

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028211.D
 Acq On : 17 Nov 2018 02:53
 Operator : MD/SY
 Sample : J5986-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 03:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164200	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156023	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69479	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60571	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.68	69	52011	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.28	63	92322	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.22	46	217399	55.01	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.65	84	103382	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.31	65	63455	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.34	84	219232	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	79245	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.57	98	187993	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.85	79	23775	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.32	63	162903	49.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58439	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	66949	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6150	0.350	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	733	0.068	ug/L #	20
13) Acetone	2.31	43	2449	0.920	ug/L #	44
17) Methyl tert-butyl Ether	3.01	73	38824	1.272	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	1958	0.169	ug/L	71
19) 1,1-Dichloroethane	3.45	63	2266	0.093	ug/L	91
22) cis-1,2-Dichloroethene	4.23	96	82774	6.468	ug/L	95
25) Chloroform	4.67	83	3684	0.168	ug/L	94
33) Benzene	5.40	78	8480	0.161	ug/L	100
34) Trichloroethene	6.19	95	12205	0.940	ug/L	94
35) Methylcyclohexane	6.33	83	16358	0.732	ug/L #	16
37) 1,2-Dichloropropane	6.34	63	8595	0.591	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1771	0.090	ug/L #	37
48) 2-Hexanone	8.32	43	19931	2.798	ug/L #	68
49) Dibromochloromethane	8.23	129	649	0.069	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10112	1.239	ug/L #	82

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration

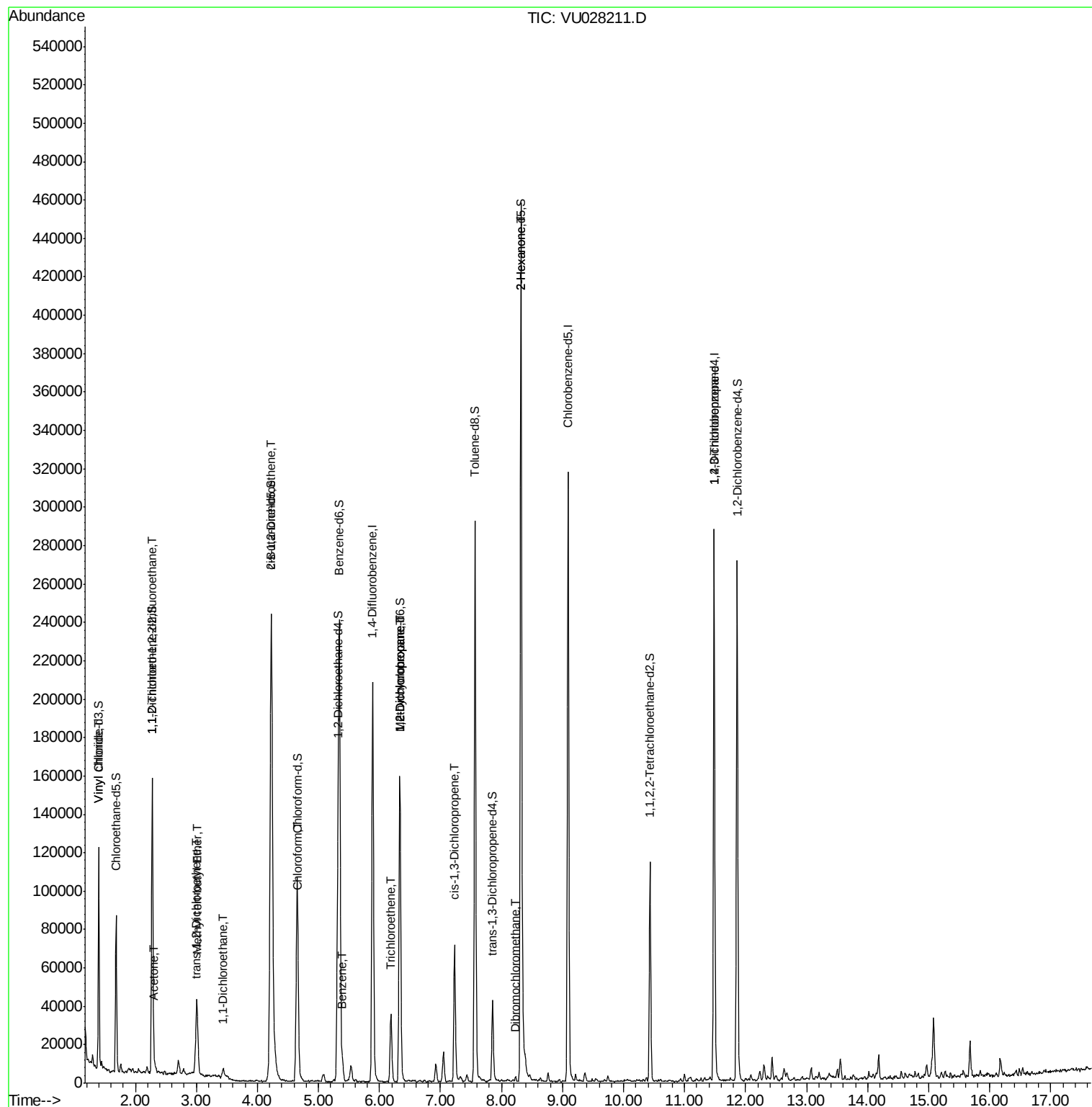
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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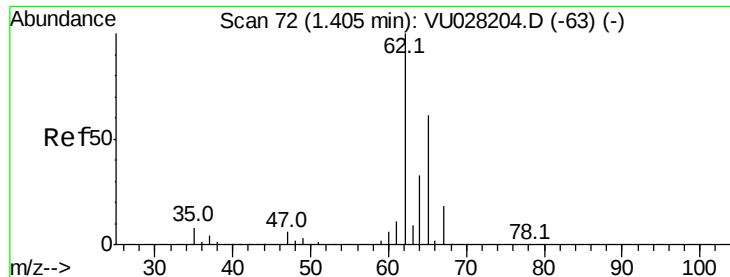
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.350 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

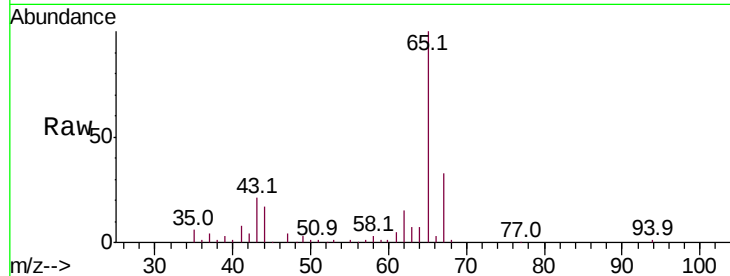
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 6150

Ion Ratio Lower Upper

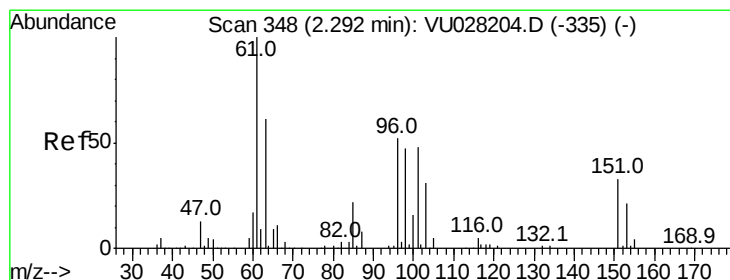
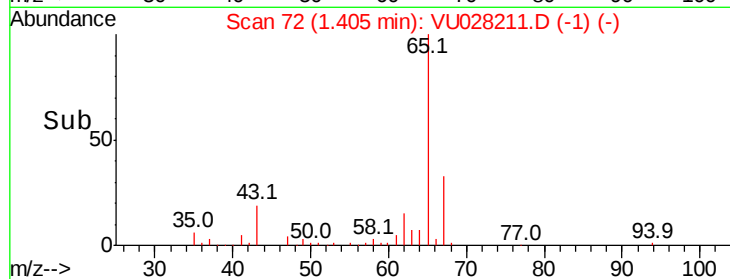
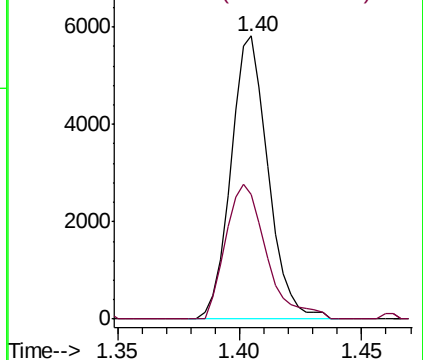
62 100

64 44.3 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028204.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028204.D (-63) (-)



#10

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

Concen: 0.068 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

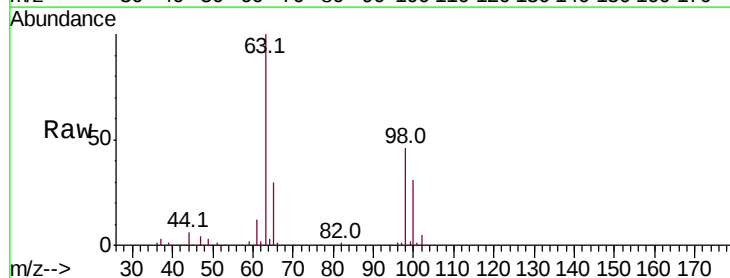
Tgt Ion: 101 Resp: 733

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

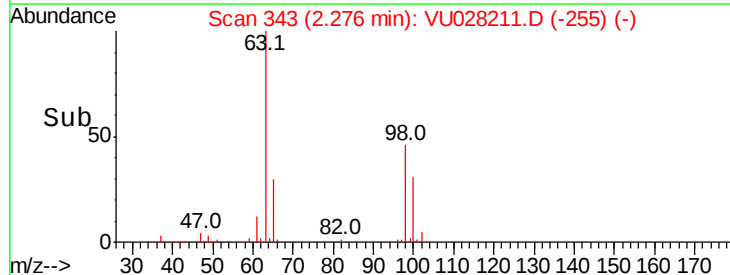
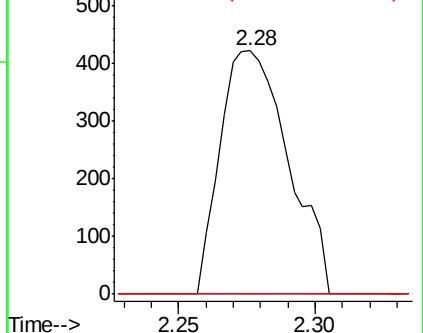
151 0.0 58.2 87.2#

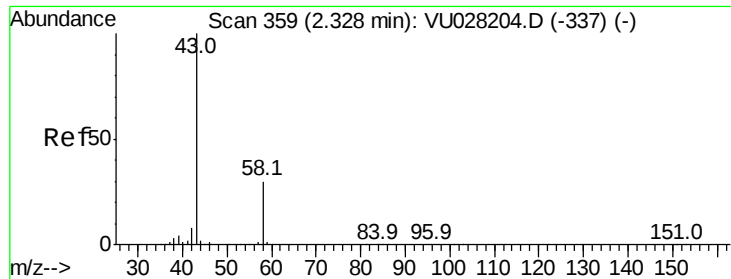


Abundance Ion 101.00 (100.70 to 101.70): VU028211.D (-255) (-)

Ion 85.00 (84.70 to 85.70): VU028211.D (-255) (-)

Ion 151.00 (150.70 to 151.70): VU028211.D (-255) (-)





#13

Acetone

Concen: 0.920 ug/L

RT: 2.31 min Scan# 354

Delta R.T. -0.02 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

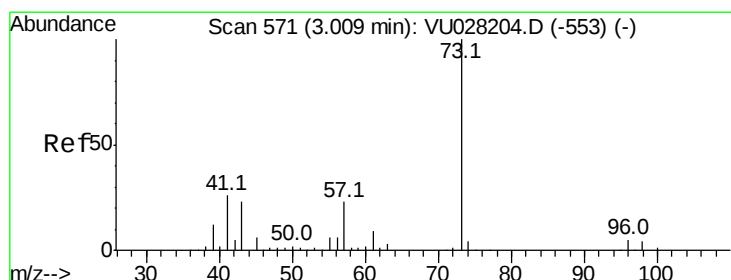
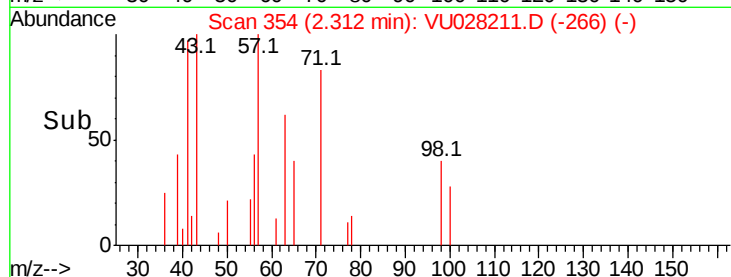
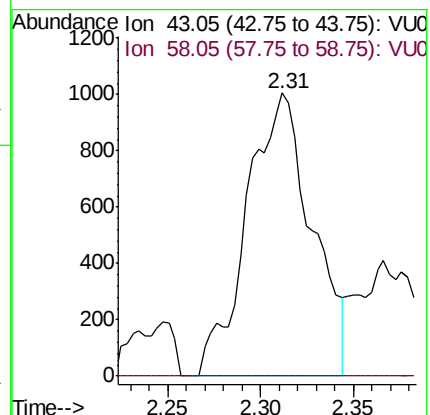
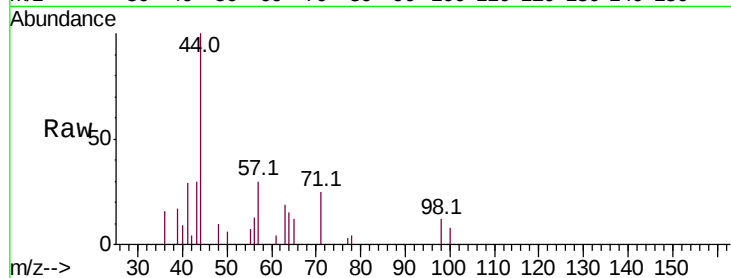
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

58 0.0 0.0 61.6



#17

Methyl tert-butyl Ether

Concen: 1.272 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

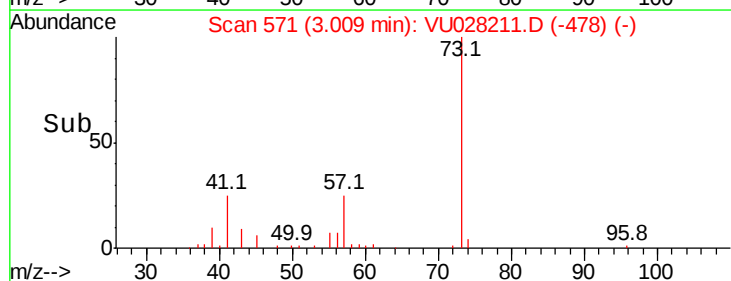
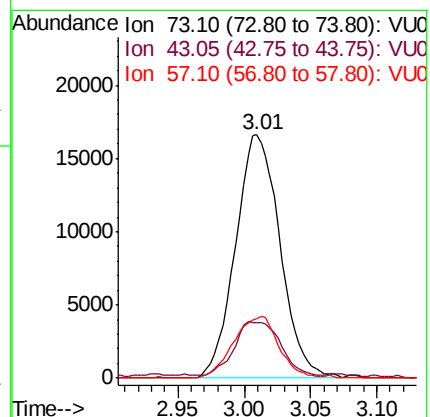
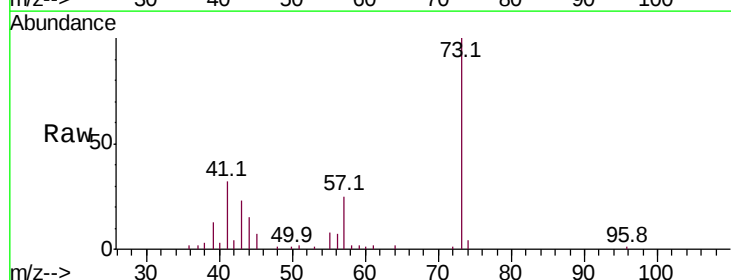
Tgt Ion: 73 Resp: 38824

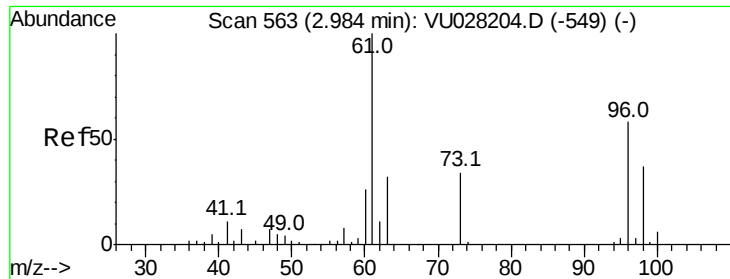
Ion Ratio Lower Upper

73 100

43 23.0 18.1 27.1

57 25.7 20.0 30.0





#18

trans-1,2-Dichloroethene

Concen: 0.169 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

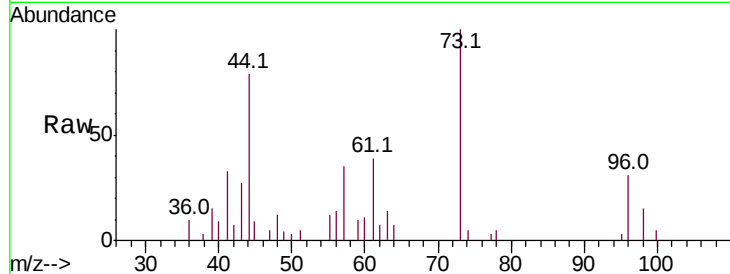
Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 1958

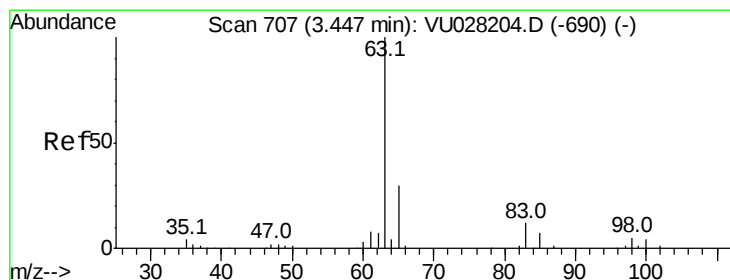
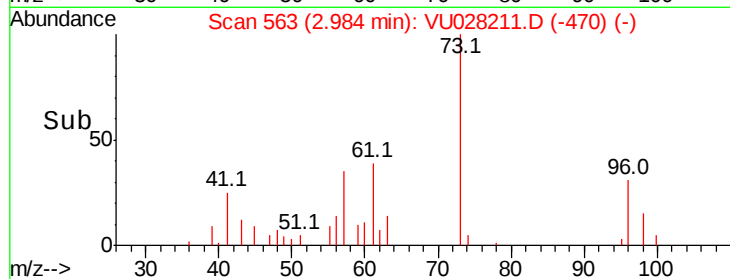
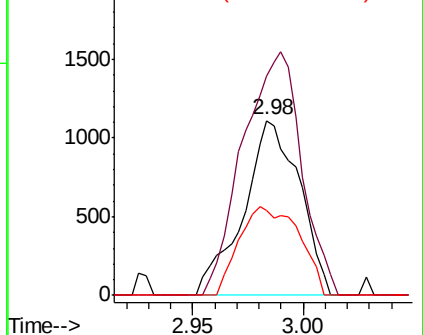
Ion	Ratio	Lower	Upper
96	100		
61	125.4	118.5	220.1
98	48.6	44.9	83.5



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



#19

1,1-Dichloroethane

Concen: 0.093 ug/L

RT: 3.45 min Scan# 707

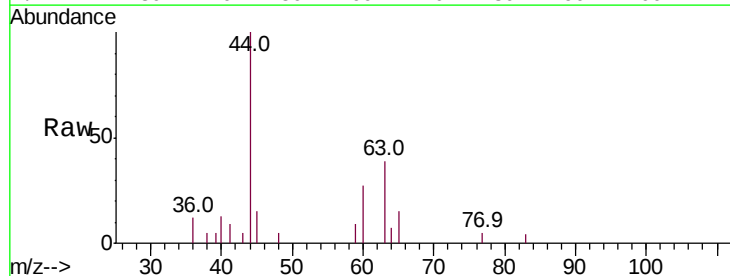
Delta R.T. -0.00 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

Tgt Ion: 63 Resp: 2266

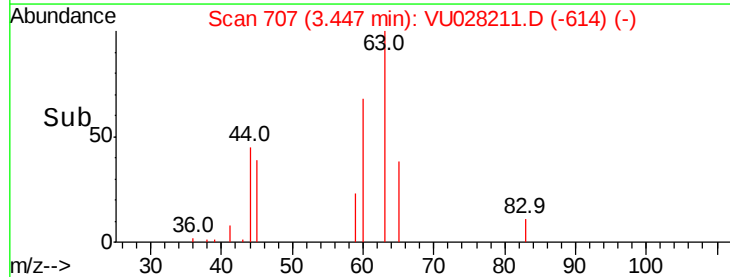
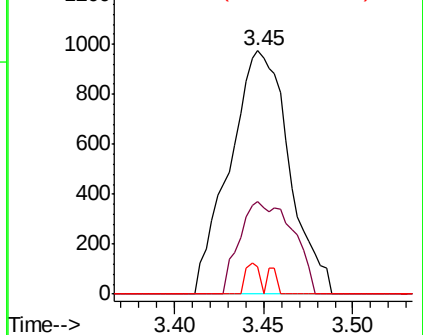
Ion	Ratio	Lower	Upper
63	100		
65	37.9	22.2	41.2
83	11.4	8.9	16.5

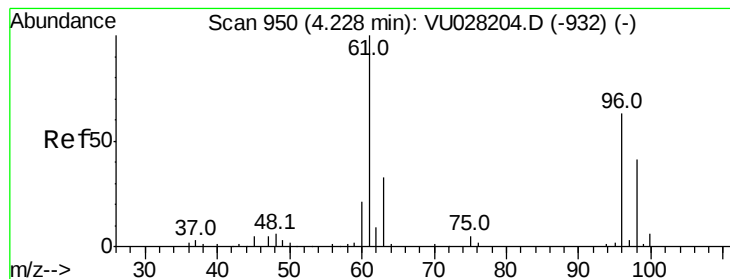


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 6.468 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

Instrument :

MSVOA_U

ClientSampleId :

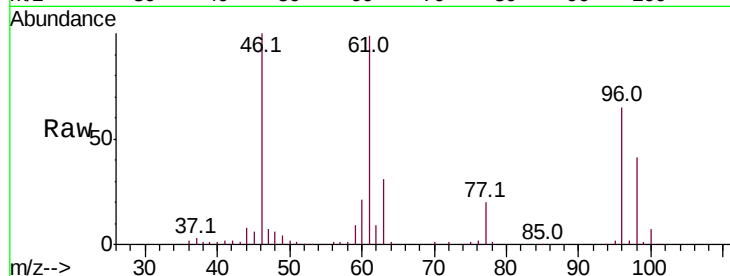
Tot Ion: 96 Resp: 82774

Ion Ratio Lower Upper

96 100

61 152.0 101.8 189.0

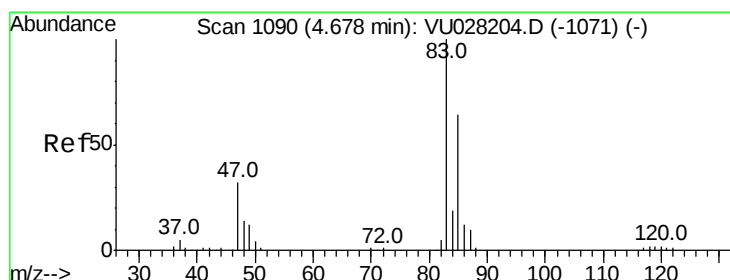
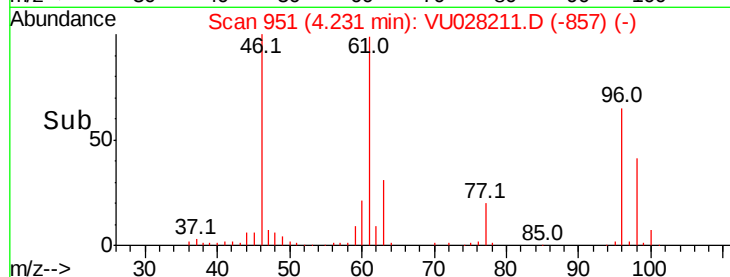
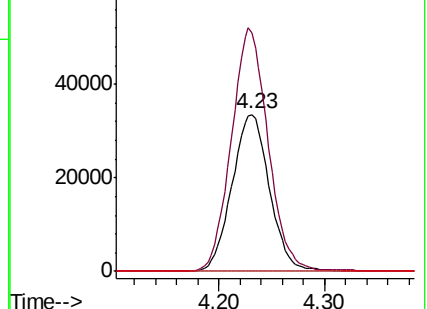
68 0.0 0.0 0.0



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: 0.168 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028211.D

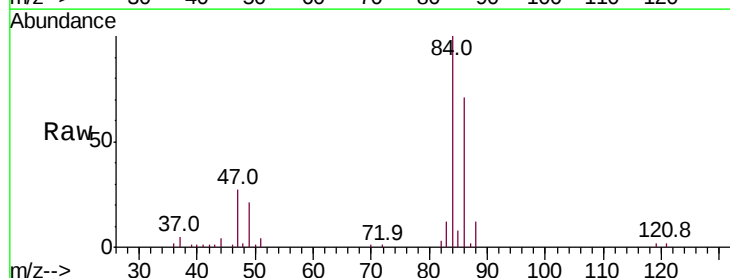
Acq: 17 Nov 2018 02:53

Tgt Ion: 83 Resp: 3684

Ion Ratio Lower Upper

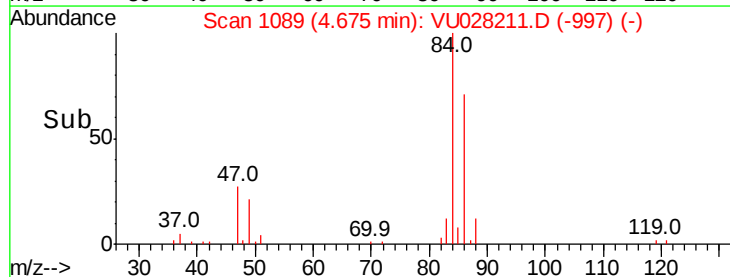
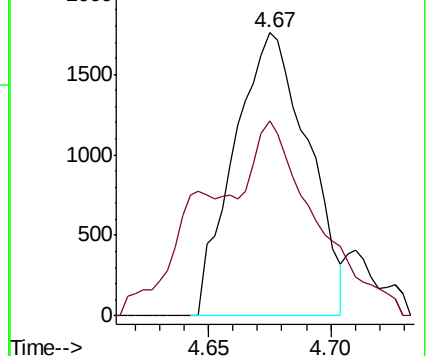
83 100

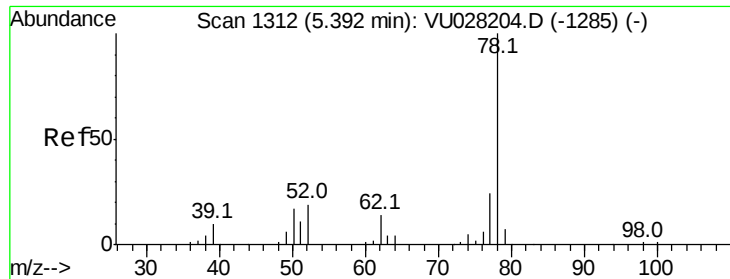
85 68.9 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

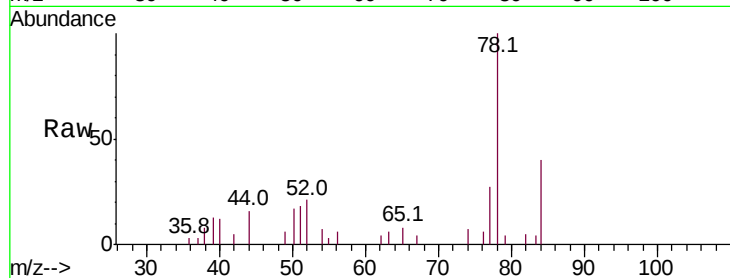




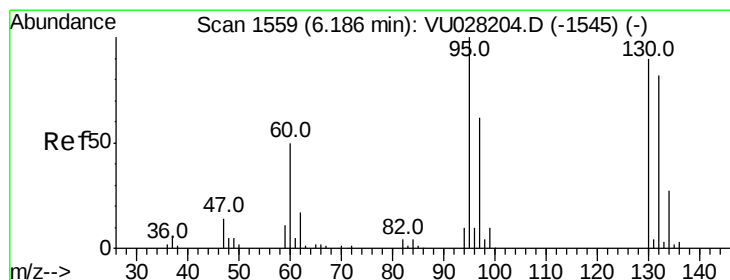
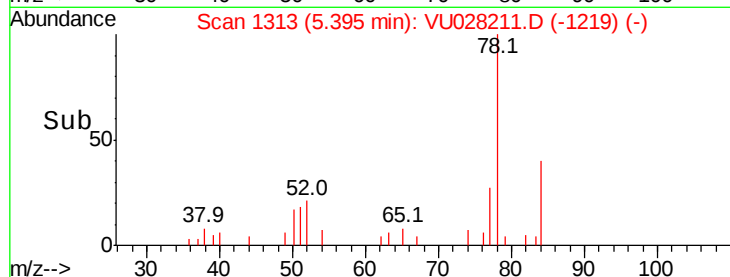
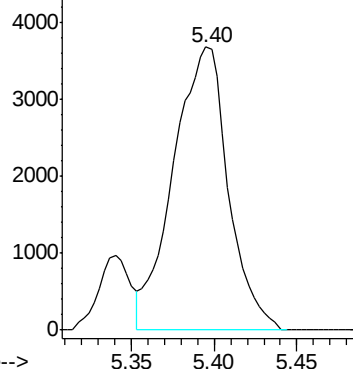
#33
Benzene
Concen: 0.161 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU028211.D
Acq: 17 Nov 2018 02:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 8480



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.940 ug/L
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU028211.D
Acq: 17 Nov 2018 02:53

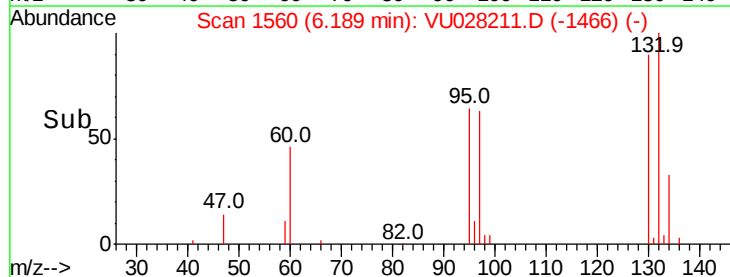
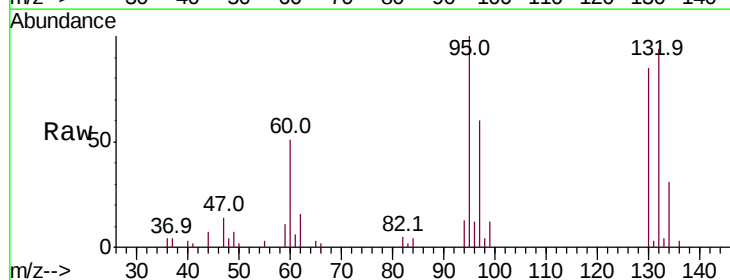
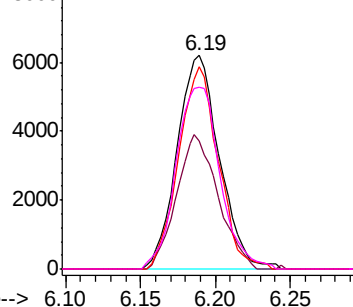
Tgt Ion: 95 Resp: 12205
Ion Ratio Lower Upper
95 100
97 59.7 45.3 84.1
132 94.4 63.0 117.0
130 85.4 63.6 118.2

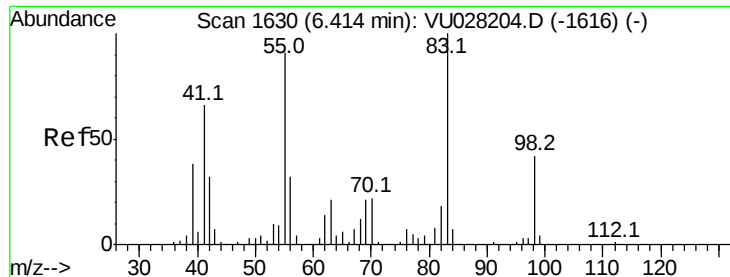
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.732 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

Instrument :

MSVOA_U

ClientSampled :

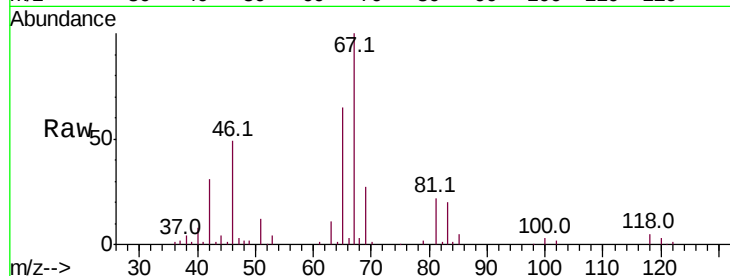
Tot Ion: 83 Resp: 16358

Ion Ratio Lower Upper

83 100

55 0.6 69.0 103.4#

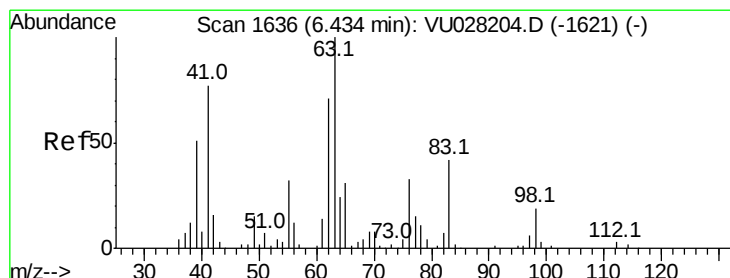
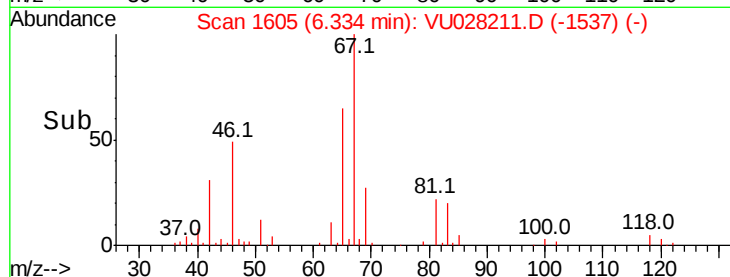
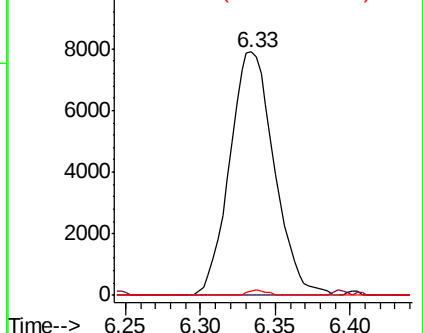
98 0.9 33.3 49.9#



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: 0.591 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU028211.D

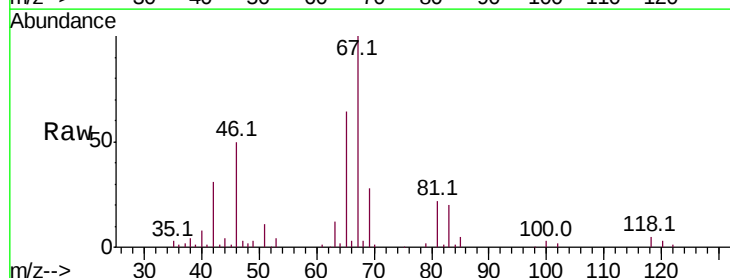
Acq: 17 Nov 2018 02:53

Tgt Ion: 63 Resp: 8595

Ion Ratio Lower Upper

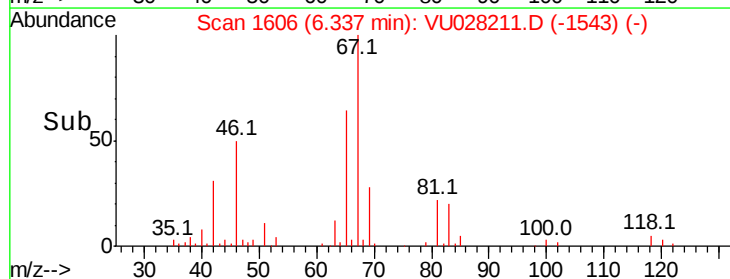
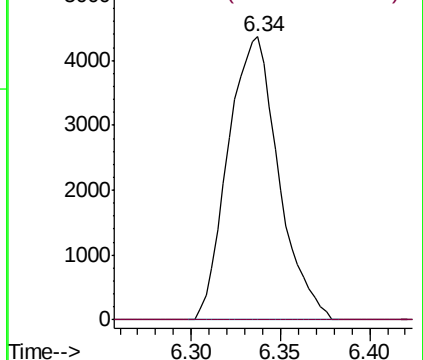
63 100

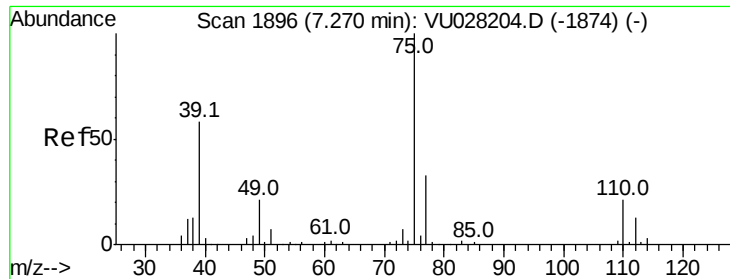
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



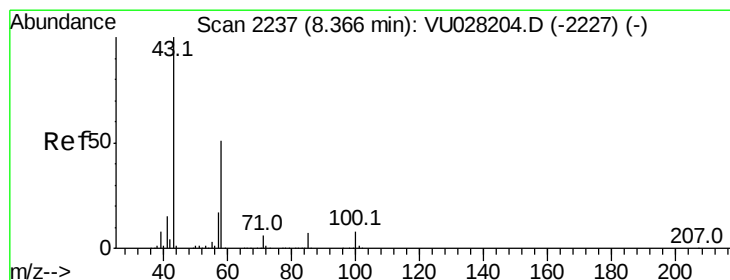
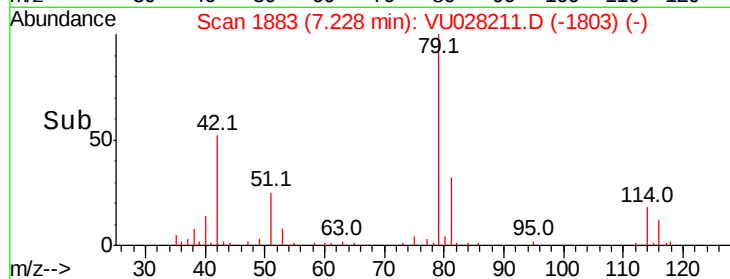
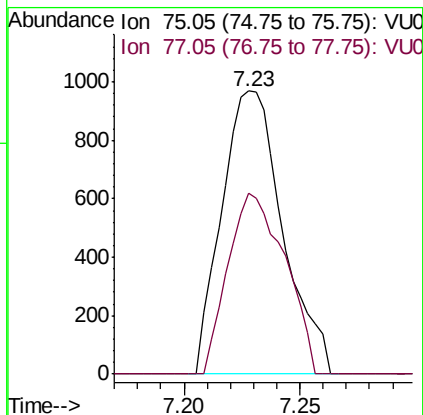
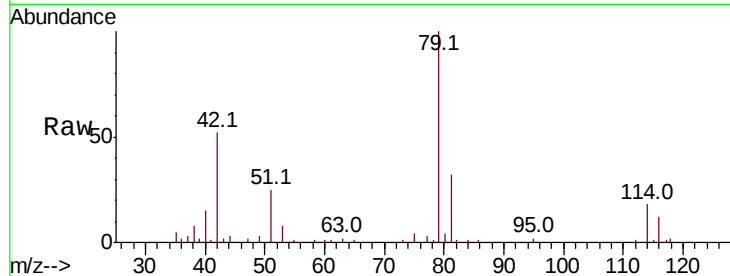


#39

cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028211.D
 Acq: 17 Nov 2018 02:53

Instrument :
 MSVOA_U
 ClientSampleId :

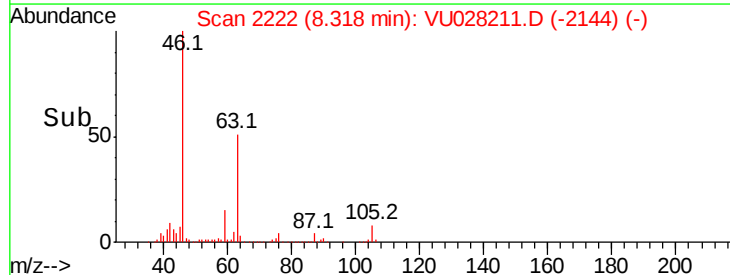
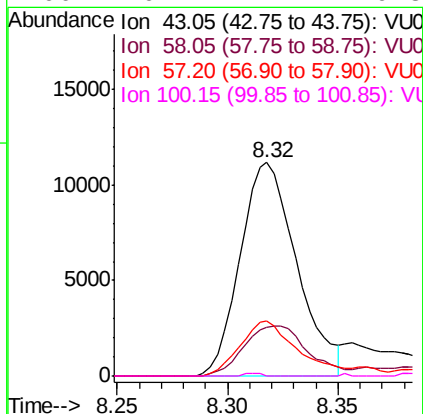
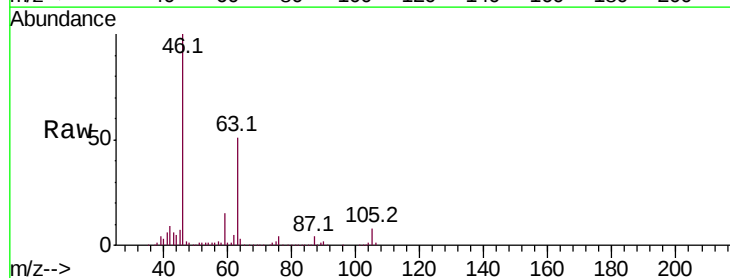
Tot Ion: 75 Resp: 1771
 Ion Ratio Lower Upper
 75 100
 77 64.0 20.9 38.9#

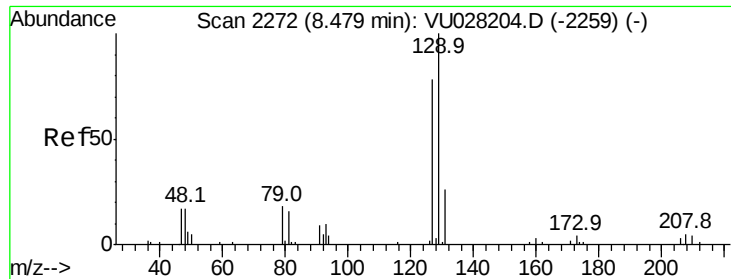


#48

2-Hexanone
 Concen: 2.798 ug/L
 RT: 8.32 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: VU028211.D
 Acq: 17 Nov 2018 02:53

Tgt Ion: 43 Resp: 19931
 Ion Ratio Lower Upper
 43 100
 58 26.1 41.7 62.5#
 57 26.5 14.0 21.0#
 100 0.4 7.2 10.8#





#49

Dibromochloromethane

Concen: 0.069 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028211.D

Acq: 17 Nov 2018 02:53

Instrument :

MSVOA_U

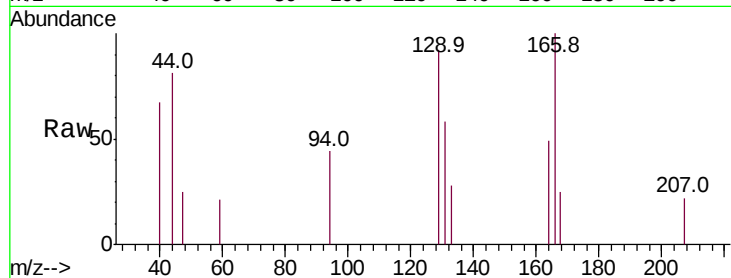
ClientSampleId :

Tot Ion:129 Resp: 649

Ion Ratio Lower Upper

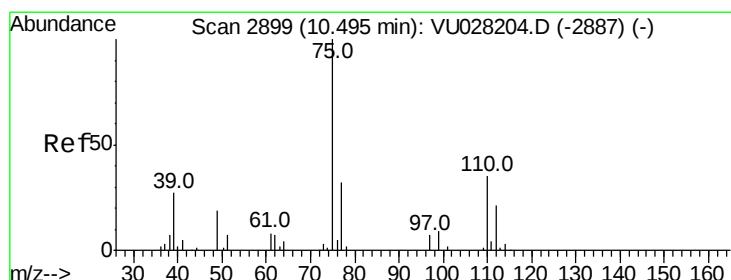
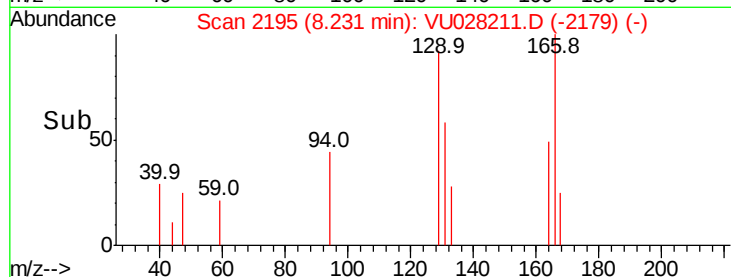
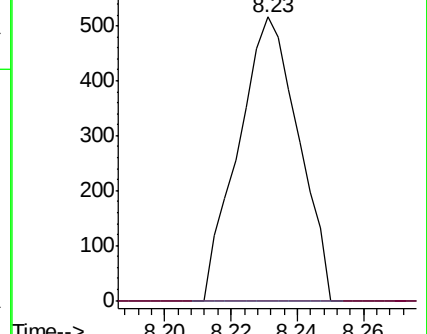
129 100

127 0.0 54.1 100.5#



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: 1.239 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028211.D

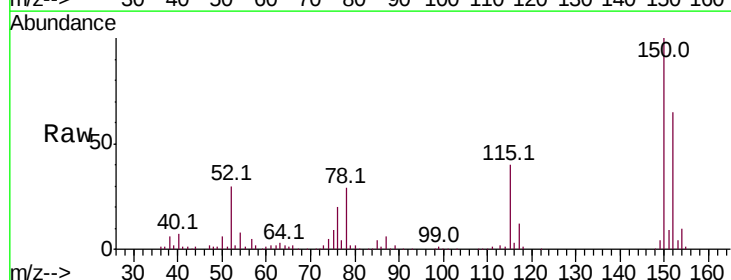
Acq: 17 Nov 2018 02:53

Tgt Ion: 75 Resp: 10112

Ion Ratio Lower Upper

75 100

77 41.8 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

