

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046308.D
 Acq On : 13 Dec 2021 12:30
 Operator : SY/MD
 Sample : M4971-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 02:33:46 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)

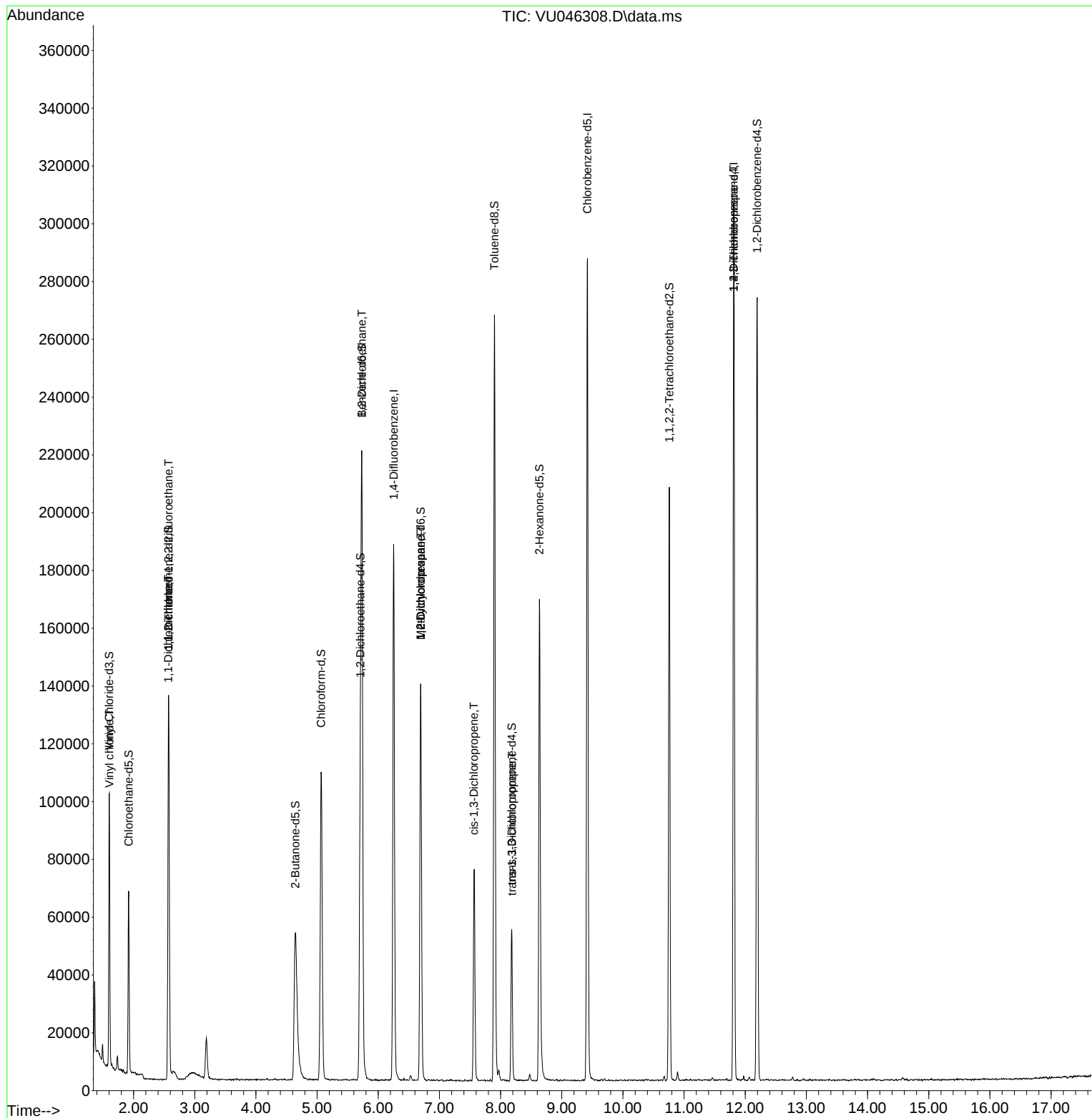
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	150395	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	157345	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77615	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	63633	51.363	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.720%
7) Chloroethane-d5	1.919	69	45402	47.731	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.460%
11) 1,1-Dichloroethene-d2	2.572	63	80632	36.255	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.520%
21) 2-Butanone-d5	4.645	46	91362	92.768	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.770%
24) Chloroform-d	5.067	84	101838	49.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.440%
26) 1,2-Dichloroethane-d4	5.706	65	68159	49.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.180%
32) Benzene-d6	5.732	84	204081	45.253	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.500%
36) 1,2-Dichloropropane-d6	6.694	67	63856	45.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.380%
41) Toluene-d8	7.899	98	174604	42.523	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.040%
43) trans-1,3-Dichloroprop...	8.182	79	29877	44.282	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
47) 2-Hexanone-d5	8.636	63	61090	92.186	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.190%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99463	46.925	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	67870	45.406	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%
Target Compounds						
5) Vinyl chloride	1.607	62	3911	2.650	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	713	0.652	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	458	0.440	ug/L #	1
27) 1,2-Dichloroethane	5.732	62	1093	0.663	ug/L #	73
35) Methylcyclohexane	6.694	83	15431	7.933	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7263	5.822	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1904	1.003	ug/L #	65
44) trans-1,3-Dichloropropene	8.185	75	1290	0.692	ug/L	89
60) 1,2,3-Trichloropropane	11.812	75	9467	5.564	ug/L #	65

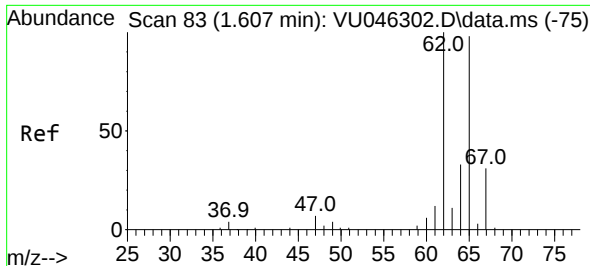
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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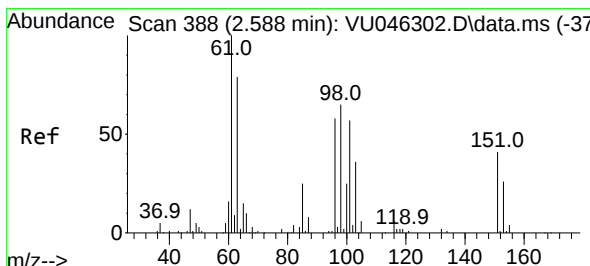
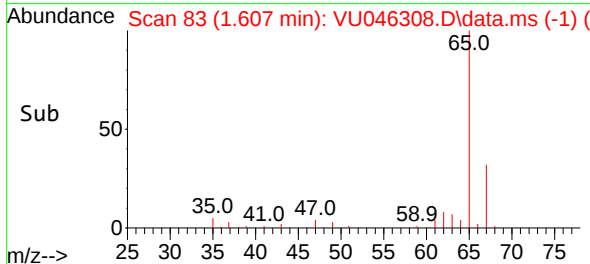
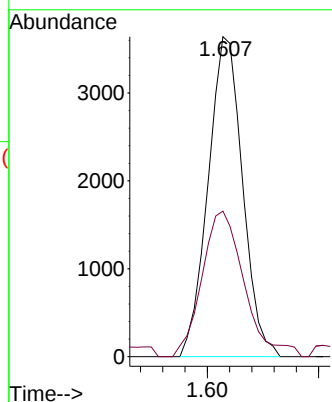
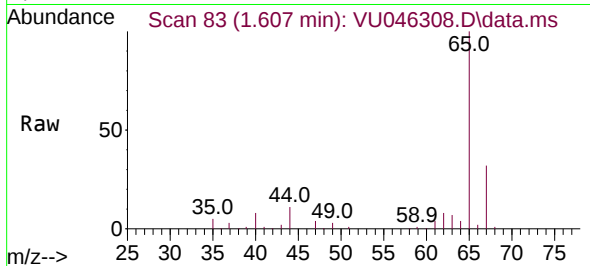




#5
 Vinyl chloride
 Concen: 2.650 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU046308.D
 Acq: 13 Dec 2021 12:30

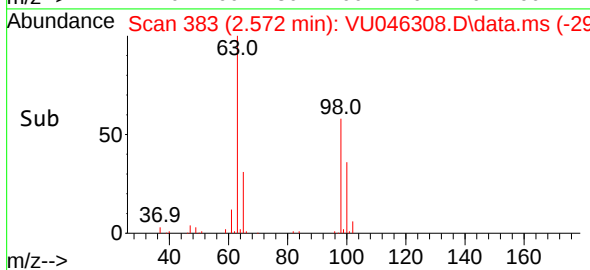
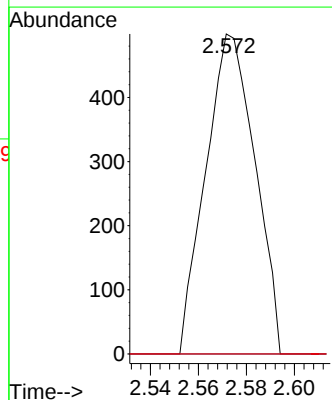
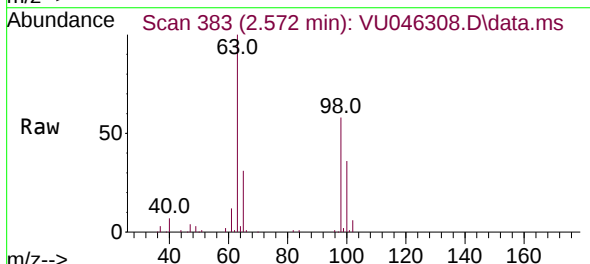
Instrument :
 MSVOA_W
 ClientSampleId :

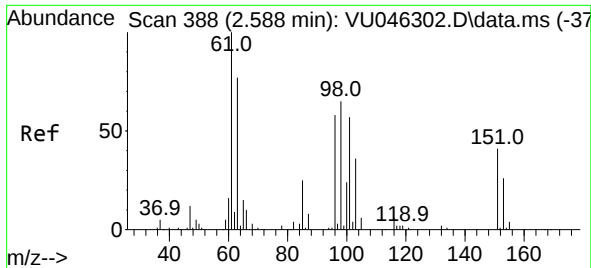
Tgt Ion: 62 Resp: 3911
 Ion Ratio Lower Upper
 62 100
 64 45.5 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.652 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046308.D
 Acq: 13 Dec 2021 12:30

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: 0.440 ug/L

RT: 2.568 min Scan# 31

Delta R.T. -0.019 min

Lab File: VU046308.D

Acq: 13 Dec 2021 12:30

Instrument :

MSVOA_W

ClientSampleId :

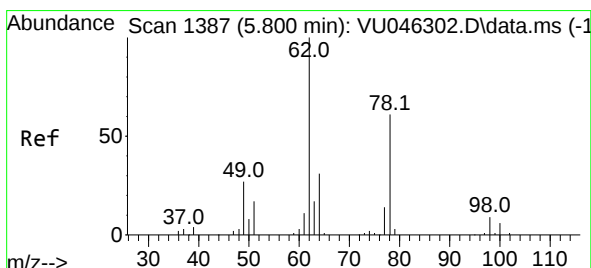
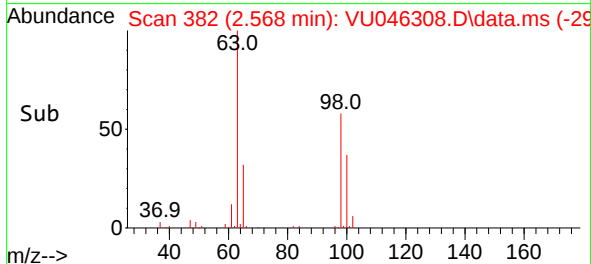
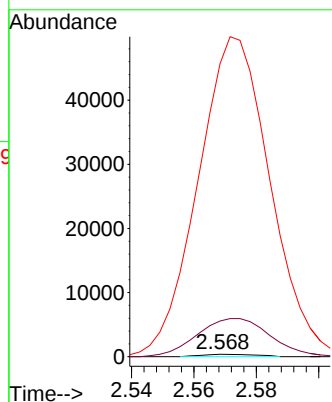
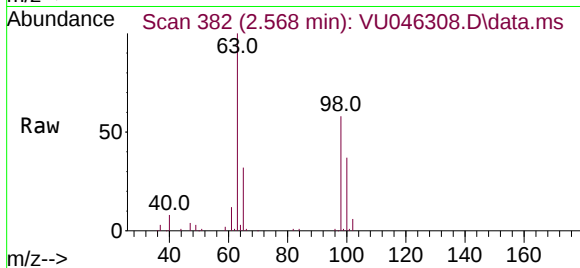
Tgt Ion: 96 Resp: 458

Ion Ratio Lower Upper

96 100

61 1499.2 118.6 220.2#

63 12312.7 93.0 172.8#



#27

1,2-Dichloroethane

Concen: 0.663 ug/L

RT: 5.732 min Scan# 1366

Delta R.T. -0.068 min

Lab File: VU046308.D

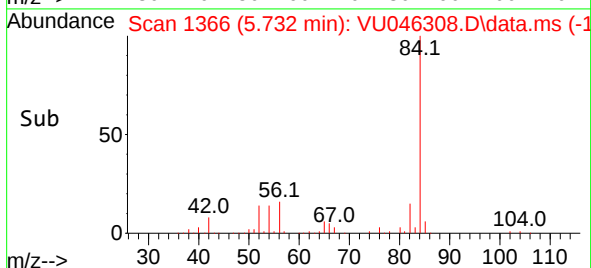
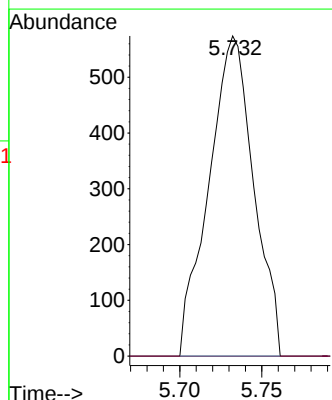
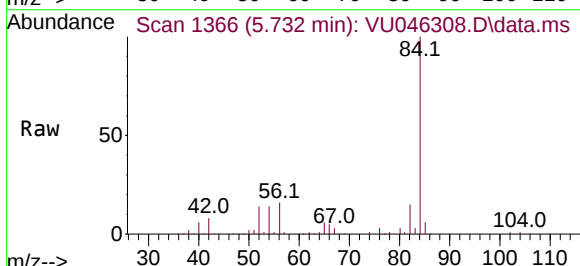
Acq: 13 Dec 2021 12:30

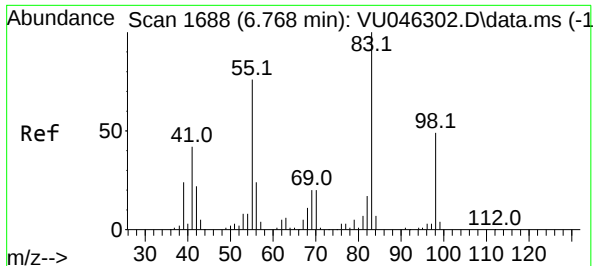
Tgt Ion: 62 Resp: 1093

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#

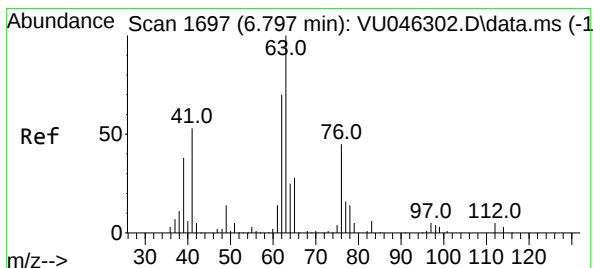
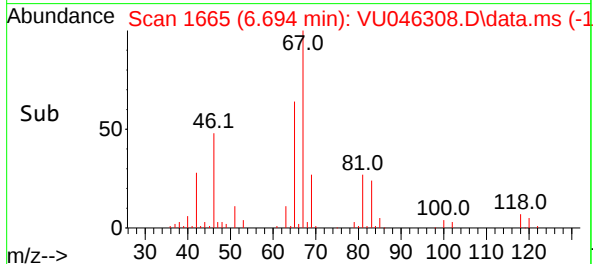
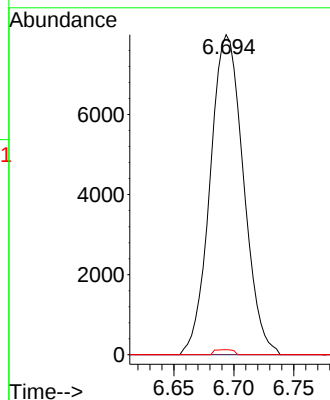
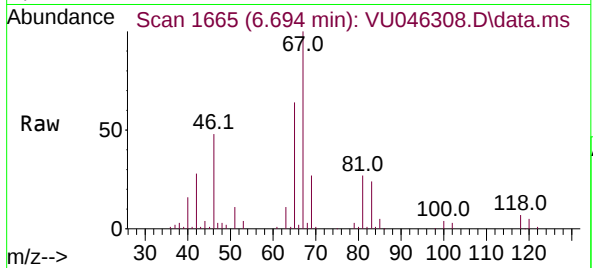




#35
Methylcyclohexane
Concen: 7.933 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046308.D
Acq: 13 Dec 2021 12:30

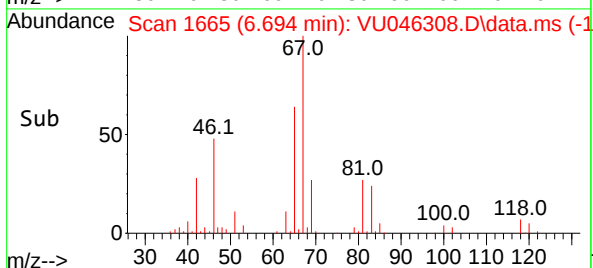
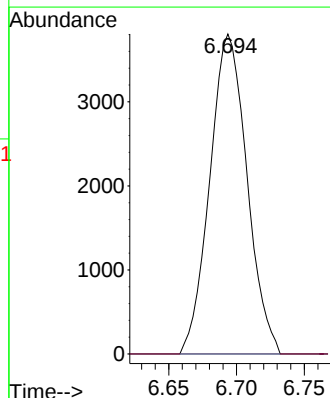
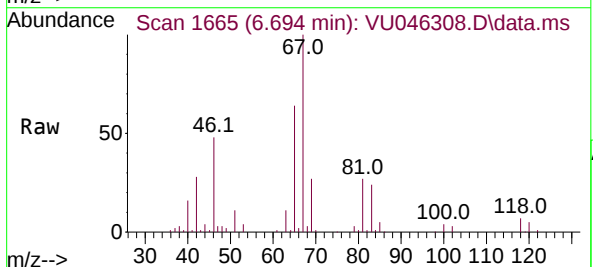
Instrument :
MSVOA_W
ClientSampleId :

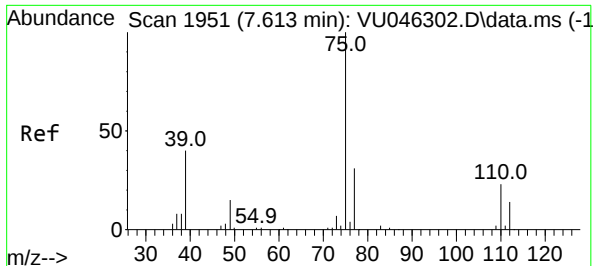
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	1.1	38.4	57.6#



#37
1,2-Dichloropropane
Concen: 5.822 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046308.D
Acq: 13 Dec 2021 12:30

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.003 ug/L

RT: 7.565 min Scan# 1951

Delta R.T. -0.048 min

Lab File: VU046308.D

Acq: 13 Dec 2021 12:30

Instrument :

MSVOA_W

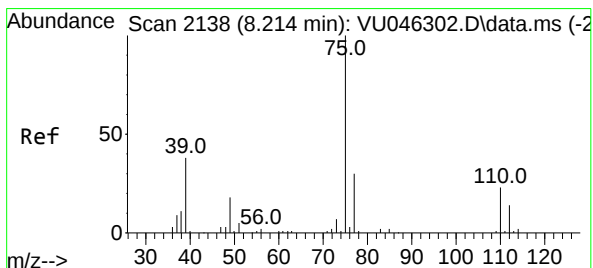
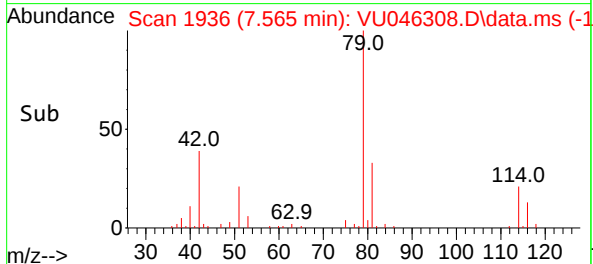
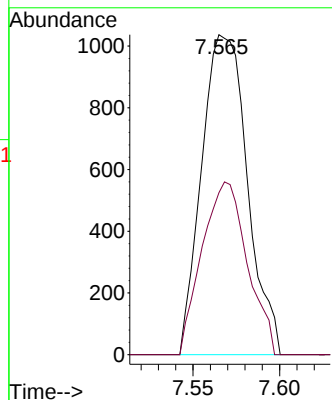
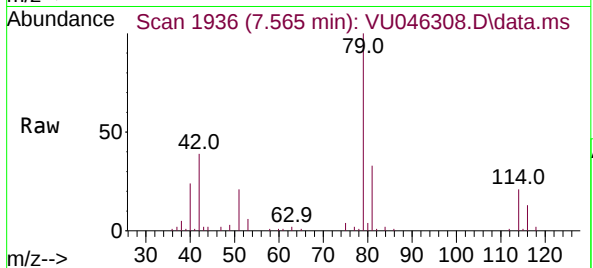
ClientSampleId :

Tgt Ion: 75 Resp: 1904

Ion Ratio Lower Upper

75 100

77 50.6 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.692 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.029 min

Lab File: VU046308.D

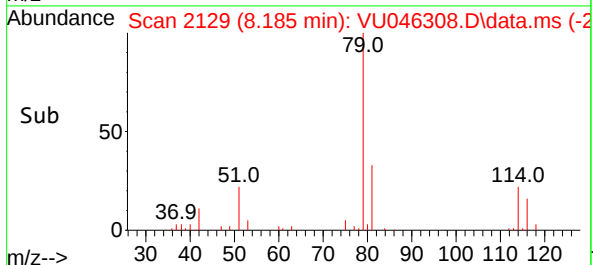
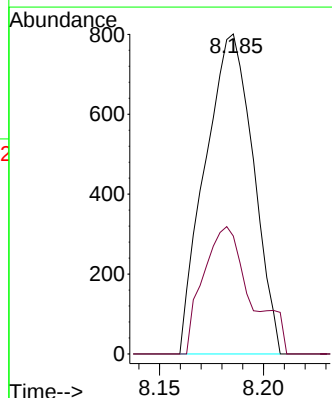
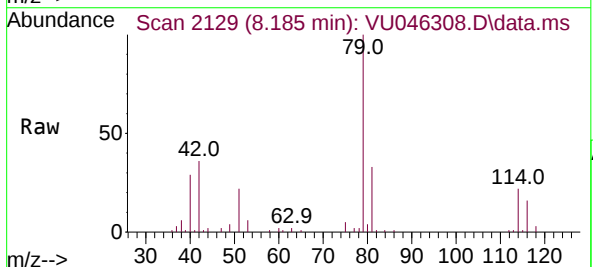
Acq: 13 Dec 2021 12:30

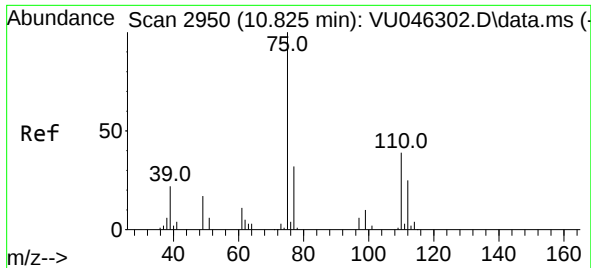
Tgt Ion: 75 Resp: 1290

Ion Ratio Lower Upper

75 100

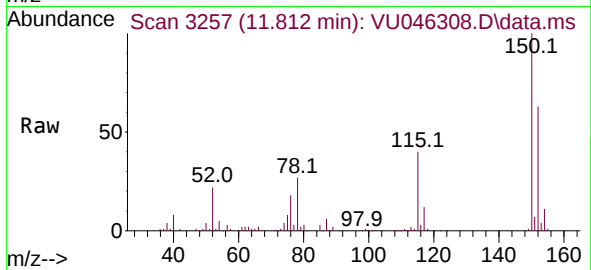
77 36.8 21.7 40.3





#60
 1,2,3-Trichloropropane
 Concen: 5.564 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046308.D
 Acq: 13 Dec 2021 12:30

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 9467
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6
 110 1.4 32.4 48.6#

