

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028216.D
 Acq On : 17 Nov 2018 04:52
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 05:59:33 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	142523	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	140338	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69485	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62839	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.68	69	49853	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.28	63	118174	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	4.20	46	206570	60.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.44%
24) Chloroform-d	4.65	84	104414	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	5.31	65	60141	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.34	84	211108	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.33	67	76649	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.57	98	188540	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.85	79	23494	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.31	63	153648	52.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51490	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	64314	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	65144	5.182	ug/L 99
3) Chloromethane	1.33	50	78846	4.907	ug/L 99
5) Vinyl chloride	1.40	62	78200	5.123	ug/L 100
6) Bromomethane	1.63	94	47781	6.535	ug/L 99
8) Chloroethane	1.70	64	44433	4.835	ug/L 99
9) Trichlorofluoromethane	1.89	101	91034	5.467	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	47280	5.058	ug/L 97
12) 1,1-Dichloroethene	2.29	96	45778	4.831	ug/L 87
13) Acetone	2.33	43	136325	59.010	ug/L 97
14) Carbon disulfide	2.48	76	143568	4.518	ug/L 97
15) Methyl Acetate	2.62	43	32375	5.240	ug/L 97
16) Methylene chloride	2.70	84	66621	5.950	ug/L 95
17) Methyl tert-butyl Ether	3.01	73	138697	5.235	ug/L 98
18) trans-1,2-Dichloroethene	2.99	96	49272	4.890	ug/L 95
19) 1,1-Dichloroethane	3.45	63	111588	5.266	ug/L 100
21) 2-Butanone	4.28	43	216247	59.313	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	59181	5.328	ug/L 95

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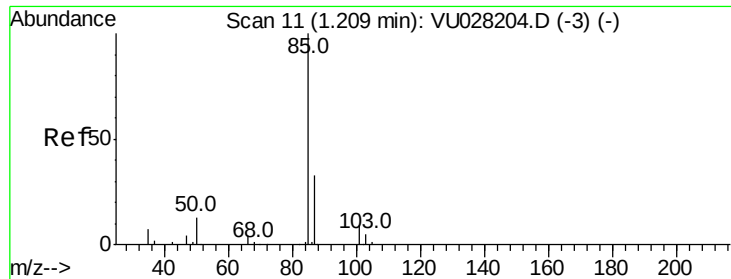
Instrument :
 MSVOA_U
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Quant Time: Nov 17 05:59:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	22447	5.114	ug/L	89
25) Chloroform	4.68	83	109324	5.752	ug/L	96
27) 1,2-Dichloroethane	5.41	62	73554	5.888	ug/L	97
29) 1,1,1-Trichloroethane	4.92	97	81316	5.119	ug/L	98
30) Cyclohexane	5.00	56	107078	4.808	ug/L	98
31) Carbon tetrachloride	5.13	117	67812	5.144	ug/L	97
33) Benzene	5.39	78	240530	5.088	ug/L	100
34) Trichloroethene	6.19	95	68980	5.903	ug/L	97
35) Methylcyclohexane	6.42	83	91560	4.558	ug/L	93
37) 1,2-Dichloropropane	6.43	63	69411	5.309	ug/L	100
38) Bromodichloromethane	6.76	83	70223	5.048	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	83087	4.700	ug/L	96
40) 4-Methyl-2-pentanone	7.47	43	510431	56.693	ug/L	96
42) Toluene	7.64	91	246453	5.056	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	64184	4.634	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	42226	5.350	ug/L	98
47) Tetrachloroethene	8.23	164	40667	4.281	ug/L	97
48) 2-Hexanone	8.37	43	371040	57.918	ug/L	98
49) Dibromochloromethane	8.48	129	41896	4.986	ug/L	96
50) 1,2-Dibromoethane	8.59	107	38366	5.163	ug/L	95
51) Chlorobenzene	9.12	112	142729	5.007	ug/L	96
52) Ethylbenzene	9.25	91	264827	4.977	ug/L	99
53) m,p-xylene	9.38	106	95260	4.914	ug/L	96
54) o-xylene	9.78	106	93469	5.008	ug/L	96
55) Styrene	9.79	104	158928	5.036	ug/L	99
56) Isopropylbenzene	10.17	105	247593	4.905	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	45000	4.423	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	39334	5.356	ug/L	98
61) Bromoform	9.96	173	21834	4.647	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	106272	4.837	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	110103	4.951	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	102398	4.874	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	8060	5.287	ug/L	85
67) 1,3,5-Trichlorobenzene	12.89	180	82863	4.916	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	71255	4.850	ug/L	98
69) Naphthalene	13.74	128	130102	4.752	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	66819	4.937	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.182 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

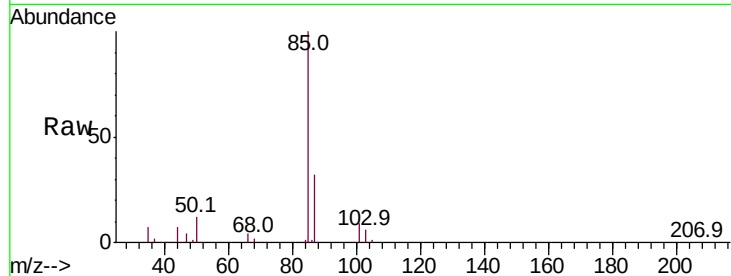
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 65144

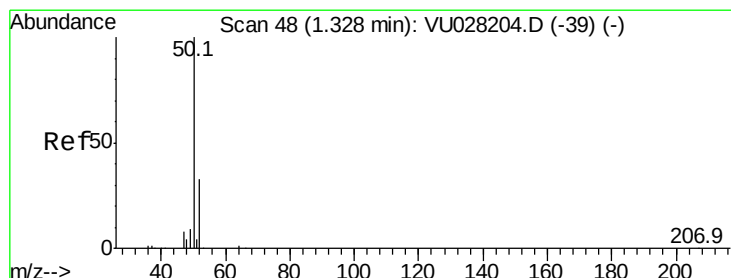
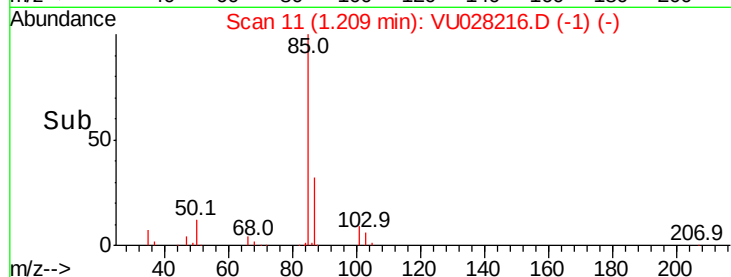
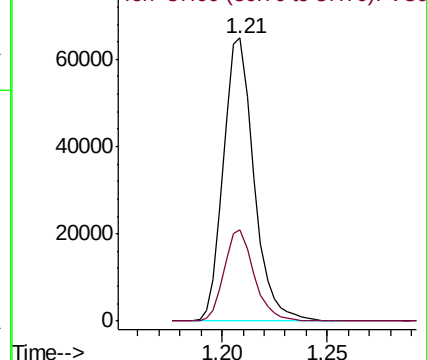
Ion Ratio Lower Upper

85 100

87 31.5 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.907 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028216.D

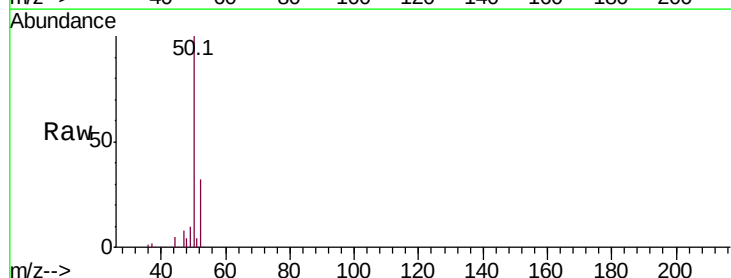
Acq: 17 Nov 2018 04:52

Tgt Ion: 50 Resp: 78846

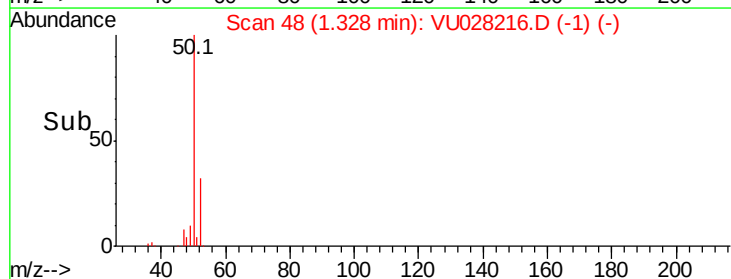
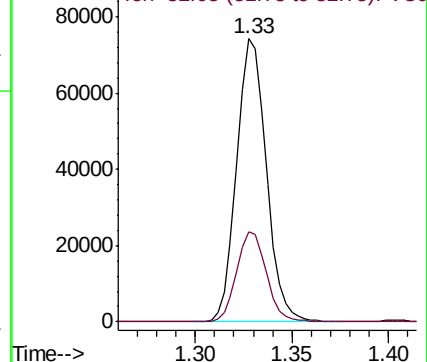
Ion Ratio Lower Upper

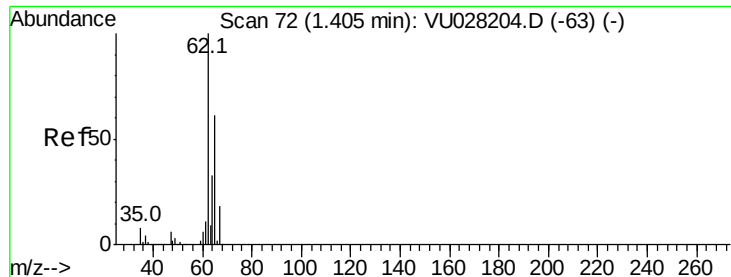
50 100

52 32.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.123 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

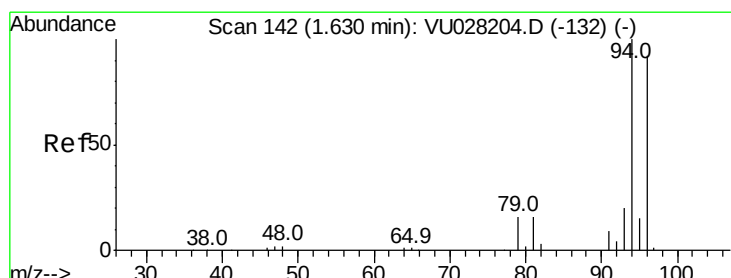
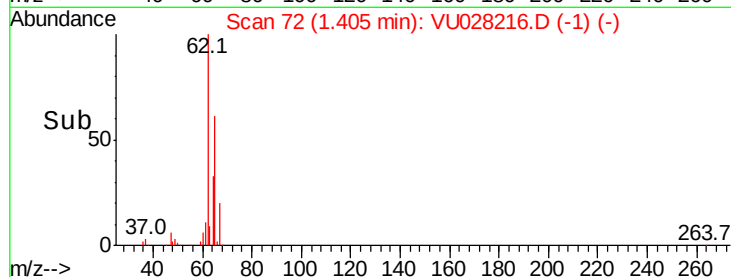
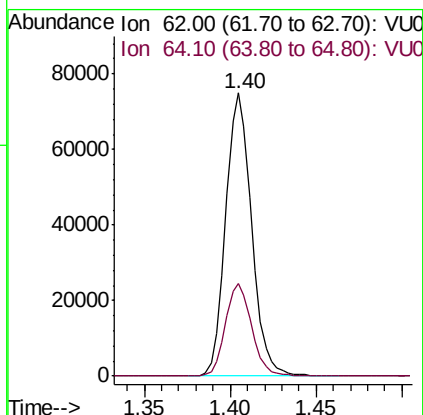
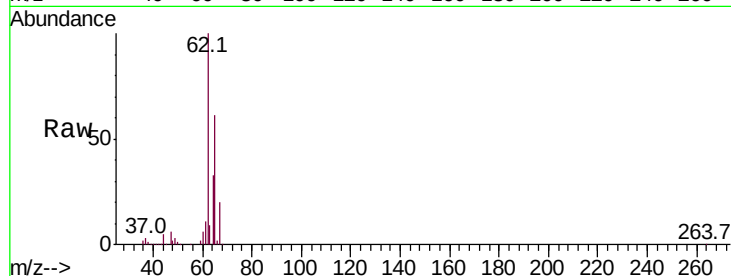
ClientSampleId :

Tot Ion: 62 Resp: 78200

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 6.535 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU028216.D

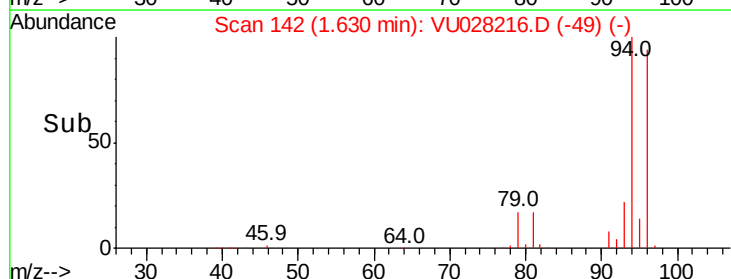
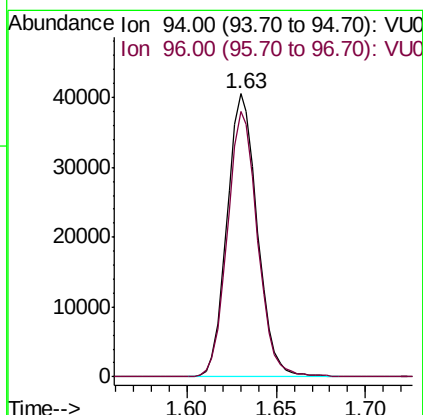
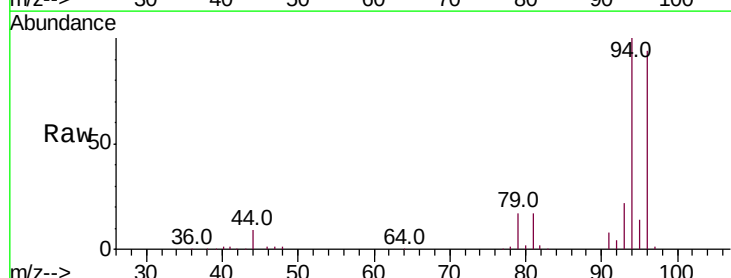
Acq: 17 Nov 2018 04:52

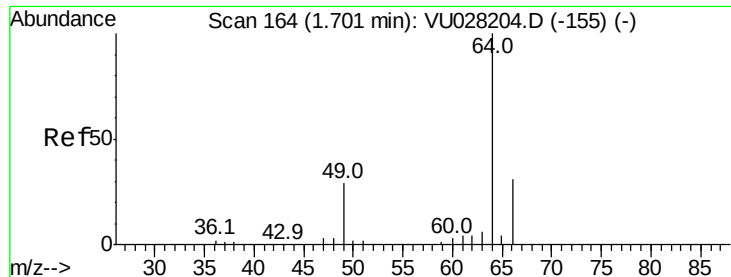
Tgt Ion: 94 Resp: 47781

Ion Ratio Lower Upper

94 100

96 93.7 65.1 120.9





#8

Chloroethane

Concen: 4.835 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

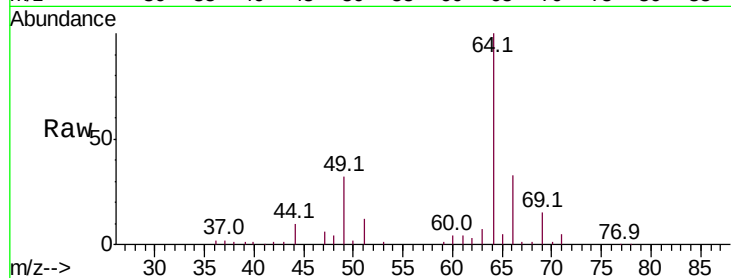
ClientSampleId :

Tot Ion: 64 Resp: 44433

Ion Ratio Lower Upper

64 100

66 32.5 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU028216.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU028216.D (-155) (-)

1.70

40000

30000

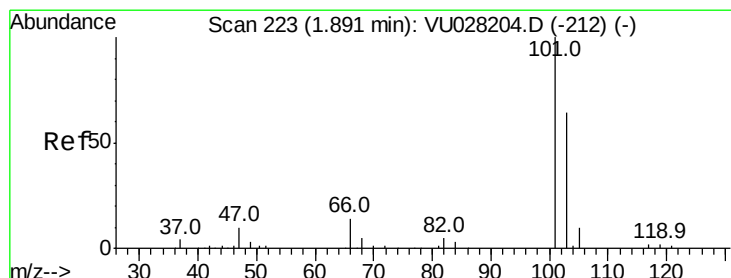
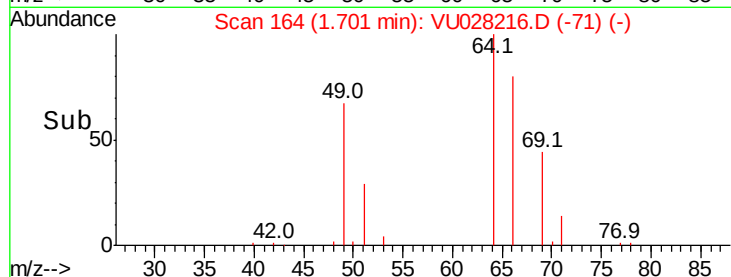
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.467 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU028216.D

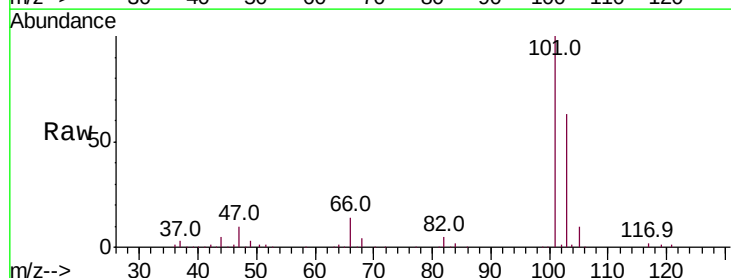
Acq: 17 Nov 2018 04:52

Tgt Ion: 101 Resp: 91034

Ion Ratio Lower Upper

101 100

103 64.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028216.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU028216.D (-212) (-)

1.89

80000

60000

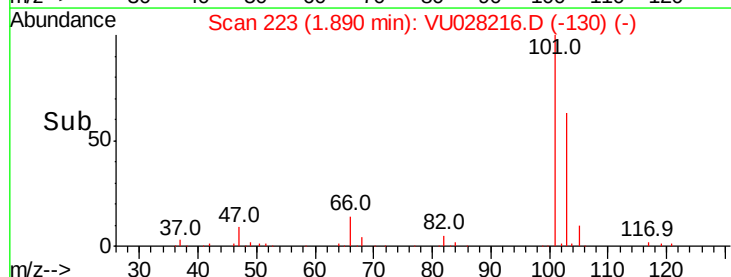
40000

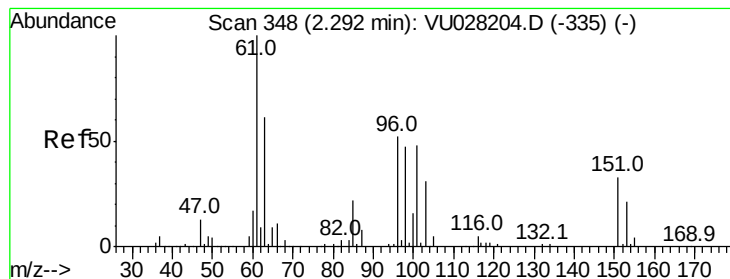
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 5.058 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

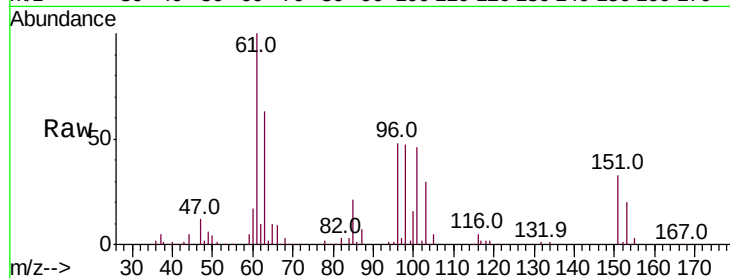
Tot Ion:101 Resp: 47280

Ion Ratio Lower Upper

101 100

85 47.9 37.6 56.4

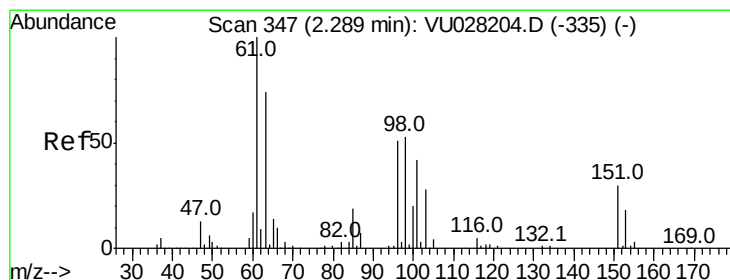
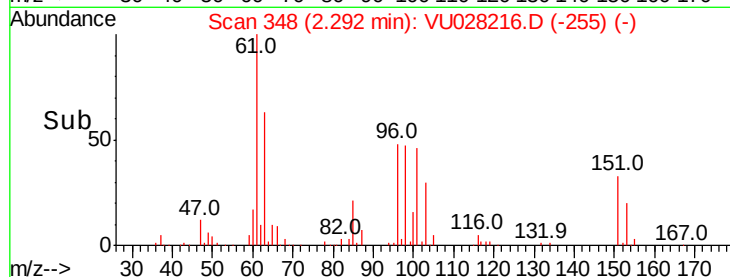
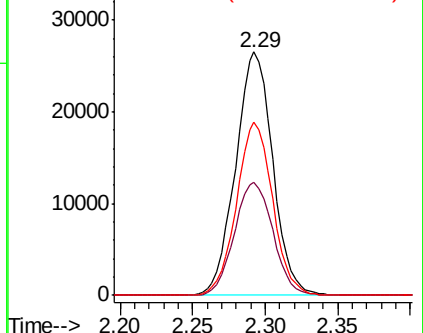
151 69.0 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.831 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

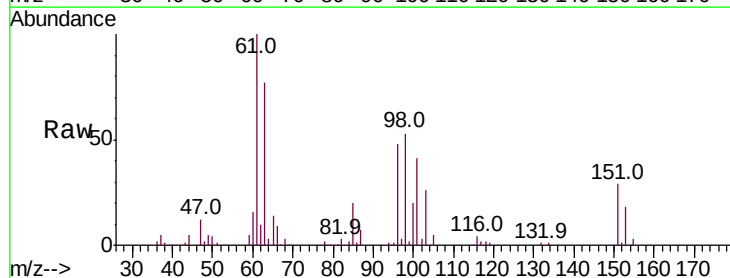
Tgt Ion: 96 Resp: 45778

Ion Ratio Lower Upper

96 100

61 208.6 134.8 250.3

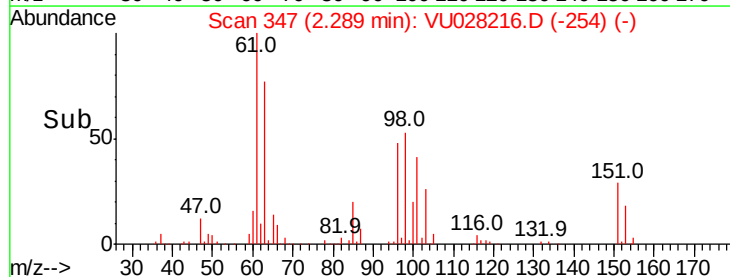
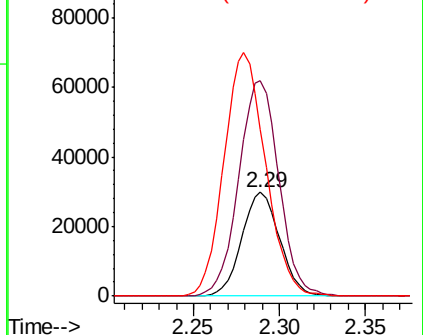
63 161.4 100.1 185.9

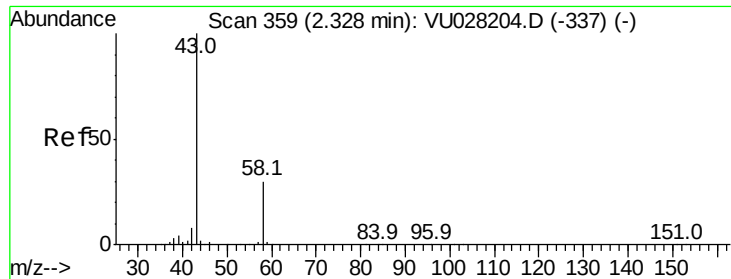


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.010 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

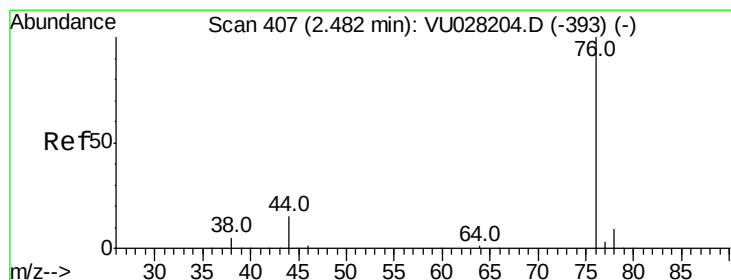
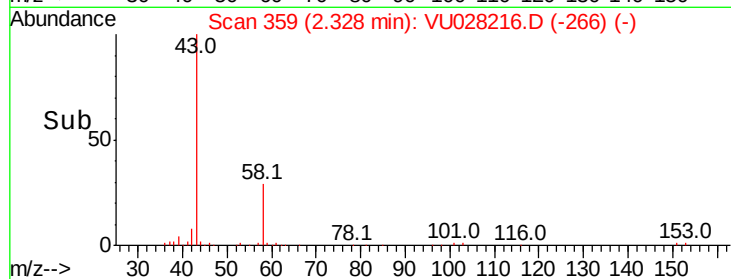
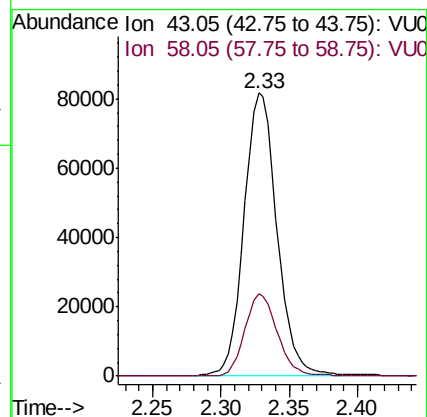
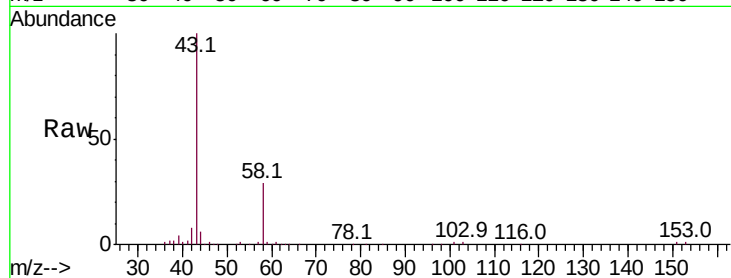
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 136325

Ion Ratio Lower Upper

43 100

58 29.0 0.0 61.6



#14

Carbon disulfide

Concen: 4.518 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU028216.D

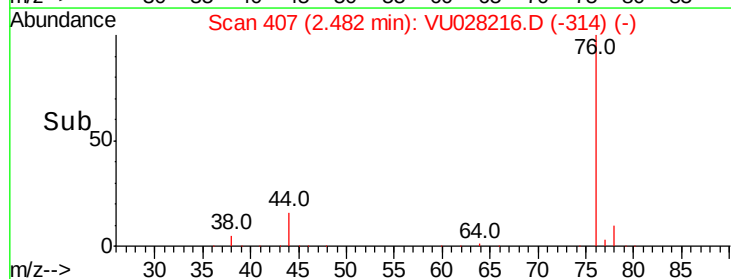
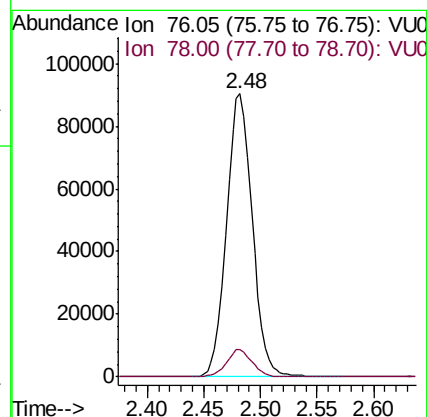
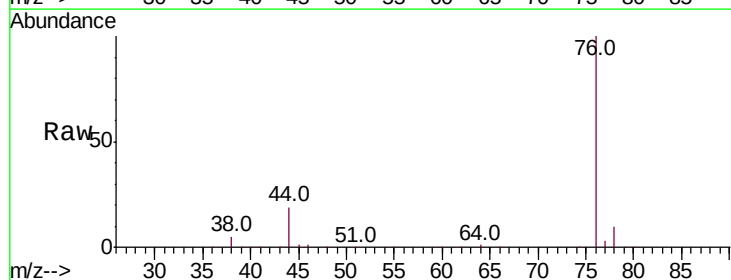
Acq: 17 Nov 2018 04:52

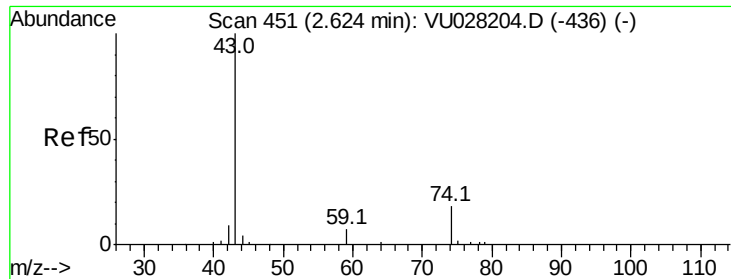
Tgt Ion: 76 Resp: 143568

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4

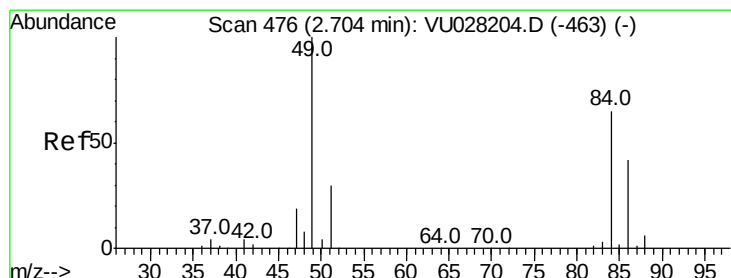
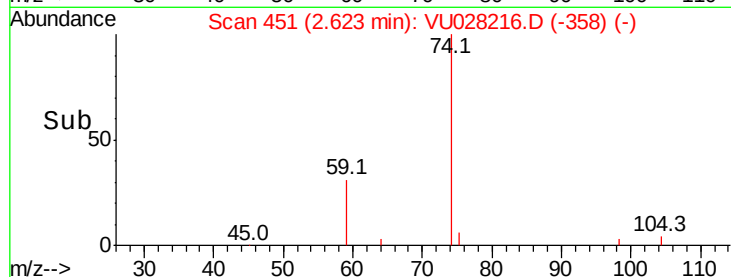
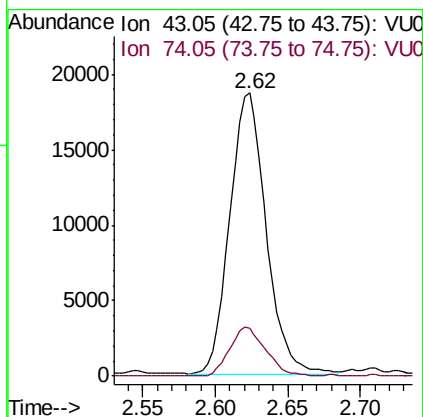
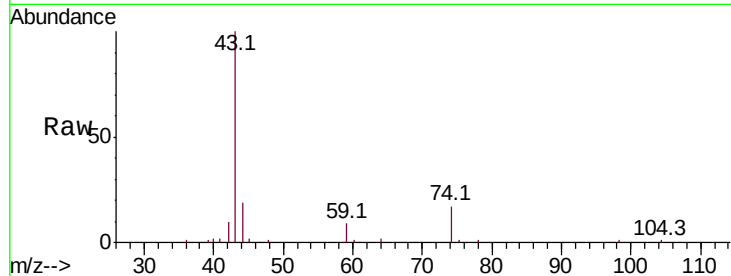




#15
Methvl Acetate
Concen: 5.240 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

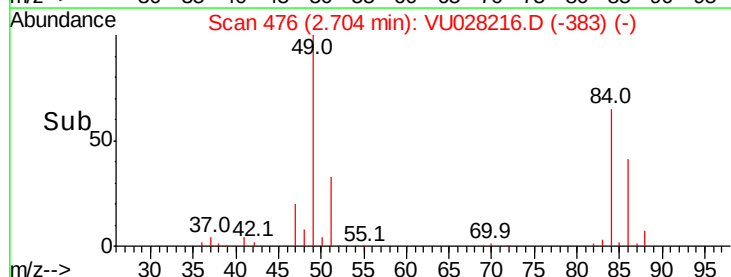
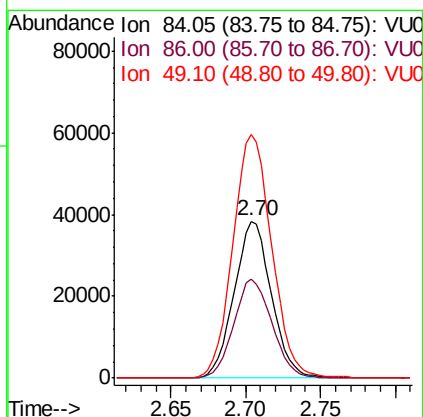
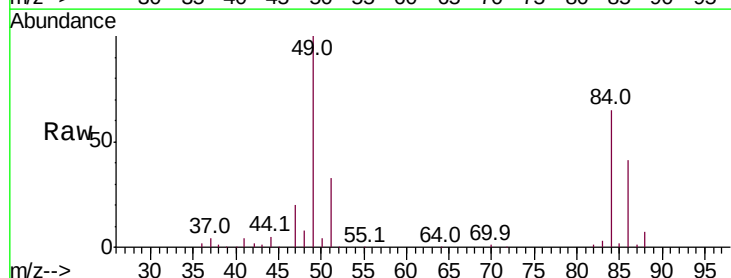
Instrument :
MSVOA_U
ClientSampleId :

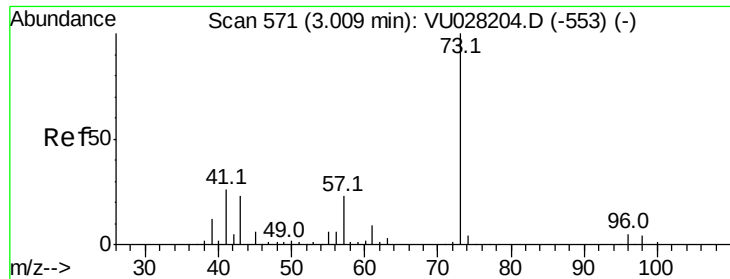
Tot Ion: 43 Resp: 32375
Ion Ratio Lower Upper
43 100
74 17.1 14.9 22.3



#16
Methylene chloride
Concen: 5.950 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion: 84 Resp: 66621
Ion Ratio Lower Upper
84 100
86 62.8 44.6 82.8
49 154.9 102.5 190.3

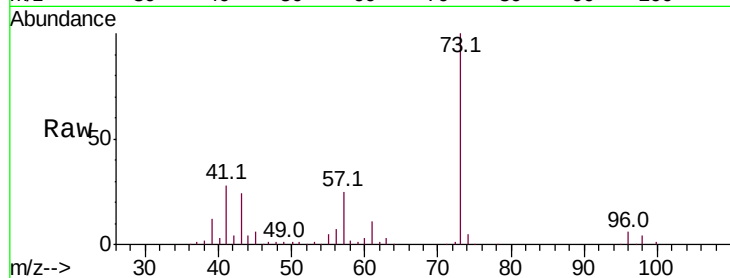




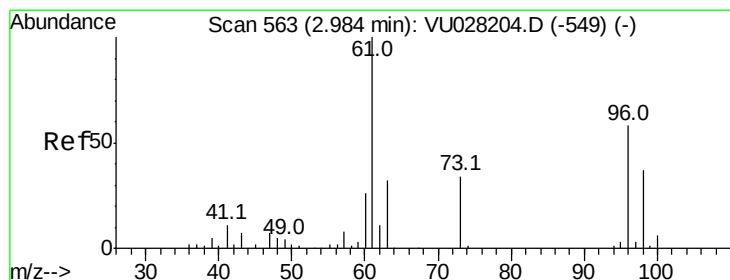
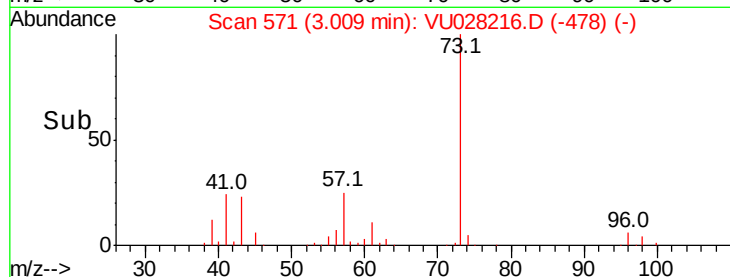
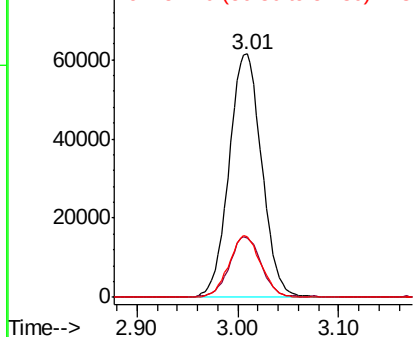
#17
Methyl tert-butyl Ether
Concen: 5.235 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	73	Resp:	138697
Ion	Ratio	Lower	Upper
73	100		
43	24.3	18.1	27.1
57	24.6	20.0	30.0

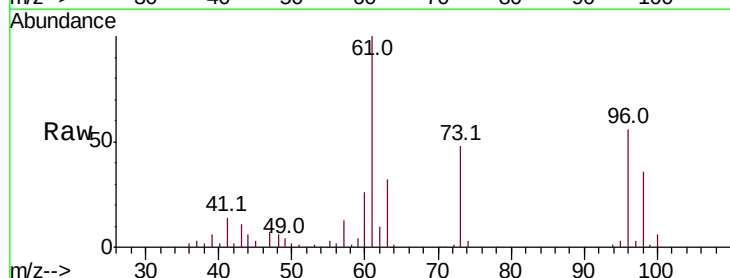


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

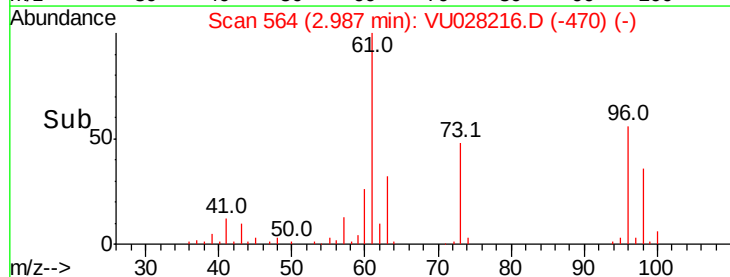
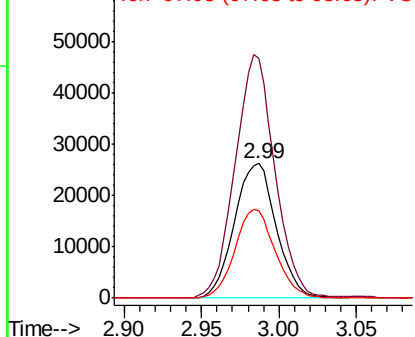


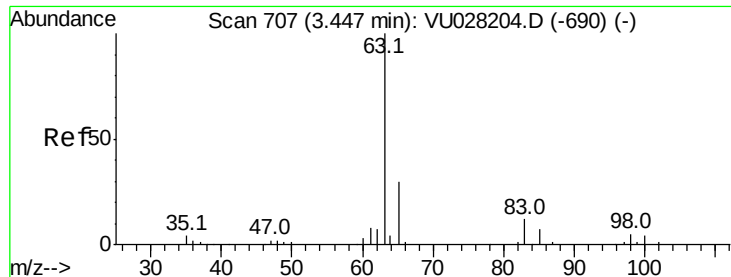
#18
trans-1,2-Dichloroethene
Concen: 4.890 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion:	96	Resp:	49272
Ion	Ratio	Lower	Upper
96	100		
61	178.1	118.5	220.1
98	64.9	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



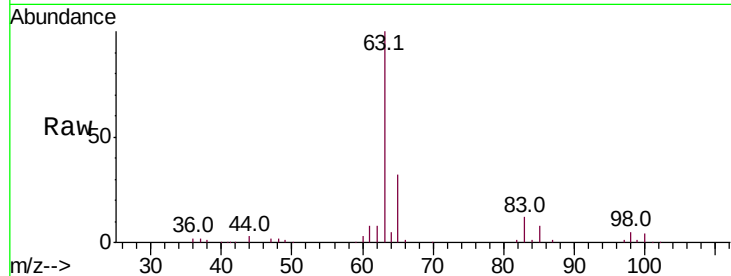


#19
 1,1-Dichloroethane
 Concen: 5.266 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

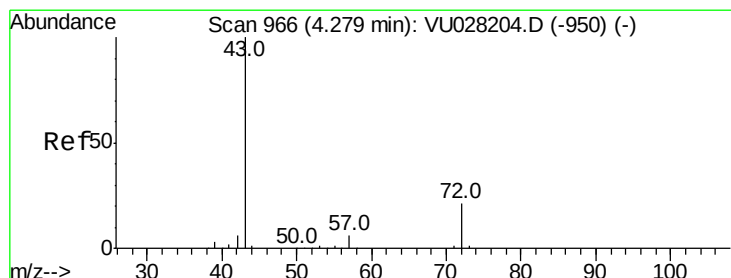
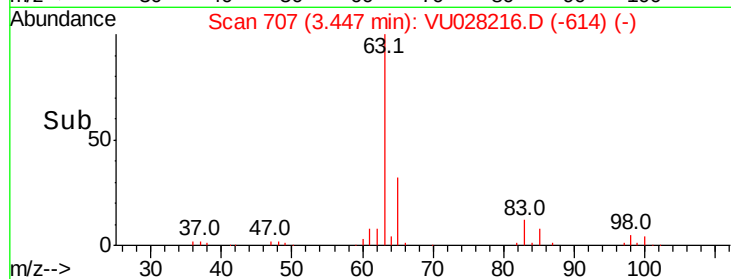
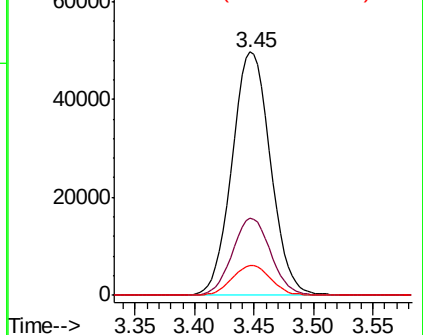
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 111588

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	12.5	8.9	16.5



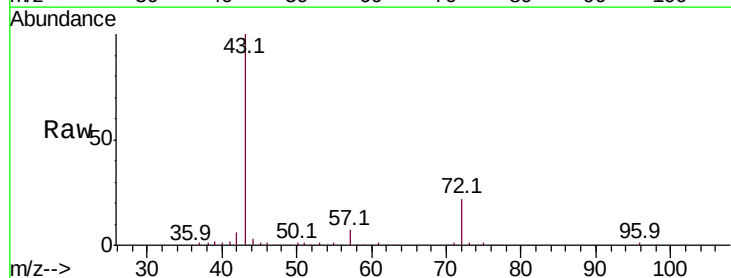
Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0



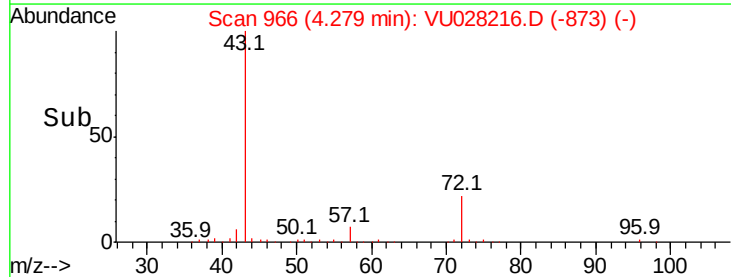
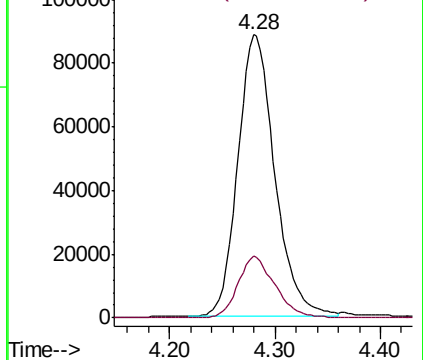
#21
 2-Butanone
 Concen: 59.313 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

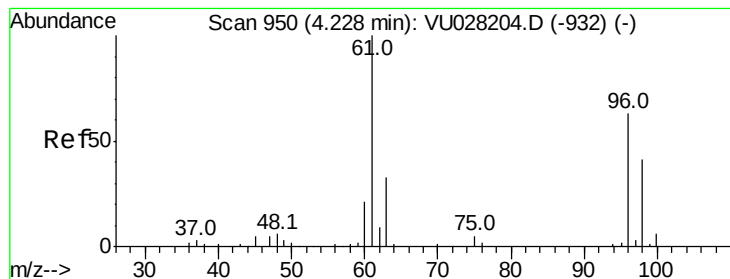
Tgt Ion: 43 Resp: 216247

Ion	Ratio	Lower	Upper
43	100		
72	21.3	11.0	33.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



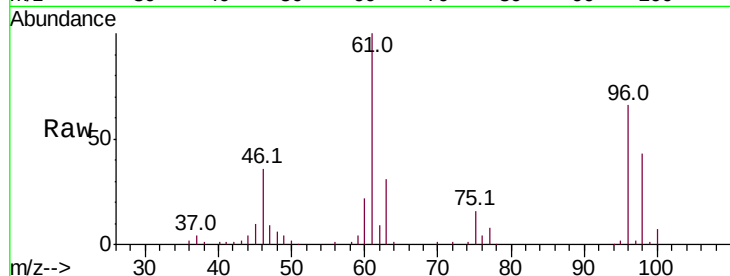


#22

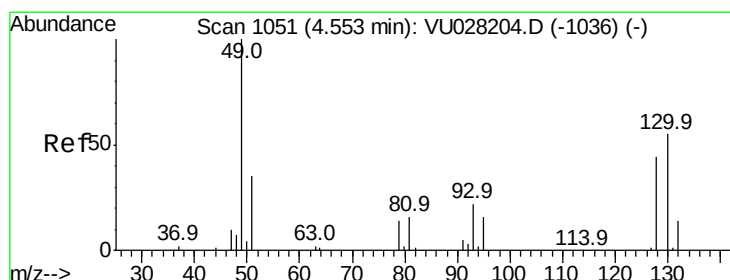
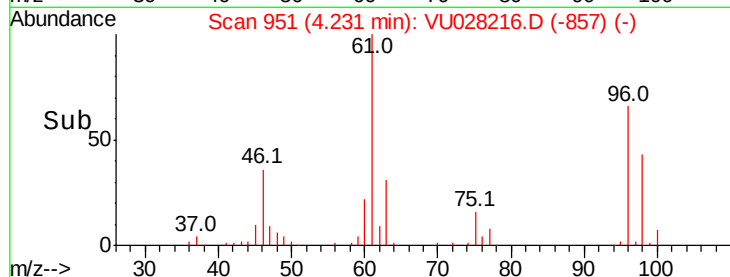
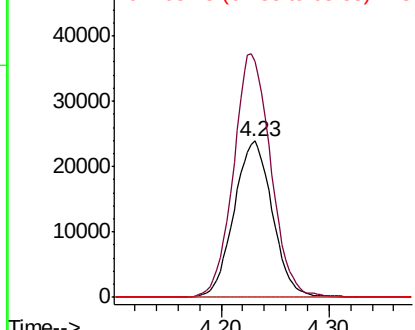
cis-1,2-Dichloroethene
Concen: 5.328 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 59181
Ion Ratio Lower Upper
96 100
61 151.3 101.8 189.0
68 0.0 0.0 0.0



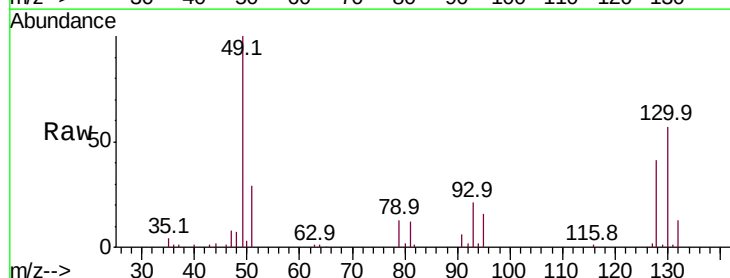
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



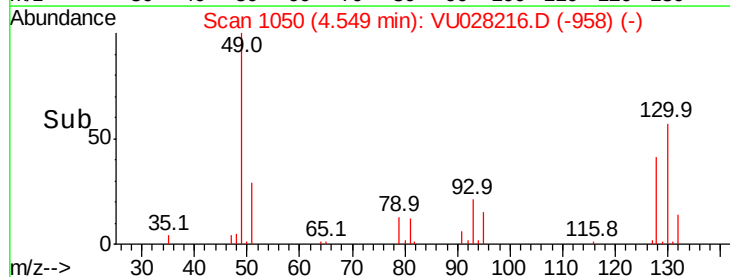
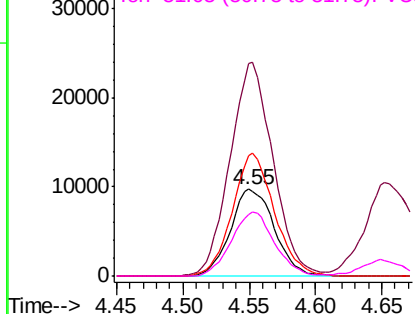
#23

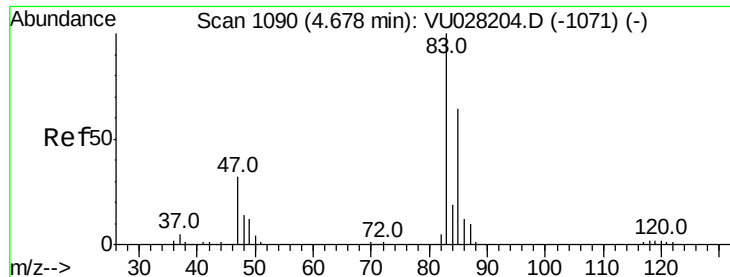
Bromochloromethane
Concen: 5.114 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion: 128 Resp: 22447
Ion Ratio Lower Upper
128 100
49 244.9 152.2 282.6
130 138.4 93.2 173.0
51 70.9 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

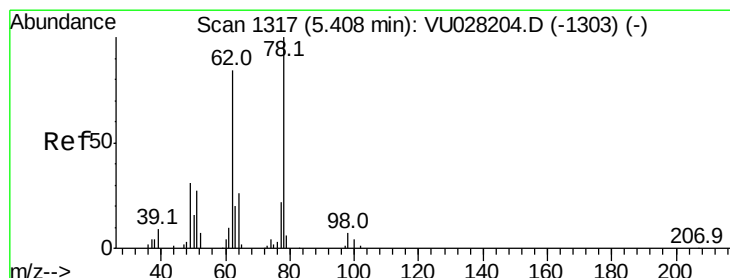
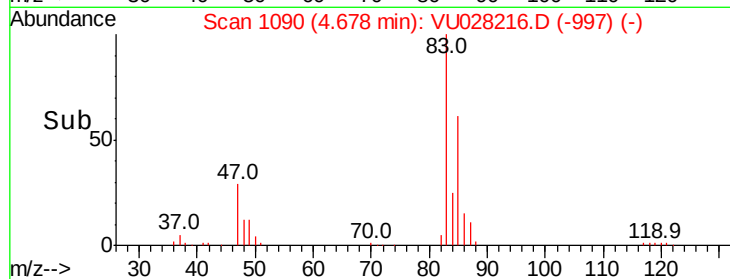
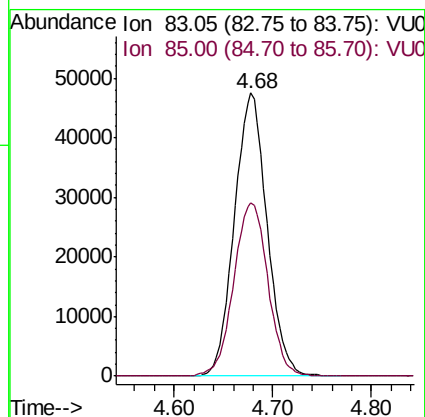
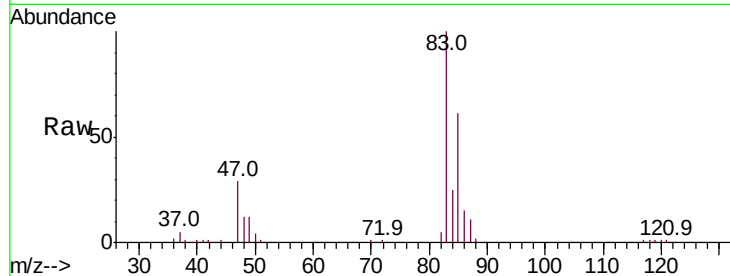




#25
Chloroform
Concen: 5.752 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

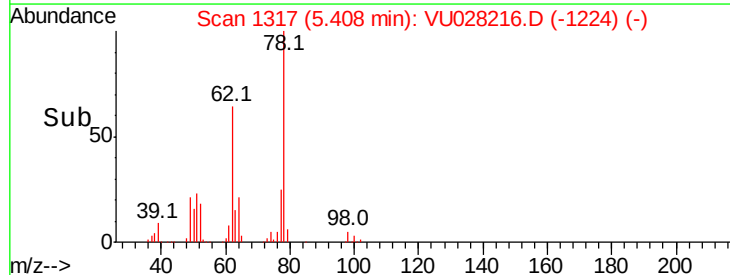
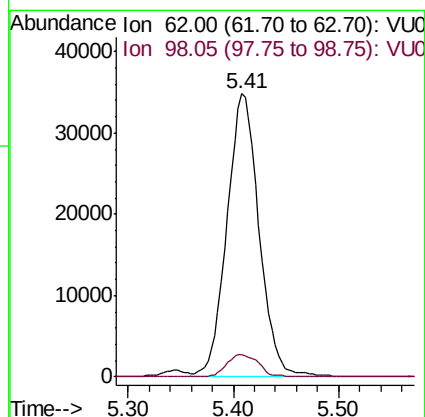
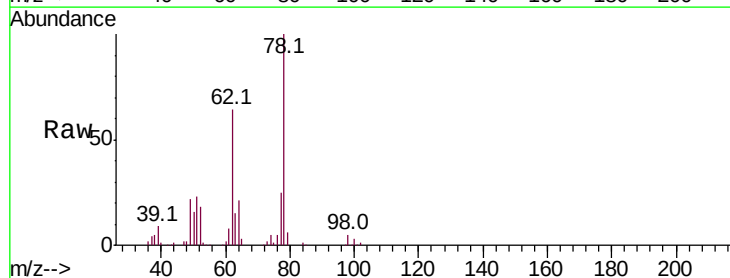
Instrument :
MSVOA_U
ClientSampleId :

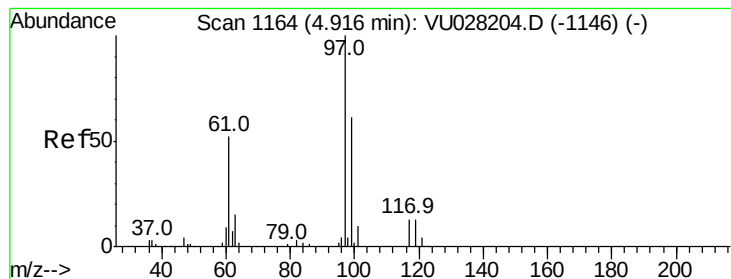
Tot Ion: 83 Resp: 109324
Ion Ratio Lower Upper
83 100
85 61.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.888 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion: 62 Resp: 73554
Ion Ratio Lower Upper
62 100
98 7.7 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.119 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampled :

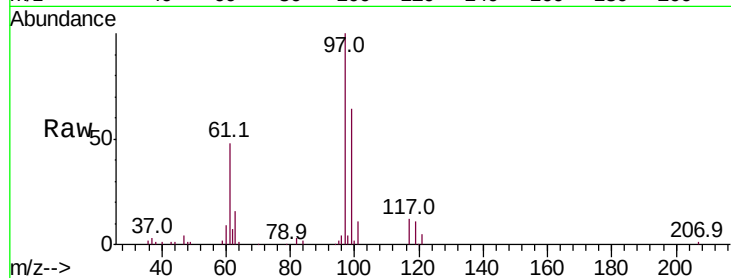
Tot Ion: 97 Resp: 81316

Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

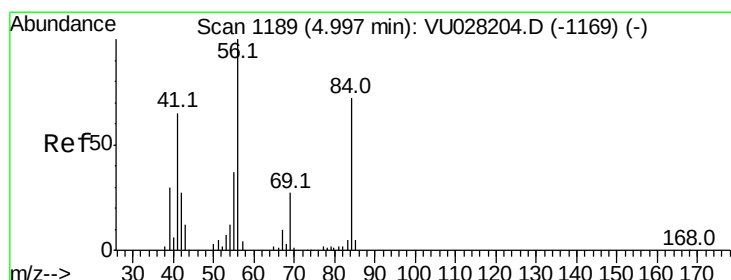
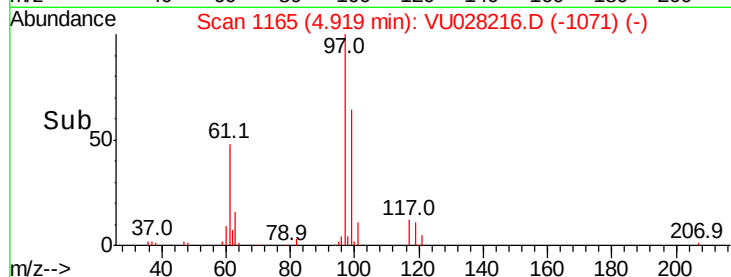
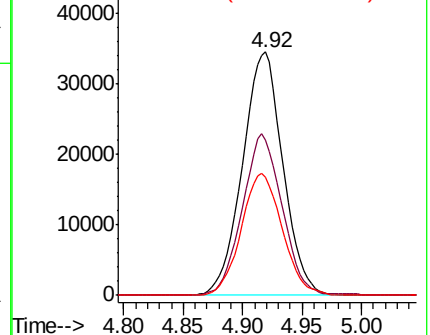
61 50.8 39.4 59.2



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.808 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

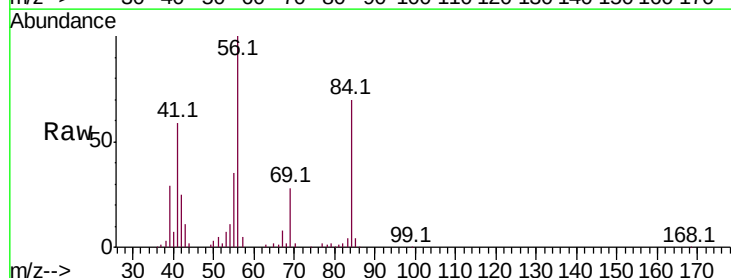
Tgt Ion: 56 Resp: 107078

Ion Ratio Lower Upper

56 100

69 27.3 22.6 33.8

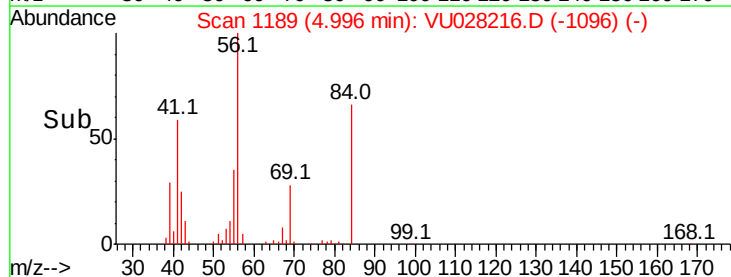
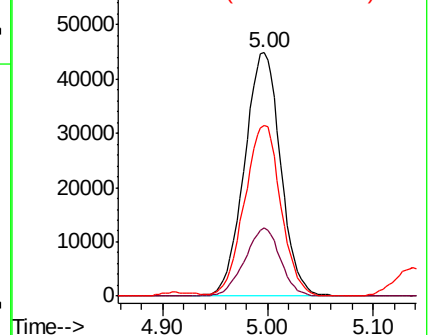
84 70.5 57.7 86.5

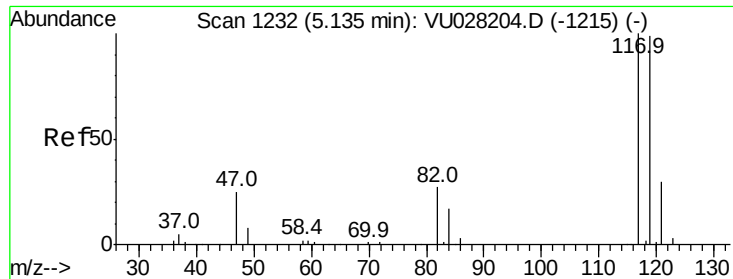


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

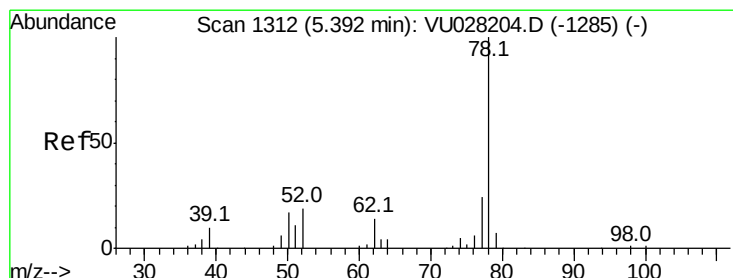
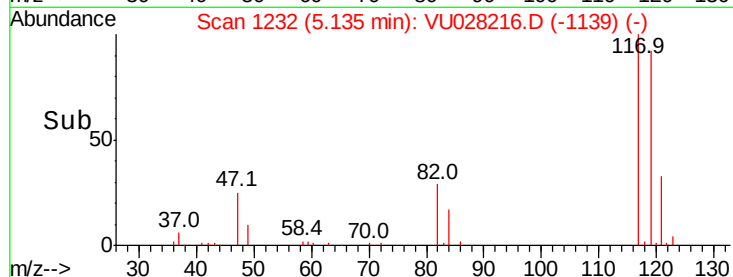
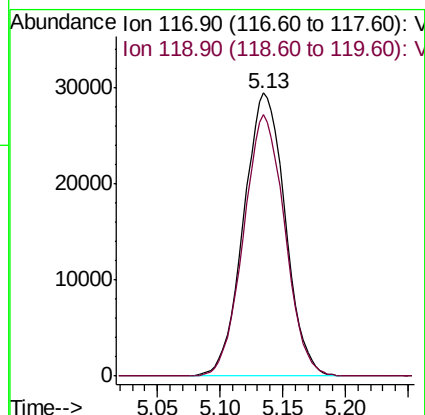
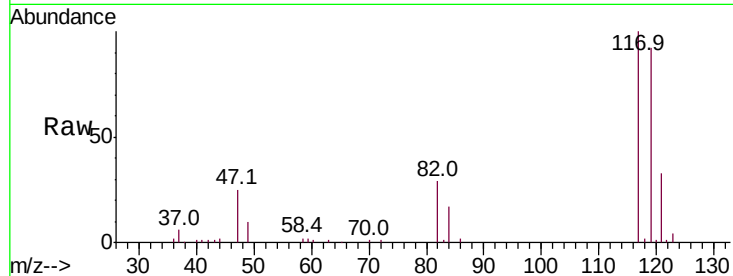




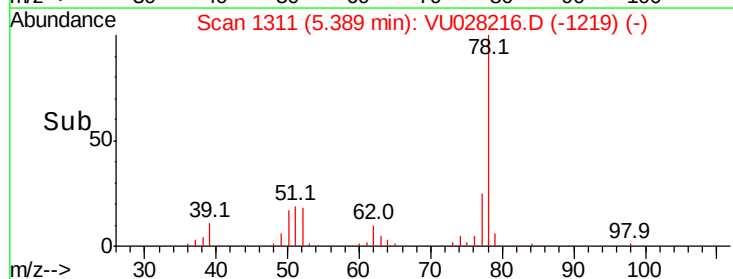
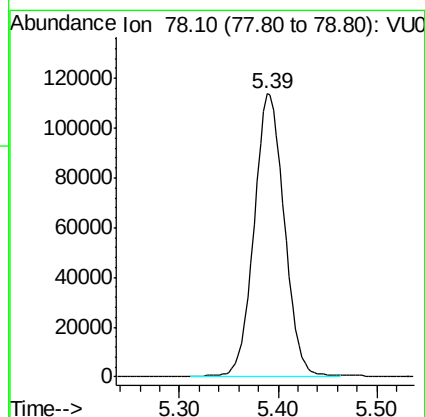
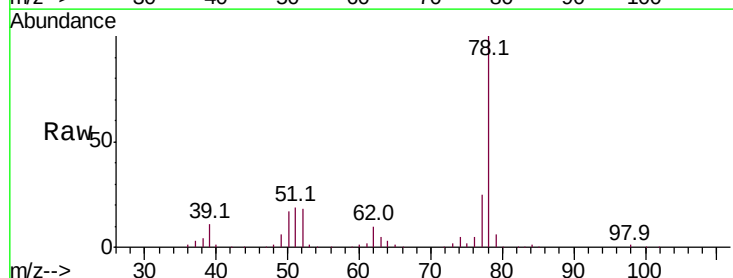
#31
Carbon tetrachloride
Concen: 5.144 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

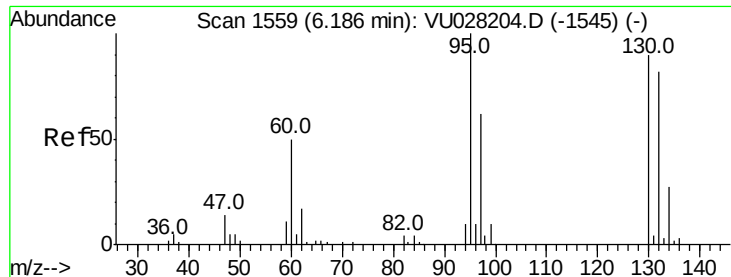
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 67812
Ion Ratio Lower Upper
117 100
119 91.8 75.7 113.5



#33
Benzene
Concen: 5.088 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52
Tgt Ion: 78 Resp: 240530





#34

Trichloroethene

Concen: 5.903 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 68980

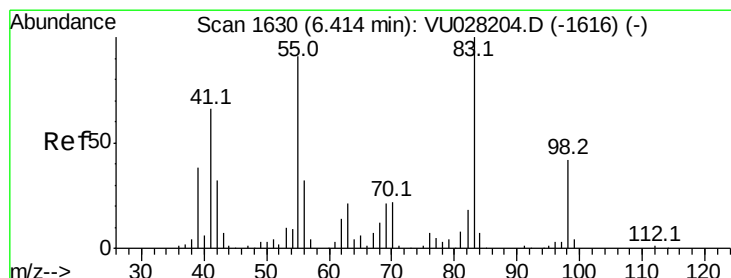
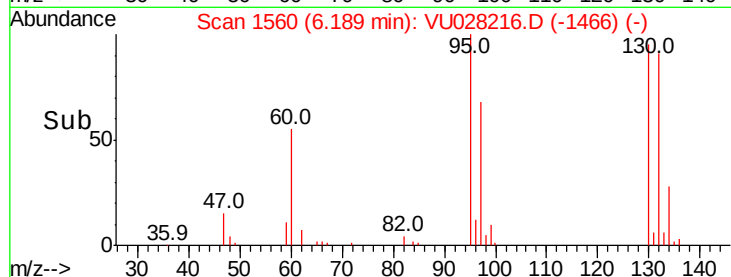
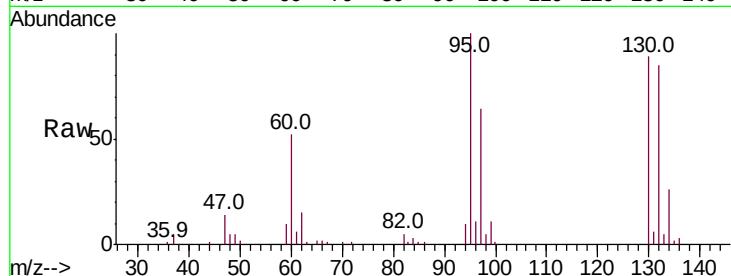
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 85.4 63.0 117.0

130 89.3 63.6 118.2



#35

Methylcyclohexane

Concen: 4.558 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

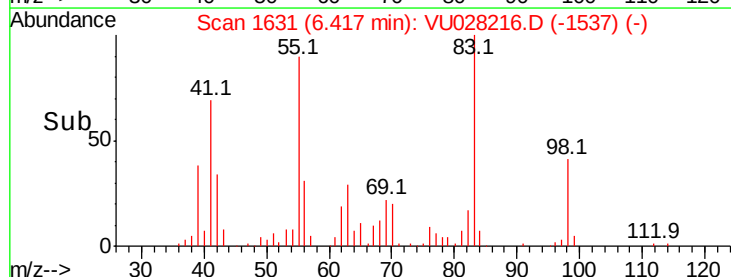
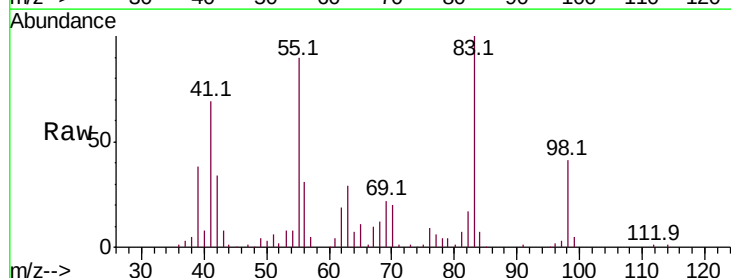
Tgt Ion: 83 Resp: 91560

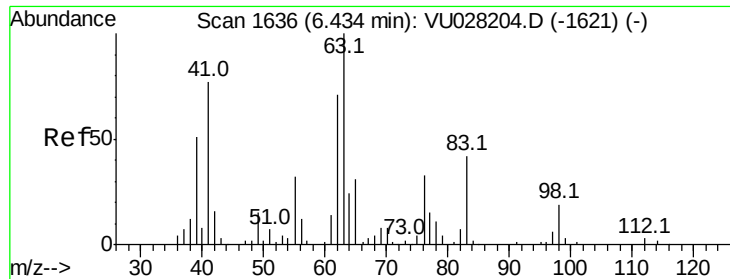
Ion Ratio Lower Upper

83 100

55 94.5 69.0 103.4

98 42.7 33.3 49.9





#37

1,2-Dichloropropane

Concen: 5.309 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

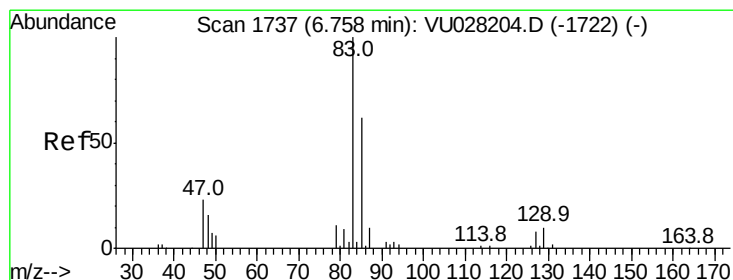
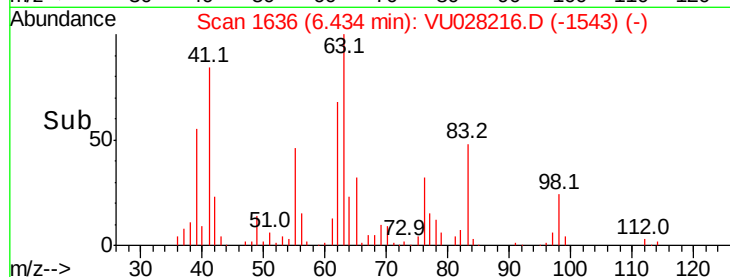
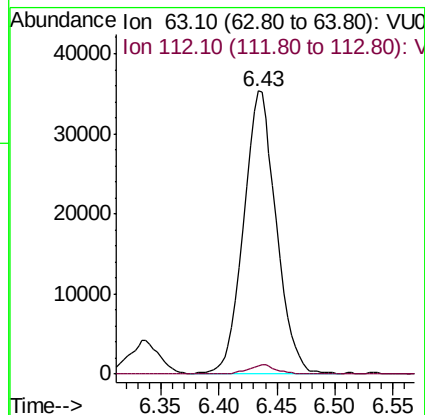
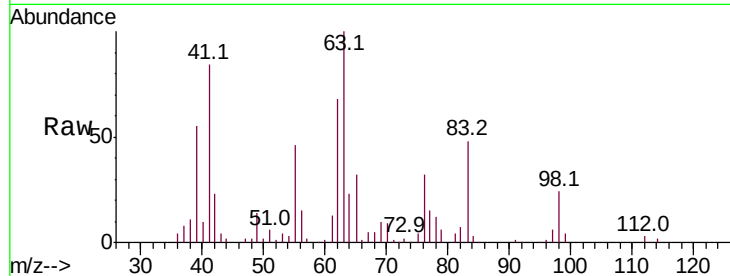
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 69411

Ion Ratio Lower Upper

63 100

112 2.9 2.2 3.4



#38

Bromodichloromethane

Concen: 5.048 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

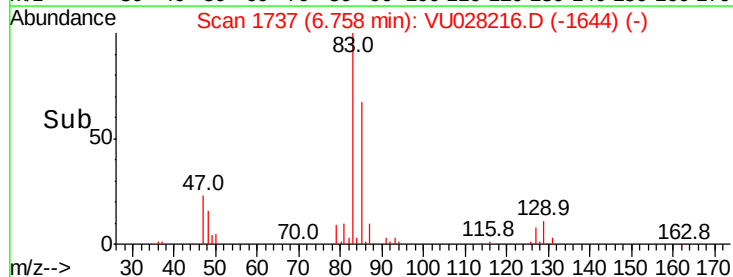
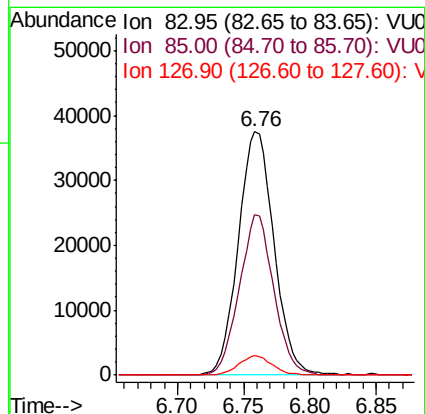
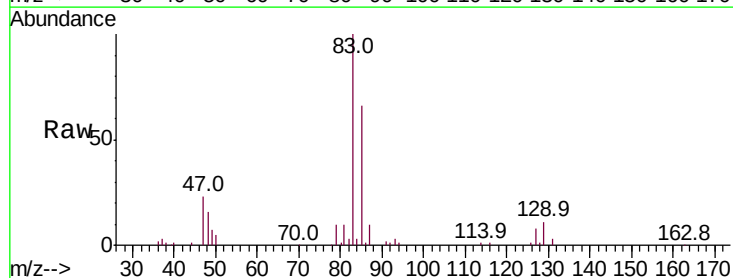
Tgt Ion: 83 Resp: 70223

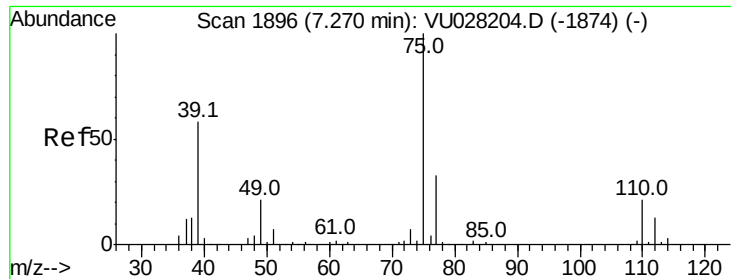
Ion Ratio Lower Upper

83 100

85 65.6 44.5 82.7

127 7.9 6.8 10.2

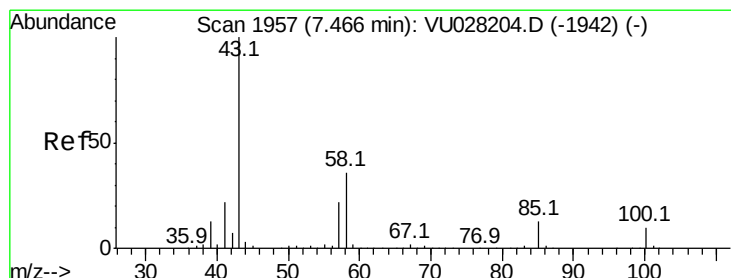
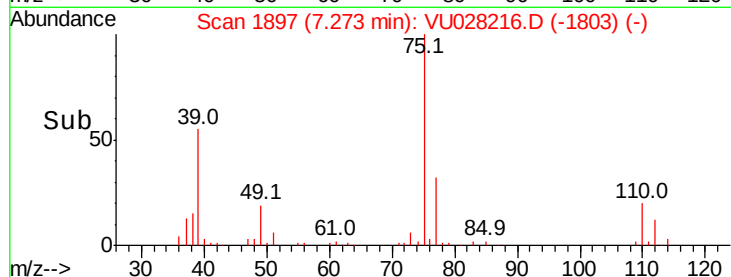
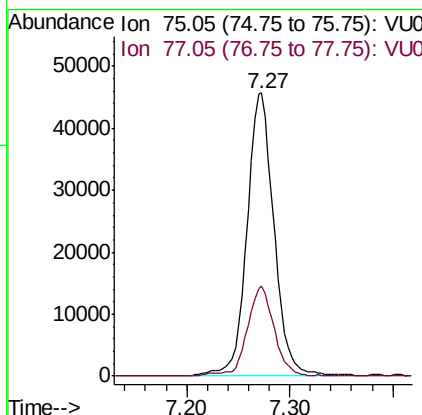
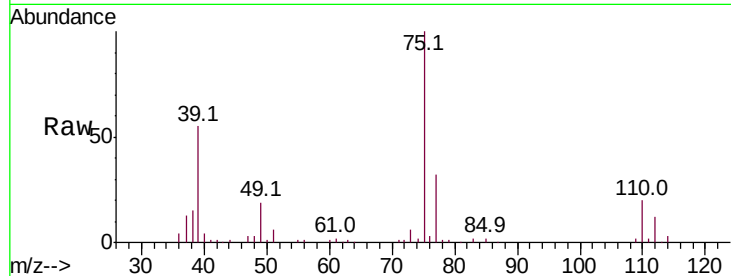




#39
 cis-1,3-Dichloropropene
 Concen: 4.700 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

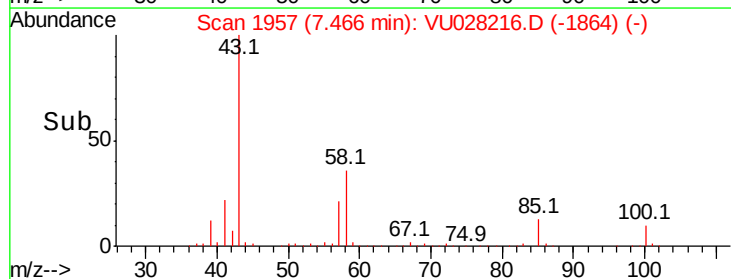
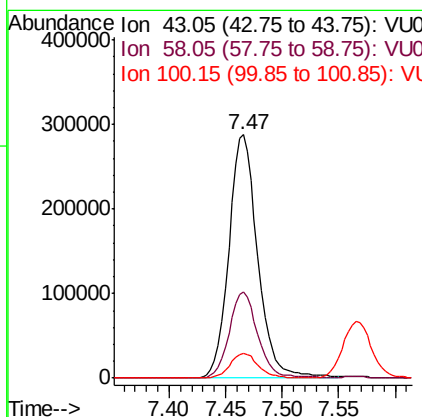
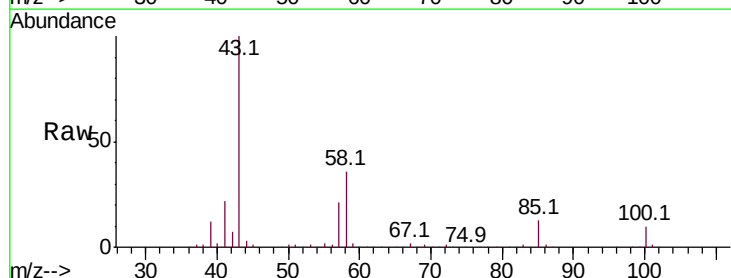
Instrument :
 MSVOA_U
 ClientSampled :

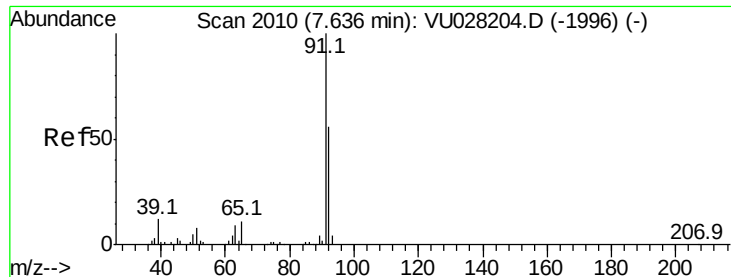
Tot Ion: 75 Resp: 83087
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 56.693 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Tgt Ion: 43 Resp: 510431
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.9 44.9
 100 10.1 9.1 13.7





#42

Toluene

Concen: 5.056 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

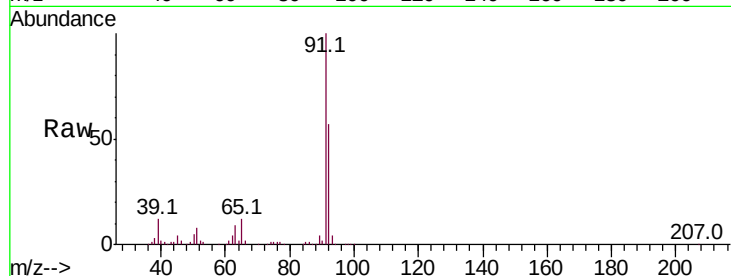
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 246453

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028216.D (-1917) (-)

Ion 92.15 (91.85 to 92.85): VU028216.D (-1917) (-)

7.64

150000

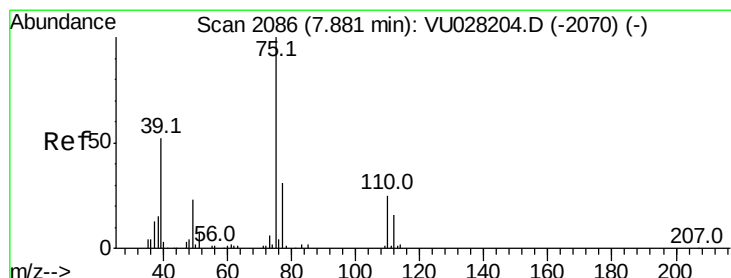
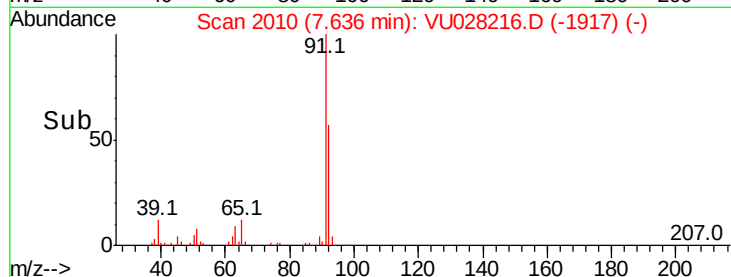
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.634 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028216.D

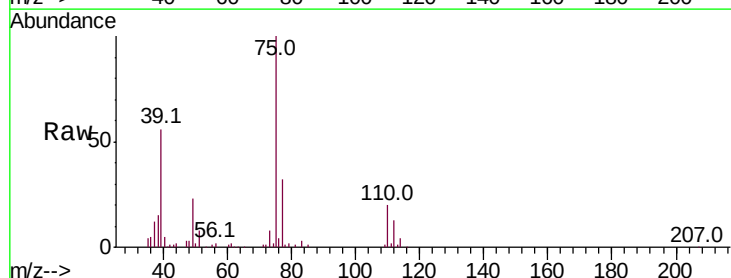
Acq: 17 Nov 2018 04:52

Tgt Ion: 75 Resp: 64184

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU028216.D (-1993) (-)

Ion 77.05 (76.75 to 77.75): VU028216.D (-1993) (-)

7.88

40000

30000

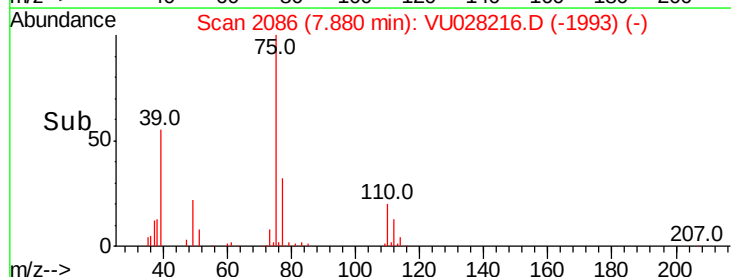
20000

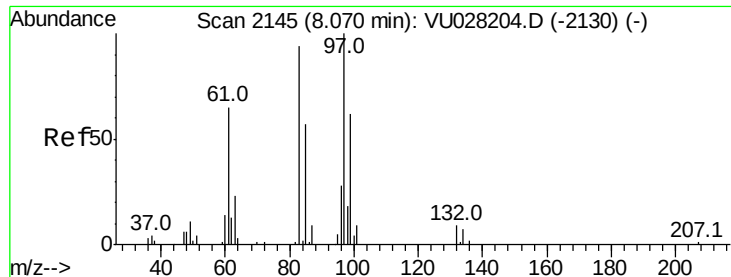
10000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.350 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 42226

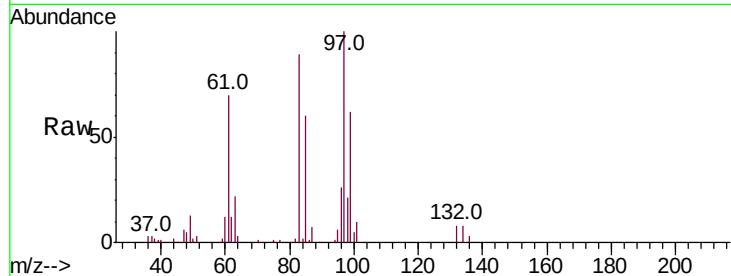
Ion Ratio Lower Upper

97 100

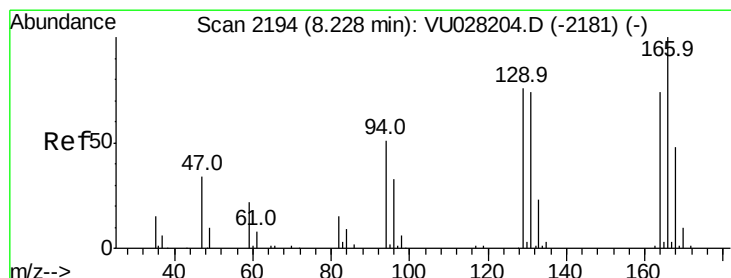
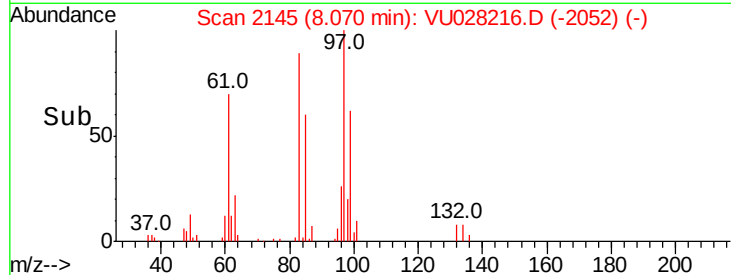
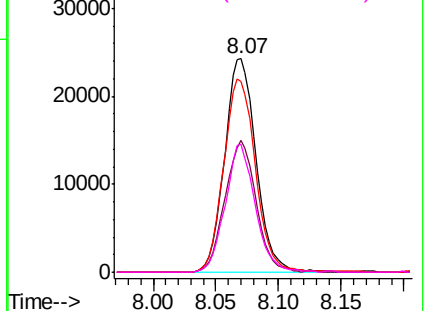
99 61.5 42.1 78.1

83 89.4 63.7 118.3

85 59.7 40.6 75.4



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.281 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Tgt Ion:164 Resp: 40667

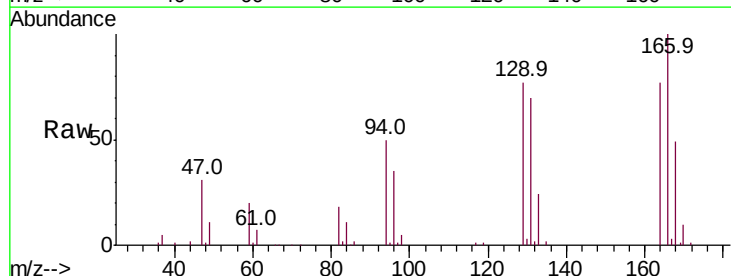
Ion Ratio Lower Upper

164 100

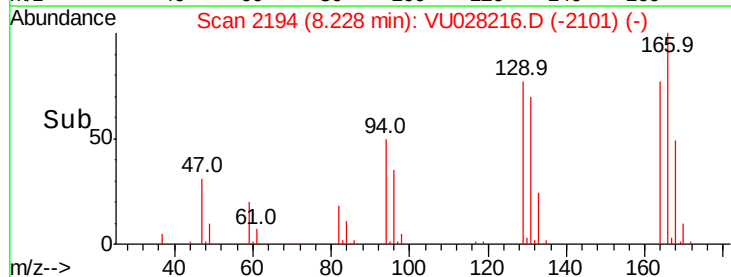
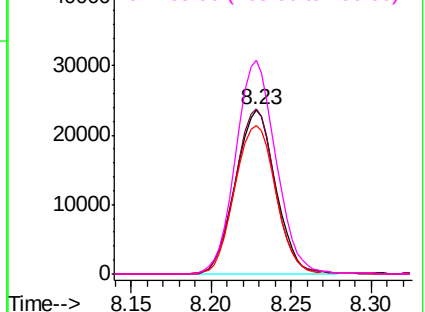
129 100.7 69.7 129.4

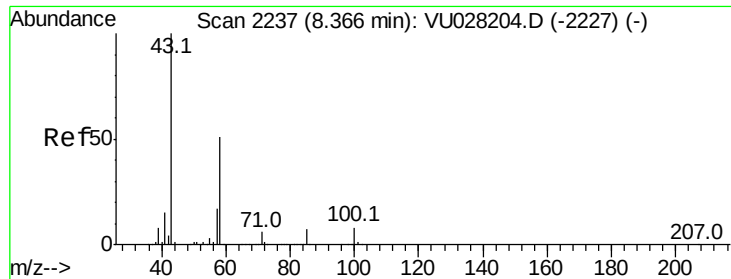
131 90.7 64.0 118.8

166 130.0 86.4 160.4



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

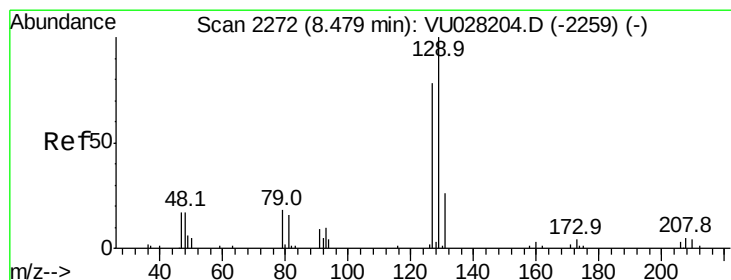
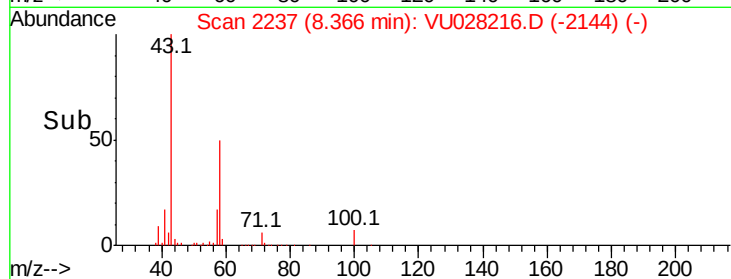
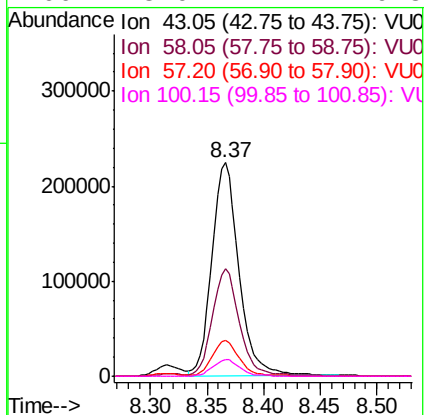
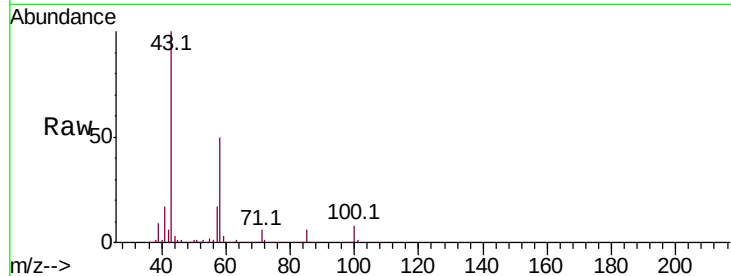




#48
2-Hexanone
Concen: 57.918 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

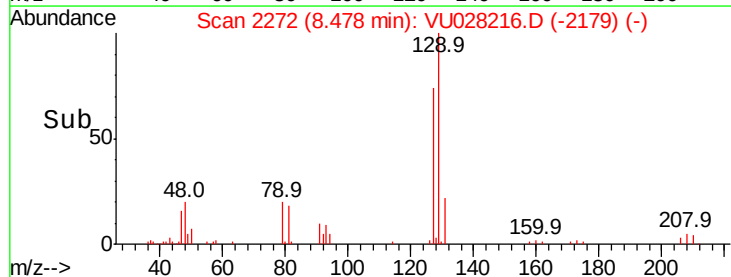
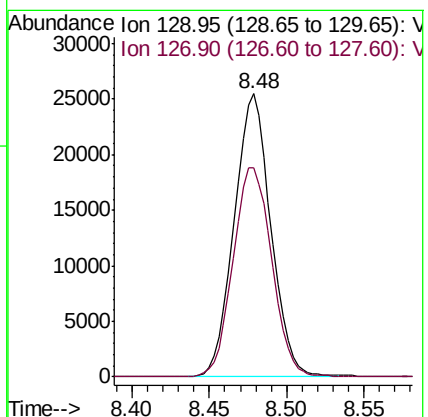
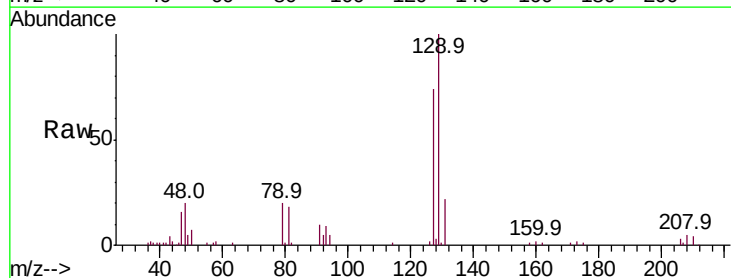
Instrument :
MSVOA_U
ClientSampleId :

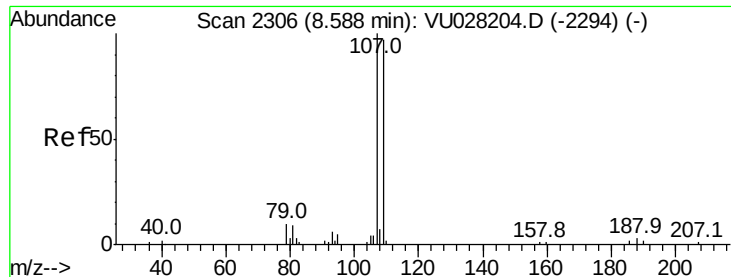
Tot Ion: 43 Resp: 371040
Ion Ratio Lower Upper
43 100
58 50.5 41.7 62.5
57 17.2 14.0 21.0
100 8.0 7.2 10.8



#49
Dibromochloromethane
Concen: 4.986 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion: 129 Resp: 41896
Ion Ratio Lower Upper
129 100
127 73.8 54.1 100.5

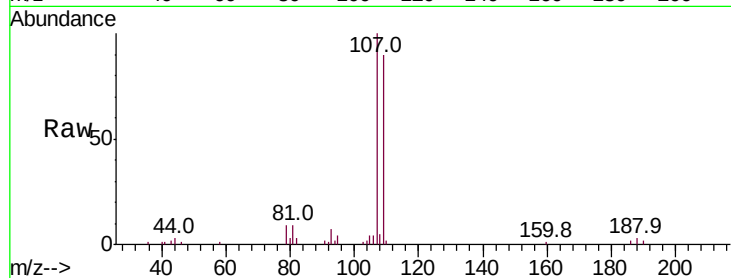




#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.8	66.6	123.8
188	3.4	2.5	3.7

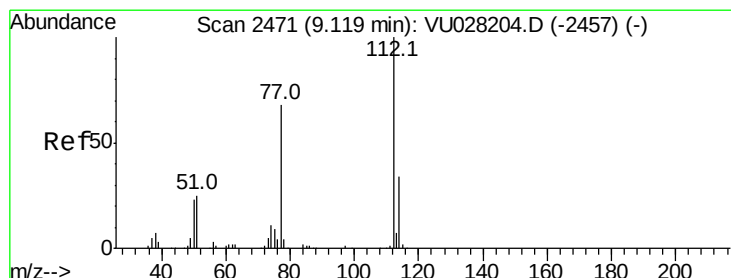
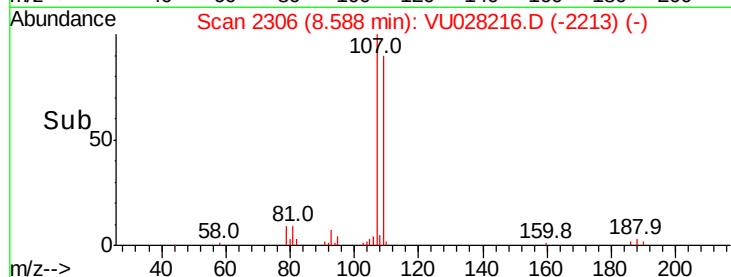
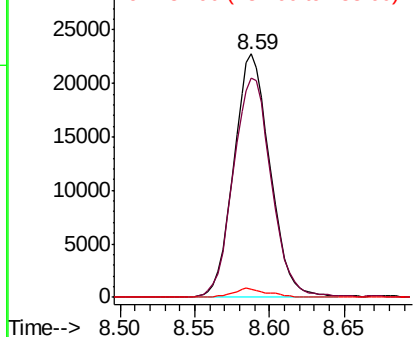


Abundance

Ion 106.95 (106.65 to 107.65): V

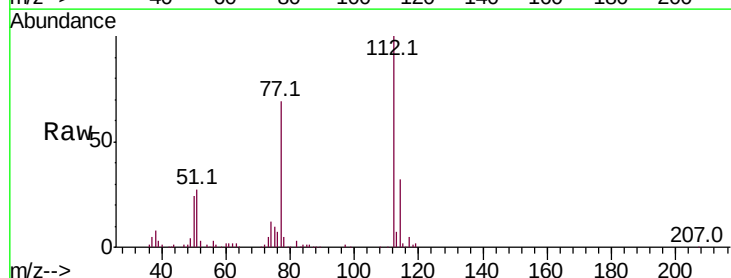
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.007 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028216.D
Acq: 17 Nov 2018 04:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	68.9	51.3	76.9

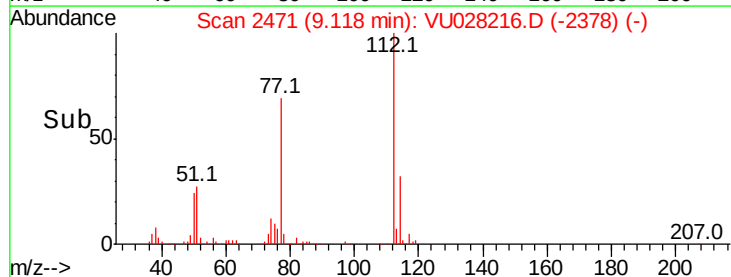
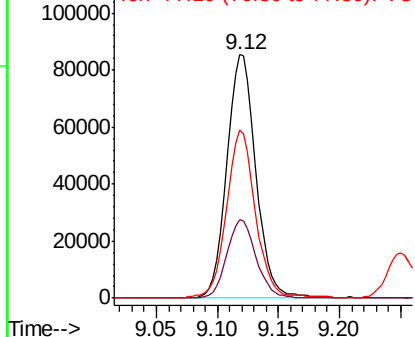


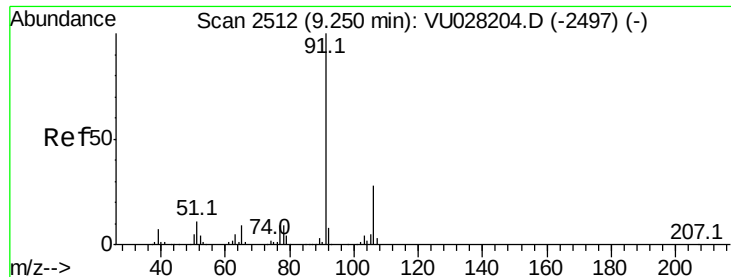
Abundance

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): VU





#52

Ethylbenzene

Concen: 4.977 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

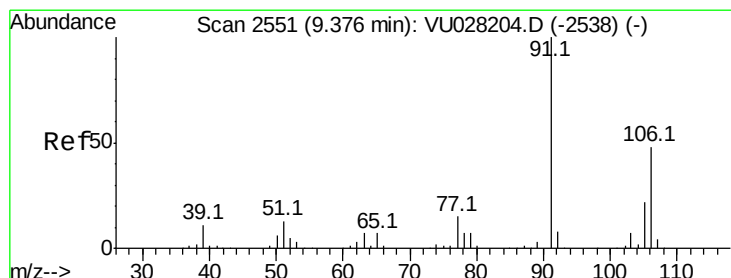
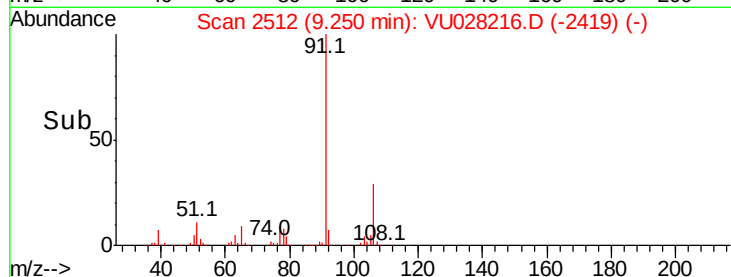
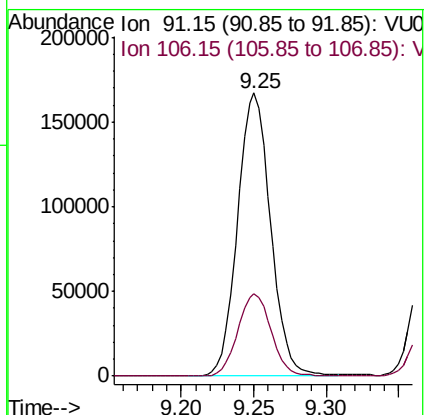
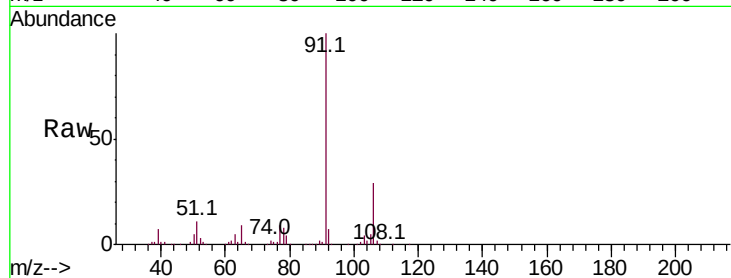
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 264827

Ion Ratio Lower Upper

91 100

106 29.1 20.9 38.7



#53

m,p-xylene

Concen: 4.914 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028216.D

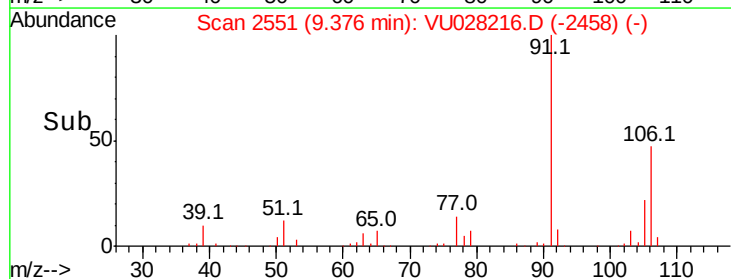
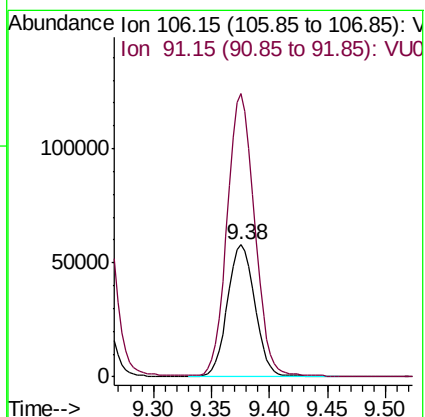
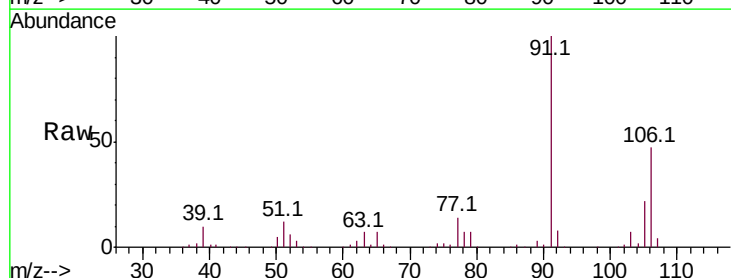
Acq: 17 Nov 2018 04:52

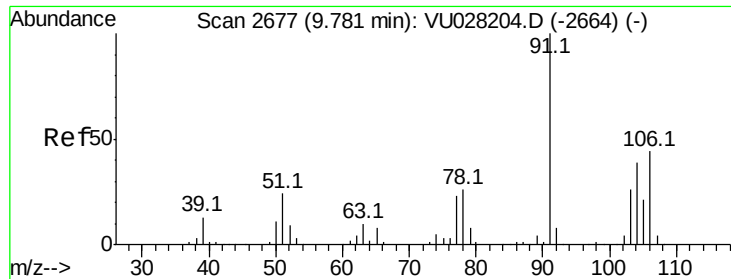
Tgt Ion: 106 Resp: 95260

Ion Ratio Lower Upper

106 100

91 214.0 145.7 270.7





#54

o-xylene

Concen: 5.008 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

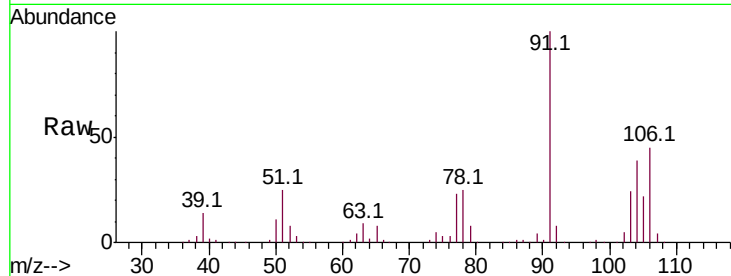
ClientSampleId :

Tot Ion:106 Resp: 93469

Ion Ratio Lower Upper

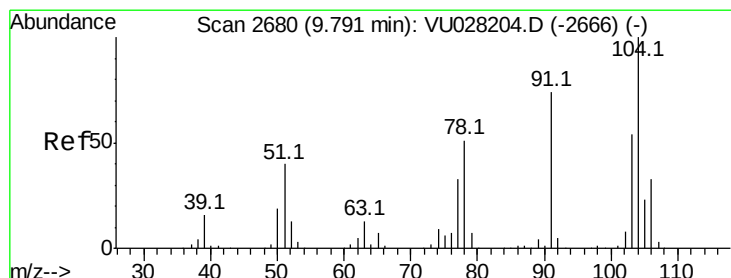
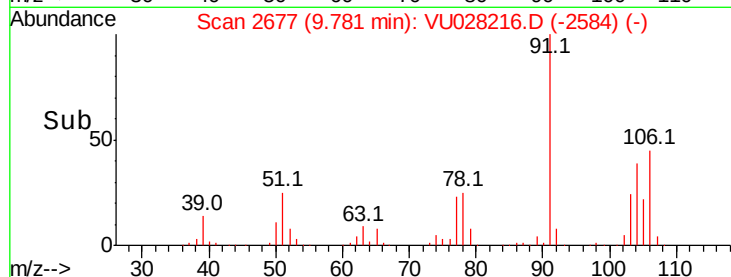
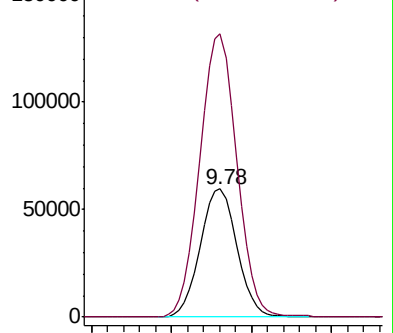
106 100

91 220.9 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.036 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU028216.D

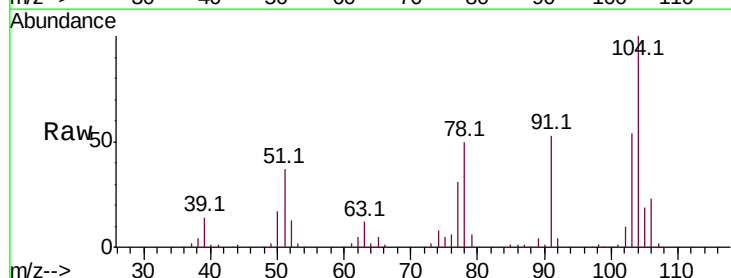
Acq: 17 Nov 2018 04:52

Tgt Ion:104 Resp: 158928

Ion Ratio Lower Upper

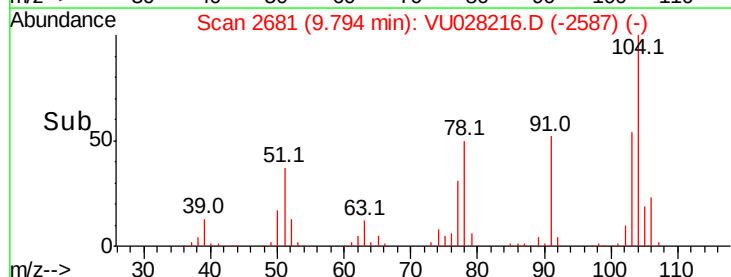
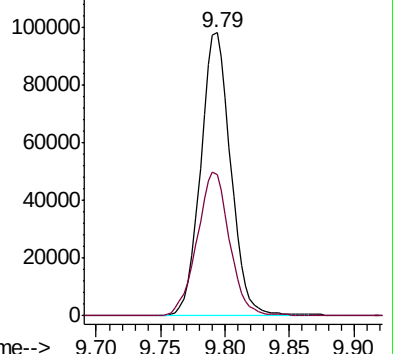
104 100

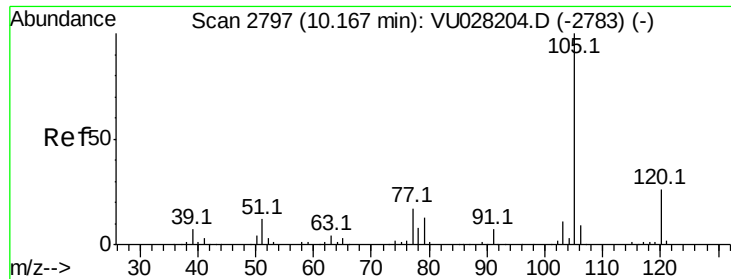
78 49.9 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.905 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

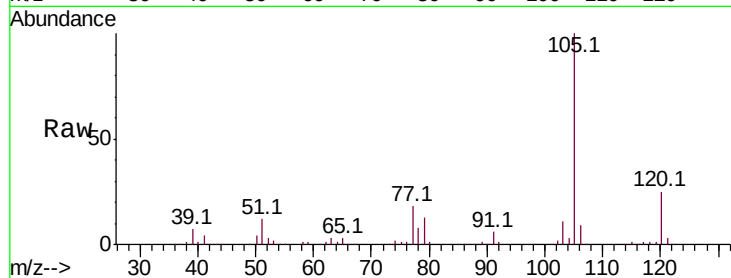
Tot Ion:105 Resp: 247593

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

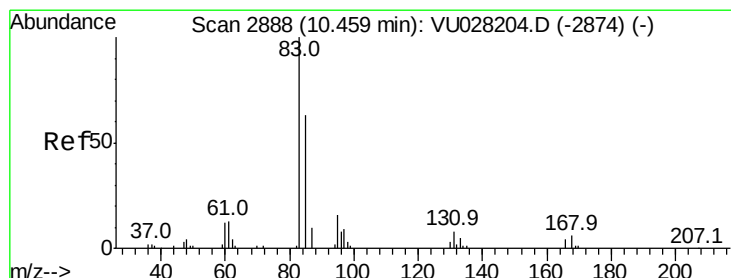
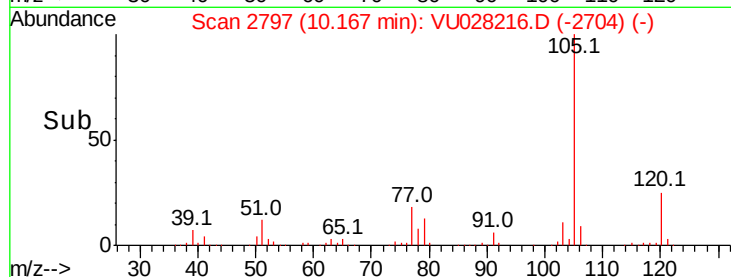
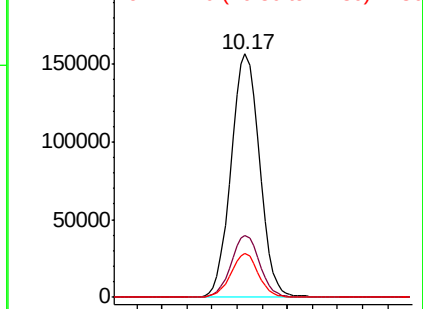
77 17.4 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.423 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

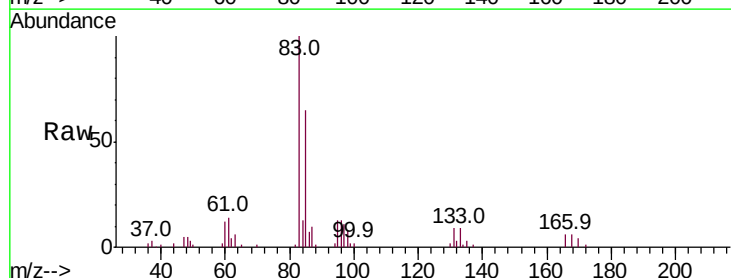
Tgt Ion: 83 Resp: 45000

Ion Ratio Lower Upper

83 100

85 65.0 46.7 86.7

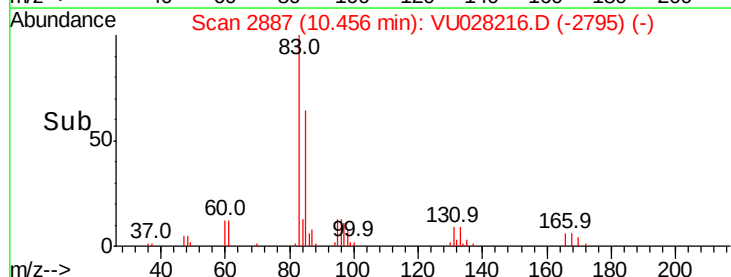
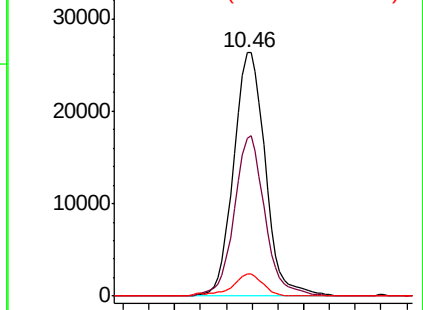
131 9.2 5.9 8.9#

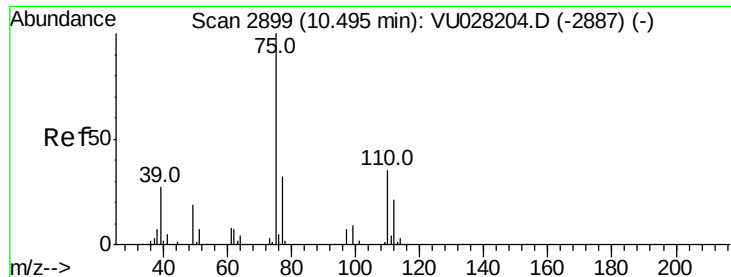


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.356 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

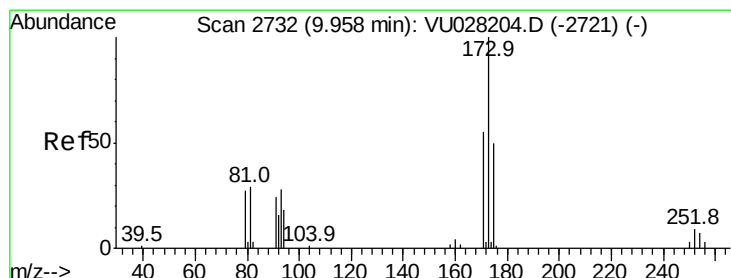
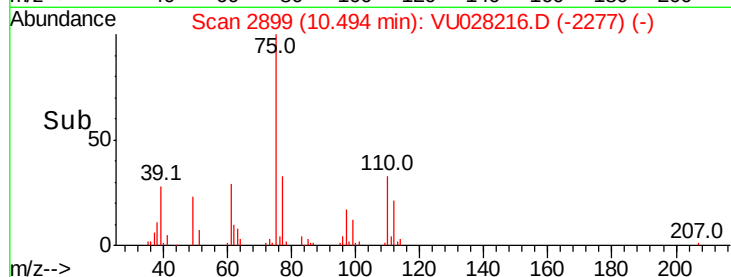
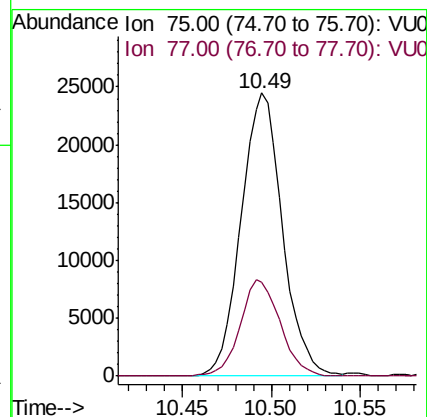
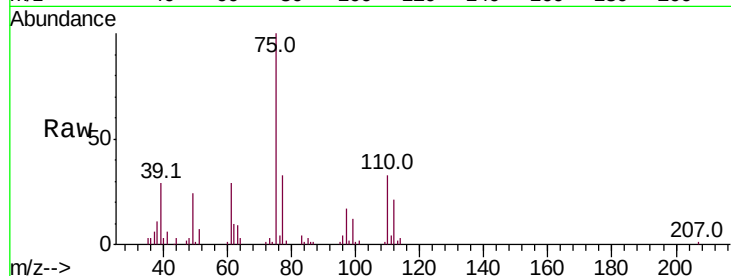
ClientSampled :

Tot Ion: 75 Resp: 39334

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



#61

Bromoform

Concen: 4.647 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

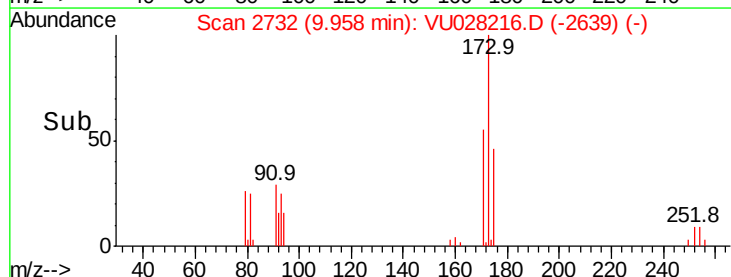
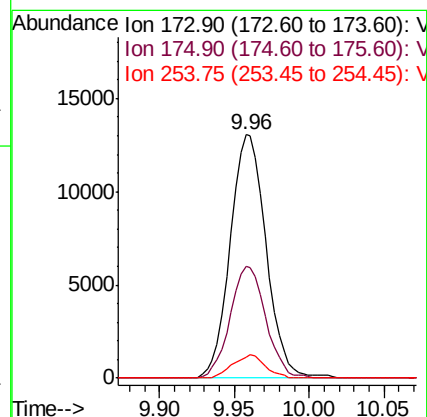
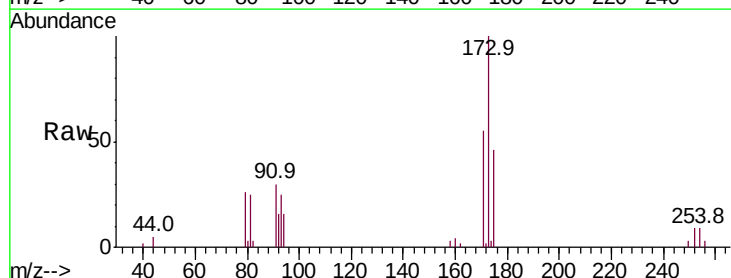
Tgt Ion: 173 Resp: 21834

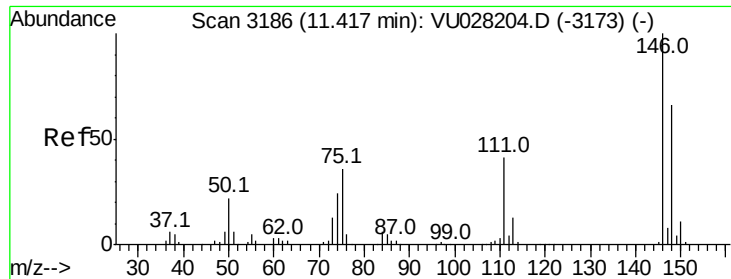
Ion Ratio Lower Upper

173 100

175 45.5 38.2 57.2

254 8.6 7.1 10.7

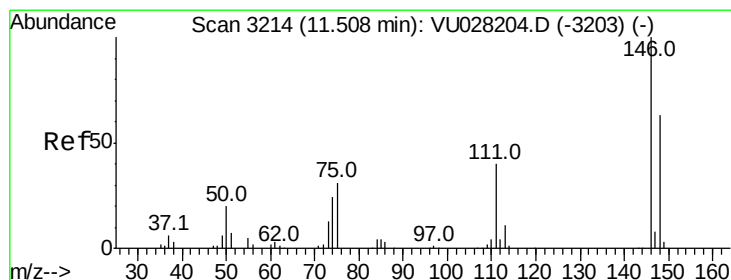
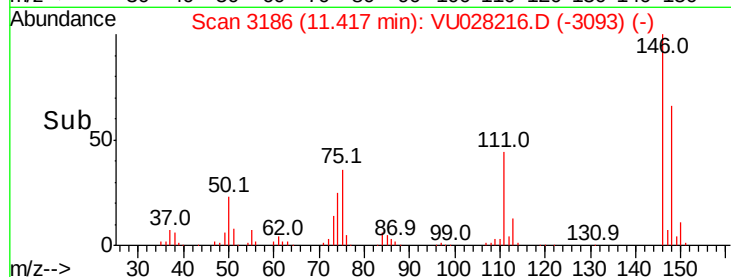
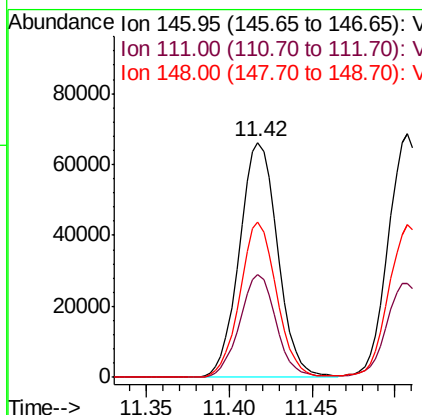
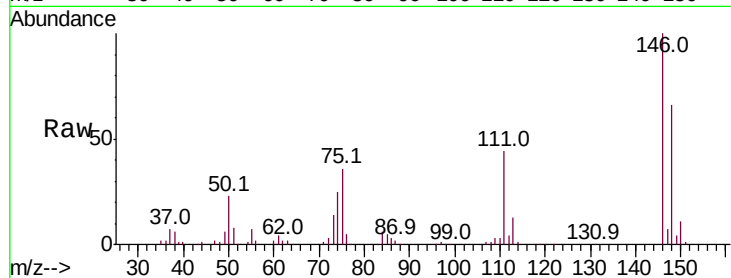




#62
 1,3-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

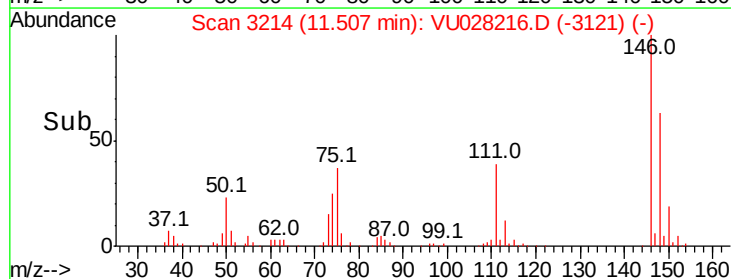
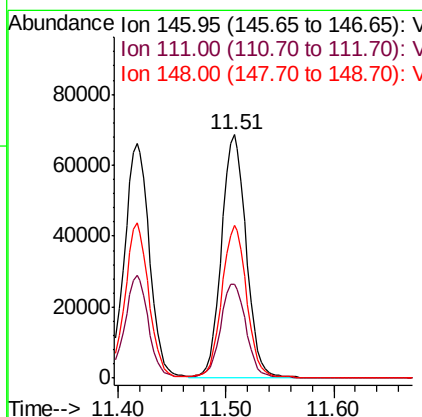
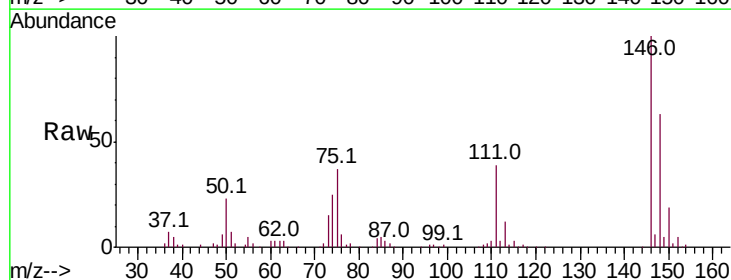
Instrument :
 MSVOA_U
 ClientSampleId :

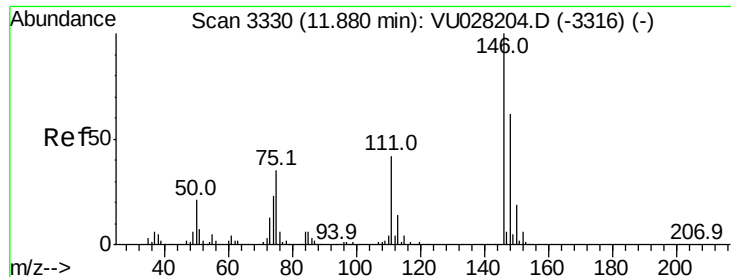
Tot Ion:146 Resp: 106272
 Ion Ratio Lower Upper
 146 100
 111 43.7 29.3 54.3
 148 66.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.951 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Tgt Ion:146 Resp: 110103
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.4 51.0
 148 62.5 43.8 81.3

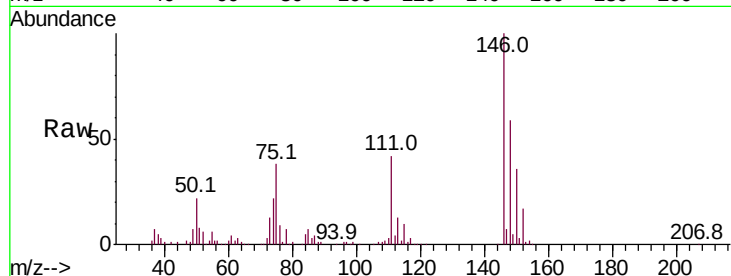




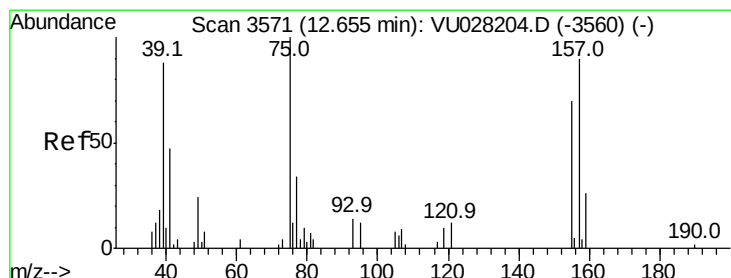
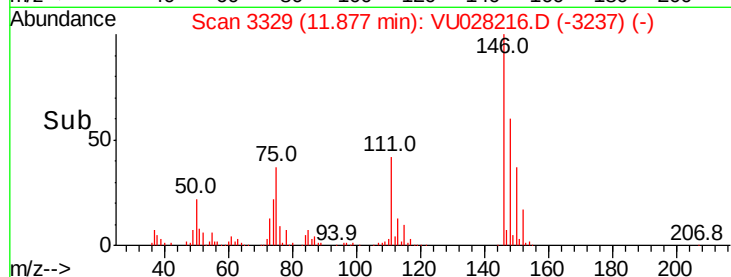
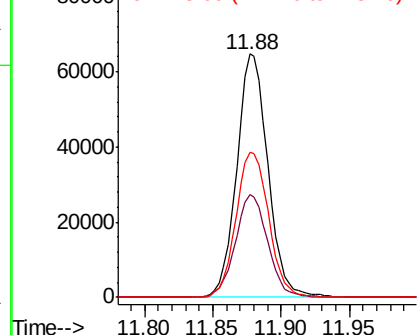
#65
 1,2-Dichlorobenzene
 Concen: 4.874 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 102398
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.9 50.9
 148 59.5 50.9 76.3

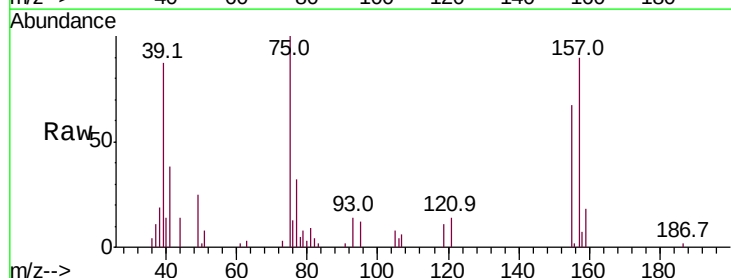


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

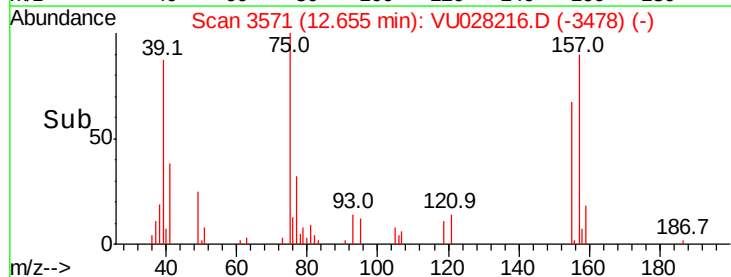
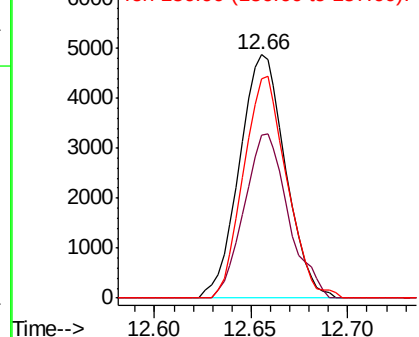


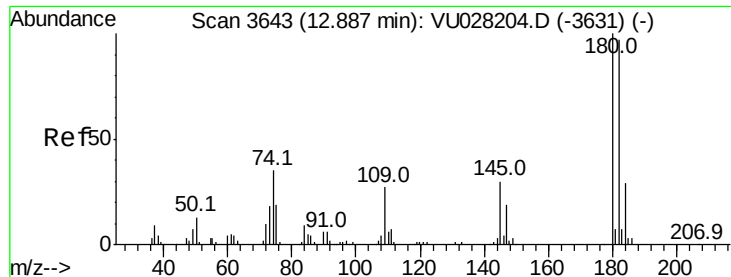
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.287 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Tgt Ion: 75 Resp: 8060
 Ion Ratio Lower Upper
 75 100
 155 66.8 62.8 94.2
 157 89.8 85.3 127.9



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

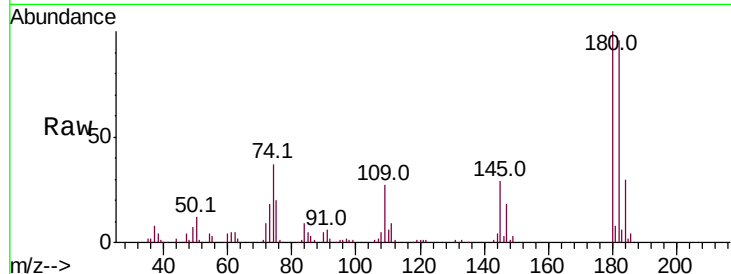




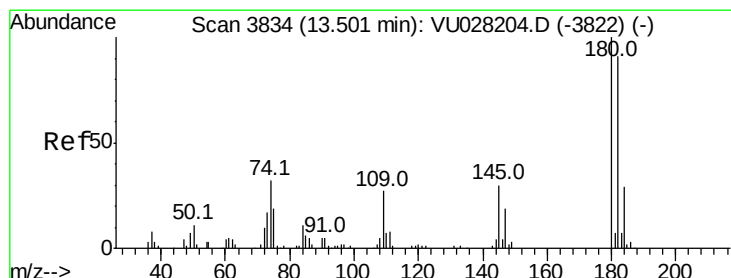
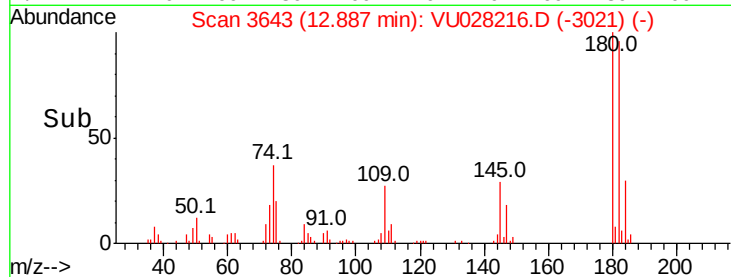
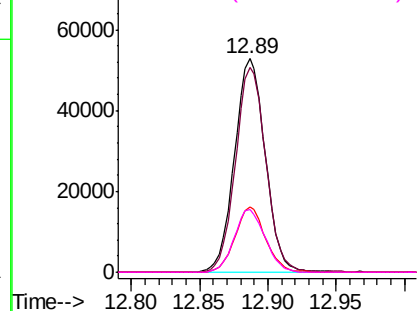
#67
 1,3,5-Trichlorobenzene
 Concen: 4.916 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	82863
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.6 114.8
184	30.2	24.7 37.1
145	29.4	24.0 36.0

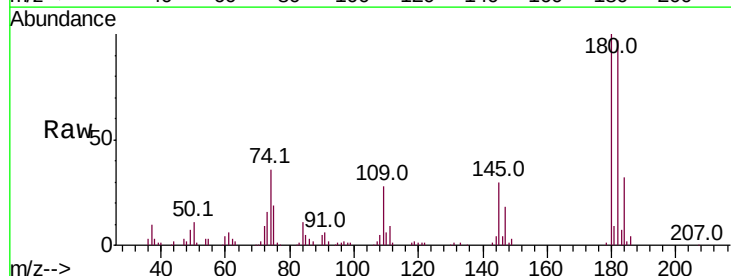


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

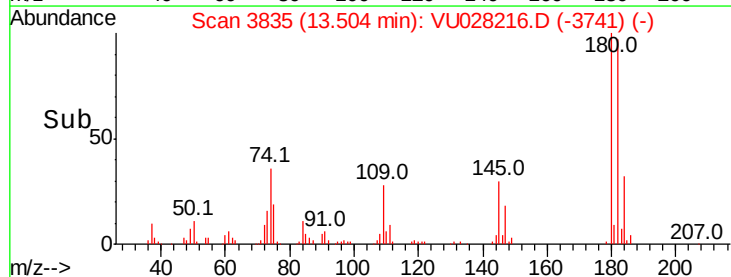
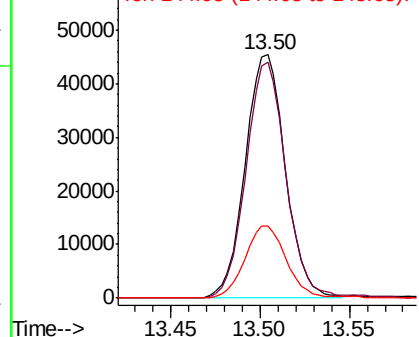


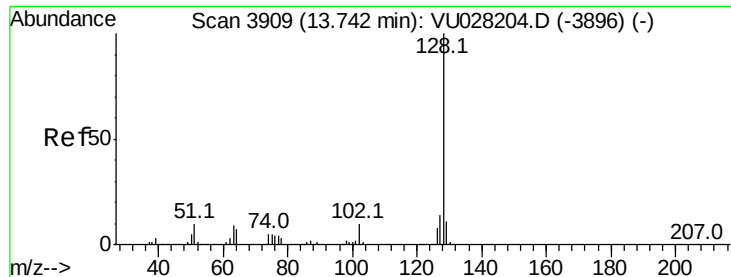
#68
 1,2,4-trichlorobenzene
 Concen: 4.850 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028216.D
 Acq: 17 Nov 2018 04:52

Tgt Ion:180	Resp:	71255
Ion Ratio	Lower	Upper
180	100	
182	95.9	75.1 112.7
145	30.5	23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.752 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampled :

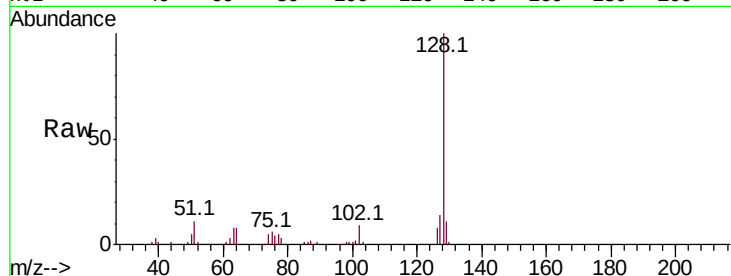
Tot Ion:128 Resp: 130102

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

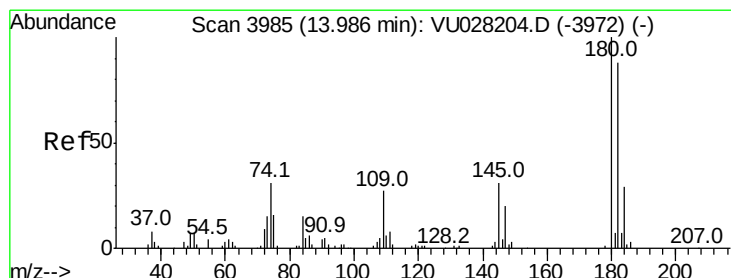
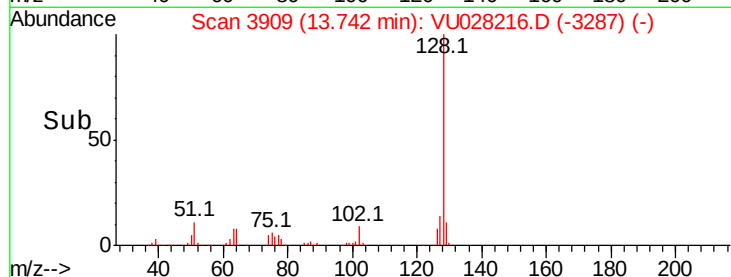
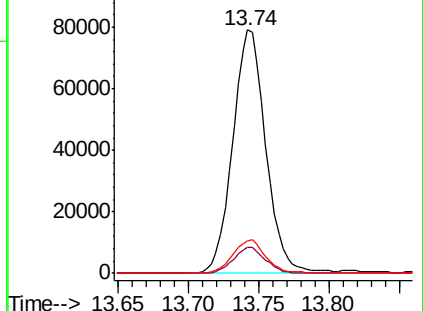
127 13.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.937 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028216.D

Acq: 17 Nov 2018 04:52

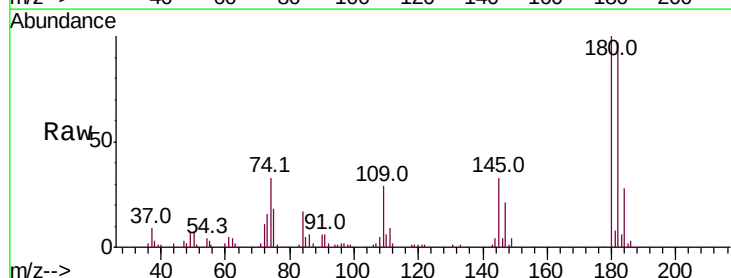
Tgt Ion:180 Resp: 66819

Ion Ratio Lower Upper

180 100

182 97.1 77.6 116.4

145 32.8 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

