

Data File : VU029755.D
Acq On : 01 Mar 2019 11:45
Operator : JC/SP
Sample : K1577-12DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJX9DL

Quant Time: Mar 01 22:15:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	243562	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238245	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60598	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.68	69	62861	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.27	63	97961	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.19	46	230137	63.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.98%
24) Chloroform-d	4.65	84	147208	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.31	65	78308	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.34	84	298778	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	97015	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.56	98	263097	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.85	79	35086	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.31	63	219799	61.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	86847	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	116855	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.28	62	736	0.035 ug/L	99
6) Bromomethane	1.63	94	674	0.059 ug/L	88
8) Chloroethane	1.70	64	2670	0.198 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	956	0.050 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	2329	0.129 ug/L #	1
13) Acetone	2.32	43	7550	2.922 ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	3012	0.153 ug/L	86
22) cis-1,2-Dichloroethene	4.22	96	125088	6.946 ug/L	94
25) Chloroform	4.67	83	2937	0.096 ug/L #	69
33) Benzene	5.39	78	16707	0.265 ug/L	100
34) Trichloroethene	6.18	95	79048	4.497 ug/L	98
35) Methylcyclohexane	6.33	83	21898	0.768 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	9601	0.605 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2167	0.093 ug/L #	55
42) Toluene	7.64	91	7886	0.110 ug/L	95
47) Tetrachloroethene	8.22	164	7143	0.438 ug/L	93
48) 2-Hexanone	8.37	43	2060	0.316 ug/L #	66

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

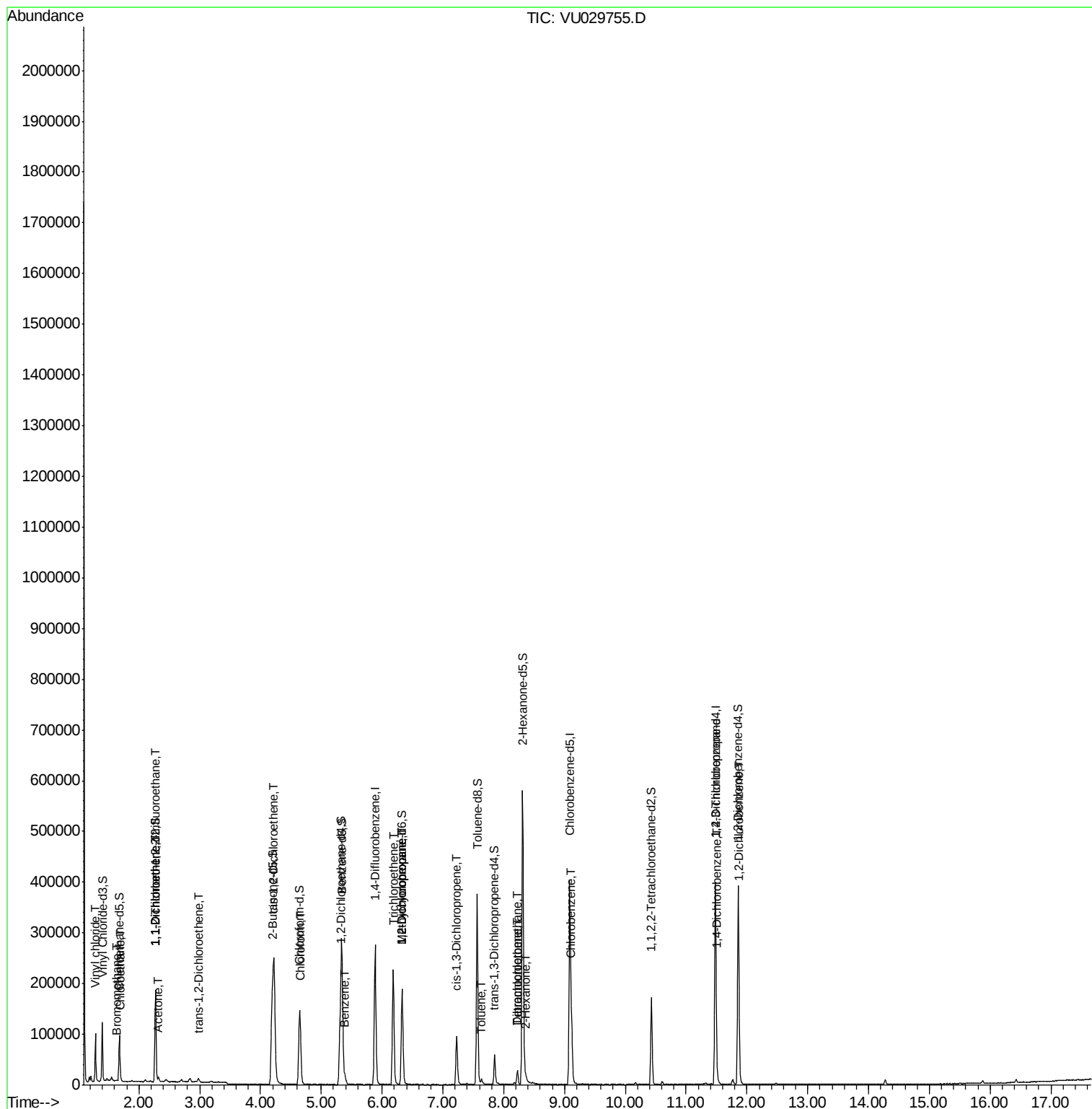
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	6772	0.450	ug/L #	12
51) Chlorobenzene	9.12	112	78718	1.605	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	14059	1.327	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	6409	0.169	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	2526	0.070	ug/L	89

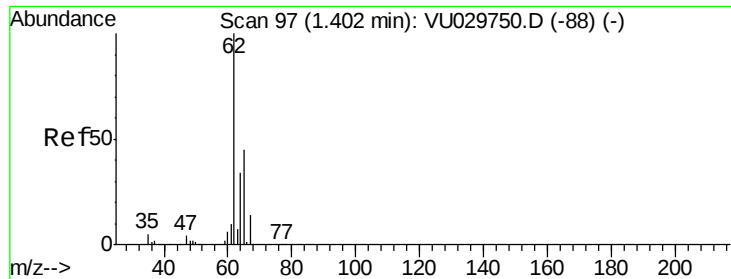
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.035 ug/L

RT: 1.28 min Scan# 60

Delta R.T. -0.12 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampled :

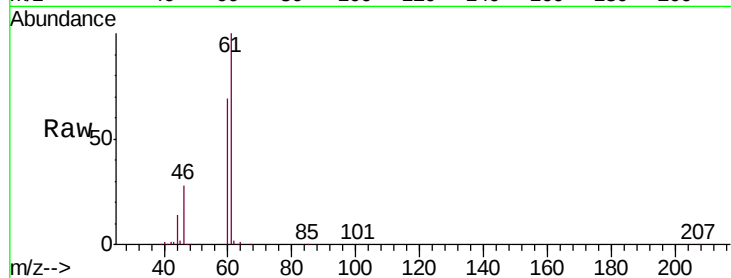
CWJX9DL

Tgt Ion: 62 Resp: 736

Ion Ratio Lower Upper

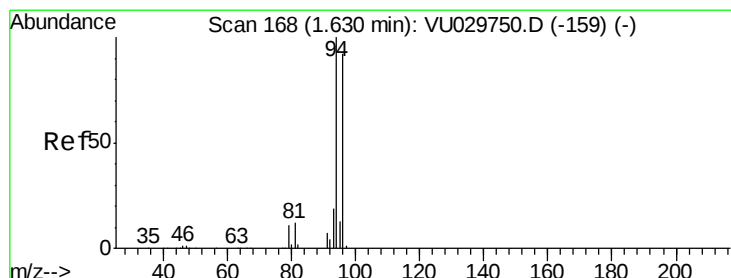
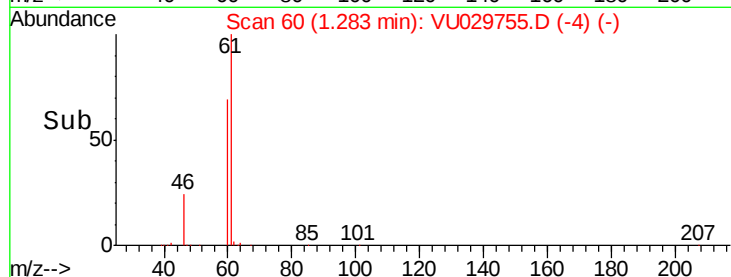
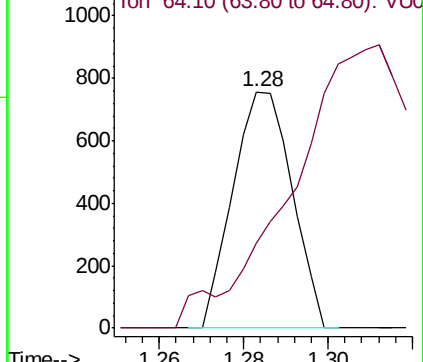
62 100

64 36.0 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.059 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU029755.D

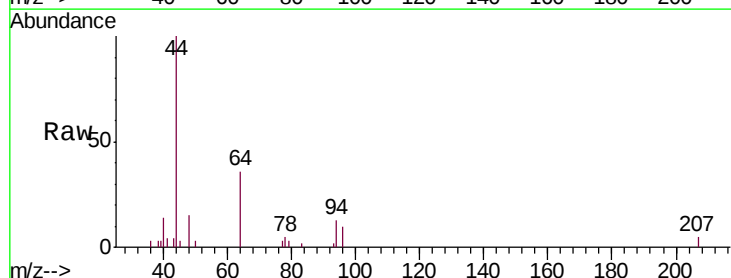
Acq: 01 Mar 2019 11:45

Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

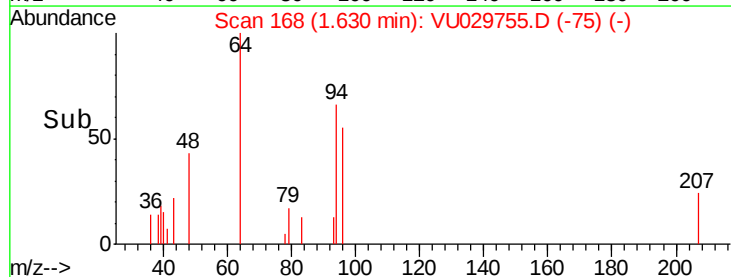
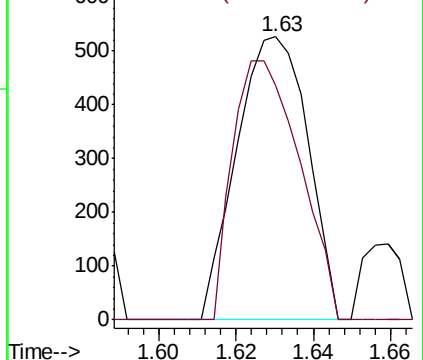
94 100

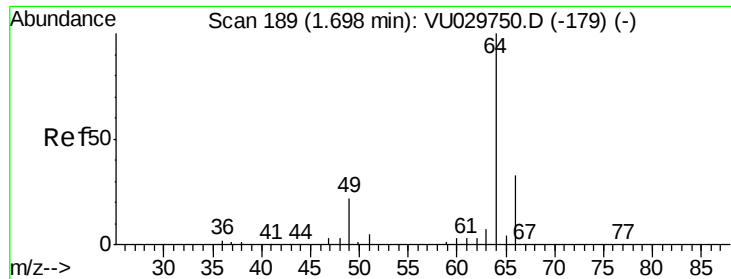
96 82.7 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.198 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampled :

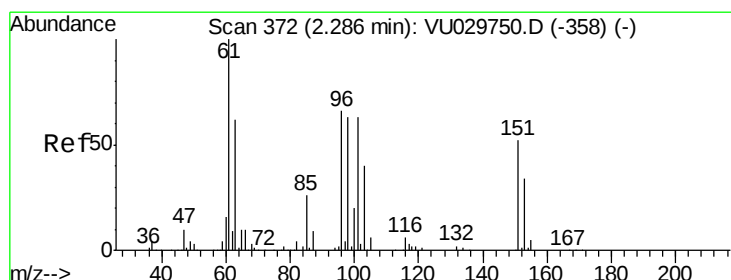
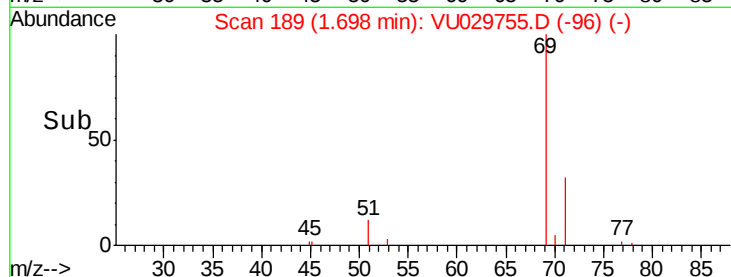
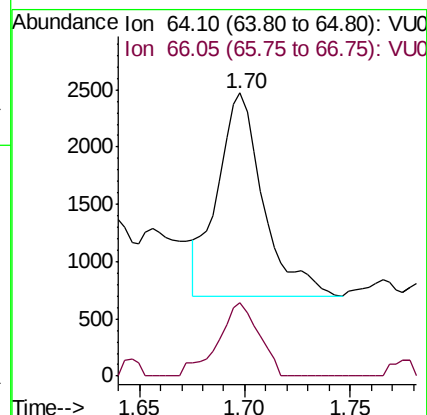
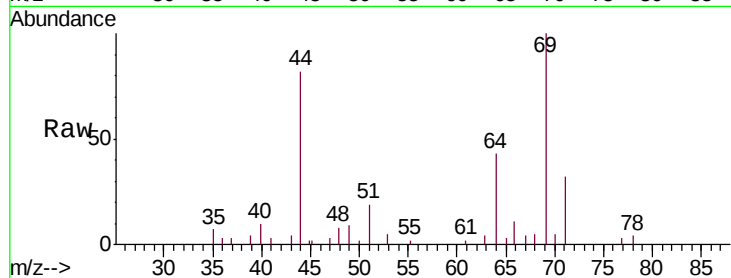
CWJX9DL

Tgt Ion: 64 Resp: 2670

Ion Ratio Lower Upper

64 100

66 26.1 21.4 39.8



#10

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

Concen: 0.050 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

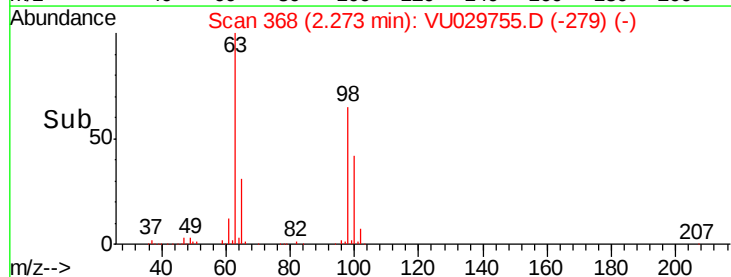
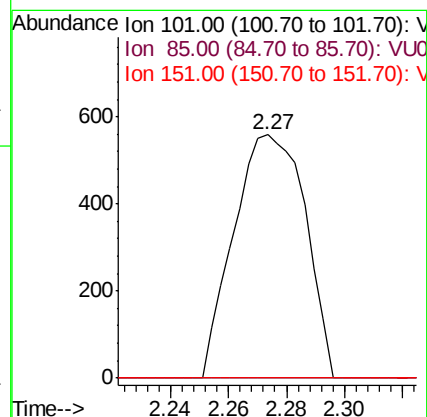
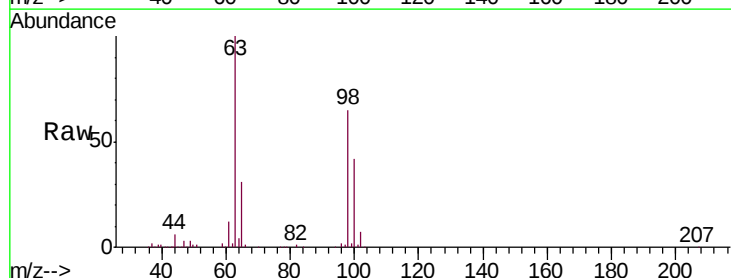
Tgt Ion: 101 Resp: 956

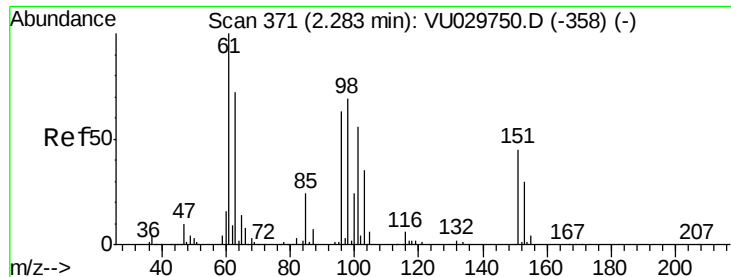
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#





#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampled :

CWJX9DL

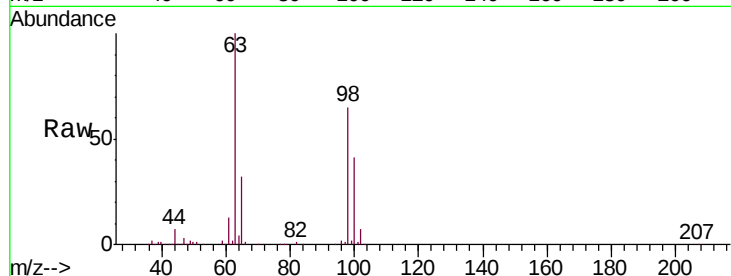
Tgt Ion: 96 Resp: 2329

Ion Ratio Lower Upper

96 100

61 576.4 111.3 206.7#

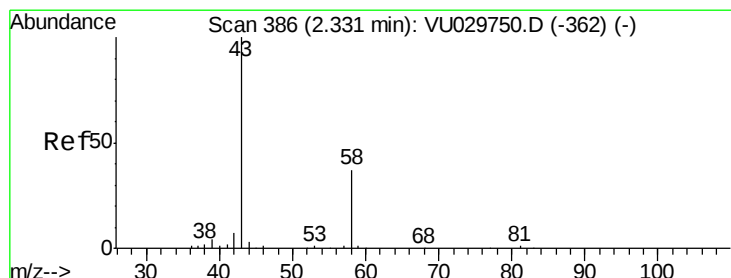
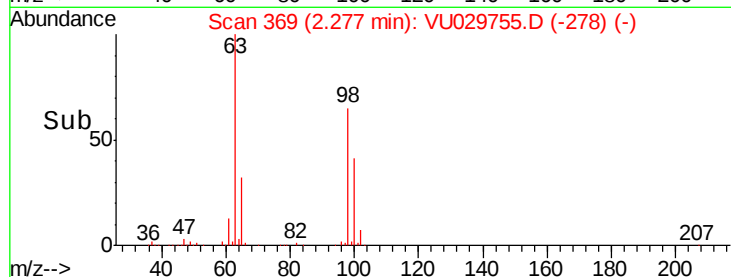
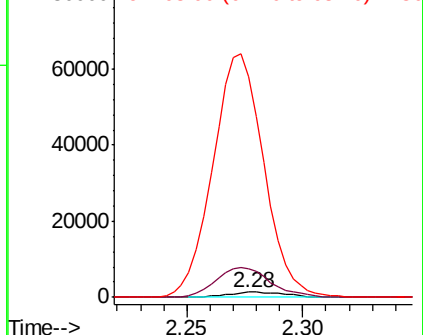
63 4395.8 88.5 164.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.922 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029755.D

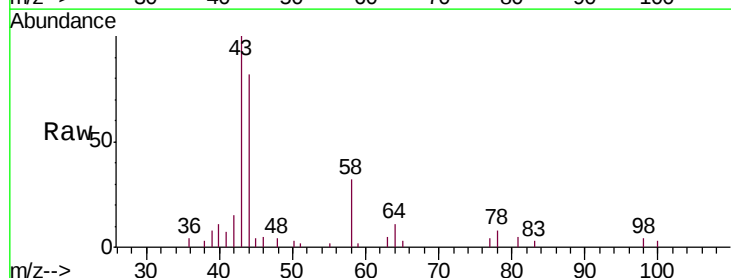
Acq: 01 Mar 2019 11:45

Tgt Ion: 43 Resp: 7550

Ion Ratio Lower Upper

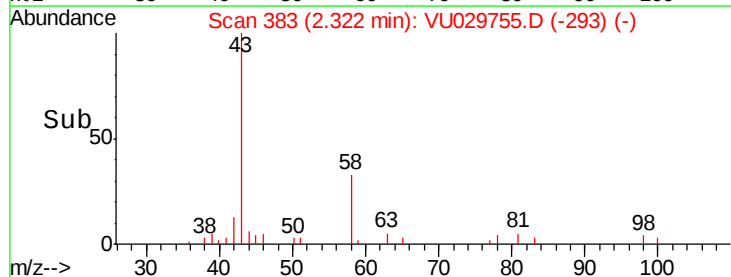
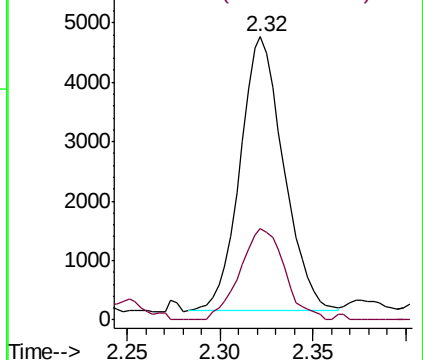
43 100

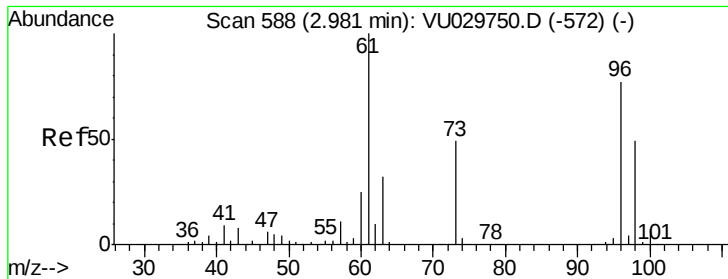
58 34.0 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

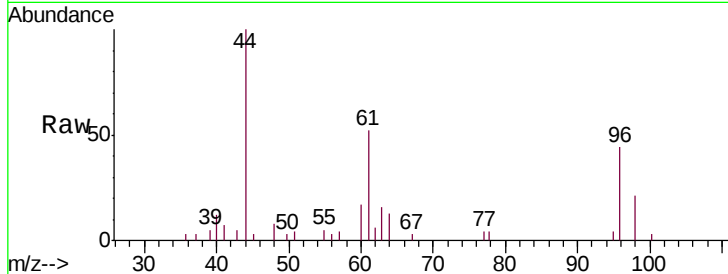




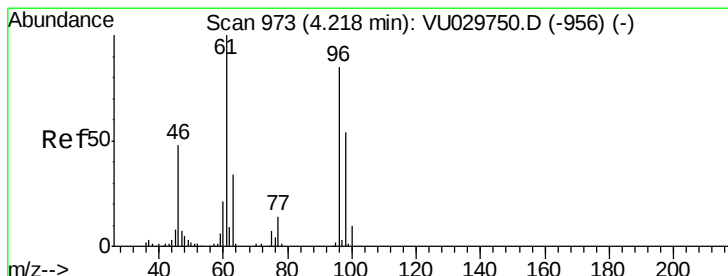
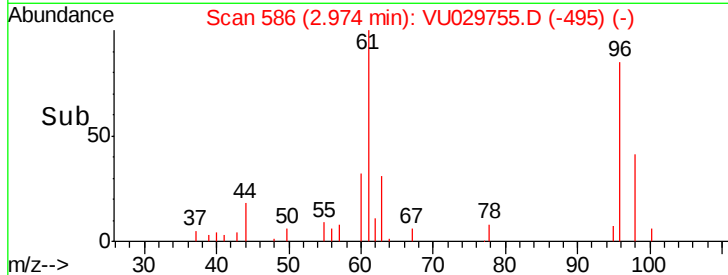
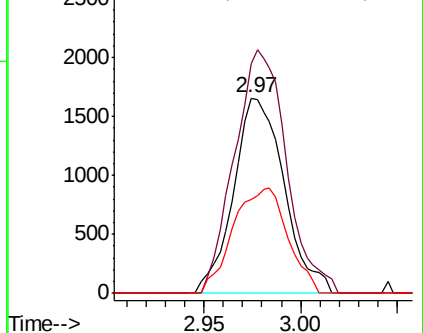
#18
 trans-1,2-Dichloroethene
 Concen: 0.153 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VU029755.D
 Acq: 01 Mar 2019 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJX9DL

Tgt Ion: 96 Resp: 3012
 Ion Ratio Lower Upper
 96 100
 61 117.3 90.3 167.7
 98 48.1 45.2 84.0

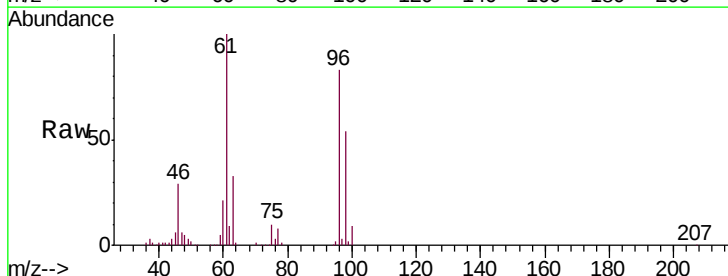


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

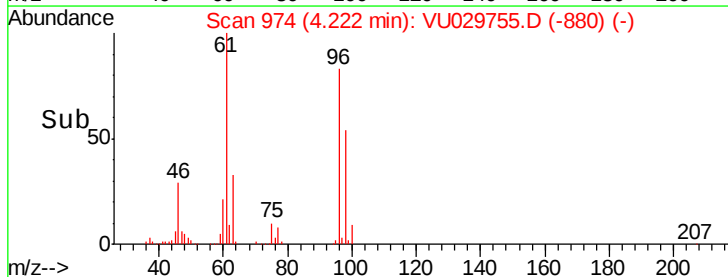
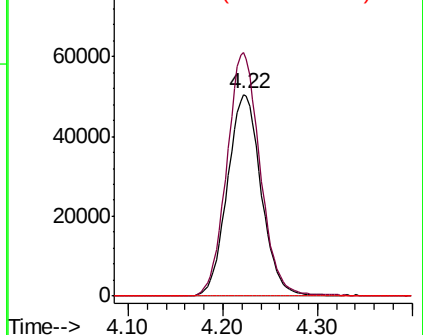


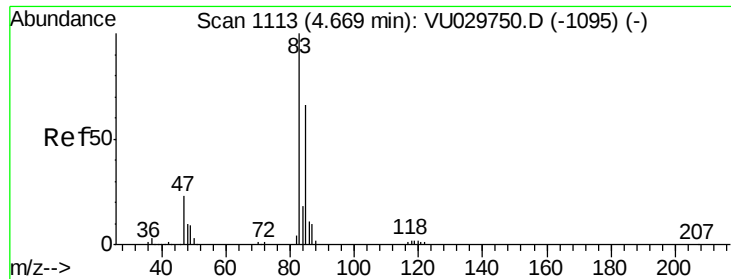
#22
 cis-1,2-Dichloroethene
 Concen: 6.946 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029755.D
 Acq: 01 Mar 2019 11:45

Tgt Ion: 96 Resp: 125088
 Ion Ratio Lower Upper
 96 100
 61 120.9 80.2 149.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

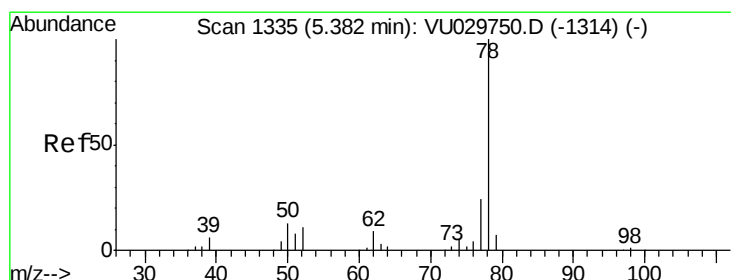
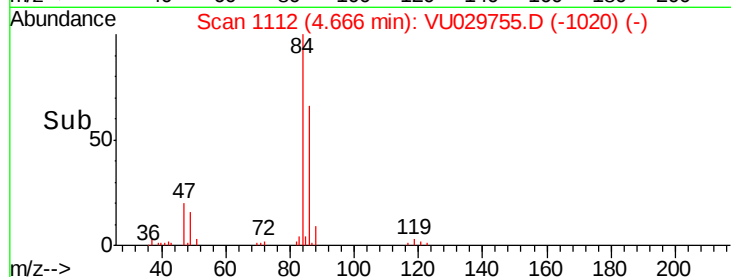
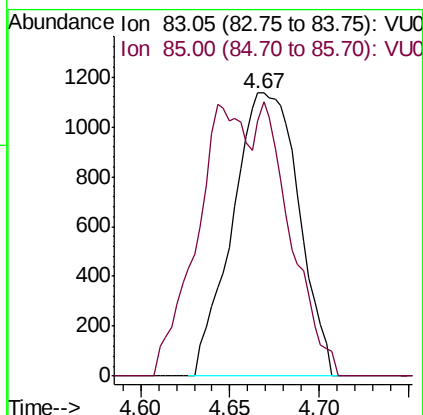
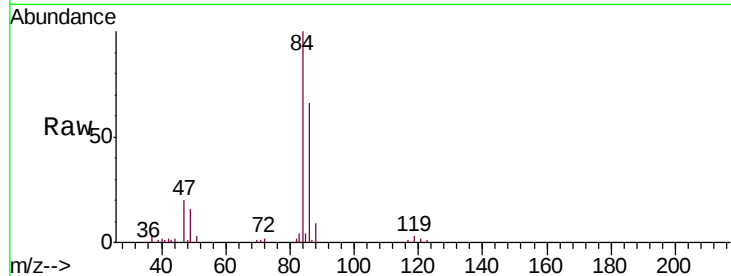




#25
Chloroform
Concen: 0.096 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

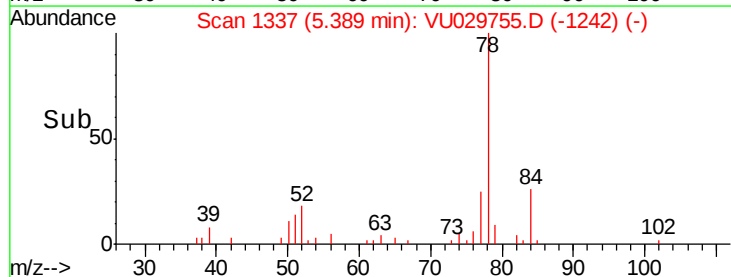
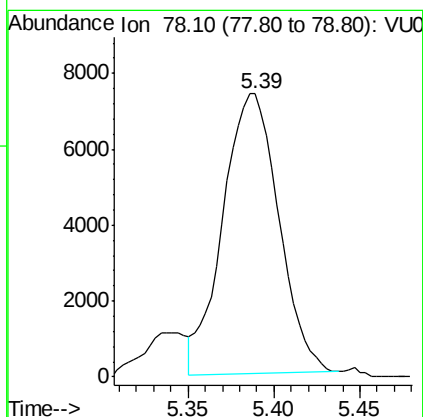
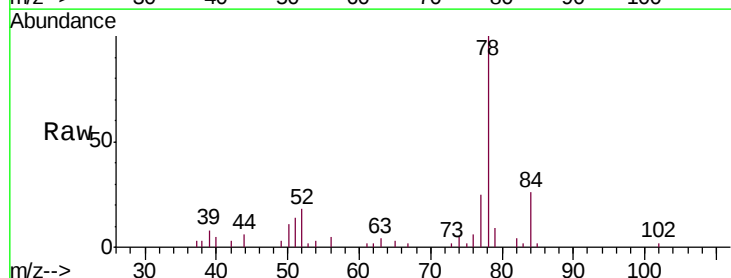
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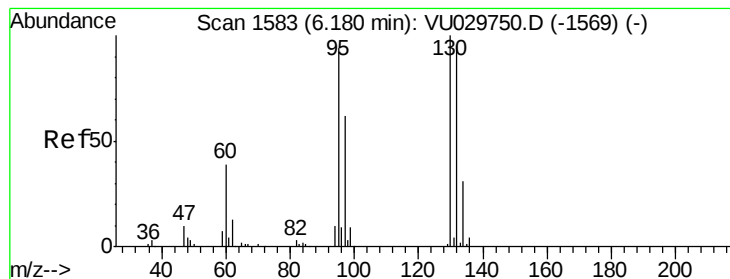
Tgt Ion: 83 Resp: 2937
Ion Ratio Lower Upper
83 100
85 90.0 45.6 84.6#



#33
Benzene
Concen: 0.265 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

Tgt Ion: 78 Resp: 16707





#34

Trichloroethene

Concen: 4.497 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampleId :

CWJX9DL

Tgt Ion: 95 Resp: 79048

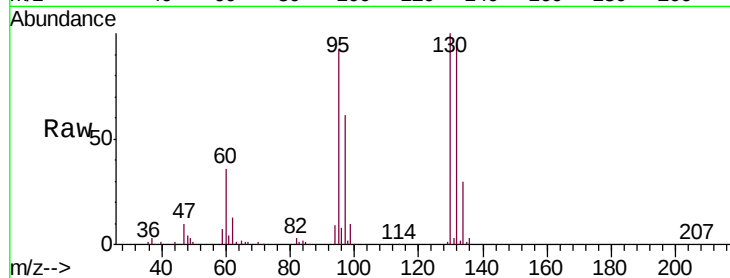
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.8

132 102.5 72.9 135.3

130 108.2 77.5 143.9

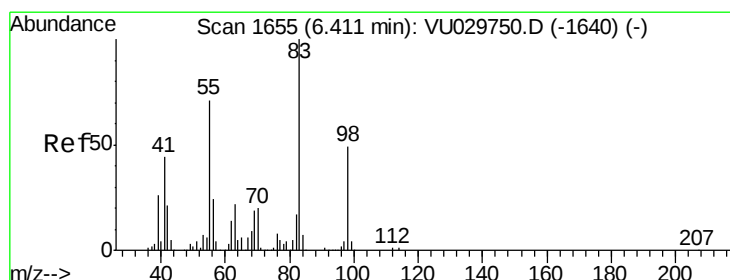
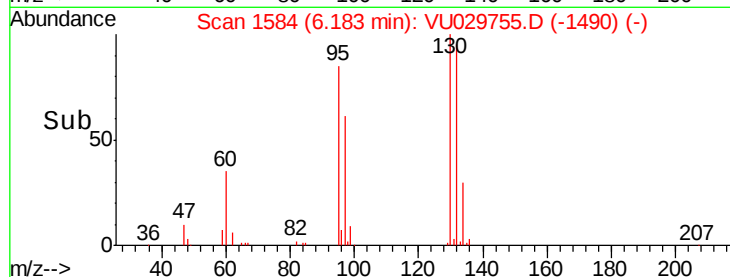
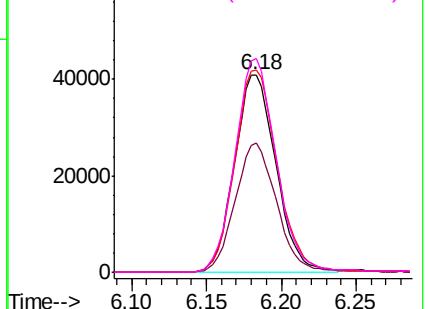


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.768 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

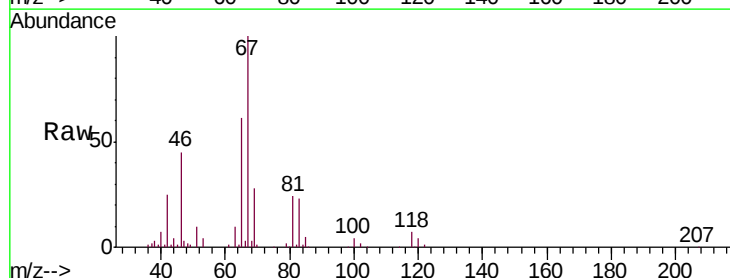
Tgt Ion: 83 Resp: 21898

Ion Ratio Lower Upper

83 100

55 0.3 56.5 84.7#

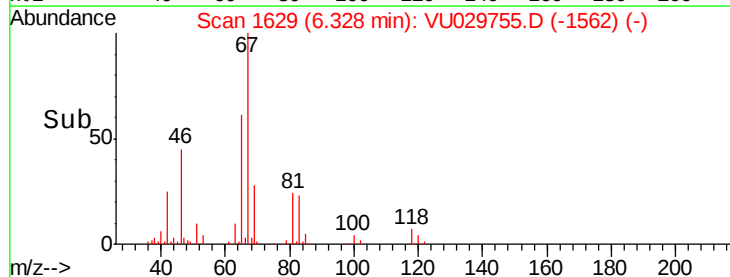
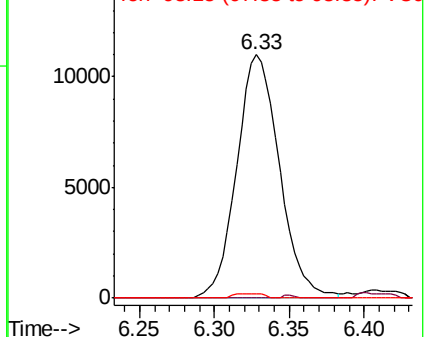
98 1.2 39.4 59.2#

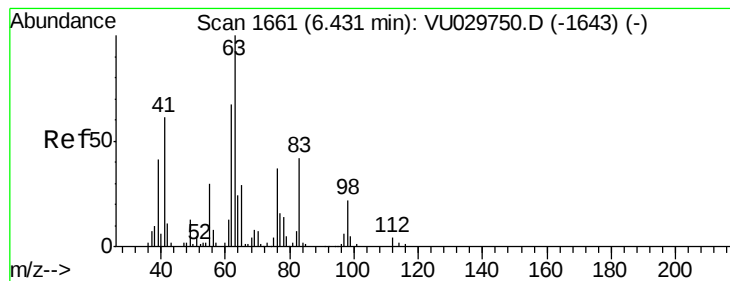


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.605 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampled :

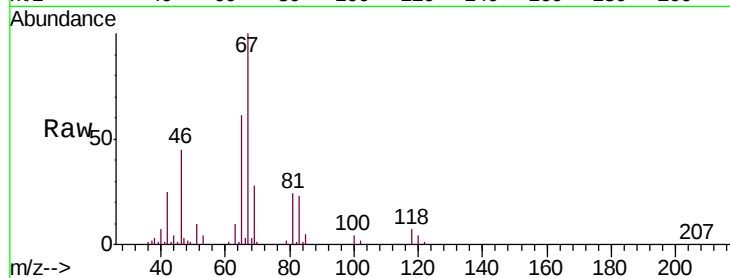
CWJX9DL

Tgt Ion: 63 Resp: 9601

Ion Ratio Lower Upper

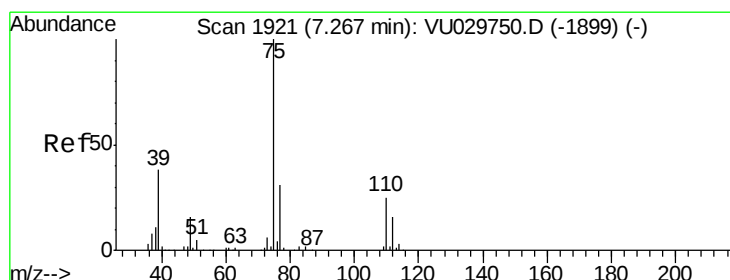
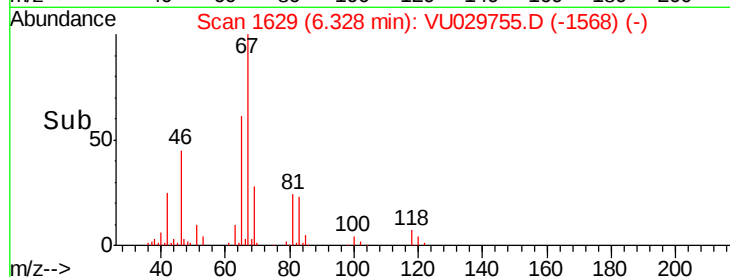
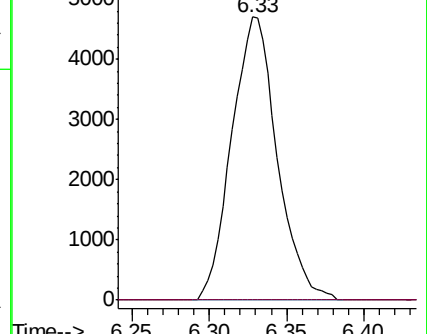
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.23 min Scan# 1910

Delta R.T. -0.04 min

Lab File: VU029755.D

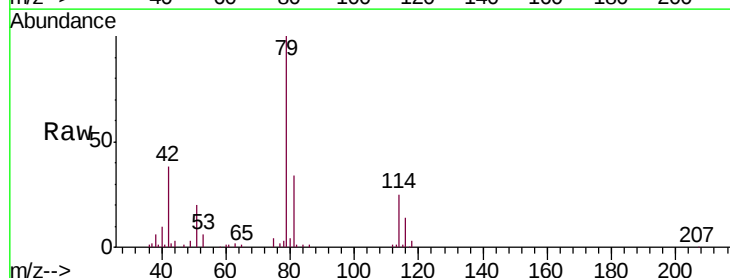
Acq: 01 Mar 2019 11:45

Tgt Ion: 75 Resp: 2167

Ion Ratio Lower Upper

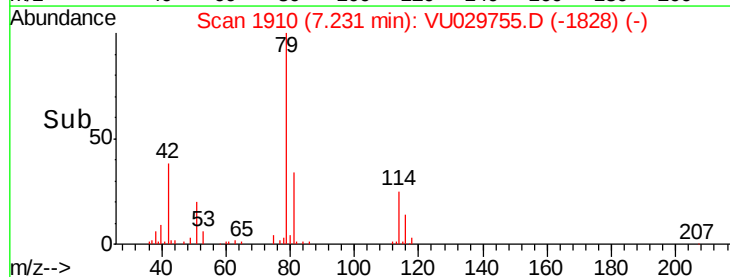
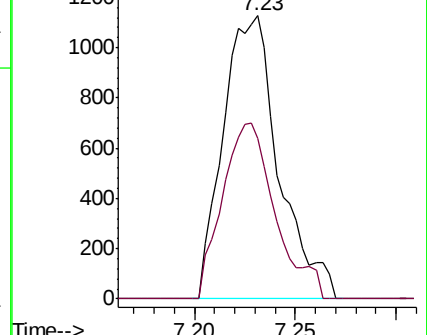
75 100

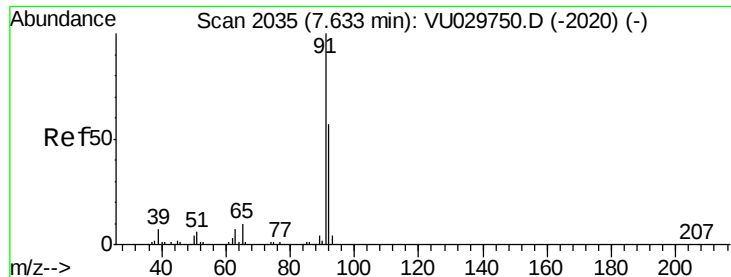
77 56.7 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.110 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Instrument :

MSVOA_U

ClientSampleId :

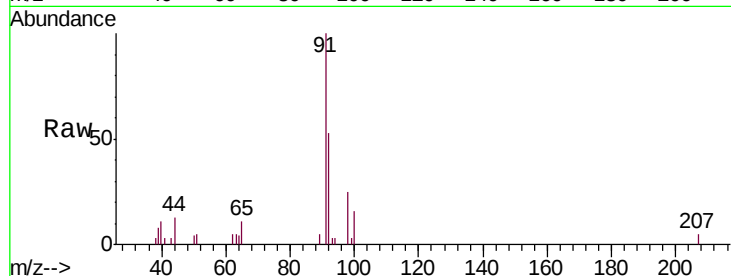
CWJX9DL

Tgt Ion: 91 Resp: 7886

Ion Ratio Lower Upper

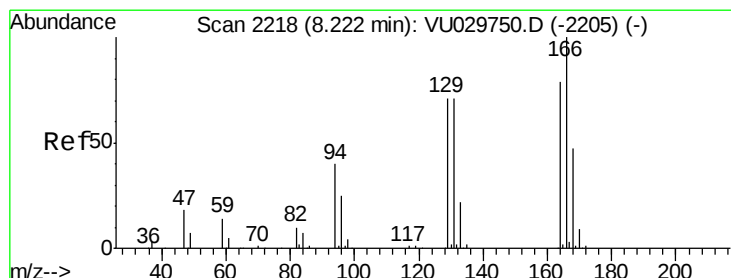
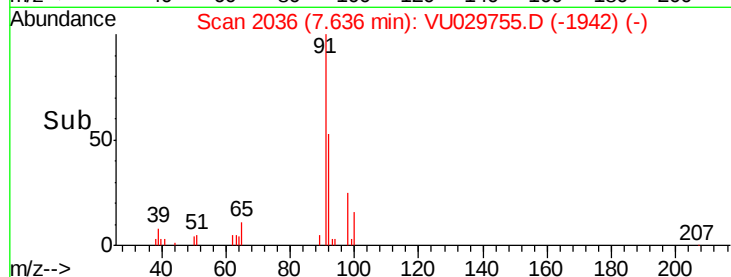
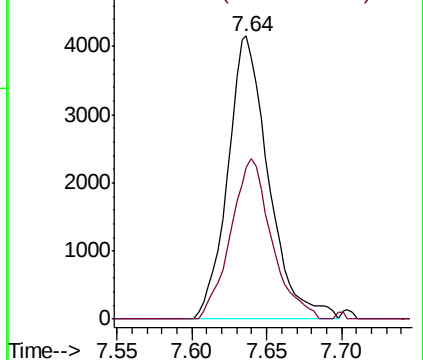
91 100

92 53.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#47

Tetrachloroethene

Concen: 0.438 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029755.D

Acq: 01 Mar 2019 11:45

Tgt Ion: 164 Resp: 7143

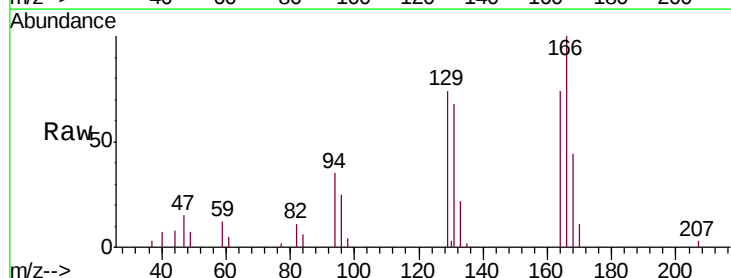
Ion Ratio Lower Upper

164 100

129 99.6 62.9 116.7

131 91.2 61.8 114.8

166 134.3 88.8 164.8

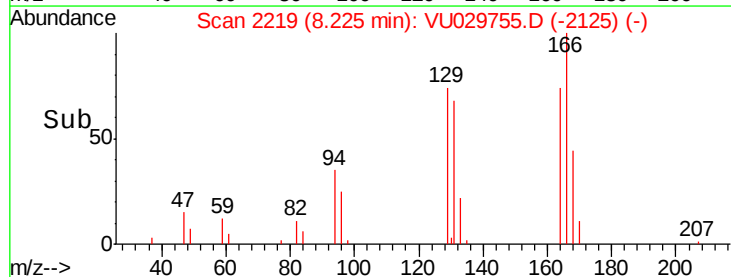
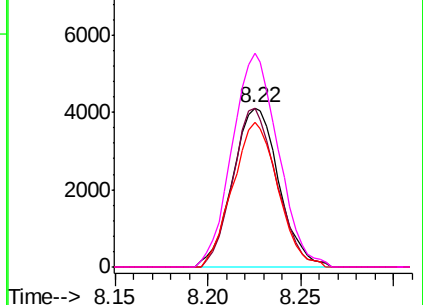


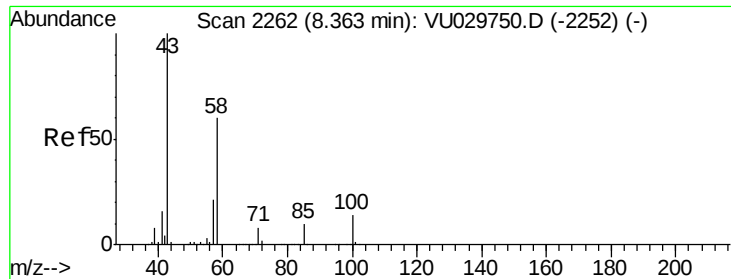
Abundance Ion 163.90 (163.60 to 164.60): V

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

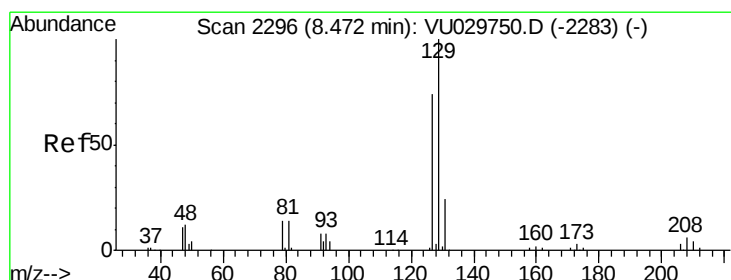
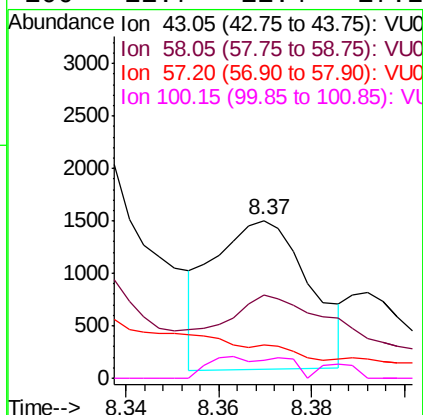
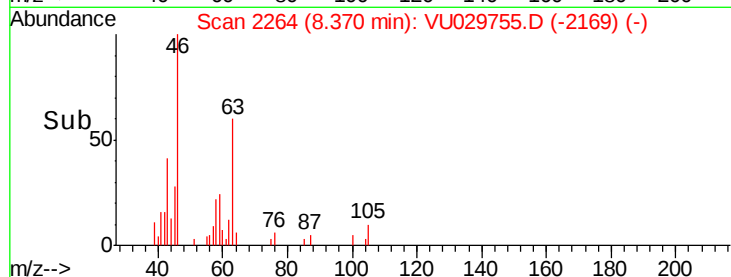
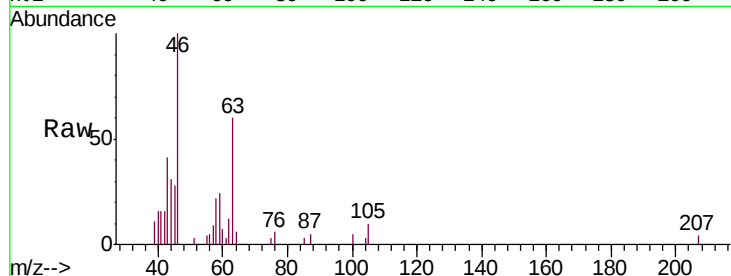




#48
2-Hexanone
Concen: 0.316 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

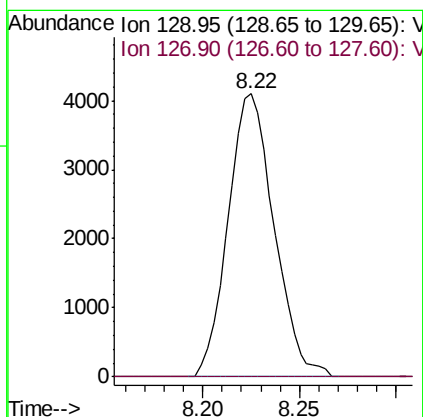
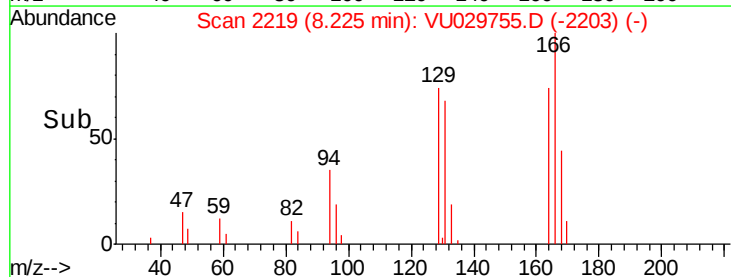
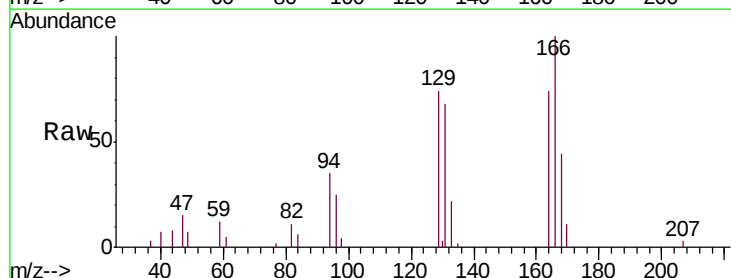
Instrument :
MSVOA_U
ClientSampleId :
CWJX9DL

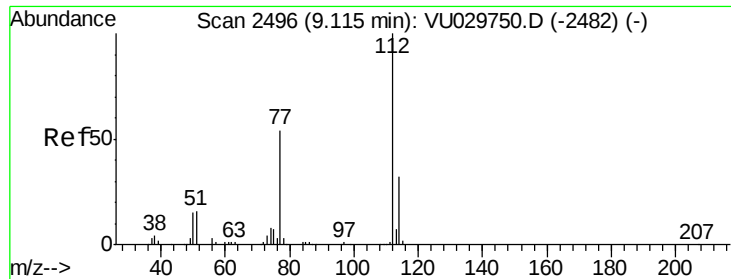
Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
58 86.3 46.6 69.8#
57 0.0 15.9 23.9#
100 11.7 11.4 17.2



#49
Dibromochloromethane
Concen: 0.450 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

Tgt Ion: 129 Resp: 6772
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

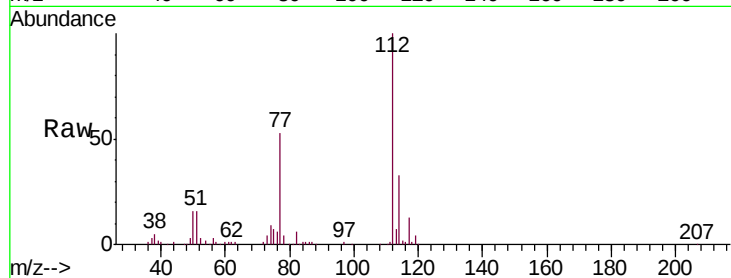




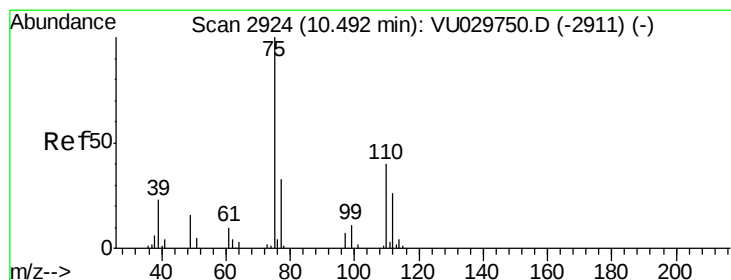
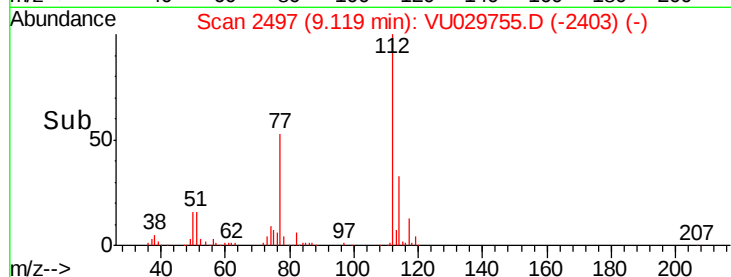
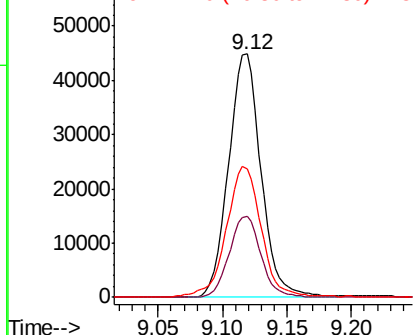
#51
Chlorobenzene
Concen: 1.605 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

Instrument :
MSVOA_U
ClientSampleId :
CWJX9DL

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.3
77	52.8	42.7	64.1

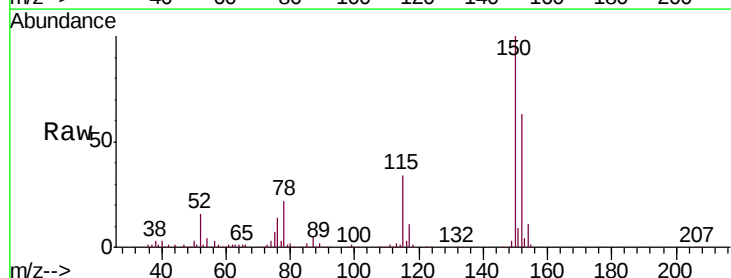


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

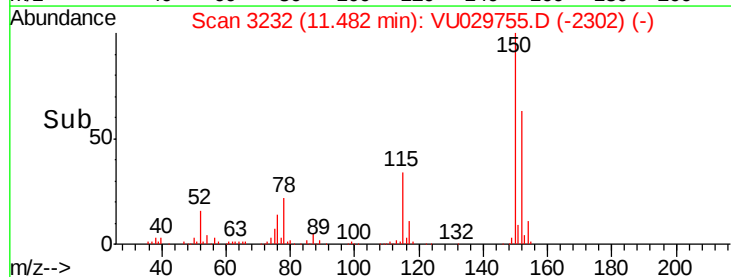
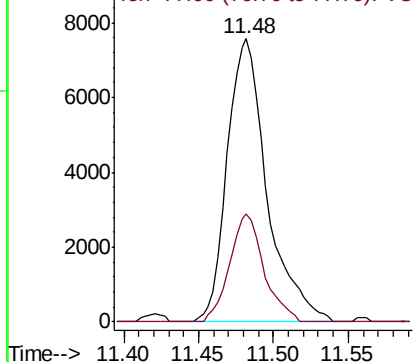


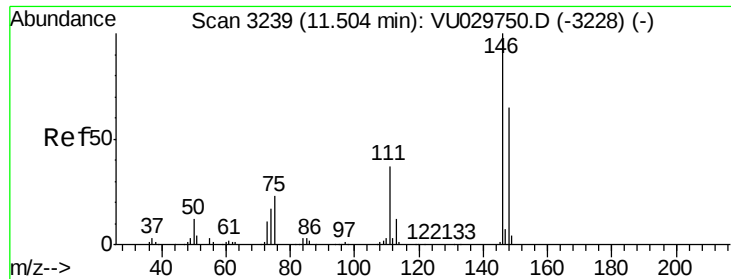
#59
1,2,3-Trichloropropane
Concen: 1.327 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029755.D
Acq: 01 Mar 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

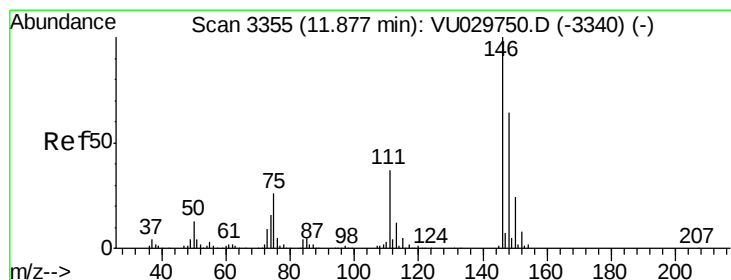
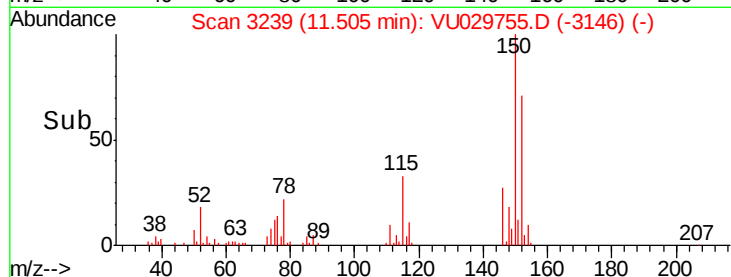
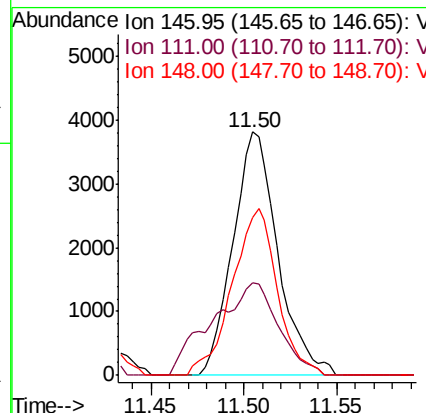
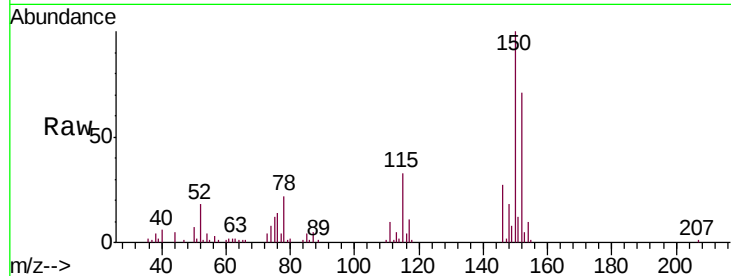




#63
 1,4-Dichlorobenzene
 Concen: 0.169 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029755.D
 Acq: 01 Mar 2019 11:45

Instrument :
 MSVOA_U
 ClientSampled :
 CWJX9DL

Tgt Ion:146 Resp: 6409
 Ion Ratio Lower Upper
 146 100
 111 38.0 25.4 47.2
 148 65.1 43.7 81.1



#65
 1,2-Dichlorobenzene
 Concen: 0.070 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029755.D
 Acq: 01 Mar 2019 11:45

Tgt Ion:146 Resp: 2526
 Ion Ratio Lower Upper
 146 100
 111 47.4 32.2 48.2
 148 73.6 52.2 78.4

