

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013122\
 Data File : VU046937.D
 Acq On : 31 Jan 2022 23:35
 Operator : SY/MD
 Sample : N1328-09DL 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 03:02:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 01 01:39:38 2022
 Response via : Initial Calibration

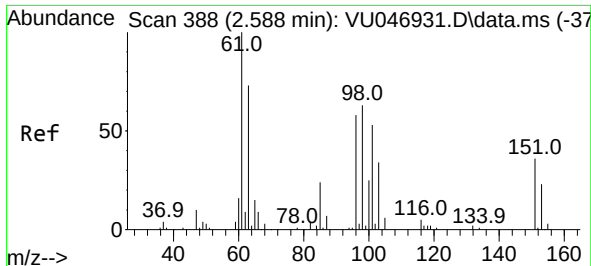
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	106773	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	121046	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48660	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	53209	5.881	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.600%
7) Chloroethane-d5	1.919	69	41084	5.763	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.200%
11) 1,1-Dichloroethene-d2	2.572	65	20281	5.635	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.800%
20) 2-Butanone-d5	4.652	46	114069	42.558	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.120%
24) Chloroform-d	5.070	84	78599	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.707	65	43603	5.041	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.732	84	156668	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.694	67	49259	4.612	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.899	98	121268	3.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.182	79	18748	3.997	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.000%
46) 2-Hexanone-d5	8.639	63	106357	38.291	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.580%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	45452	4.238	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	41957	4.598	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	432	0.069	ug/L #	21
12) 1,1-Dichloroethene	2.585	96	2896	0.486	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	1939	0.179	ug/L #	78
22) cis-1,2-Dichloroethene	4.674	96	1611	0.236	ug/L #	86
29) 1,1,1-Trichloroethane	5.327	97	1025	0.094	ug/L #	82
34) Trichloroethene	6.543	95	3138	0.424	ug/L	94
35) Methylcyclohexane	6.694	83	11734	0.947	ug/L #	18
37) 1,2-Dichloropropane	6.694	63	5514	0.789	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	1054	0.097	ug/L #	35
47) Tetrachloroethene	8.555	164	28401	4.719	ug/L	94
49) Dibromochloromethane	8.555	129	28357	4.042	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6161	1.494	ug/L #	65

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

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Response via : Initial Calibration





#10

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

Concen: 0.069 ug/L

RT: 2.575 min Scan# 3

Delta R.T. -0.013 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Instrument :

MSVOA_U

ClientSampleId :

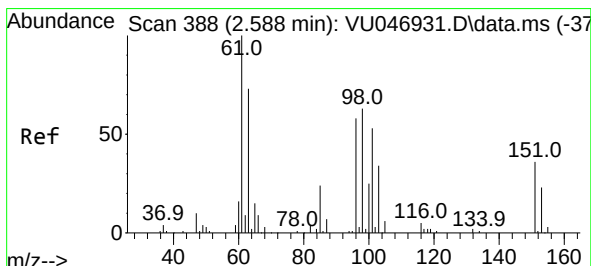
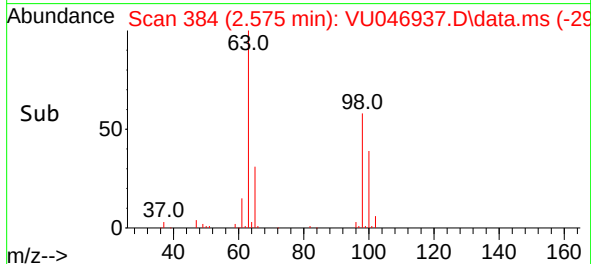
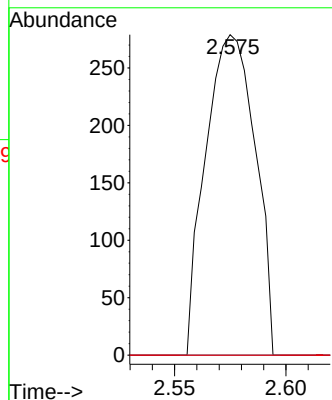
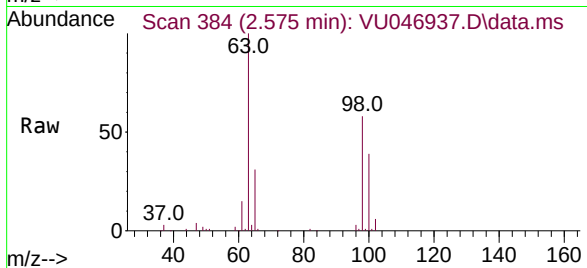
Tgt Ion:101 Resp: 432

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 56.1 84.1#



#12

1,1-Dichloroethene

Concen: 0.486 ug/L

RT: 2.585 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

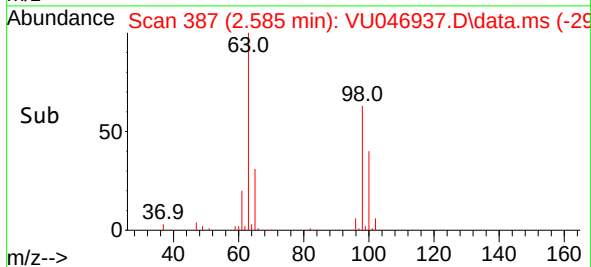
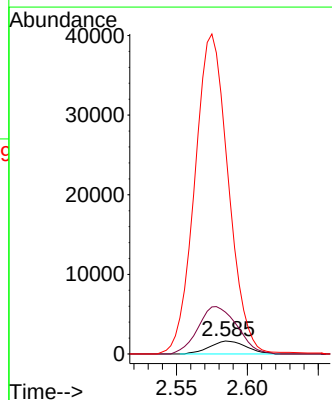
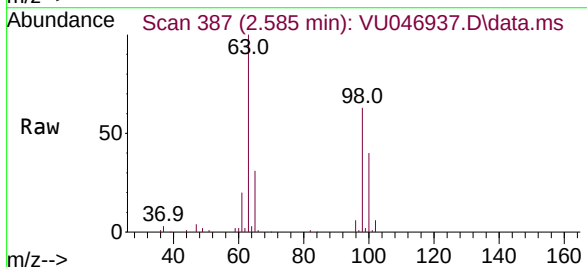
Tgt Ion: 96 Resp: 2896

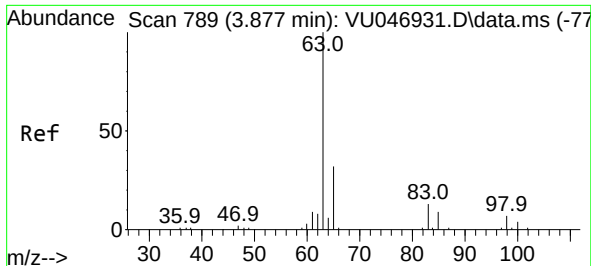
Ion Ratio Lower Upper

96 100

61 322.7 124.7 231.5#

63 1608.4 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.179 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

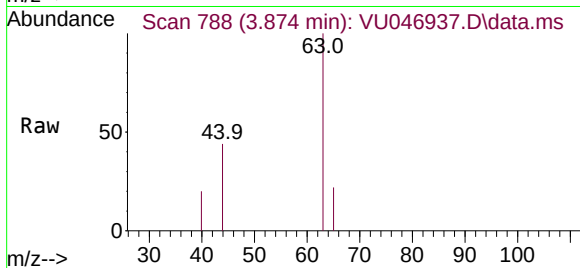
Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

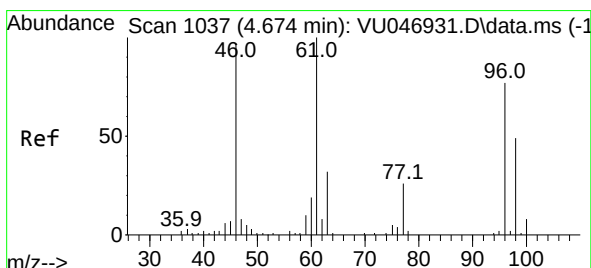
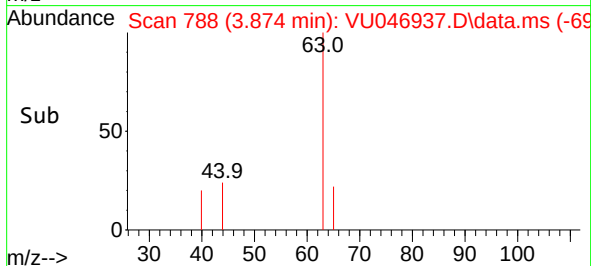
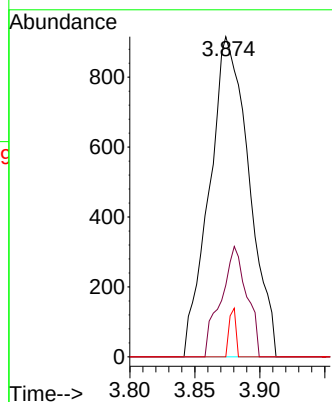
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	63	Resp:	1939
Ion Ratio	Lower	Upper	
63	100		
65	22.4	22.3	41.5
83	0.0	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 0.236 ug/L

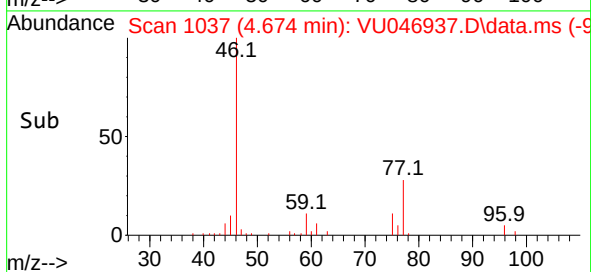
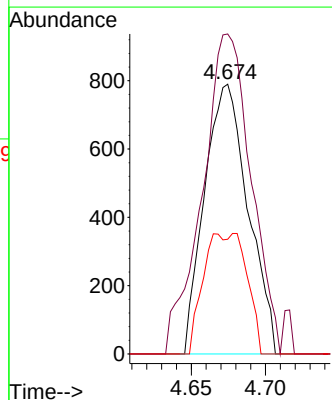
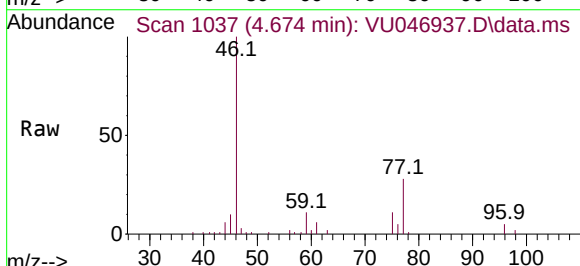
RT: 4.674 min Scan# 1037

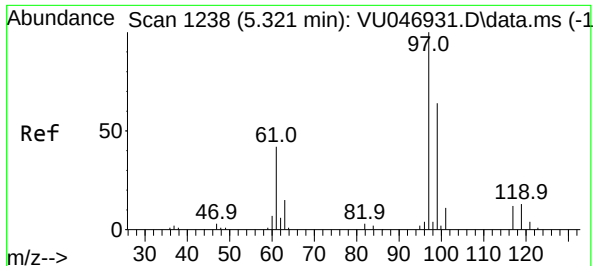
Delta R.T. 0.000 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Tgt Ion:	96	Resp:	1611
Ion Ratio	Lower	Upper	
96	100		
61	118.6	88.5	164.3
98	42.5	44.4	82.5





#29

1,1,1-Trichloroethane

Concen: 0.094 ug/L

RT: 5.327 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Instrument :

MSVOA_U

ClientSampleId :

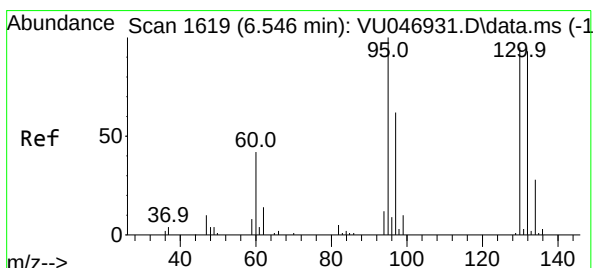
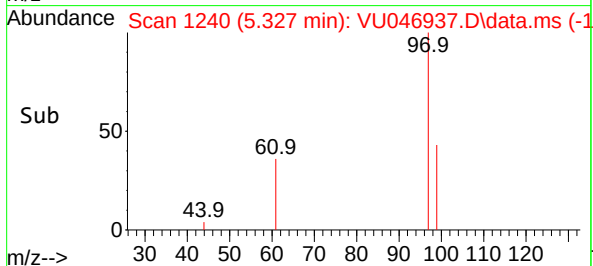
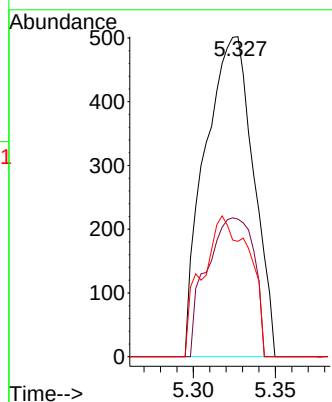
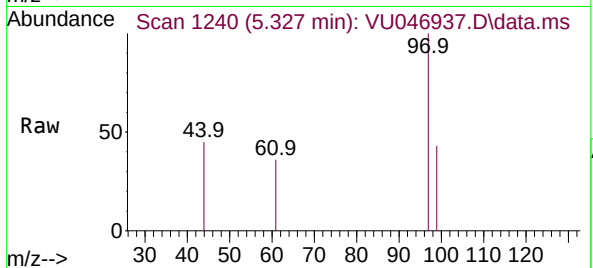
Tgt Ion: 97 Resp: 1025

Ion Ratio Lower Upper

97 100

99 42.3 51.3 76.9#

61 42.7 36.1 54.1



#34

Trichloroethene

Concen: 0.424 ug/L

RT: 6.543 min Scan# 1618

Delta R.T. -0.003 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Tgt Ion: 95 Resp: 3138

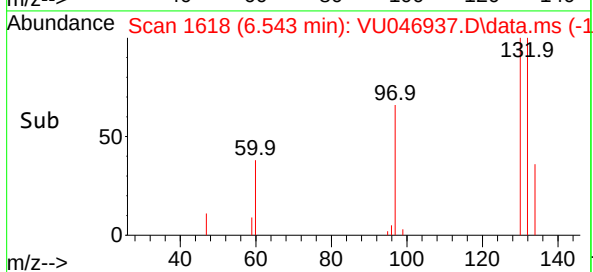
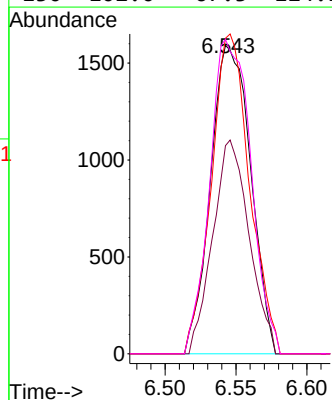
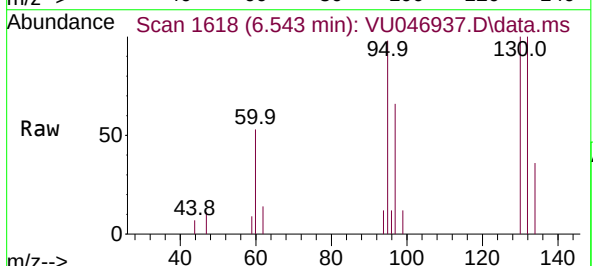
Ion Ratio Lower Upper

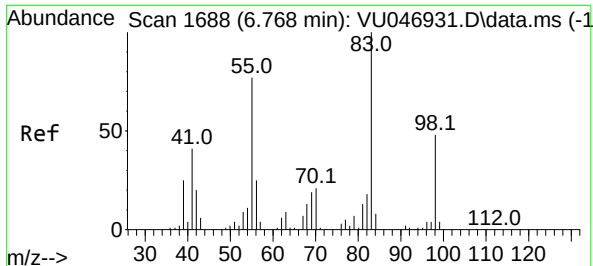
95 100

97 67.5 46.5 86.5

132 102.3 65.1 120.9

130 102.0 67.3 124.9

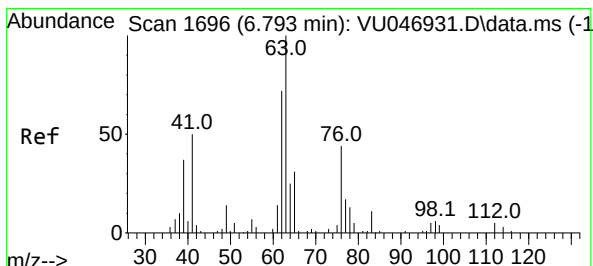
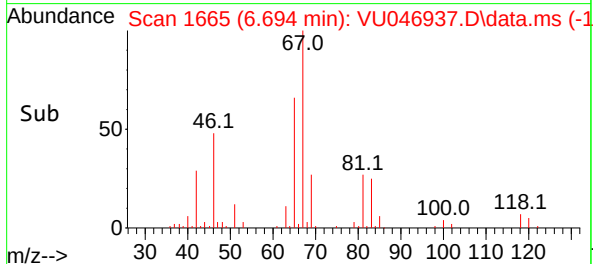
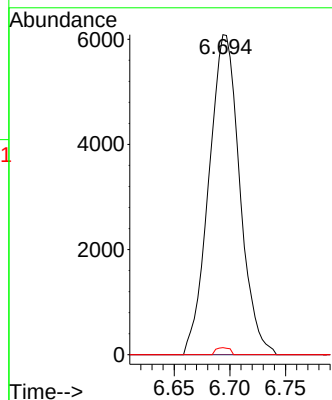
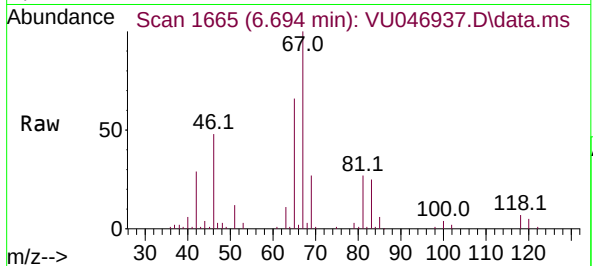




#35
Methylcyclohexane
Concen: 0.947 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046937.D
Acq: 31 Jan 2022 23:35

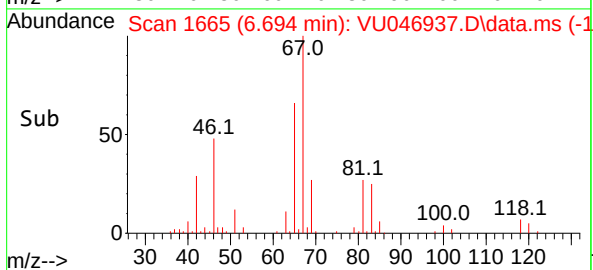
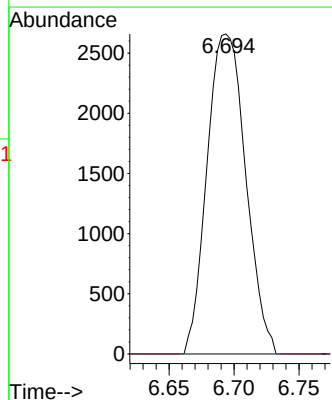
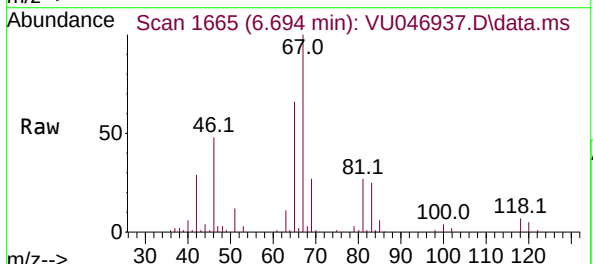
Instrument :
MSVOA_U
ClientSampleId :

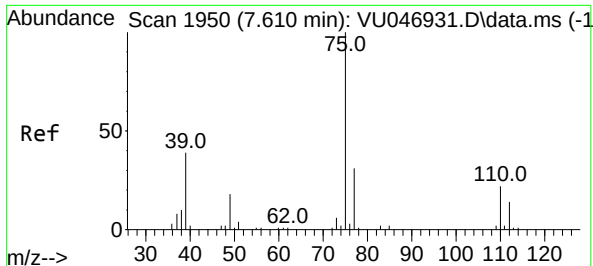
Tgt Ion: 83 Resp: 11734
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 1.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.789 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU046937.D
Acq: 31 Jan 2022 23:35

Tgt Ion: 63 Resp: 5514
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Instrument :

MSVOA_U

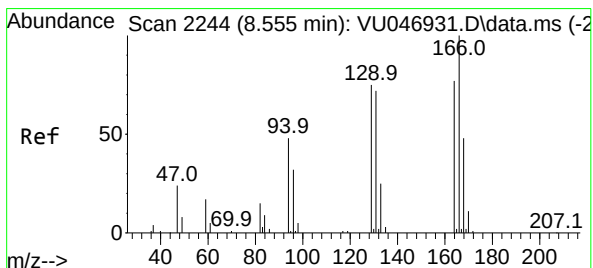
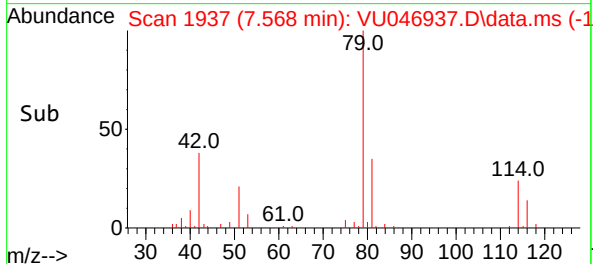
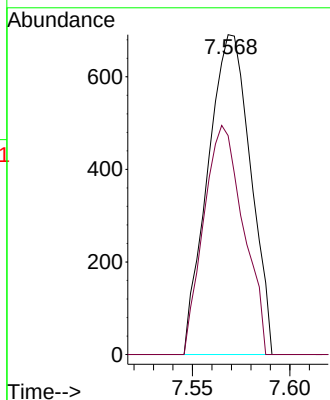
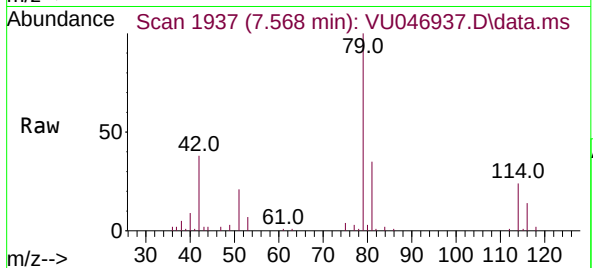
ClientSampleId :

Tgt Ion: 75 Resp: 1054

Ion Ratio Lower Upper

75 100

77 68.5 22.5 41.9#



#47

Tetrachloroethene

Concen: 4.719 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Tgt Ion: 164 Resp: 28401

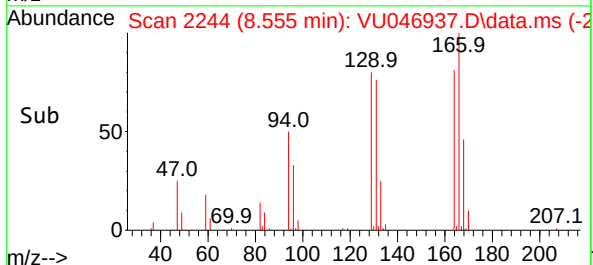
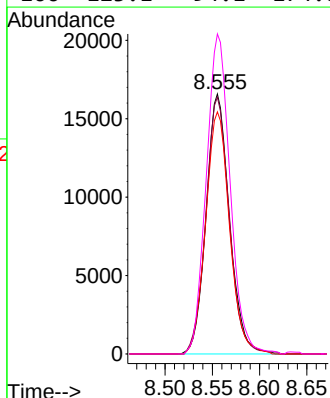
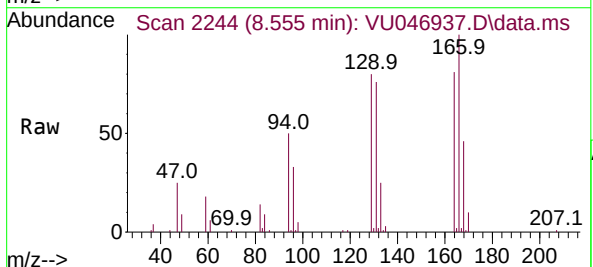
Ion Ratio Lower Upper

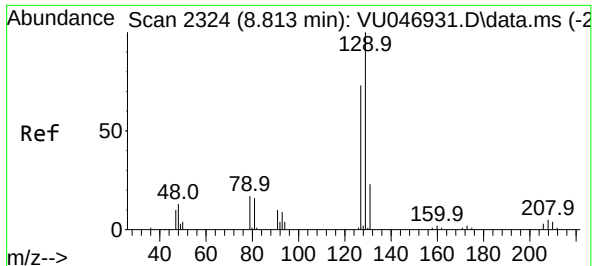
164 100

129 98.8 71.8 133.4

131 93.1 68.5 127.3

166 123.1 94.1 174.8





#49

Dibromochloromethane

Concen: 4.042 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Instrument :

MSVOA_U

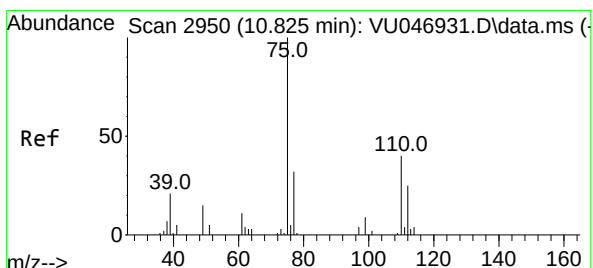
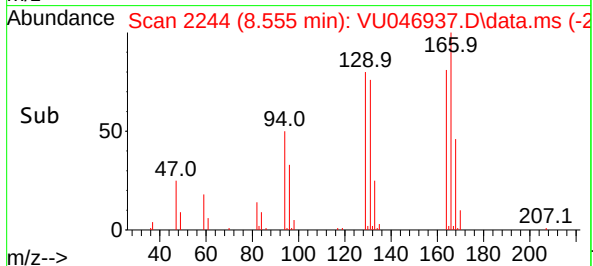
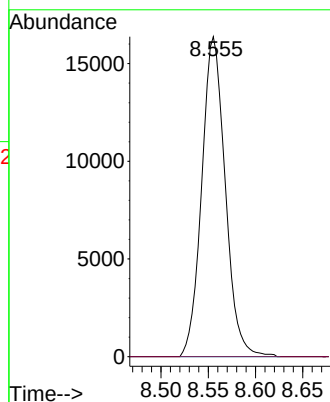
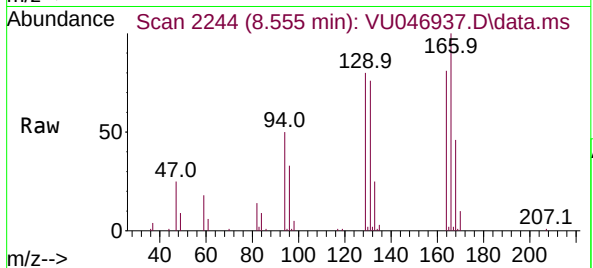
ClientSampleId :

Tgt Ion:129 Resp: 28357

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.494 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046937.D

Acq: 31 Jan 2022 23:35

Tgt Ion: 75 Resp: 6161

Ion Ratio Lower Upper

75 100

110 0.7 29.9 44.9#

77 29.3 25.5 38.3

