

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046331.D
 Acq On : 13 Dec 2021 21:12
 Operator : SY/MD
 Sample : M5023-01ME
 Misc : 6.31g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 14 03:43:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

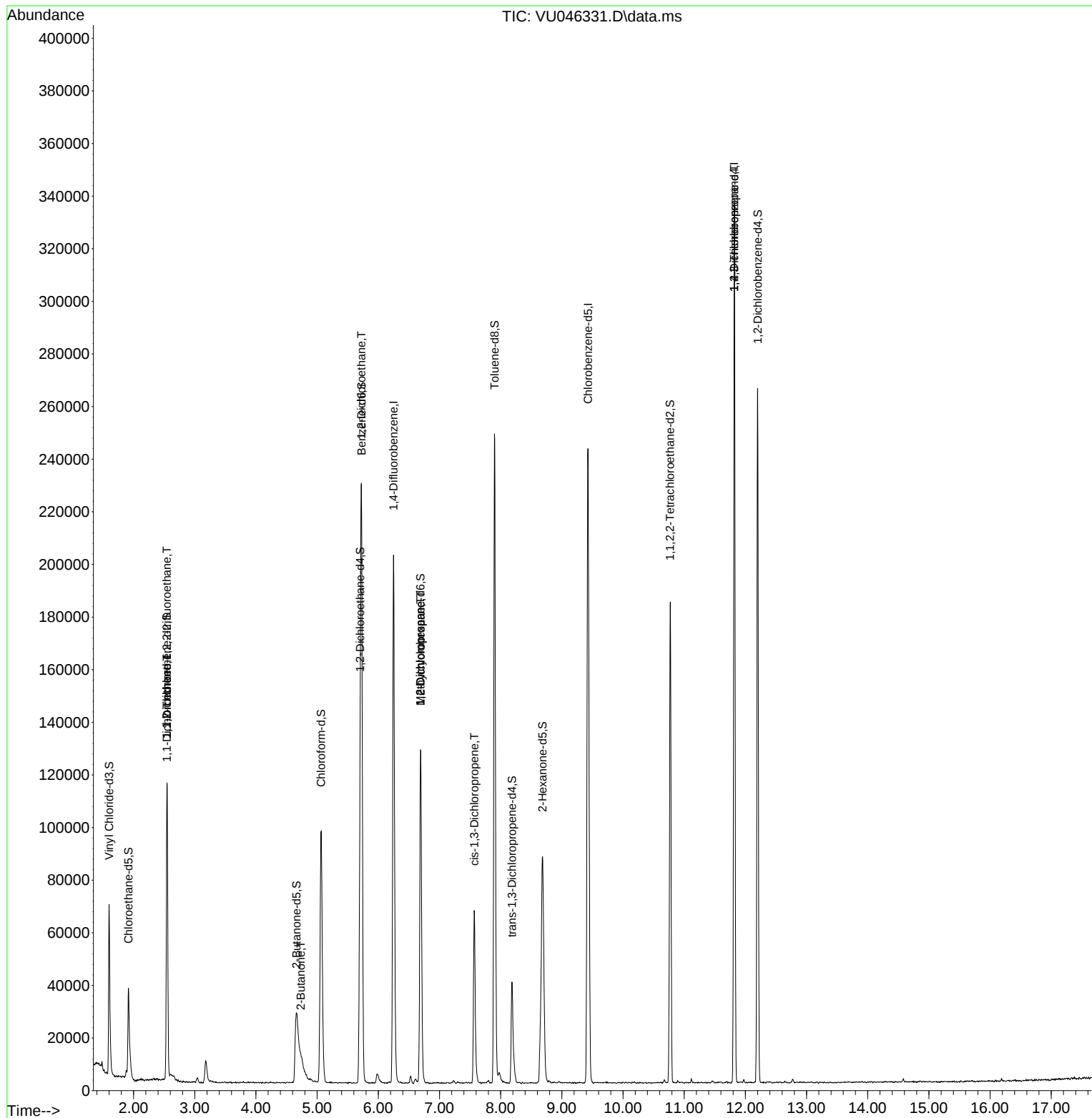
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	174978	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	181017	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	86509	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	58114	40.318	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.640%		
7) Chloroethane-d5	1.916	69	37192	33.607	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.220%#		
11) 1,1-Dichloroethene-d2	2.546	63	69613	26.903	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.800%#		
21) 2-Butanone-d5	4.661	46	81287	70.942	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	70.940%		
24) Chloroform-d	5.063	84	98510	40.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.860%		
26) 1,2-Dichloroethane-d4	5.703	65	69319	42.912	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.820%		
32) Benzene-d6	5.726	84	205177	39.546	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.100%		
36) 1,2-Dichloropropane-d6	6.690	67	64148	39.895	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	79.780%		
41) Toluene-d8	7.899	98	179448	37.987	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	75.980%#		
43) trans-1,3-Dichloroprop...	8.185	79	30689	39.537	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.080%		
47) 2-Hexanone-d5	8.684	63	57397	75.287	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery =	75.290%		
56) 1,1,2,2-Tetrachloroeth...	10.770	84	94082	38.582	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	77.160%		
66) 1,2-Dichlorobenzene-d4	12.201	152	66778	40.083	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.160%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	457	0.359	ug/L #	21
12) 1,1-Dichloroethene	2.543	96	593	0.490	ug/L #	1
22) 2-Butanone	4.735	43	3270	2.098	ug/L	91
27) 1,2-Dichloroethane	5.722	62	1041	0.542	ug/L #	73
35) Methylcyclohexane	6.690	83	15575	6.960	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	7481	5.213	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2091	0.958	ug/L #	75
60) 1,2,3-Trichloropropane	11.819	75	10521	5.548	ug/L #	65

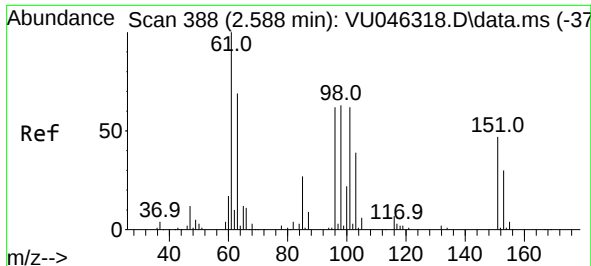
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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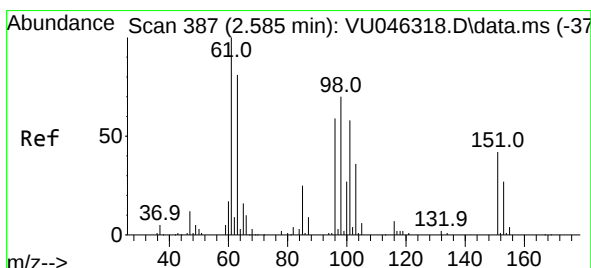
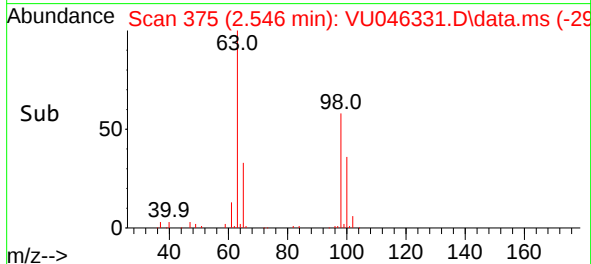
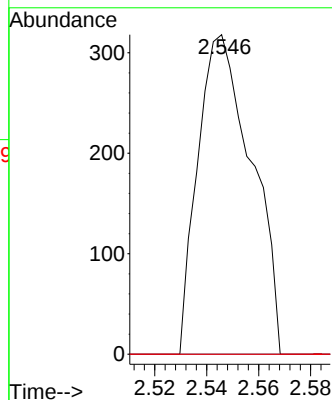
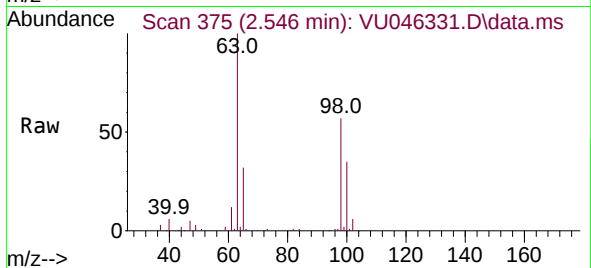




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.359 ug/L
RT: 2.546 min Scan# 31
Delta R.T. -0.042 min
Lab File: VU046331.D
Acq: 13 Dec 2021 21:12

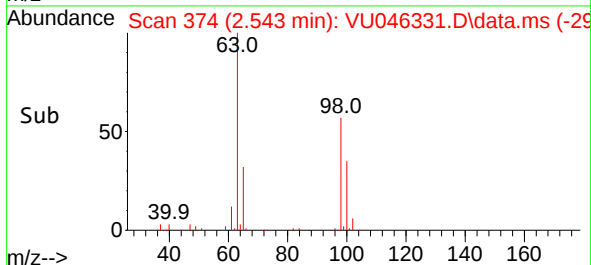
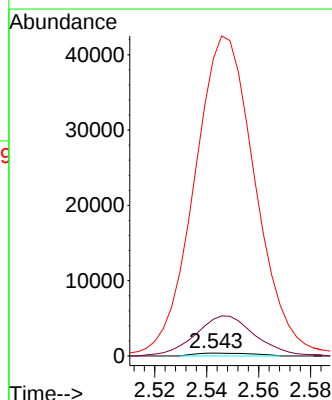
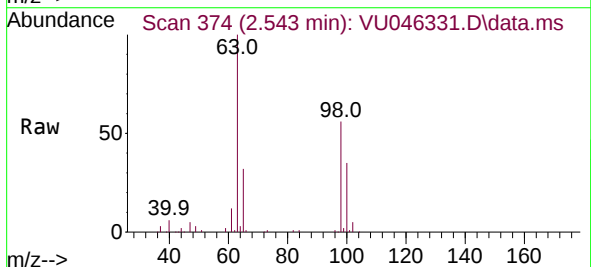
Instrument :
MSVOA_W
ClientSampleId :

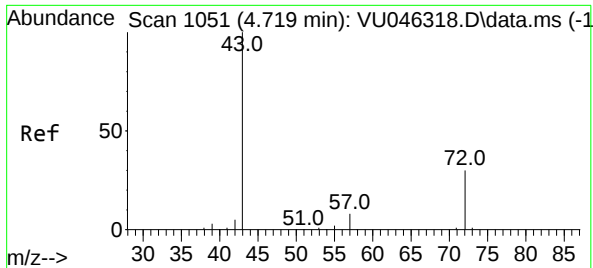
Tgt Ion:101 Resp: 457
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 0.490 ug/L
RT: 2.543 min Scan# 374
Delta R.T. -0.042 min
Lab File: VU046331.D
Acq: 13 Dec 2021 21:12

Tgt Ion: 96 Resp: 593
Ion Ratio Lower Upper
96 100
61 1293.9 118.6 220.2#
63 10500.0 93.0 172.8#





#22

2-Butanone

Concen: 2.098 ug/L

RT: 4.735 min Scan# 1056

Delta R.T. 0.016 min

Lab File: VU046331.D

Acq: 13 Dec 2021 21:12

Instrument :

MSVOA_W

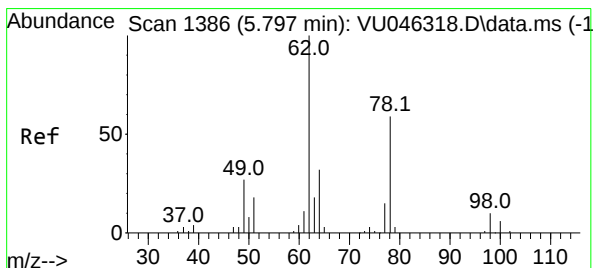
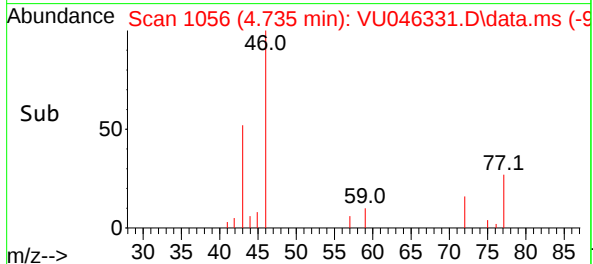
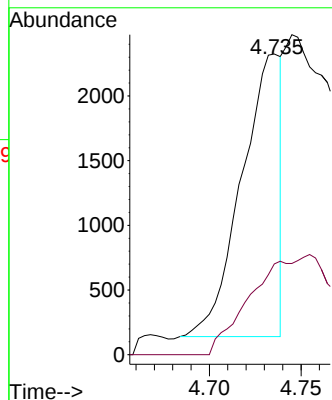
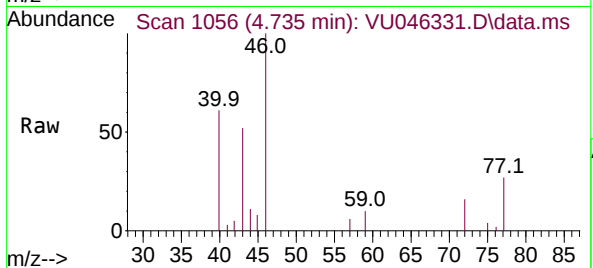
ClientSampleId :

Tgt Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

72 33.8 14.5 43.6



#27

1,2-Dichloroethane

Concen: 0.542 ug/L

RT: 5.722 min Scan# 1363

Delta R.T. -0.074 min

Lab File: VU046331.D

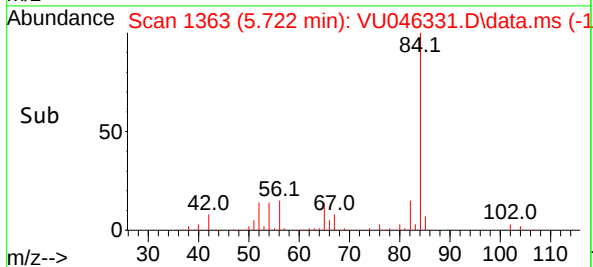
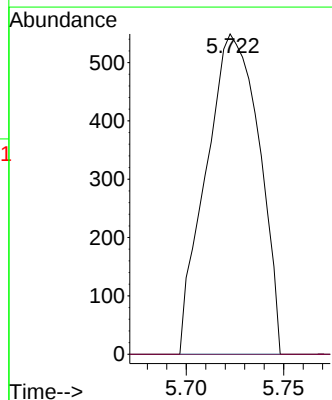
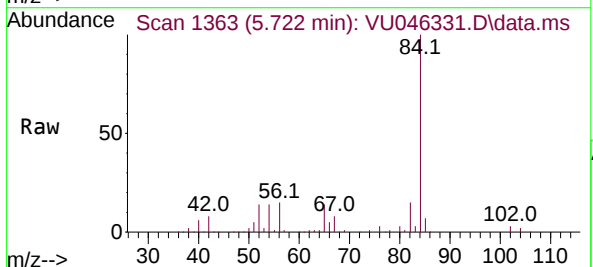
Acq: 13 Dec 2021 21:12

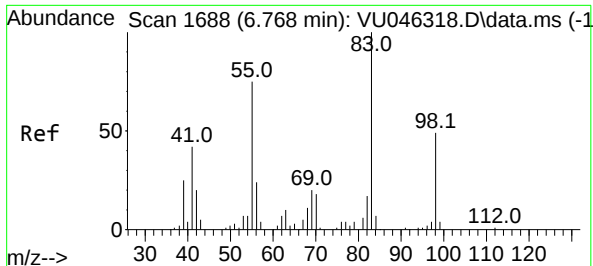
Tgt Ion: 62 Resp: 1041

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#





#35

Methylcyclohexane

Concen: 6.960 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU046331.D

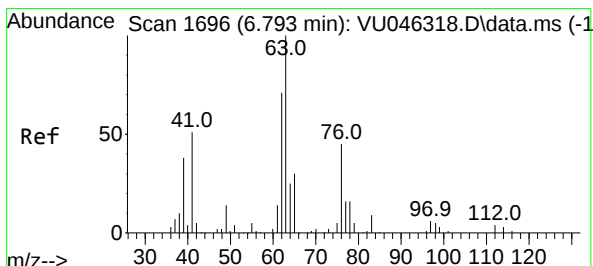
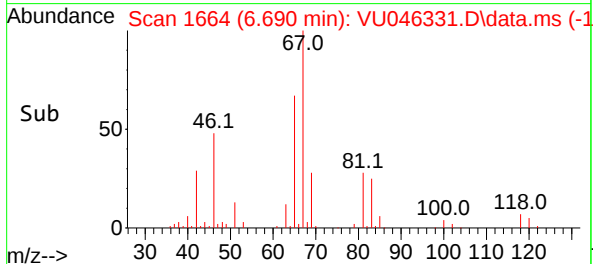
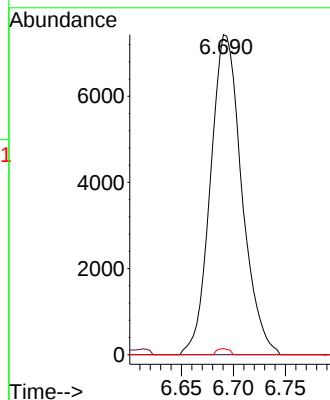
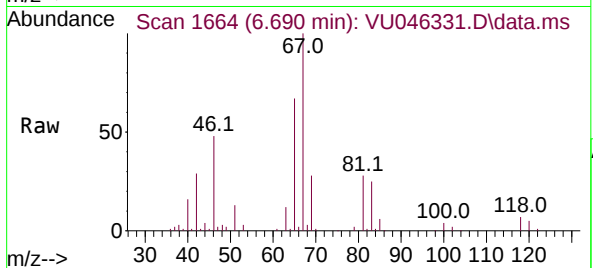
Acq: 13 Dec 2021 21:12

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 15575
Ion Ratio	Lower Upper
83	100
55	0.0 57.8 86.6#
98	0.8 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.213 ug/L

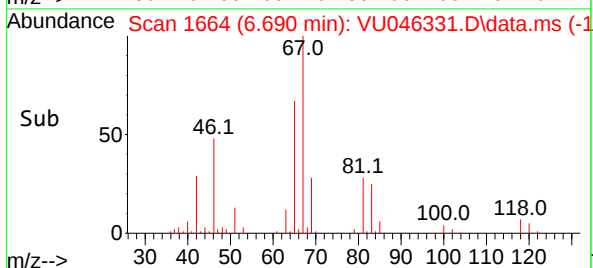
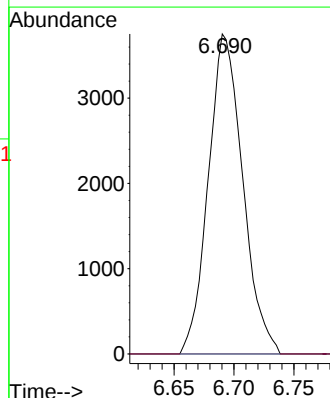
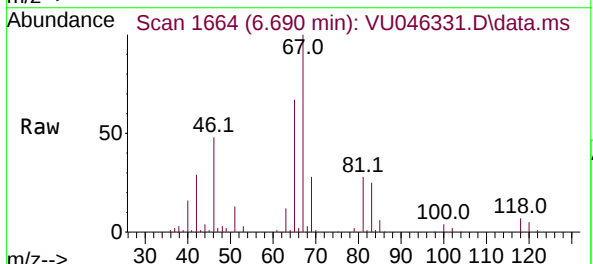
RT: 6.690 min Scan# 1664

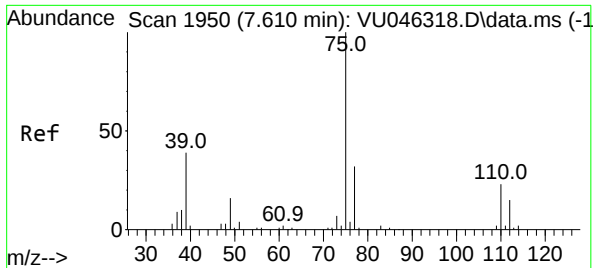
Delta R.T. -0.103 min

Lab File: VU046331.D

Acq: 13 Dec 2021 21:12

Tgt Ion: 63	Resp: 7481
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.958 ug/L

RT: 7.568 min Scan# 11

Delta R.T. -0.042 min

Lab File: VU046331.D

Acq: 13 Dec 2021 21:12

Instrument :

MSVOA_W

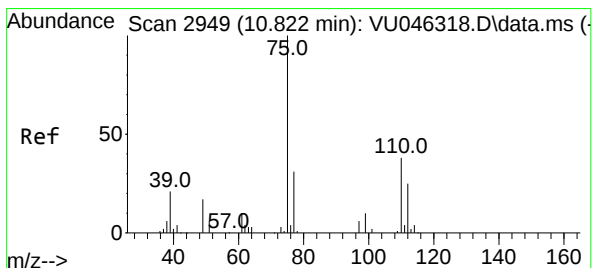
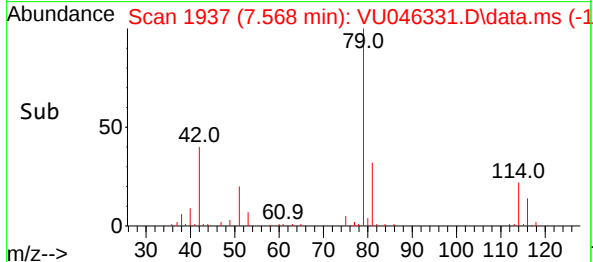
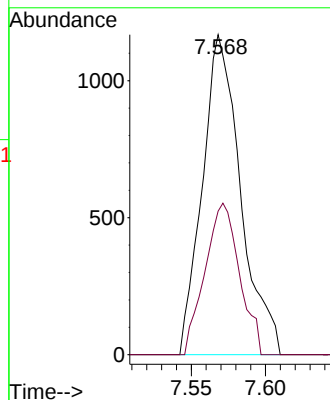
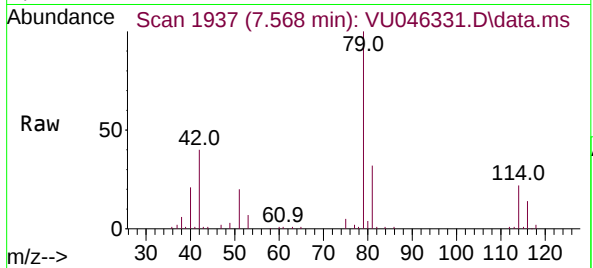
ClientSampleId :

Tgt Ion: 75 Resp: 2091

Ion Ratio Lower Upper

75 100

77 44.9 21.8 40.6#



#60

1,2,3-Trichloropropane

Concen: 5.548 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.997 min

Lab File: VU046331.D

Acq: 13 Dec 2021 21:12

Tgt Ion: 75 Resp: 10521

Ion Ratio Lower Upper

75 100

77 34.5 26.4 39.6

110 2.6 32.4 48.6#

