

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046250.D
 Acq On : 10 Dec 2021 02:54
 Operator : SY/MD
 Sample : M4982-15
 Misc : 5.6mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 05:26:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

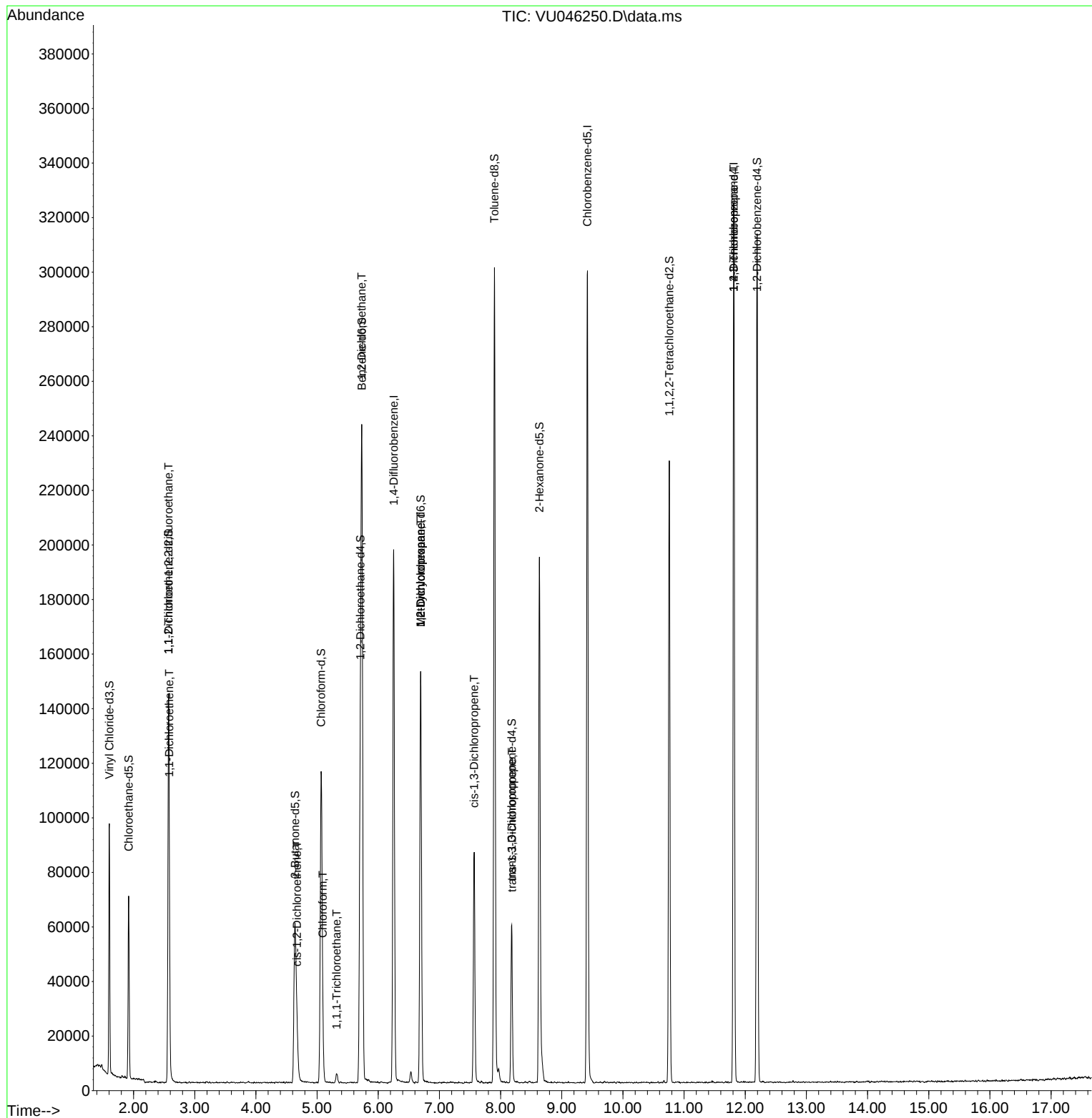
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	159428	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	169728	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	85874	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	64456	49.080	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.160%		
7) Chloroethane-d5	1.919	69	48535	48.134	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.260%		
11) 1,1-Dichloroethene-d2	2.572	63	84169	35.701	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.400%		
21) 2-Butanone-d5	4.639	46	100398	96.167	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.170%		
24) Chloroform-d	5.067	84	106309	48.474	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.940%		
26) 1,2-Dichloroethane-d4	5.706	65	74498	50.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.240%		
32) Benzene-d6	5.732	84	228229	46.915	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.840%		
36) 1,2-Dichloropropane-d6	6.694	67	71912	47.698	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.400%		
41) Toluene-d8	7.899	98	200927	45.363	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.720%		
43) trans-1,3-Dichloroprop...	8.182	79	34068	46.810	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.620%		
47) 2-Hexanone-d5	8.636	63	70141	98.122	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.120%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	111541	48.784	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.560%		
66) 1,2-Dichlorobenzene-d4	12.195	152	82116	49.654	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.300%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	547	0.472	ug/L #	21
12) 1,1-Dichloroethene	2.584	96	4753	4.312	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	4660	3.681	ug/L	95
25) Chloroform	5.092	83	10623	4.508	ug/L	94
27) 1,2-Dichloroethane	5.729	62	1184	0.677	ug/L #	73
30) 1,1,1-Trichloroethane	5.317	97	2831	1.359	ug/L #	80
35) Methylcyclohexane	6.694	83	17793	8.479	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	7873	5.851	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2113	1.032	ug/L #	79
44) trans-1,3-Dichloropropene	8.185	75	1465	0.729	ug/L #	83
60) 1,2,3-Trichloropropane	11.812	75	10222	5.430	ug/L #	64

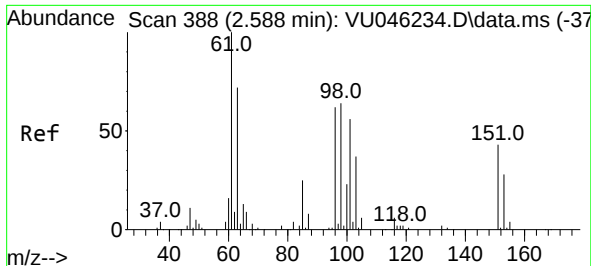
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#10

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

Concen: 0.472 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU046250.D

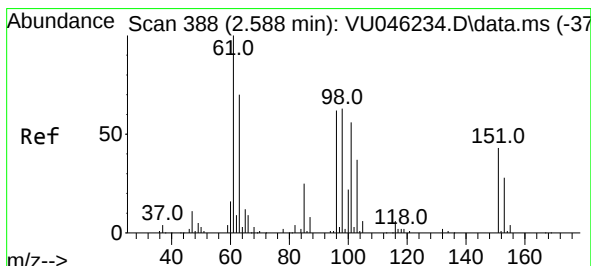
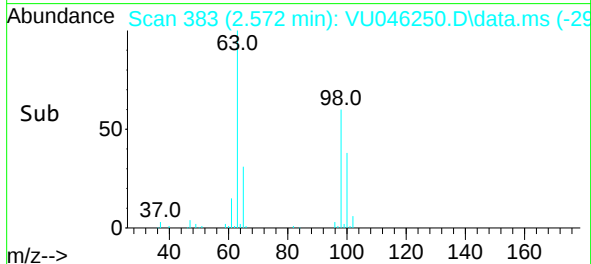
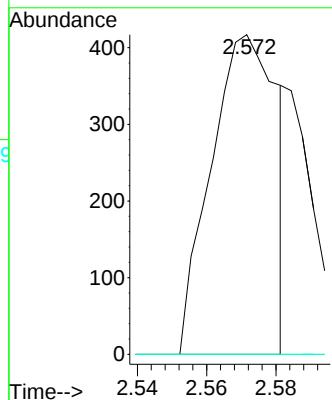
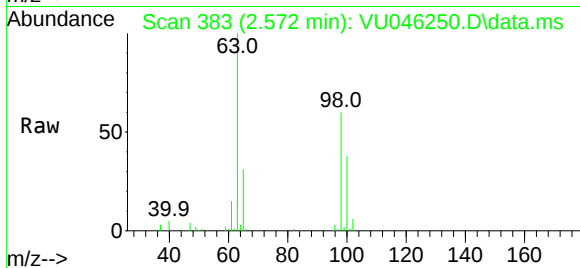
Acq: 10 Dec 2021 02:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	101	Resp:	547
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: 4.312 ug/L

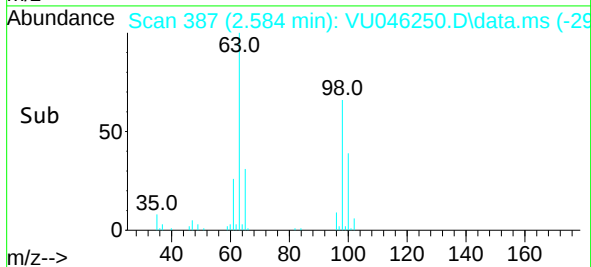
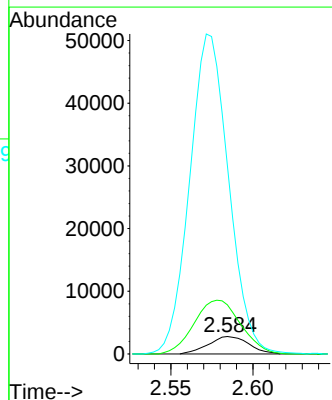
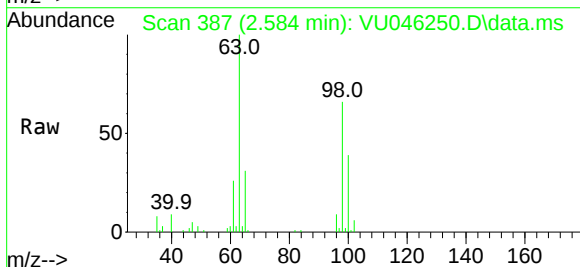
RT: 2.584 min Scan# 387

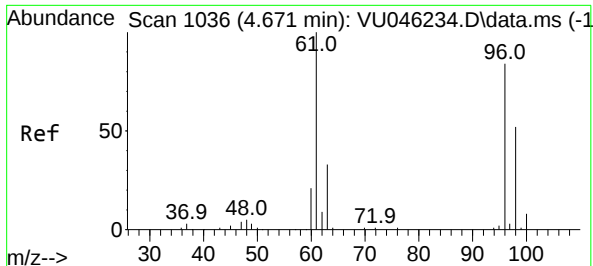
Delta R.T. 0.000 min

Lab File: VU046250.D

Acq: 10 Dec 2021 02:54

Tgt Ion:	96	Resp:	4753
Ion	Ratio	Lower	Upper
96	100		
61	281.9	118.6	220.2#
63	1082.1	93.0	172.8#





#20

cis-1,2-Dichloroethene

Concen: 3.681 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046250.D

Acq: 10 Dec 2021 02:54

Instrument :

MSVOA_U

ClientSampleId :

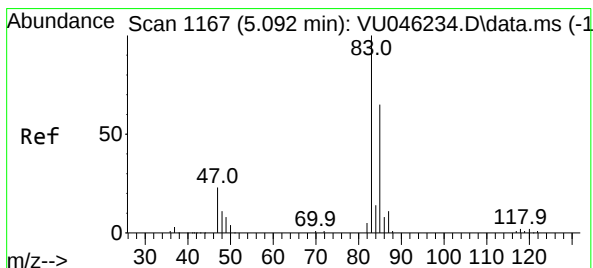
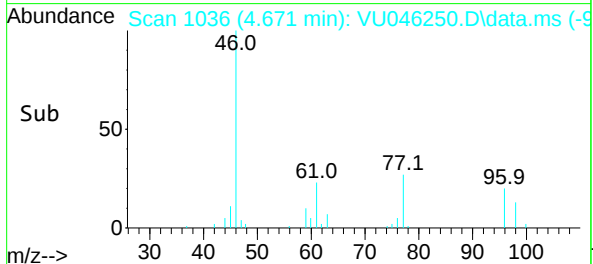
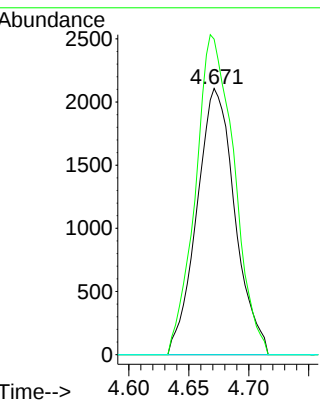
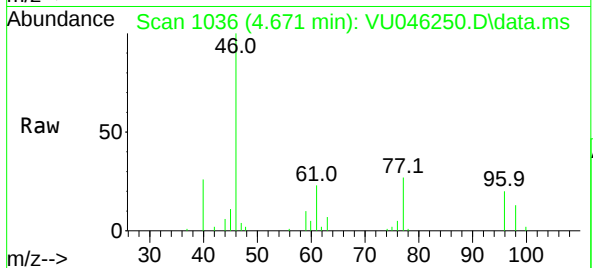
Tgt Ion: 96 Resp: 4660

Ion Ratio Lower Upper

96 100

61 118.6 86.8 161.2

68 0.0 0.0 0.0



#25

Chloroform

Concen: 4.508 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU046250.D

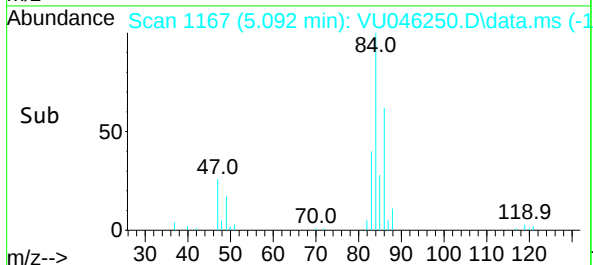
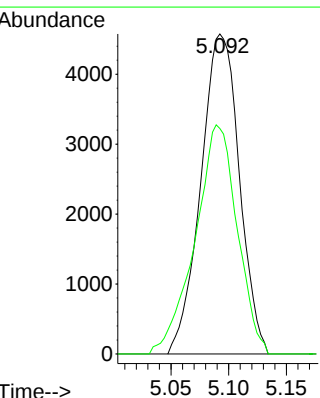
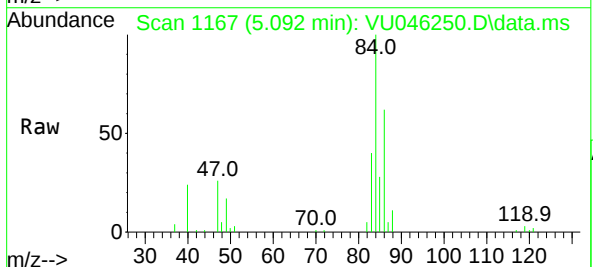
Acq: 10 Dec 2021 02:54

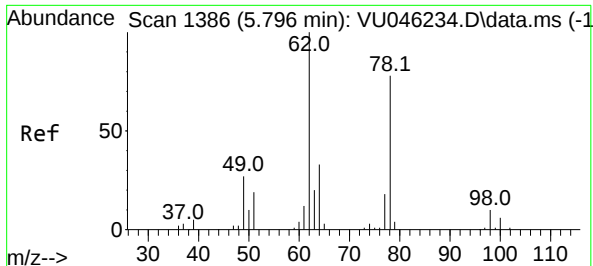
Tgt Ion: 83 Resp: 10623

Ion Ratio Lower Upper

83 100

85 70.4 45.8 85.2





#27

1,2-Dichloroethane

Concen: 0.677 ug/L

RT: 5.729 min Scan# 11

Delta R.T. -0.071 min

Lab File: VU046250.D

Acq: 10 Dec 2021 02:54

Instrument :

MSVOA_U

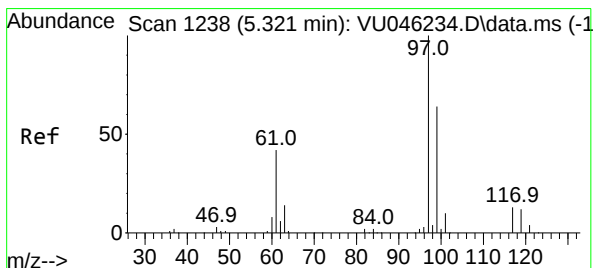
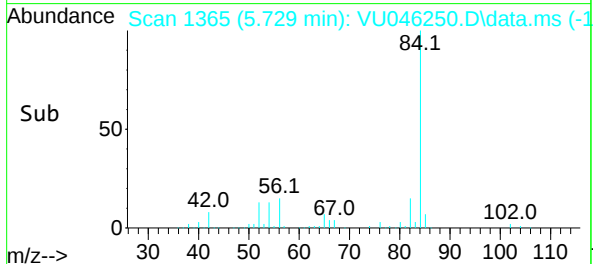
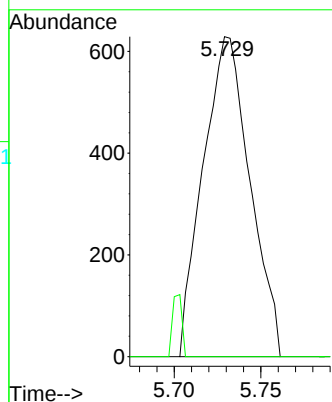
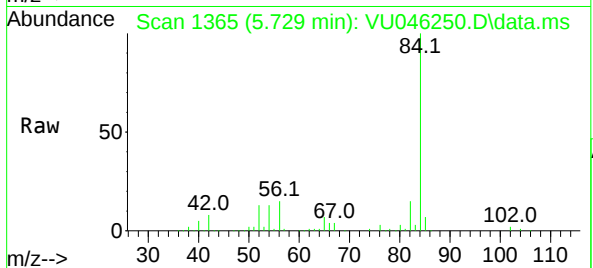
ClientSampleId :

Tgt Ion: 62 Resp: 1184

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#30

1,1,1-Trichloroethane

Concen: 1.359 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU046250.D

Acq: 10 Dec 2021 02:54

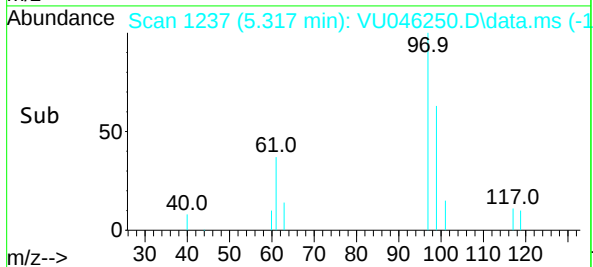
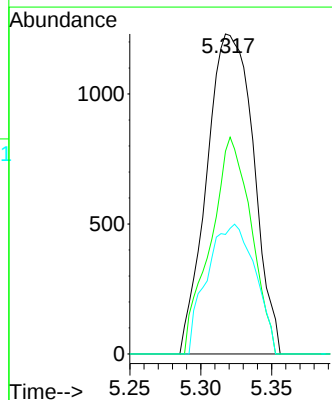
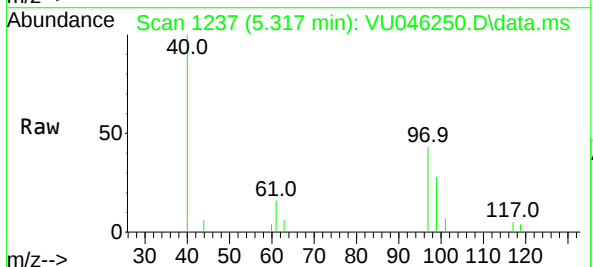
Tgt Ion: 97 Resp: 2831

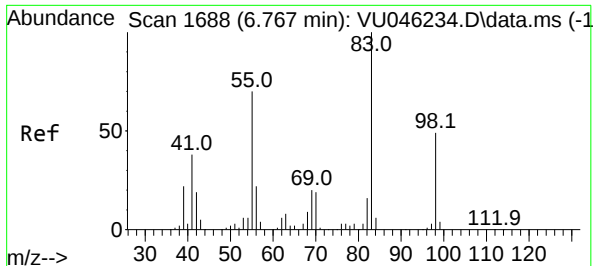
Ion Ratio Lower Upper

97 100

99 58.7 51.8 77.6

61 18.2 34.4 51.6#

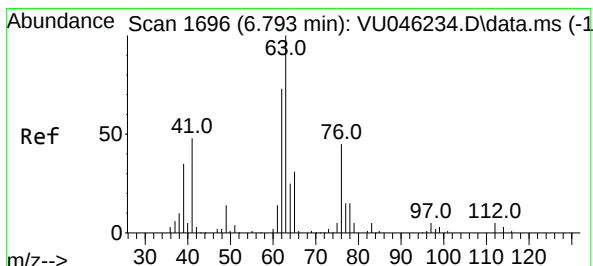
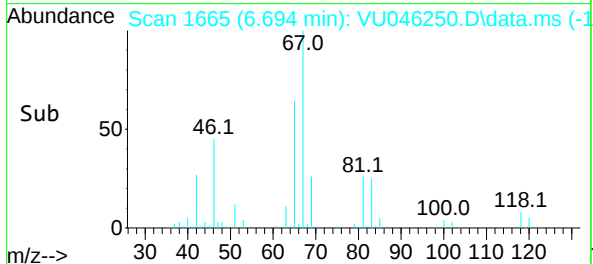
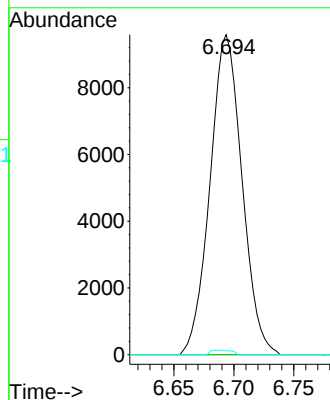
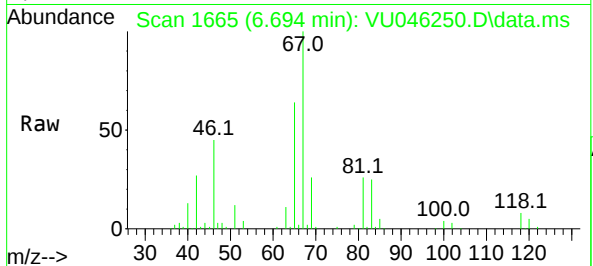




#35
Methylcyclohexane
Concen: 8.479 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046250.D
Acq: 10 Dec 2021 02:54

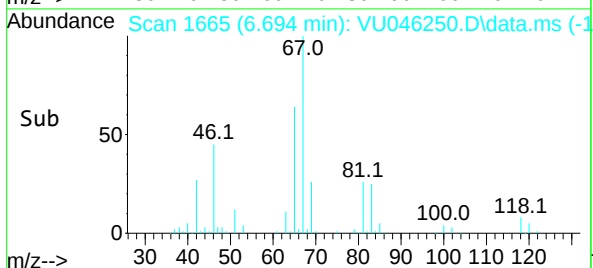
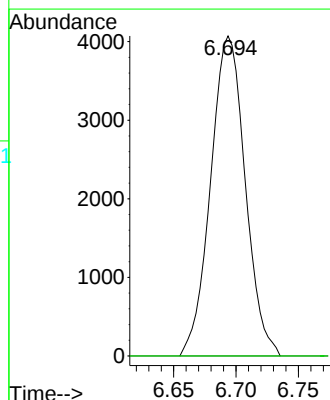
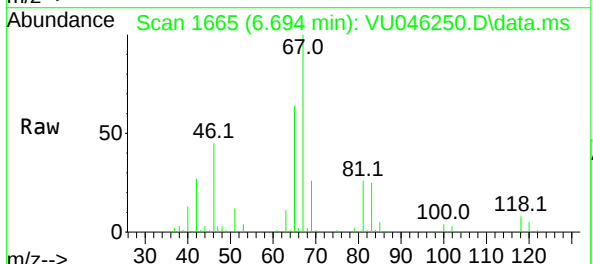
Instrument :
MSVOA_U
ClientSampleId :

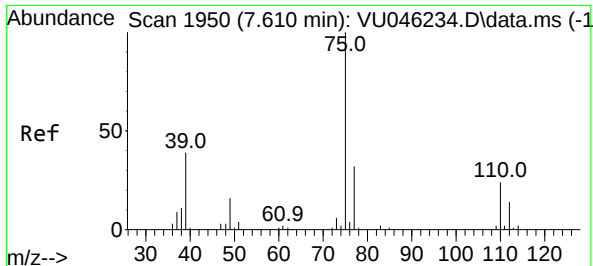
Tgt Ion: 83 Resp: 17793
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 5.851 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046250.D
Acq: 10 Dec 2021 02:54

Tgt Ion: 63 Resp: 7873
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.032 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

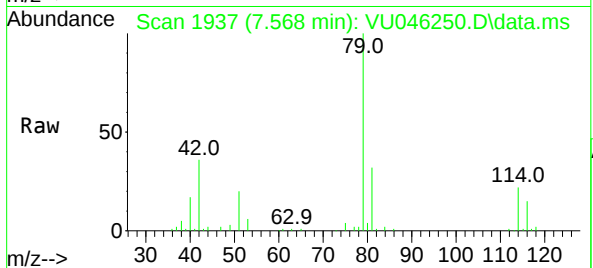
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Acq: 10 Dec 2021 02:54

Instrument :

MSVOA_U

ClientSampleId :

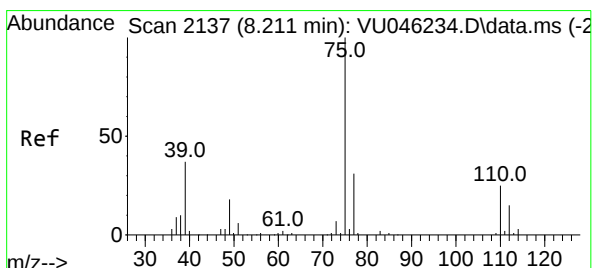
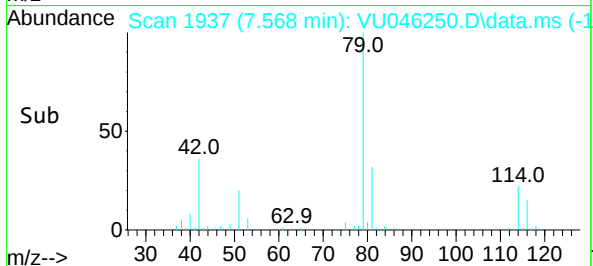
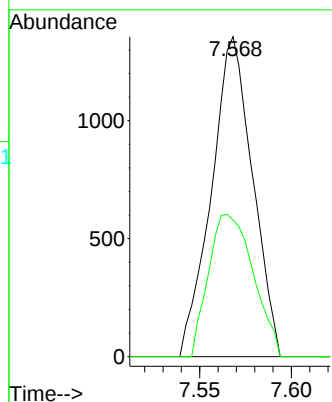


Tgt Ion: 75 Resp: 2113

Ion Ratio Lower Upper

75 100

77 42.7 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.729 ug/L

RT: 8.185 min Scan# 2129

Delta R.T. -0.029 min

Lab File: VU046250.D

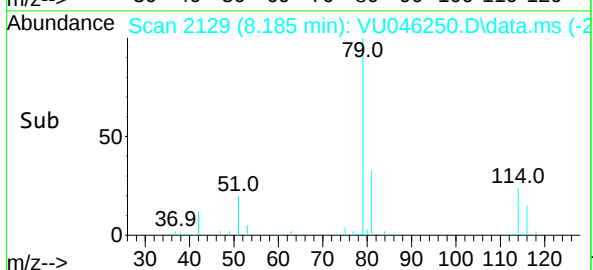
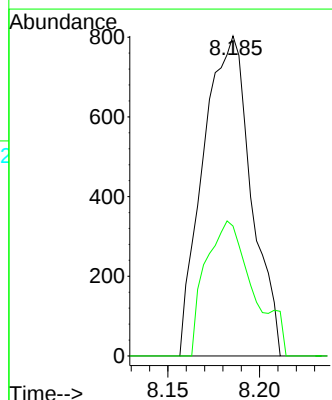
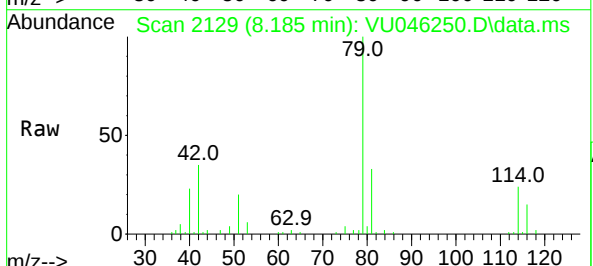
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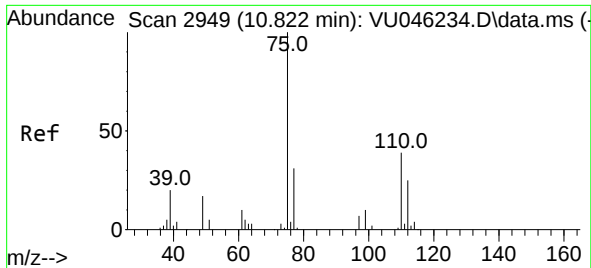
Tgt Ion: 75 Resp: 1465

Ion Ratio Lower Upper

75 100

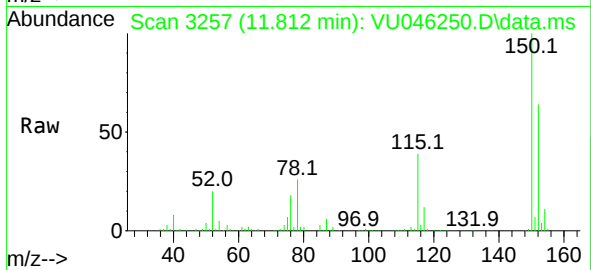
77 40.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 5.430 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046250.D
 Acq: 10 Dec 2021 02:54

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10222
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.4 39.6
 110 2.2 32.4 48.6#

