

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032411.D
 Acq On : 03 Jun 2019 22:39
 Operator : JC/SP
 Sample : K3081-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALE2

Quant Time: Jun 04 09:00:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:55:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	102163	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	101174	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	37627	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.67	69	36203	3.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.40%
11) 1,1-Dichloroethene-d2	2.26	63	62042	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.18	46	122763	55.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.64	84	68334	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.30	65	42306	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.33	84	133175	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.34	67	46225	4.93	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.56	98	129735	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.85	79	20259	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.31	63	109931	56.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40629	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	44593	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

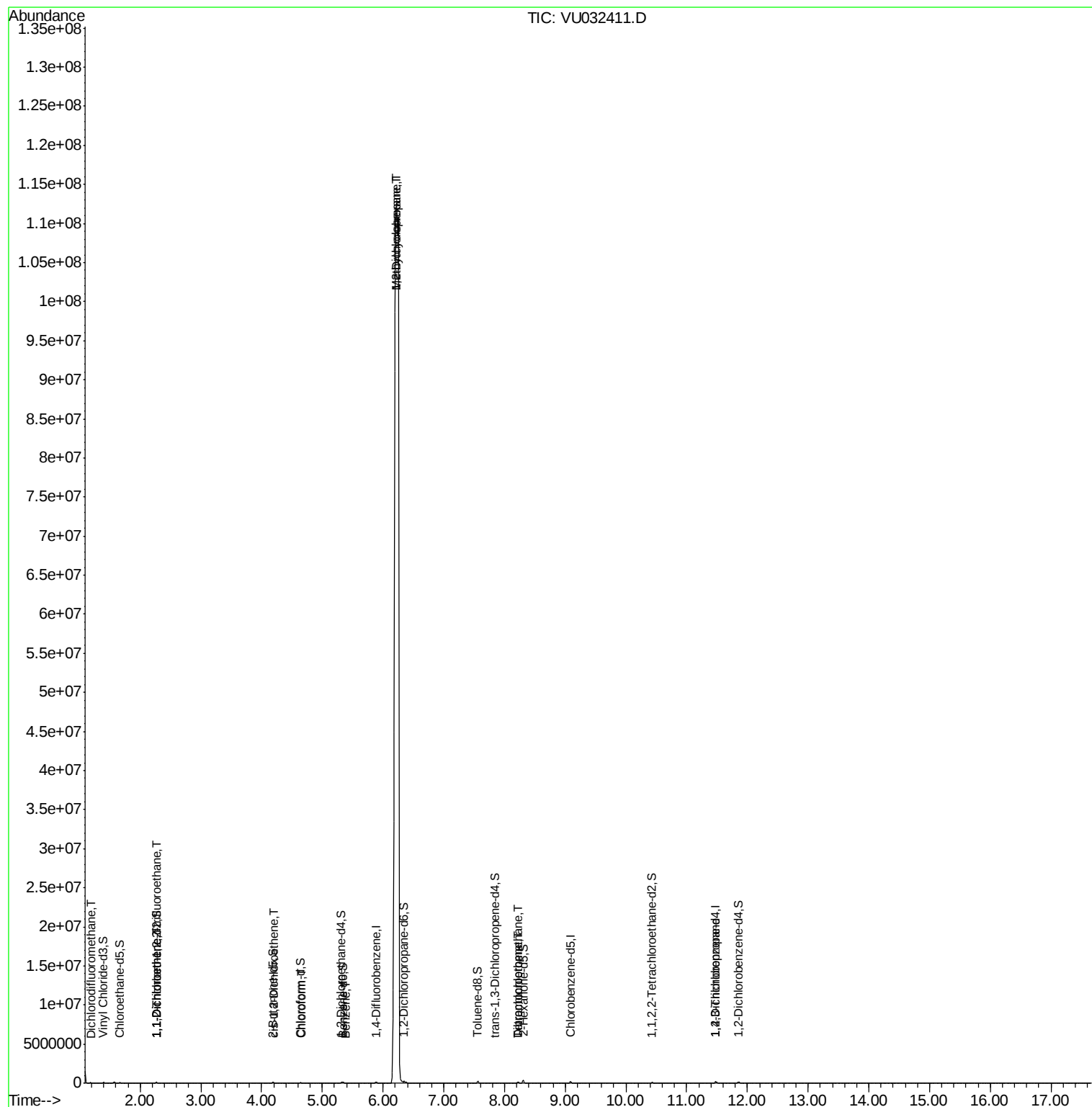
					Qvalue
2) Dichlorodifluoromethane	1.20	85	2355	0.136 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	2714	0.180 ug/L	88
12) 1,1-Dichloroethene	2.27	96	1560	0.111 ug/L #	1
22) cis-1,2-Dichloroethene	4.22	96	12700	0.843 ug/L	98
25) Chloroform	4.66	83	4075	0.152 ug/L	99
33) Benzene	5.39	78	11235	0.190 ug/L	100
35) Methylcyclohexane	6.22	83	1266479	47.383 ug/L #	1
37) 1,2-Dichloropropane	6.21	63	402763	25.041 ug/L #	90
47) Tetrachloroethene	8.22	164	27584	2.462 ug/L	97
49) Dibromochloromethane	8.22	129	27530	1.976 ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	6627	0.634 ug/L #	88

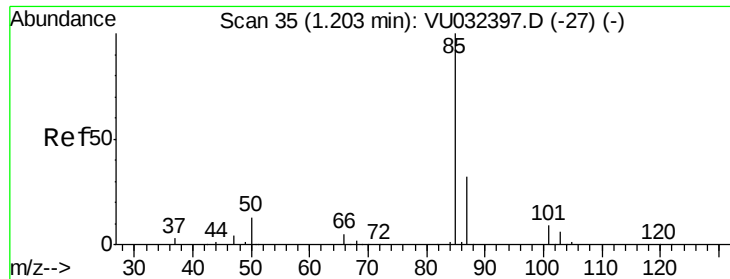
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.136 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

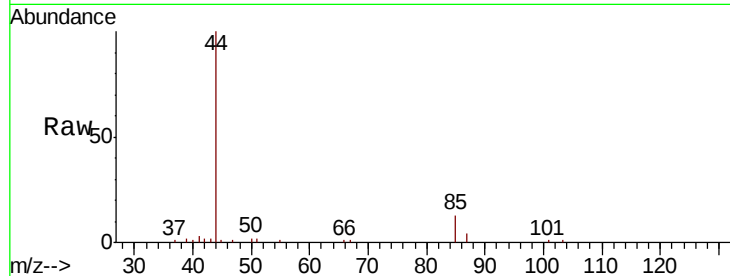
GALE2

Tgt Ion: 85 Resp: 2355

Ion Ratio Lower Upper

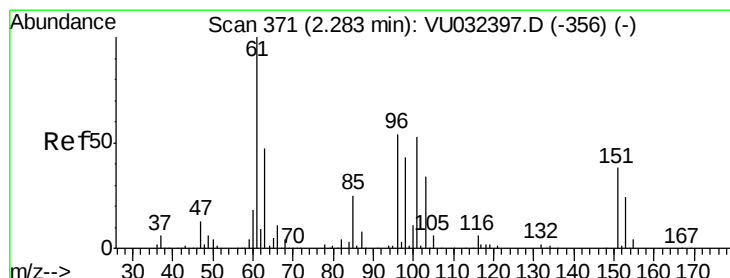
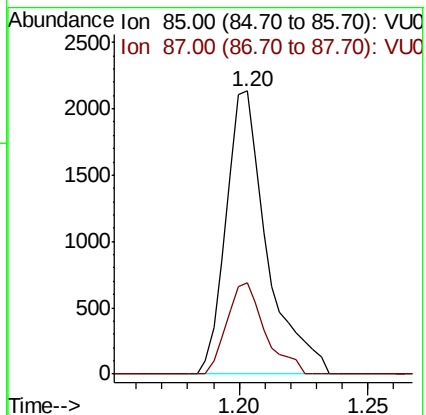
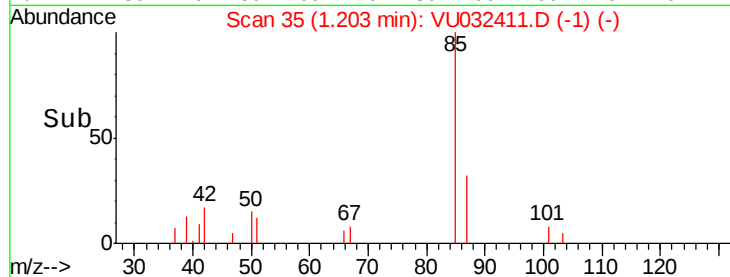
85 100

87 30.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032411.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032411.D (-1) (-)



#10

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

Concen: 0.180 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

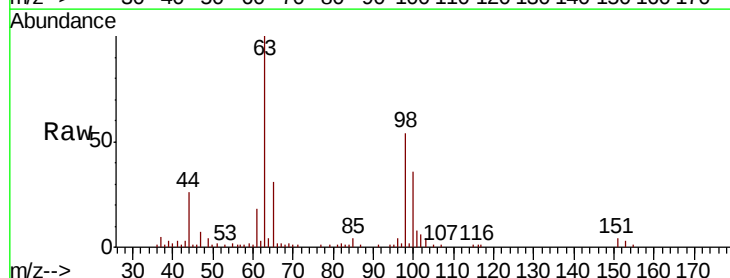
Tgt Ion: 101 Resp: 2714

Ion Ratio Lower Upper

101 100

85 51.3 38.0 57.0

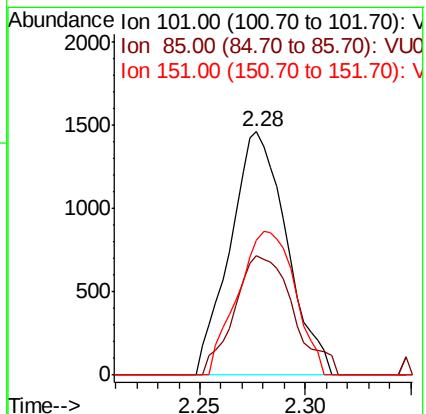
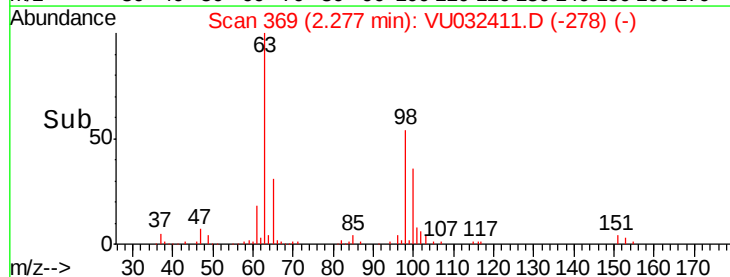
151 59.7 58.1 87.1

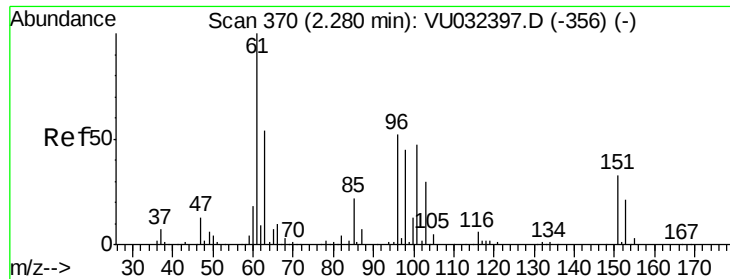


Abundance Ion 101.00 (100.70 to 101.70): VU032411.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU032411.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU032411.D (-278) (-)





#12

1,1-Dichloroethene

Concen: 0.111 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

GALE2

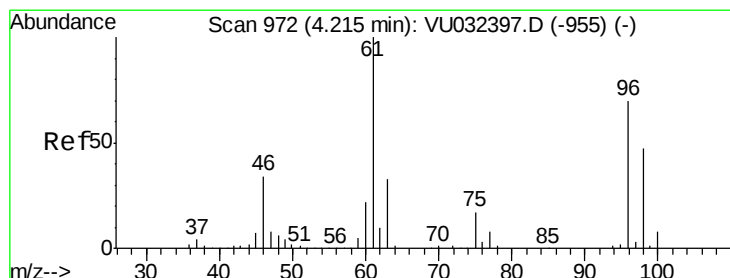
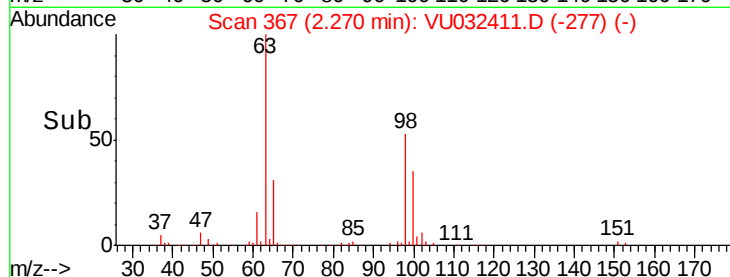
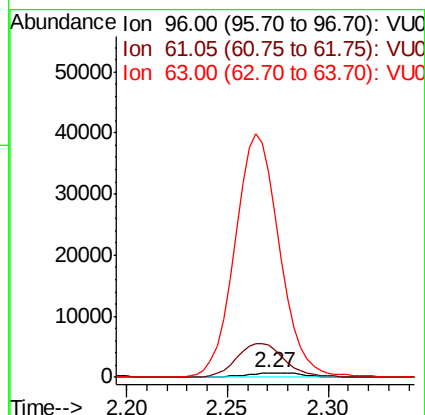
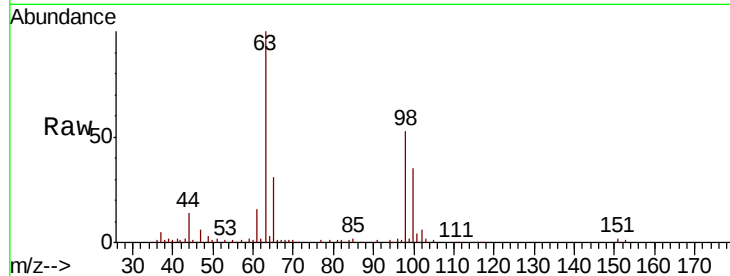
Tgt Ion: 96 Resp: 1560

Ion Ratio Lower Upper

96 100

61 678.2 133.6 248.0#

63 4352.5 72.4 134.4#



#22

cis-1,2-Dichloroethene

Concen: 0.843 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

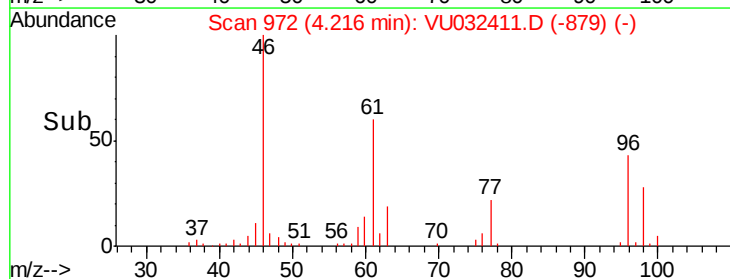
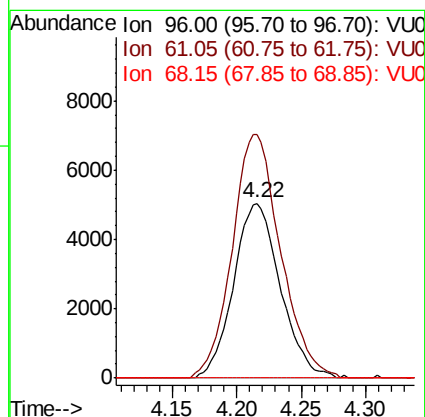
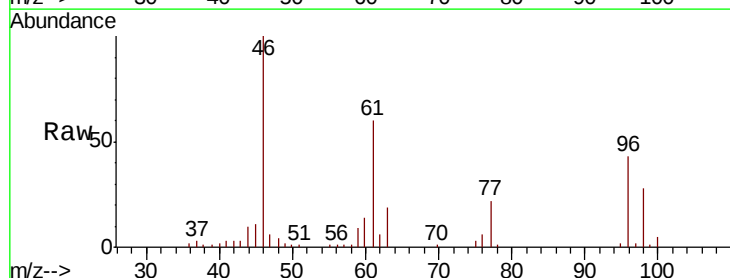
Tgt Ion: 96 Resp: 12700

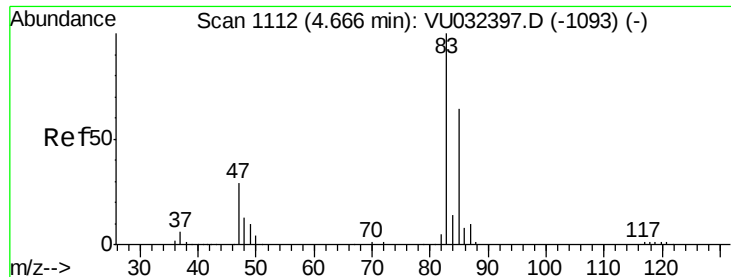
Ion Ratio Lower Upper

96 100

61 139.1 99.0 183.8

68 0.0 0.0 0.0

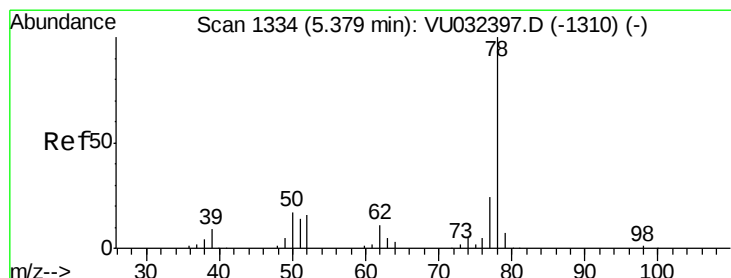
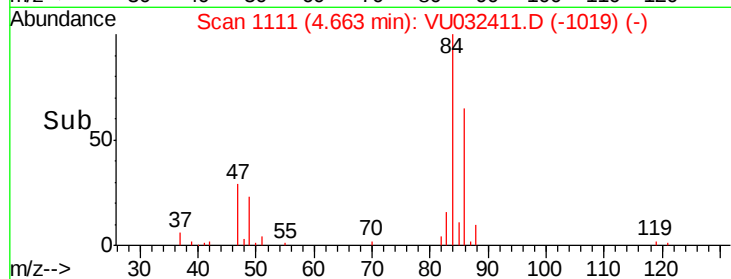
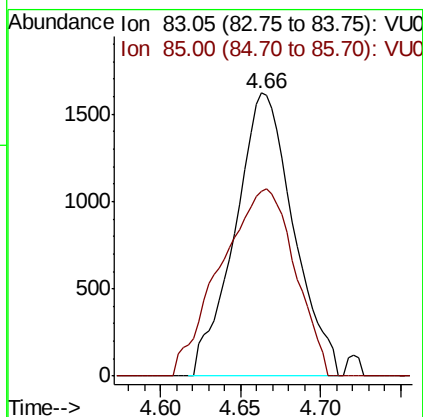
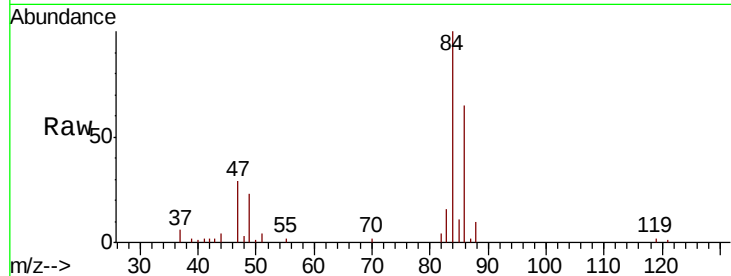




#25
Chloroform
Concen: 0.152 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032411.D
Acq: 03 Jun 2019 22:39

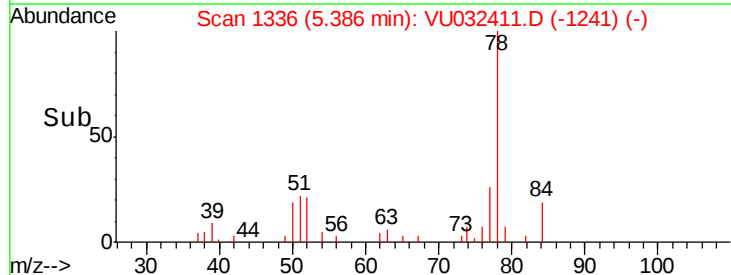
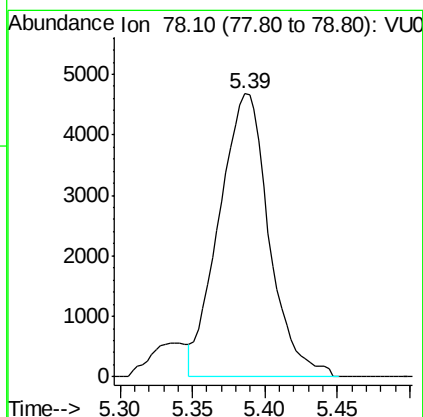
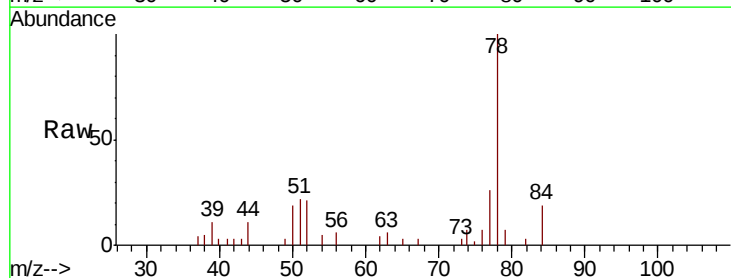
Instrument :
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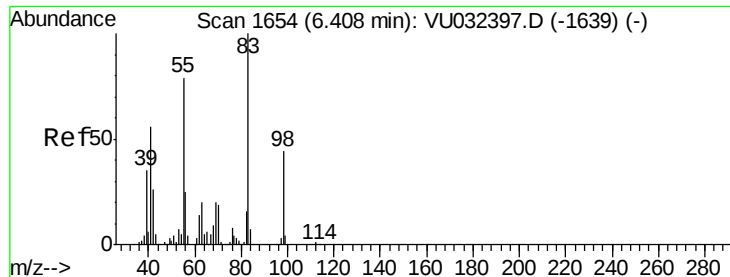
Tgt Ion: 83 Resp: 4075
Ion Ratio Lower Upper
83 100
85 65.4 45.3 84.1



#33
Benzene
Concen: 0.190 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU032411.D
Acq: 03 Jun 2019 22:39

Tgt Ion: 78 Resp: 11235

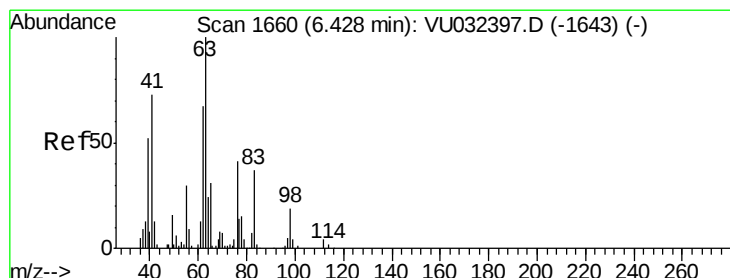
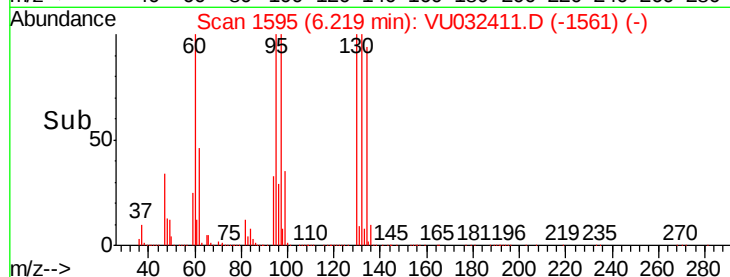
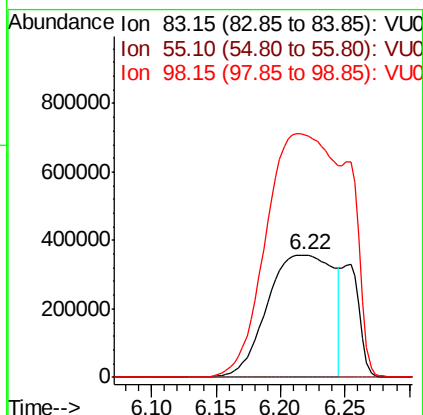
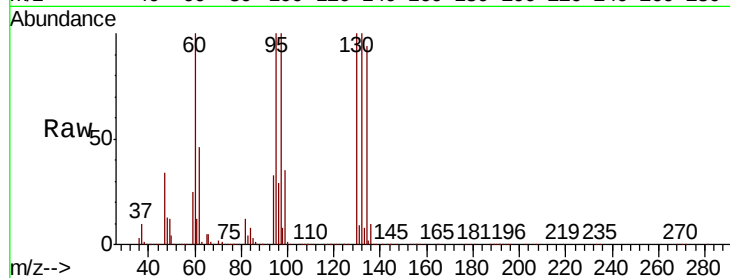




#35
Methylcyclohexane
Concen: 47.383 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.19 min
Lab File: VU032411.D
Acq: 03 Jun 2019 22:39

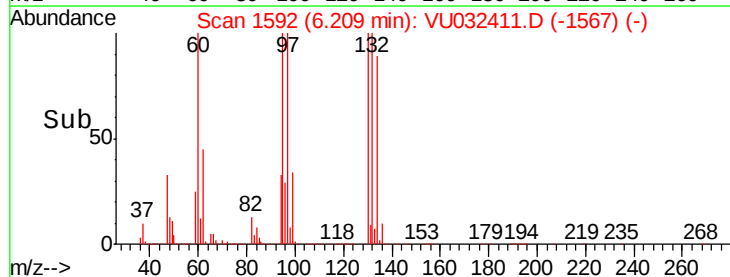
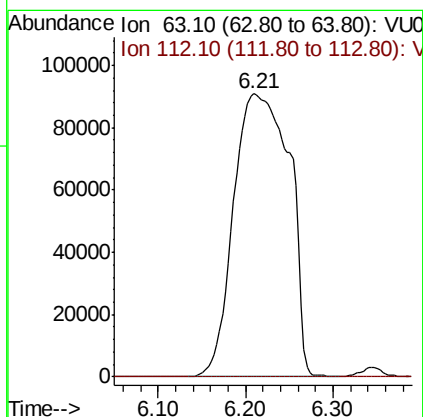
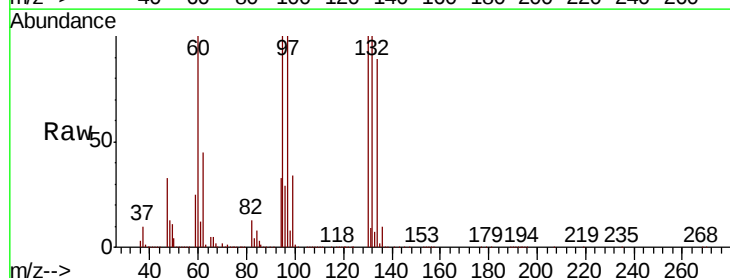
Instrument :
MSVOA_U
ClientSampleId :
GALE2

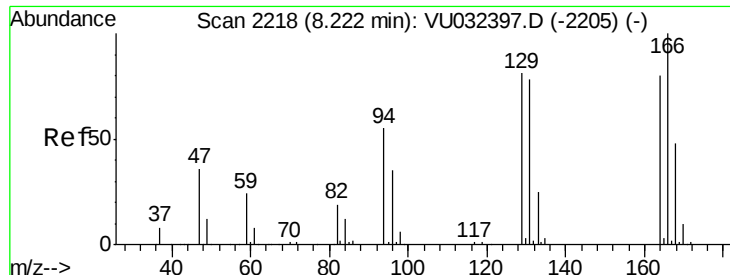
Tgt Ion: 83 Resp: 1266479
Ion Ratio Lower Upper
83 100
55 0.2 64.7 97.1#
98 210.4 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 25.041 ug/L
RT: 6.21 min Scan# 1592
Delta R.T. -0.22 min
Lab File: VU032411.D
Acq: 03 Jun 2019 22:39

Tgt Ion: 63 Resp: 402763
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#





#47

Tetrachloroethene

Concen: 2.462 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

Instrument :

MSVOA_U

ClientSampleId :

GALE2

Tgt Ion:164 Resp: 27584

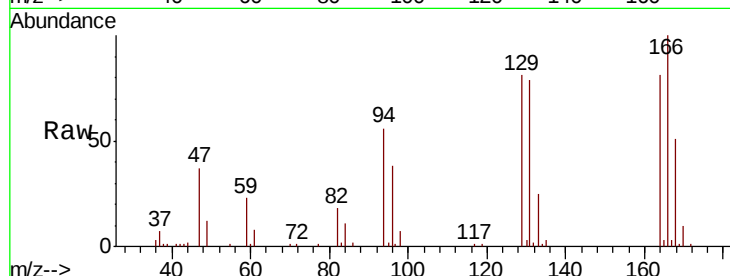
Ion Ratio Lower Upper

164 100

129 100.9 72.1 133.9

131 98.5 71.9 133.5

166 124.0 89.0 165.4

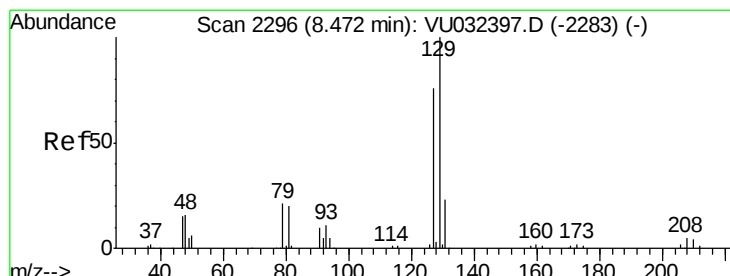
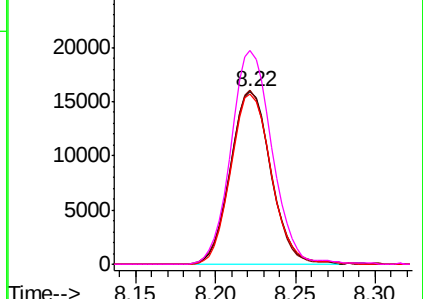
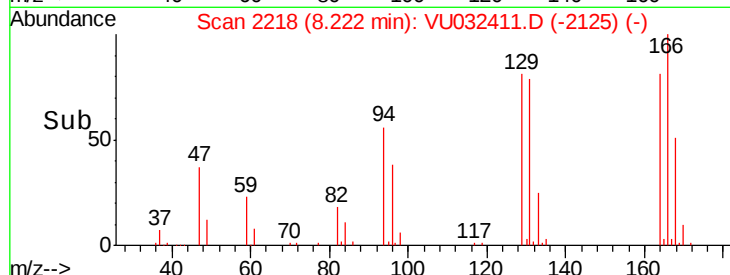


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 1.976 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032411.D

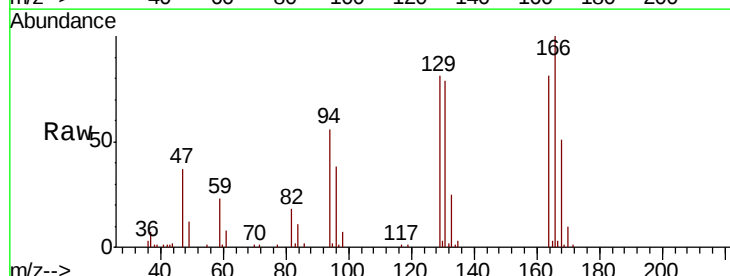
Acq: 03 Jun 2019 22:39

Tgt Ion:129 Resp: 27530

Ion Ratio Lower Upper

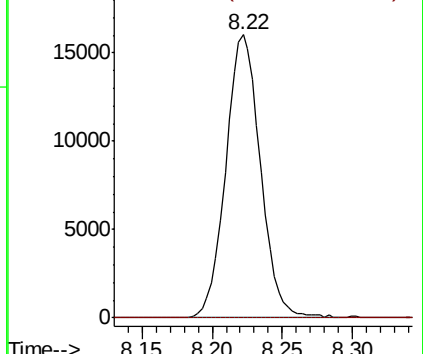
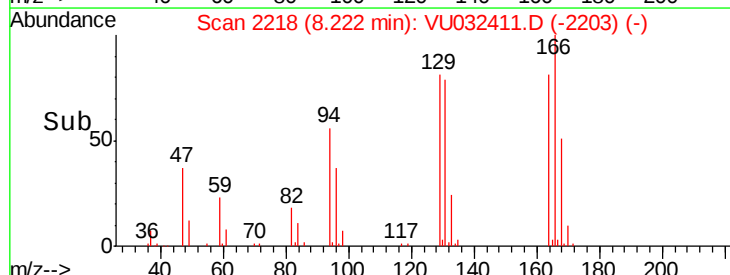
129 100

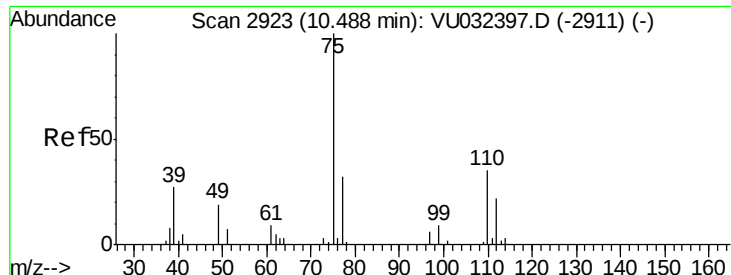
127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.634 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032411.D

Acq: 03 Jun 2019 22:39

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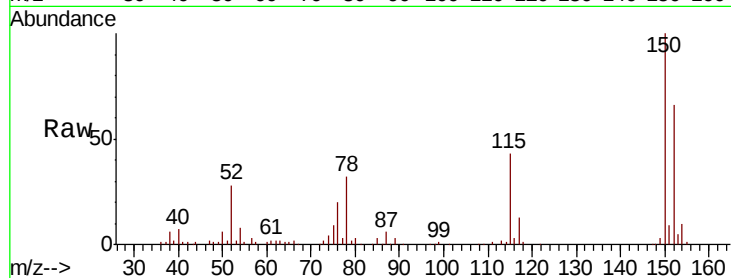
GALE2

Tgt Ion: 75 Resp: 6627

Ion Ratio Lower Upper

75 100

77 39.5 26.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

