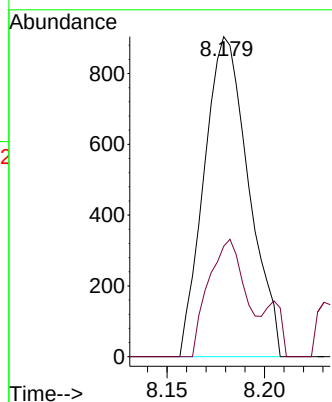
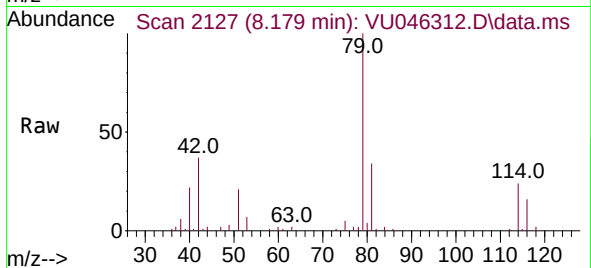




#44
trans-1,3-Dichloropropene
Concen: 0.852 ug/L
RT: 8.179 min Scan# 2138
Delta R.T. -0.035 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

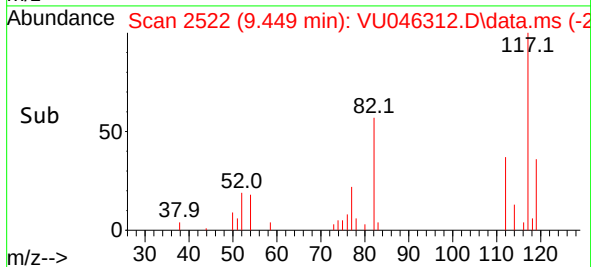
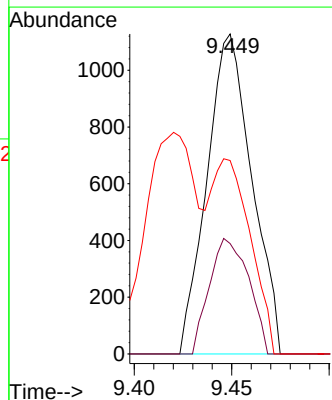
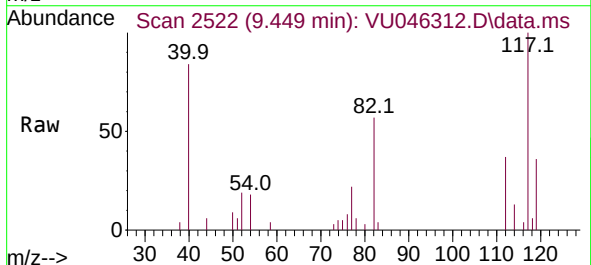
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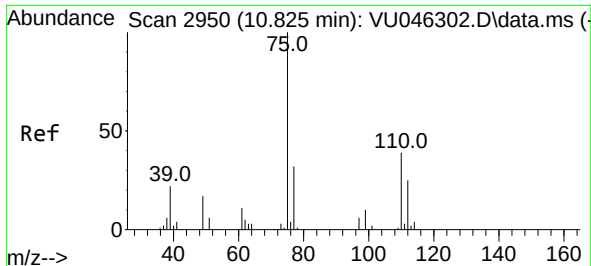
Tgt Ion: 75 Resp: 1441
Ion Ratio Lower Upper
75 100
77 34.5 21.7 40.3



#51
Chlorobenzene
Concen: 0.602 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

Tgt Ion: 112 Resp: 1806
Ion Ratio Lower Upper
112 100
114 34.5 22.2 41.2
77 60.5 47.4 71.0

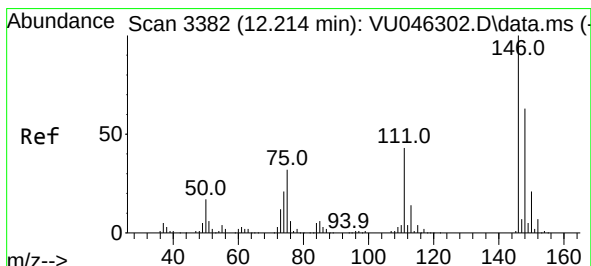
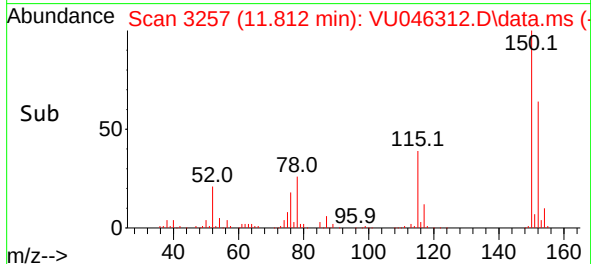
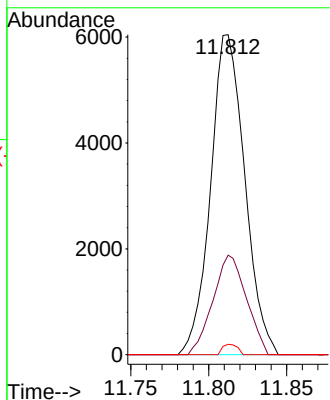
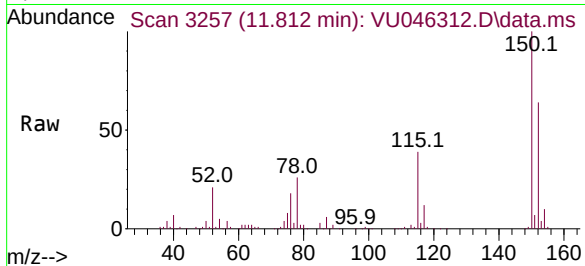




#60
1,2,3-Trichloropropane
Concen: 5.941 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 9217
Ion Ratio Lower Upper
75 100
77 30.4 26.4 39.6
110 1.4 32.4 48.6#



#67
1,2-Dichlorobenzene
Concen: 1.930 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU046312.D
Acq: 13 Dec 2021 14:00

Tgt Ion: 146 Resp: 4252
Ion Ratio Lower Upper
146 100
111 49.8 35.7 53.5
148 66.1 51.2 76.8

