

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046309.D
 Acq On : 13 Dec 2021 12:52
 Operator : SY/MD
 Sample : M4971-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:33:59 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)

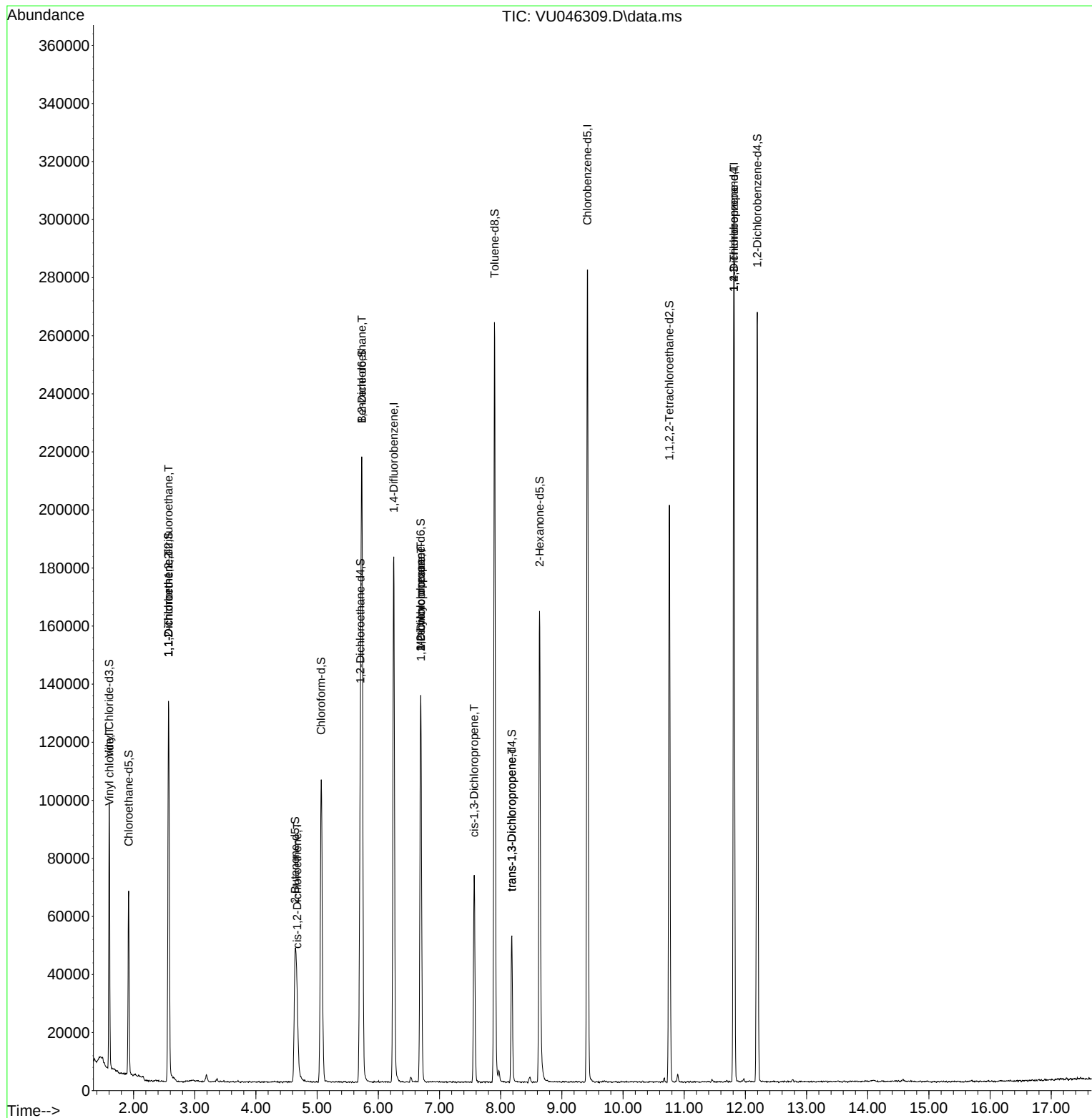
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	146053	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	155263	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	76017	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	62525	51.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.940%
7) Chloroethane-d5	1.919	69	45379	49.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.260%
11) 1,1-Dichloroethene-d2	2.572	63	78747	36.460	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.920%
21) 2-Butanone-d5	4.642	46	85696	89.601	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.600%
24) Chloroform-d	5.067	84	98289	48.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.840%
26) 1,2-Dichloroethane-d4	5.707	65	67052	49.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.460%
32) Benzene-d6	5.732	84	203499	45.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.460%
36) 1,2-Dichloropropane-d6	6.694	67	62480	45.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.600%
41) Toluene-d8	7.899	98	173675	42.864	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.720%
43) trans-1,3-Dichloroprop...	8.182	79	29367	44.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.220%
47) 2-Hexanone-d5	8.636	63	58588	89.596	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.600%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	97576	46.652	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.300%
66) 1,2-Dichlorobenzene-d4	12.195	152	68306	46.659	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.320%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	3099	2.162	ug/L #	57
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	713	0.671	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	556	0.551	ug/L #	1
20) cis-1,2-Dichloroethene	4.674	96	5858	5.052	ug/L	89
27) 1,2-Dichloroethane	5.732	62	1027	0.641	ug/L #	73
35) Methylcyclohexane	6.694	83	15361	8.002	ug/L #	20
37) 1,2-Dichloropropane	6.697	63	7151	5.809	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1807	0.965	ug/L #	75
44) trans-1,3-Dichloropropene	8.182	75	1350	0.734	ug/L #	74
60) 1,2,3-Trichloropropane	11.812	75	9545	5.728	ug/L #	65

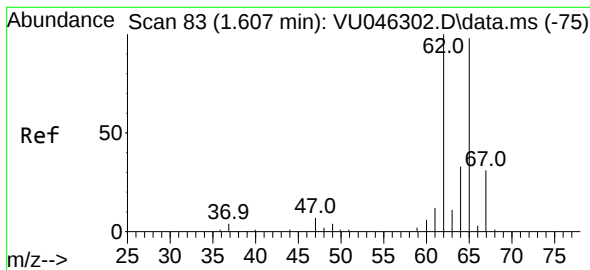
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.162 ug/L

RT: 1.607 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU046309.D

Acq: 13 Dec 2021 12:52

Instrument :

MSVOA_W

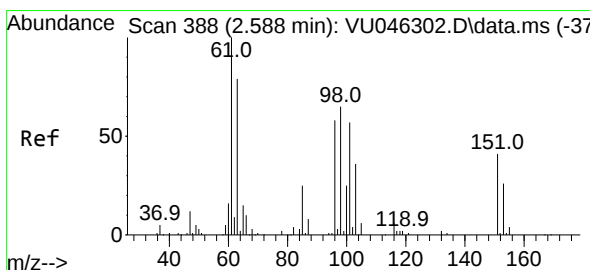
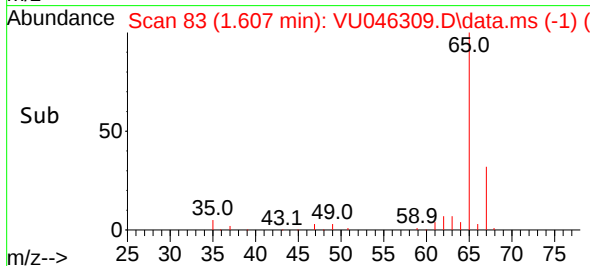
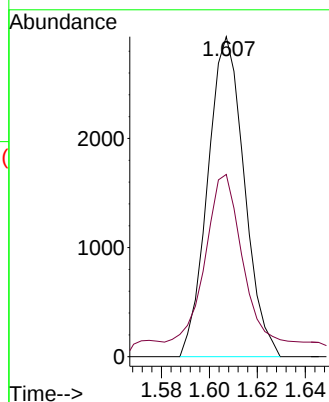
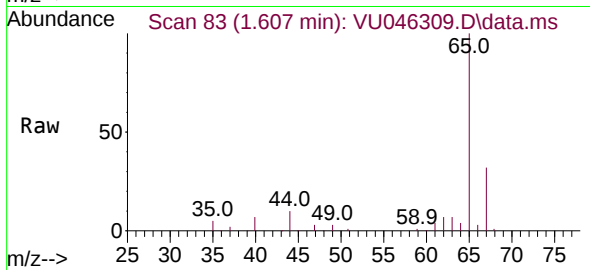
ClientSampleId :

Tgt Ion: 62 Resp: 3099

Ion Ratio Lower Upper

62 100

64 57.0 22.9 42.5#



#10

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

Concen: 0.671 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046309.D

Acq: 13 Dec 2021 12:52

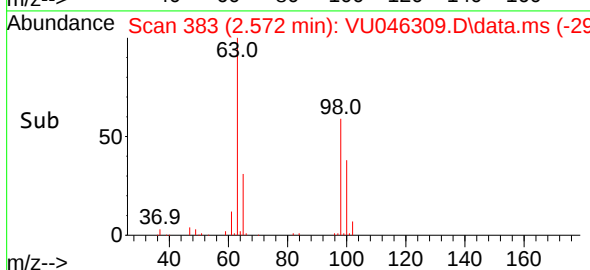
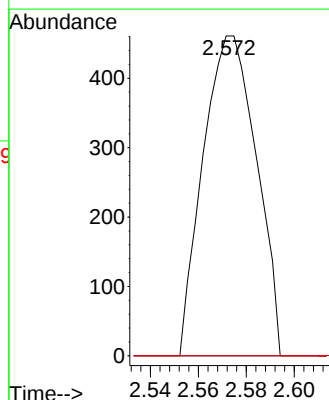
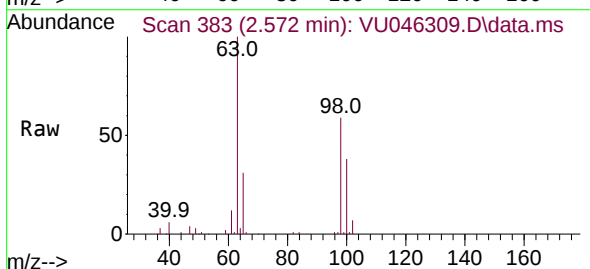
Tgt Ion: 101 Resp: 713

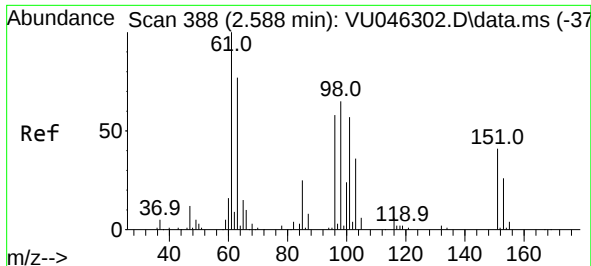
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.551 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046309.D

Acq: 13 Dec 2021 12:52

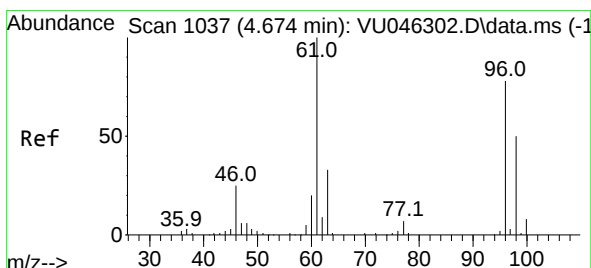
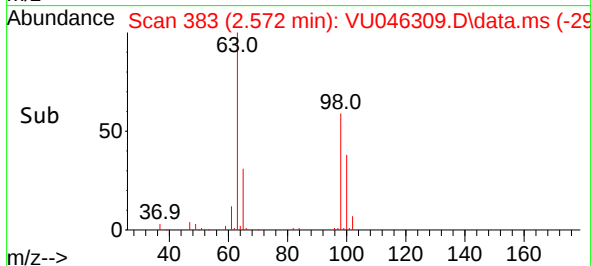
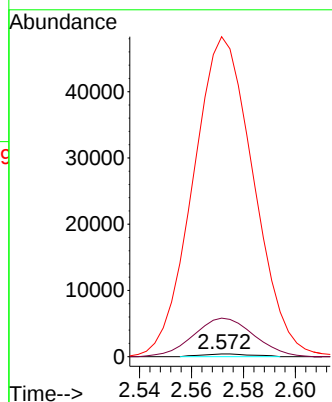
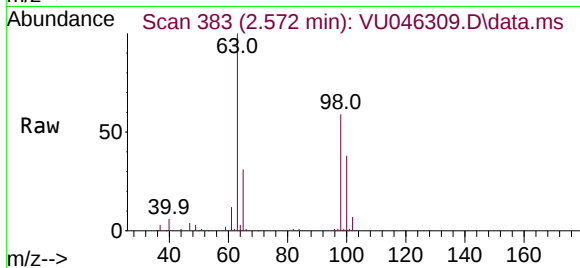
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 96 Resp: 556

Ion	Ratio	Lower	Upper
96	100		
61	1400.2	118.6	220.2#
63	11611.5	93.0	172.8#



#20

cis-1,2-Dichloroethene

Concen: 5.052 ug/L

RT: 4.674 min Scan# 1037

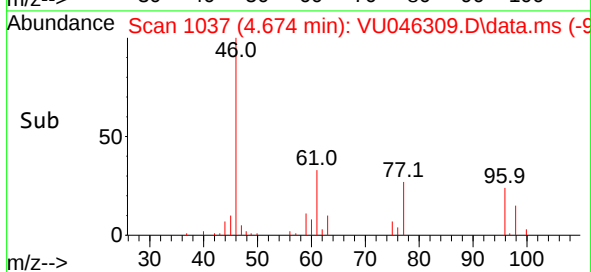
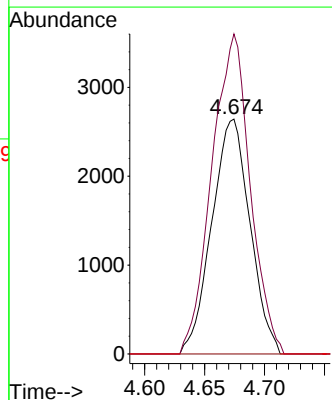
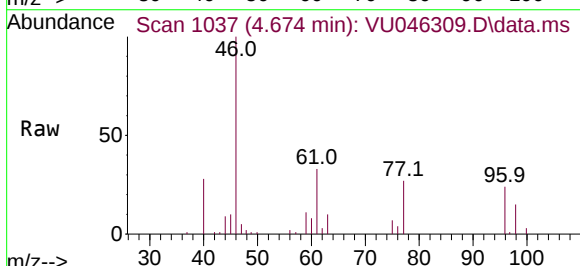
Delta R.T. -0.000 min

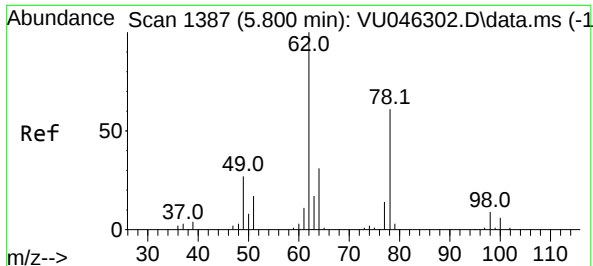
Lab File: VU046309.D

Acq: 13 Dec 2021 12:52

Tgt Ion: 96 Resp: 5858

Ion	Ratio	Lower	Upper
96	100		
61	136.2	86.8	161.2
68	0.0	0.0	0.0

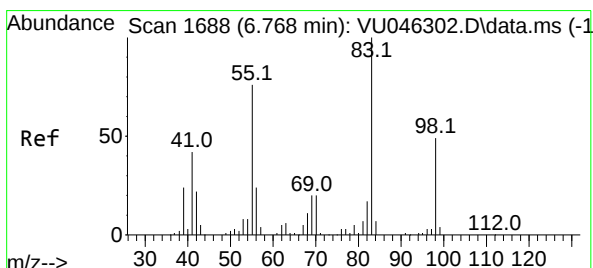
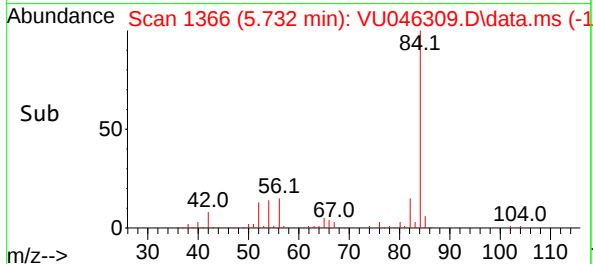
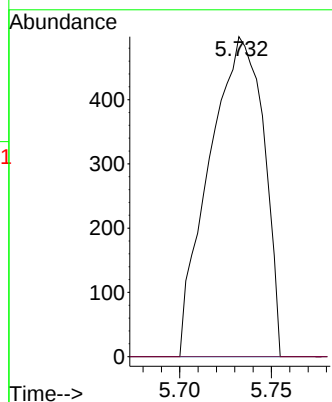
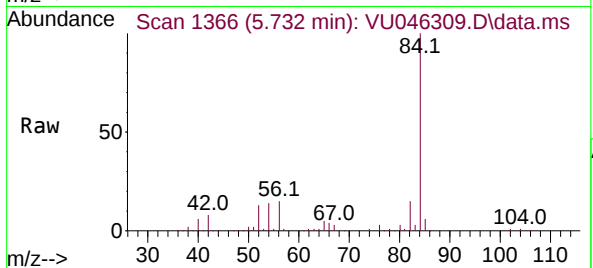




#27
1,2-Dichloroethane
Concen: 0.641 ug/L
RT: 5.732 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU046309.D
Acq: 13 Dec 2021 12:52

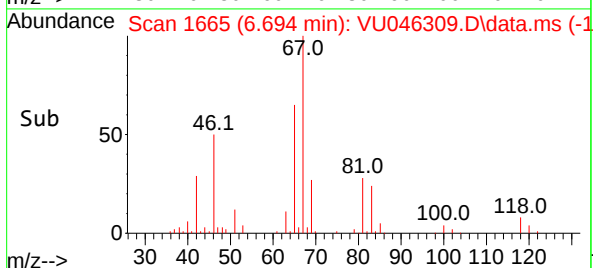
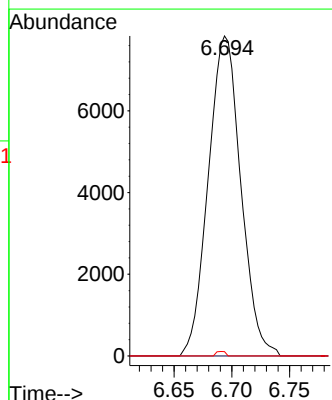
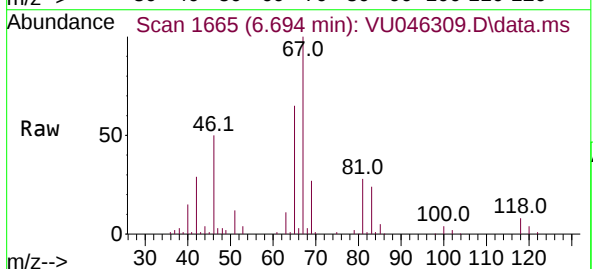
Instrument :
MSVOA_W
ClientSampleId :

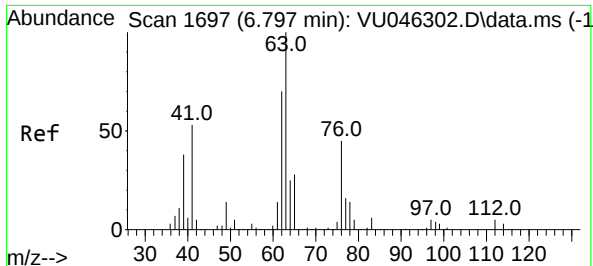
Tgt Ion: 62 Resp: 1027
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#35
Methylcyclohexane
Concen: 8.002 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046309.D
Acq: 13 Dec 2021 12:52

Tgt Ion: 83 Resp: 15361
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.4 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.809 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046309.D

Acq: 13 Dec 2021 12:52

Instrument :

MSVOA_W

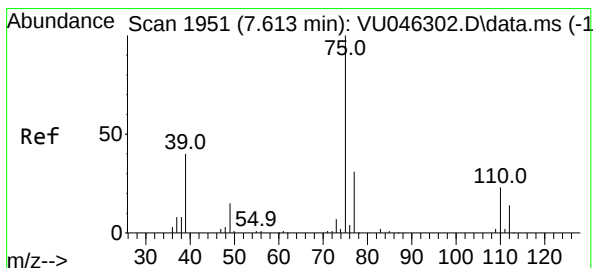
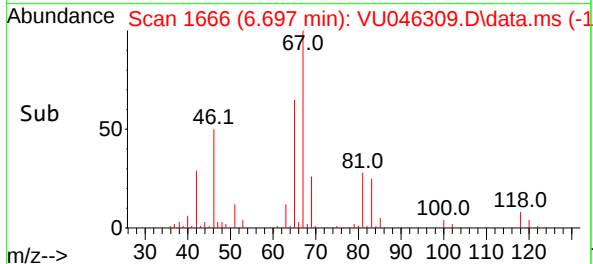
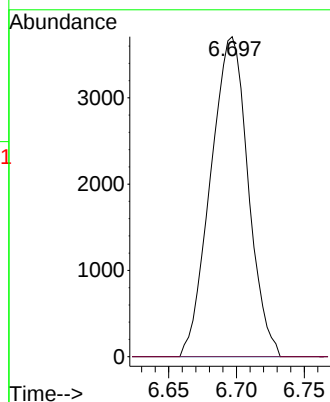
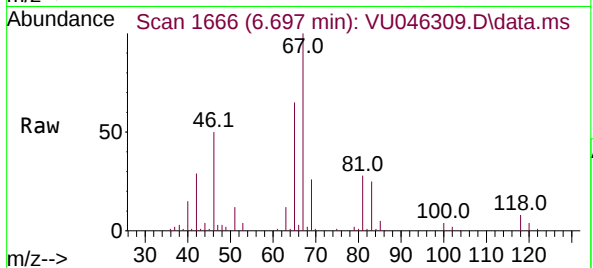
ClientSampleId :

Tgt Ion: 63 Resp: 7151

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.965 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.048 min

Lab File: VU046309.D

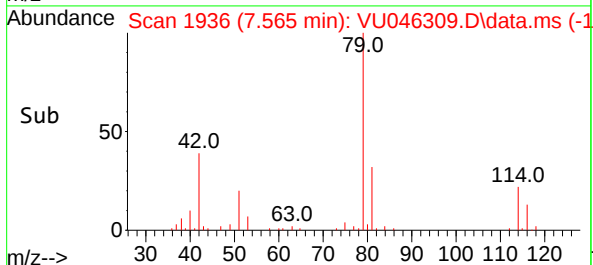
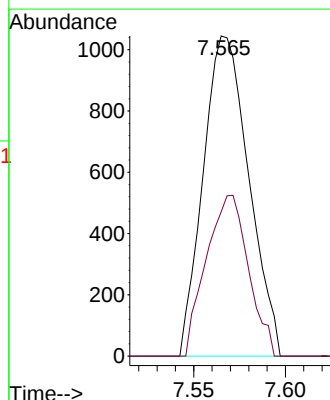
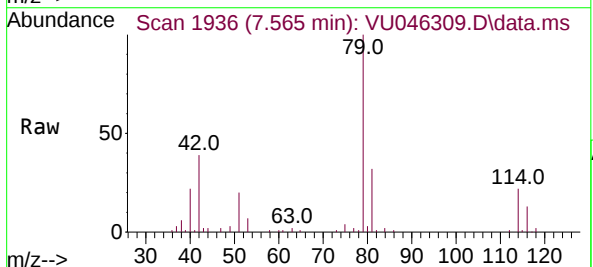
Acq: 13 Dec 2021 12:52

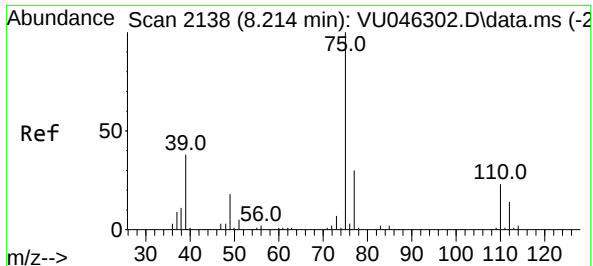
Tgt Ion: 75 Resp: 1807

Ion Ratio Lower Upper

75 100

77 45.1 21.8 40.6#

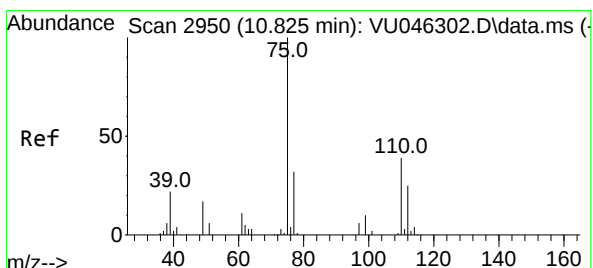
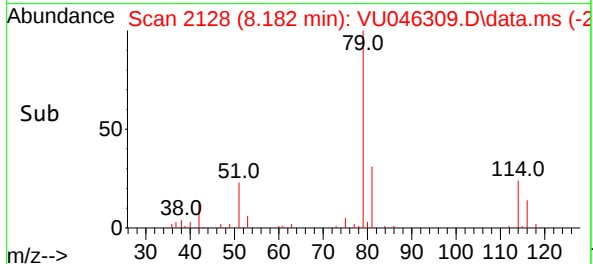
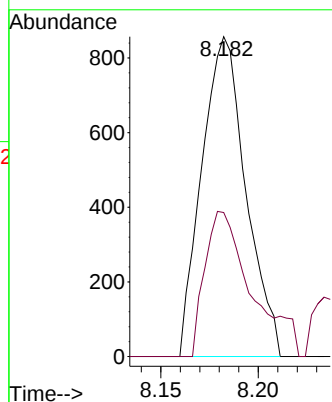
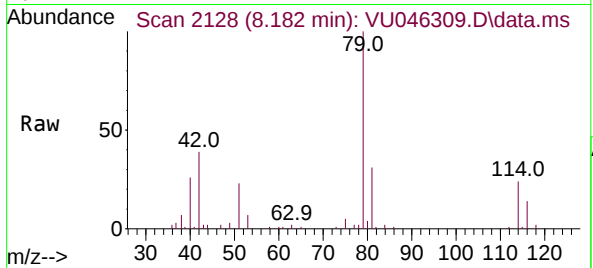




#44
trans-1,3-Dichloropropene
Concen: 0.734 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046309.D
Acq: 13 Dec 2021 12:52

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 1350
Ion Ratio Lower Upper
75 100
77 45.0 21.7 40.3#



#60
1,2,3-Trichloropropane
Concen: 5.728 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046309.D
Acq: 13 Dec 2021 12:52

Tgt Ion: 75 Resp: 9545
Ion Ratio Lower Upper
75 100
77 33.6 26.4 39.6
110 2.0 32.4 48.6#

