

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046313.D
 Acq On : 13 Dec 2021 14:22
 Operator : SY/MD
 Sample : M4971-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

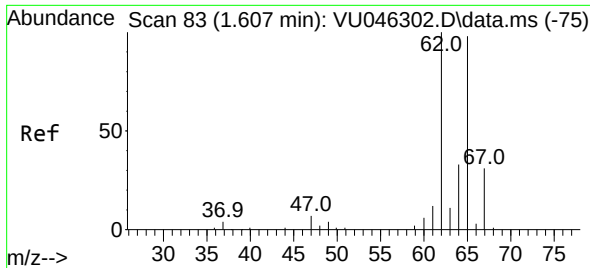
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:34:50 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)

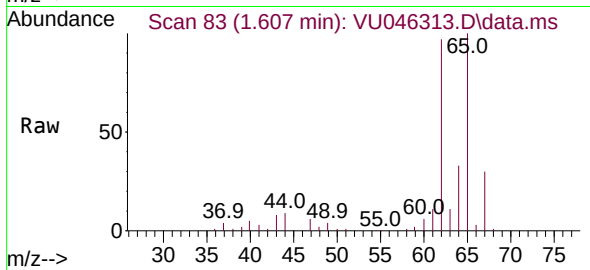
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	145535	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	154952	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	75555	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	62173	51.861	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.720%
7) Chloroethane-d5	1.919	69	44869	48.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.500%
11) 1,1-Dichloroethene-d2	2.572	63	78450	36.452	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.900%
21) 2-Butanone-d5	4.642	46	92175	96.719	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.720%
24) Chloroform-d	5.070	84	93803	46.855	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.700%
26) 1,2-Dichloroethane-d4	5.707	65	66989	49.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
32) Benzene-d6	5.732	84	204367	46.016	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.040%
36) 1,2-Dichloropropane-d6	6.694	67	63378	46.046	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.100%
41) Toluene-d8	7.899	98	174320	43.109	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
43) trans-1,3-Dichloroprop...	8.182	79	28927	43.536	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.080%
47) 2-Hexanone-d5	8.636	63	61506	94.247	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.250%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99240	47.543	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.080%
66) 1,2-Dichlorobenzene-d4	12.195	152	67498	46.389	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.780%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	48241	33.782	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	665	0.628	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	765	0.760	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	25566	24.007	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	154415	133.634	ug/L	99
25) Chloroform	5.092	83	8282	3.850	ug/L	96
27) 1,2-Dichloroethane	5.729	62	1041	0.652	ug/L #	73
35) Methylcyclohexane	6.694	83	15241	7.956	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6909	5.624	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1896	1.014	ug/L #	65
44) trans-1,3-Dichloropropene	8.182	75	1173	0.639	ug/L #	79
60) 1,2,3-Trichloropropane	11.812	75	9329	5.633	ug/L #	65

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

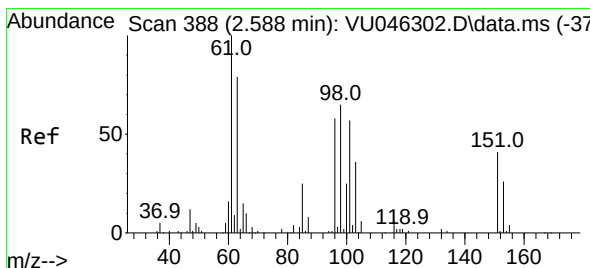
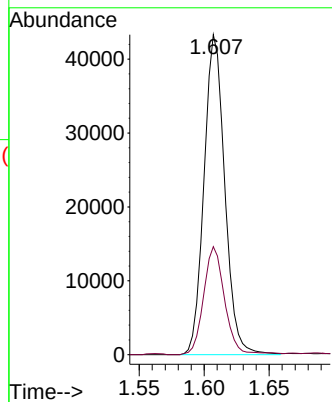
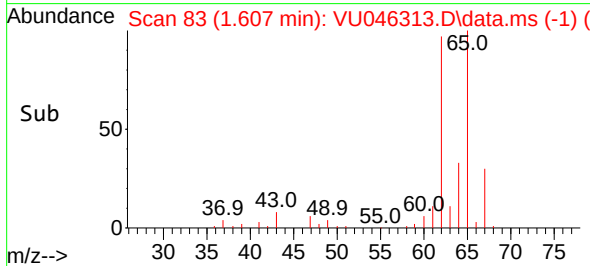


#5
 Vinyl chloride
 Concen: 33.782 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046313.D
 Acq: 13 Dec 2021 14:22

Instrument :
 MSVOA_W
 ClientSampleId :

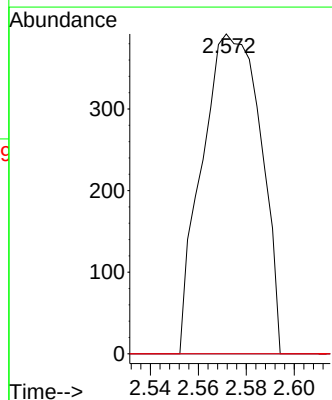
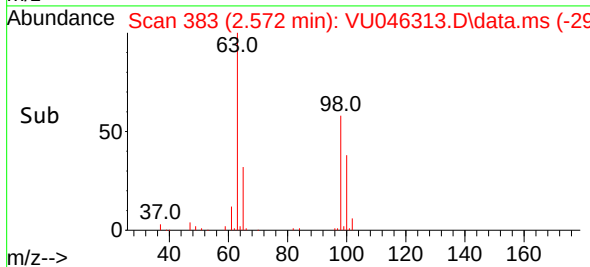
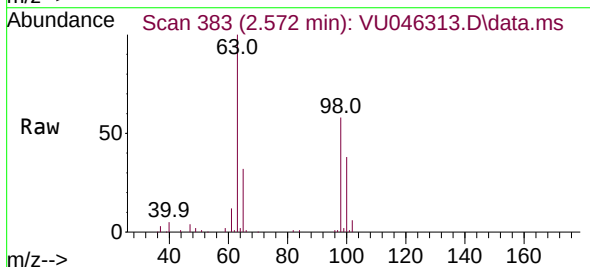


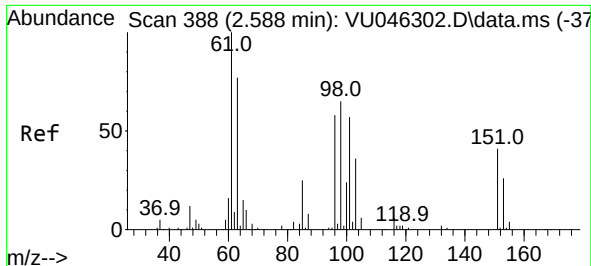
Tgt Ion: 62 Resp: 48241
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.9 42.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.628 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046313.D
 Acq: 13 Dec 2021 14:22

Tgt Ion: 101 Resp: 665
 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: 0.760 ug/L

RT: 2.572 min Scan# 388

Delta R.T. -0.016 min

Lab File: VU046313.D

Acq: 13 Dec 2021 14:22

Instrument :

MSVOA_W

ClientSampleId :

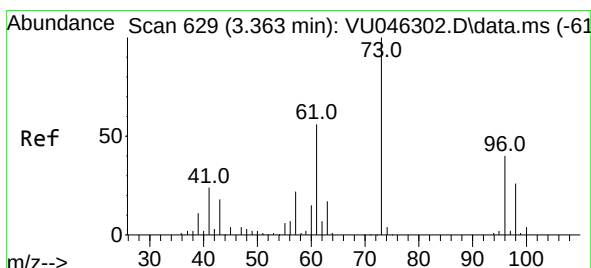
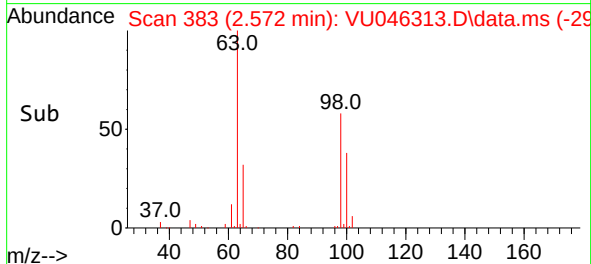
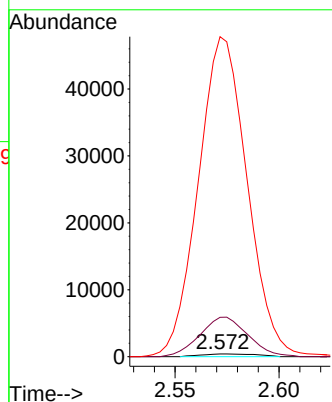
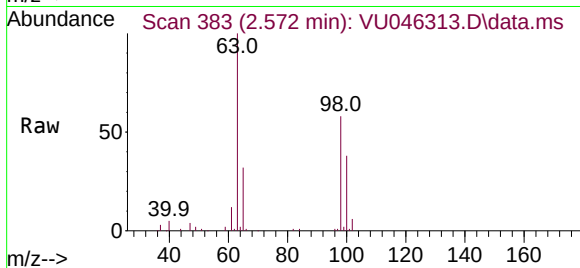
Tgt Ion: 96 Resp: 765

Ion Ratio Lower Upper

96 100

61 1414.2 118.6 220.2#

63 11496.2 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 24.007 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.003 min

Lab File: VU046313.D

Acq: 13 Dec 2021 14:22

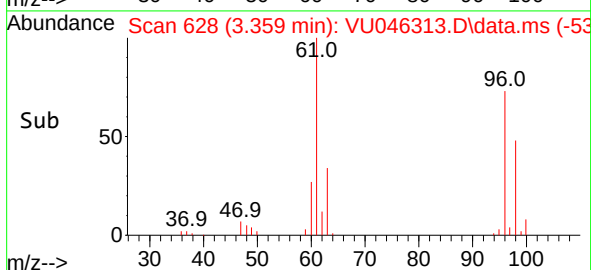
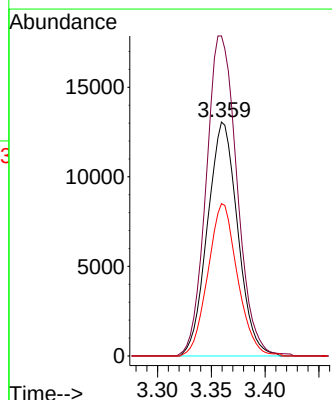
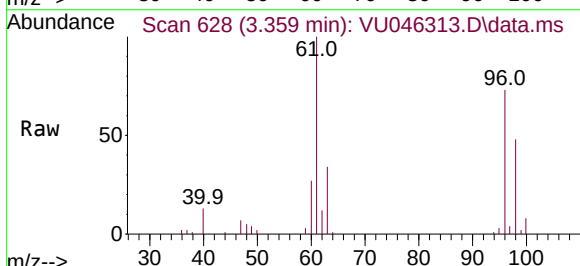
Tgt Ion: 96 Resp: 25566

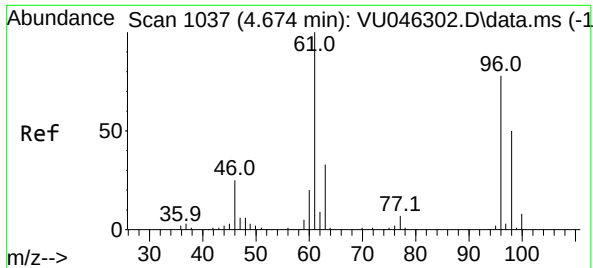
Ion Ratio Lower Upper

96 100

61 136.8 94.6 175.6

98 65.1 44.0 81.8

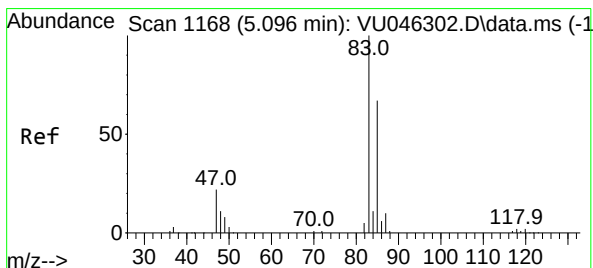
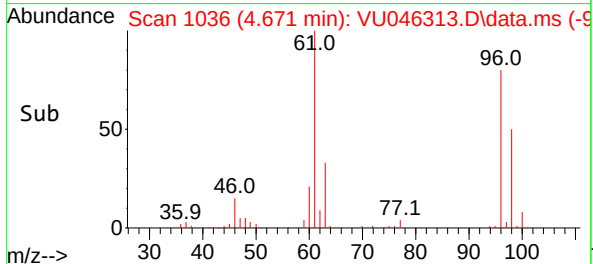
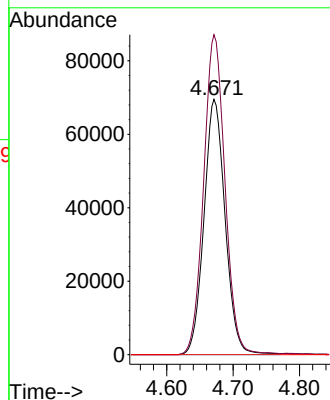
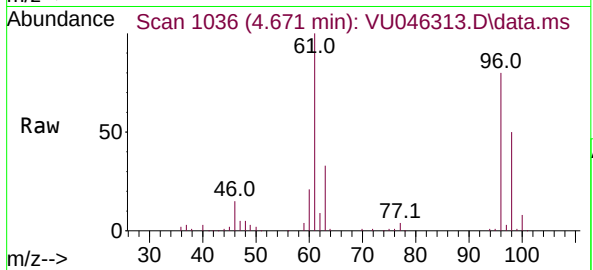




#20
 cis-1,2-Dichloroethene
 Concen: 133.634 ug/L
 RT: 4.671 min Scan# 1167
 Delta R.T. -0.003 min
 Lab File: VU046313.D
 Acq: 13 Dec 2021 14:22

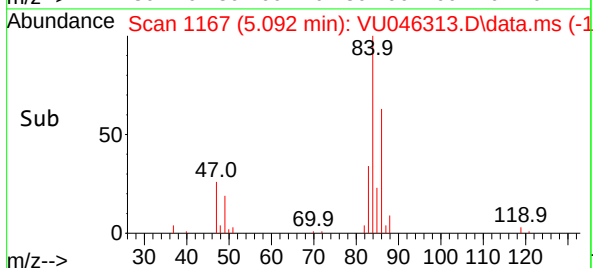
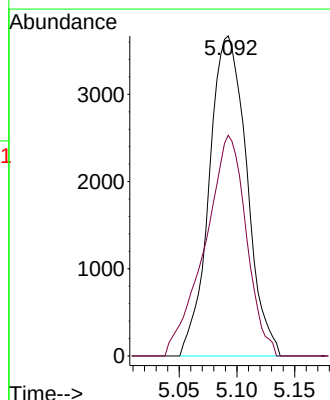
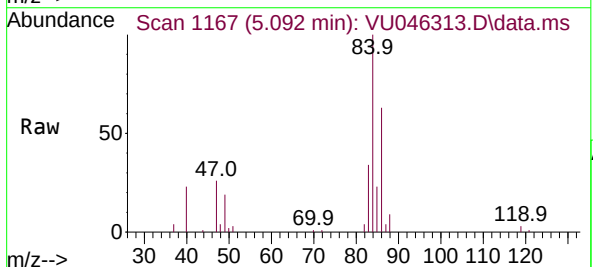
Instrument :
 MSVOA_W
 ClientSampleId :

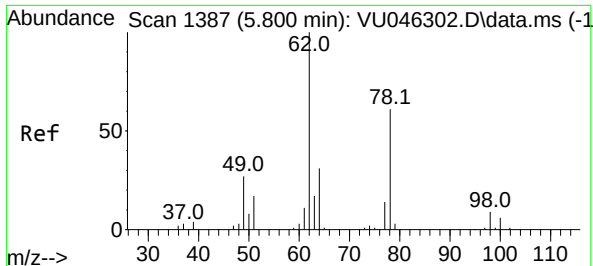
Tgt Ion: 96 Resp: 154415
 Ion Ratio Lower Upper
 96 100
 61 125.3 86.8 161.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 3.850 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. -0.003 min
 Lab File: VU046313.D
 Acq: 13 Dec 2021 14:22

Tgt Ion: 83 Resp: 8282
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.652 ug/L

RT: 5.729 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU046313.D

Acq: 13 Dec 2021 14:22

Instrument :

MSVOA_W

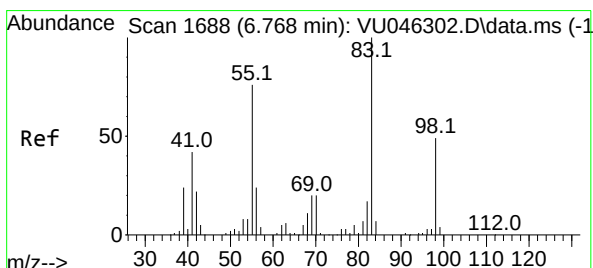
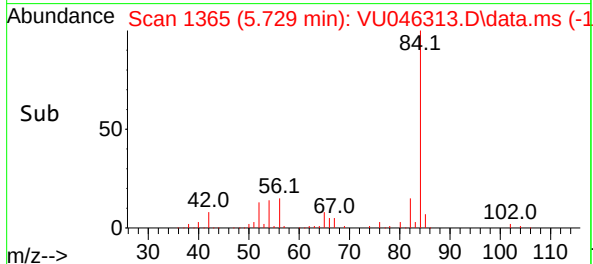
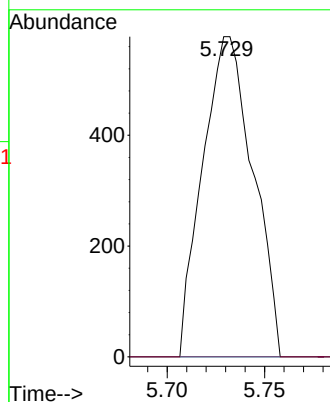
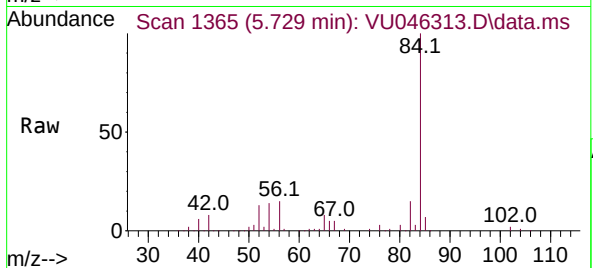
ClientSampleId :

Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 7.956 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046313.D

Acq: 13 Dec 2021 14:22

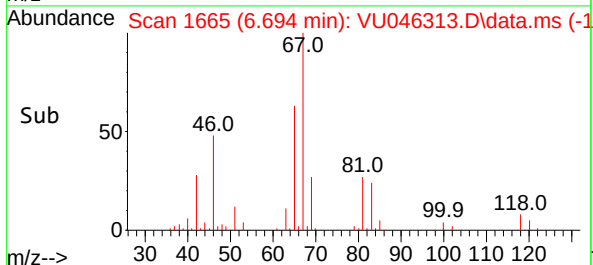
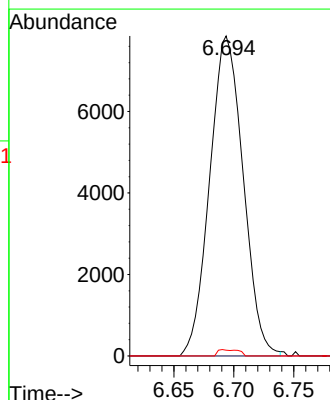
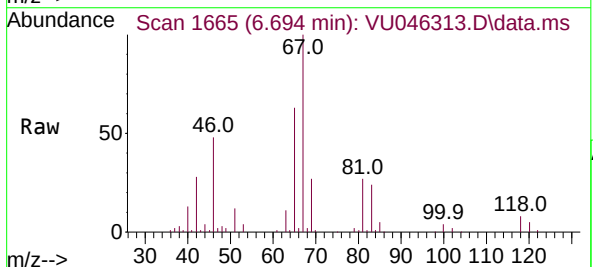
Tgt Ion: 83 Resp: 15241

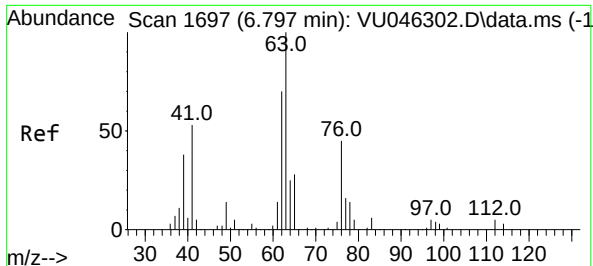
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.7 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.624 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046313.D

Acq: 13 Dec 2021 14:22

Instrument :

MSVOA_W

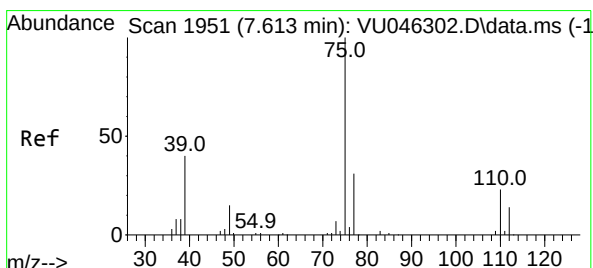
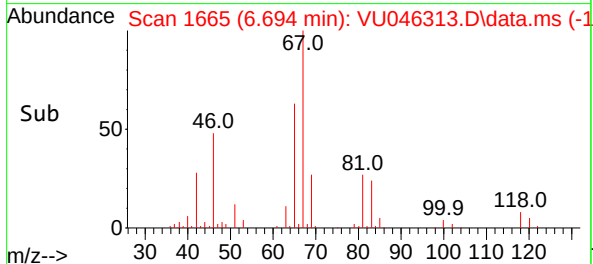
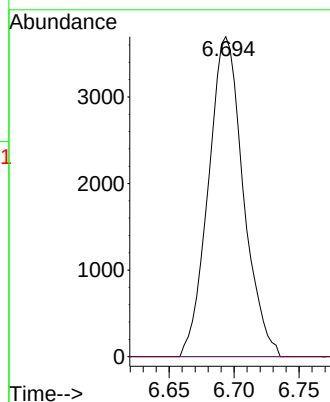
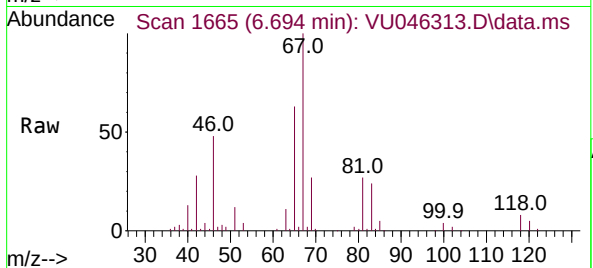
ClientSampleId :

Tgt Ion: 63 Resp: 6909

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.014 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.045 min

Lab File: VU046313.D

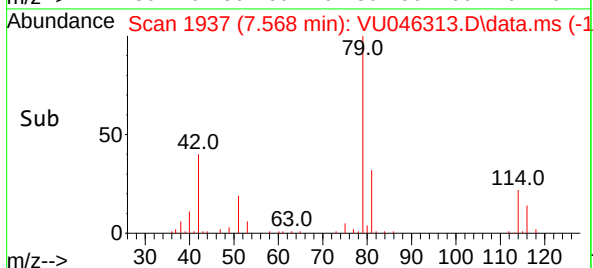
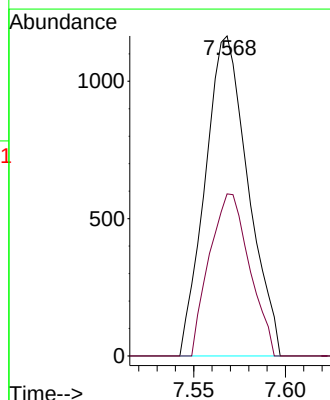
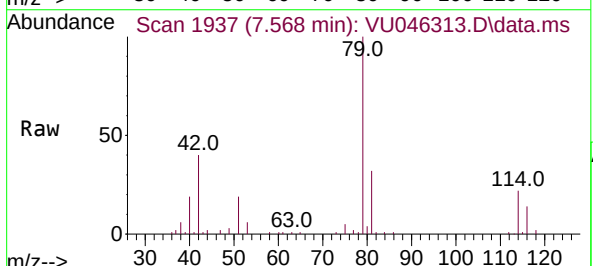
Acq: 13 Dec 2021 14:22

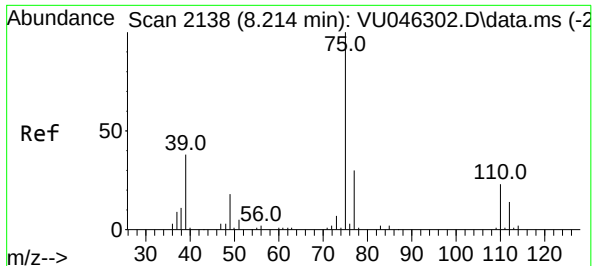
Tgt Ion: 75 Resp: 1896

Ion Ratio Lower Upper

75 100

77 50.6 21.8 40.6#

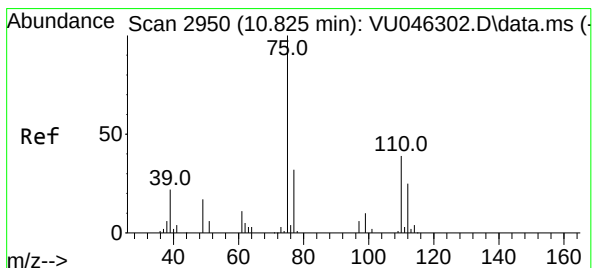
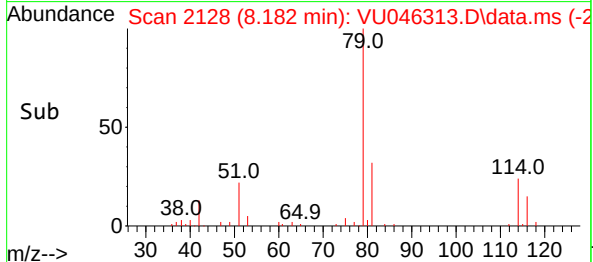
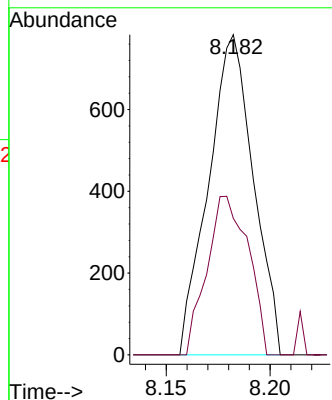
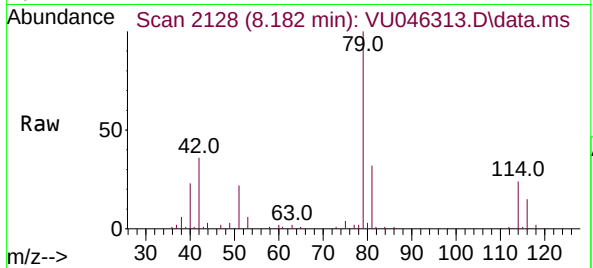




#44
trans-1,3-Dichloropropene
Concen: 0.639 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046313.D
Acq: 13 Dec 2021 14:22

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 1173
Ion Ratio Lower Upper
75 100
77 42.7 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.633 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046313.D
Acq: 13 Dec 2021 14:22

Tgt Ion: 75 Resp: 9329
Ion Ratio Lower Upper
75 100
77 34.2 26.4 39.6
110 1.8 32.4 48.6#

