

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028183.D
 Acq On : 16 Nov 2018 13:29
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 16 23:57:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 00:43:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	150273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	144414	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65586	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.68	69	51587	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.28	63	125267	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	4.22	46	211800	58.56	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.12%
24) Chloroform-d	4.65	84	111970	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
26) 1,2-Dichloroethane-d4	5.31	65	61648	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.34	84	222878	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.33	67	81986	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.57	98	203102	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.85	79	27096	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.31	63	164094	54.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59656	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	67518	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	69487	5.242	ug/L 99
3) Chloromethane	1.33	50	86174	5.086	ug/L 99
5) Vinyl chloride	1.41	62	82062	5.098	ug/L 99
6) Bromomethane	1.63	94	43785	5.679	ug/L 96
8) Chloroethane	1.70	64	49013	5.058	ug/L 97
9) Trichlorofluoromethane	1.89	101	98743	5.624	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	54530	5.532	ug/L 95
12) 1,1-Dichloroethene	2.29	96	49518	4.956	ug/L 80
13) Acetone	2.36	43	148966	61.156	ug/L 100
14) Carbon disulfide	2.48	76	162847	4.861	ug/L 99
15) Methyl Acetate	2.63	43	36691	5.633	ug/L 97
16) Methylene chloride	2.70	84	70240	5.950	ug/L 92
17) Methyl tert-butyl Ether	3.01	73	150346	5.382	ug/L 99
18) trans-1,2-Dichloroethene	2.98	96	54442	5.125	ug/L 98
19) 1,1-Dichloroethane	3.45	63	124785	5.586	ug/L 97
21) 2-Butanone	4.30	43	237551	61.796	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	63202	5.396	ug/L 95

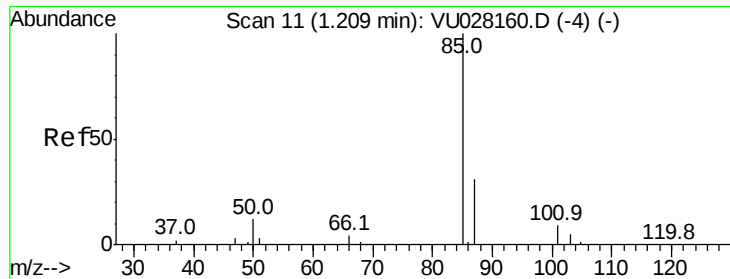
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	24952	5.391	ug/L	96
25) Chloroform	4.68	83	113657	5.672	ug/L	98
27) 1,2-Dichloroethane	5.41	62	77227	5.863	ug/L	99
29) 1,1,1-Trichloroethane	4.92	97	87640	5.362	ug/L	99
30) Cyclohexane	5.00	56	117771	5.138	ug/L	100
31) Carbon tetrachloride	5.13	117	72671	5.357	ug/L	99
33) Benzene	5.39	78	258886	5.321	ug/L	100
34) Trichloroethene	6.19	95	64842	5.393	ug/L	96
35) Methylcyclohexane	6.41	83	101964	4.933	ug/L	94
37) 1,2-Dichloropropane	6.43	63	75574	5.617	ug/L	100
38) Bromodichloromethane	6.76	83	76462	5.341	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	96598	5.310	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	541480	58.444	ug/L	98
42) Toluene	7.64	91	267891	5.340	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	74167	5.203	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	44446	5.472	ug/L	95
47) Tetrachloroethene	8.23	164	45324	4.636	ug/L	97
48) 2-Hexanone	8.37	43	406840	61.714	ug/L	97
49) Dibromochloromethane	8.48	129	46763	5.408	ug/L	99
50) 1,2-Dibromoethane	8.59	107	41236	5.392	ug/L	97
51) Chlorobenzene	9.12	112	153536	5.234	ug/L	97
52) Ethylbenzene	9.25	91	292444	5.341	ug/L	100
53) m,p-xylene	9.38	106	105645	5.296	ug/L	96
54) o-xylene	9.78	106	101468	5.283	ug/L	100
55) Styrene	9.79	104	174840	5.383	ug/L	100
56) Isopropylbenzene	10.17	105	268456	5.168	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	60715	5.799	ug/L	95
59) 1,2,3-Trichloropropane	10.49	75	42800	5.664	ug/L	99
61) Bromoform	9.96	173	23749	4.974	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	117369	5.257	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	118228	5.231	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	113119	5.298	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	8686	5.607	ug/L	86
67) 1,3,5-Trichlorobenzene	12.89	180	91651	5.351	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	80078	5.364	ug/L	99
69) Naphthalene	13.74	128	146797	5.277	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	73926	5.376	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.242 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

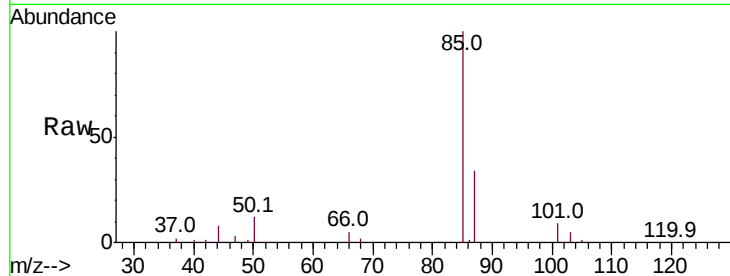
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 69487

Ion Ratio Lower Upper

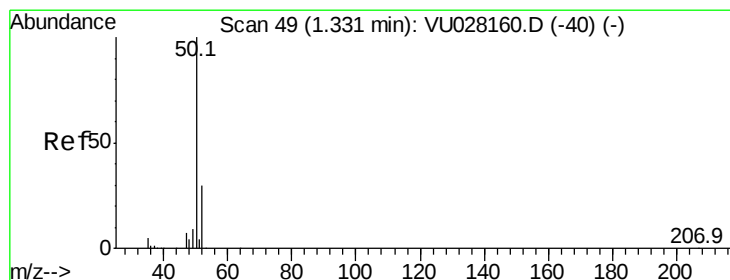
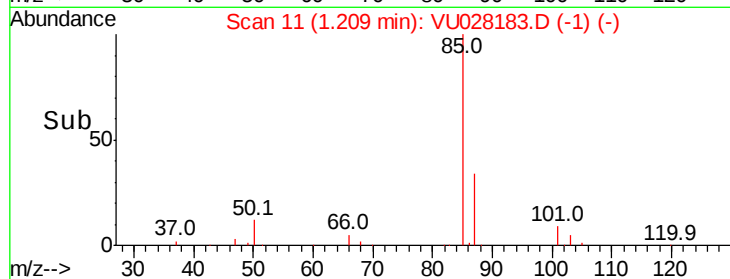
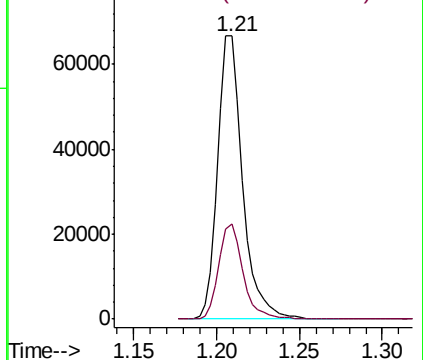
85 100

87 32.7 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: 5.086 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028183.D

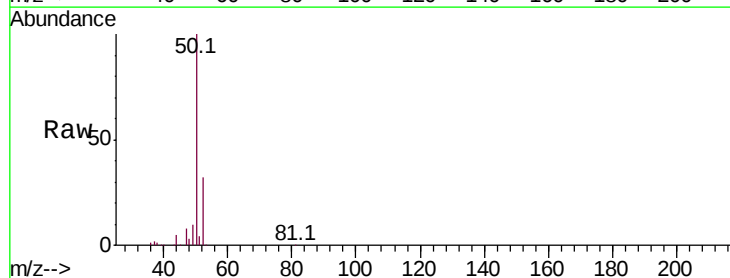
Acq: 16 Nov 2018 13:29

Tgt Ion: 50 Resp: 86174

Ion Ratio Lower Upper

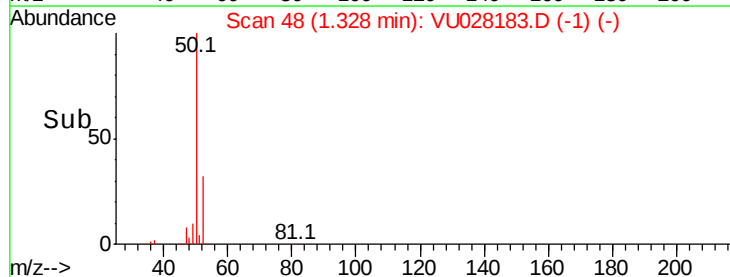
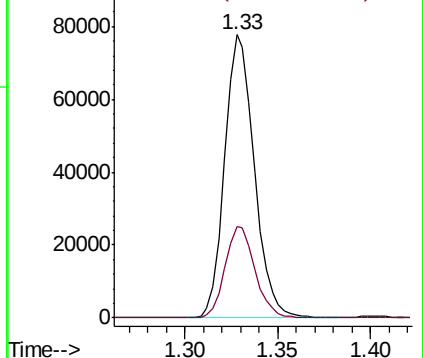
50 100

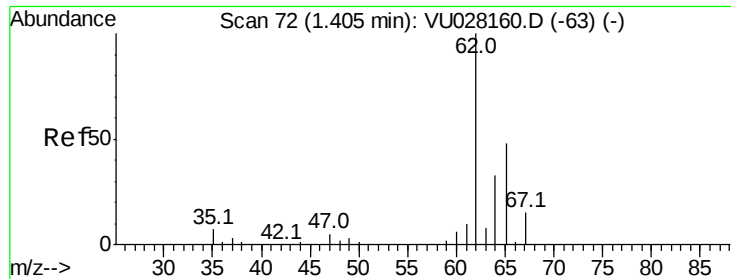
52 32.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.098 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

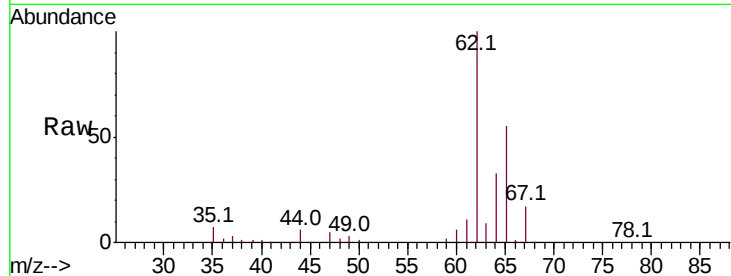
ClientSampleId :

Tot Ion: 62 Resp: 82062

Ion Ratio Lower Upper

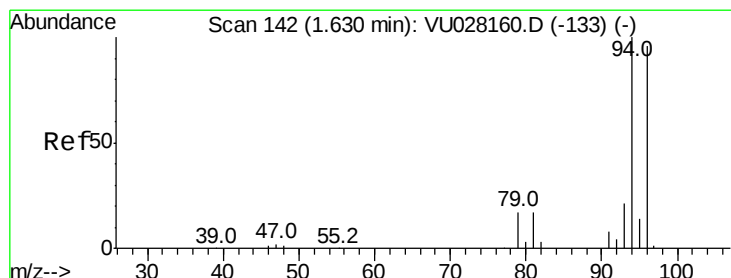
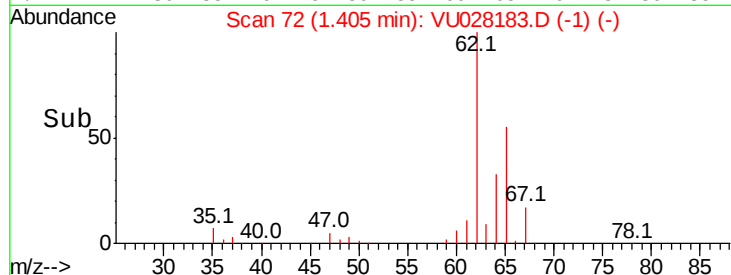
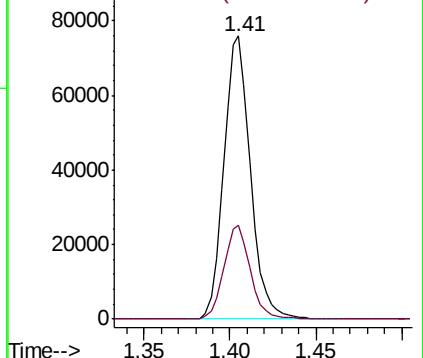
62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.679 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028183.D

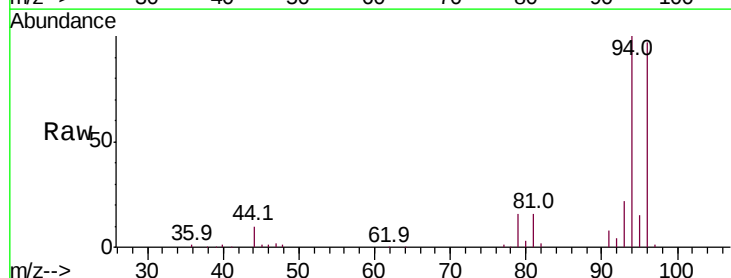
Acq: 16 Nov 2018 13:29

Tgt Ion: 94 Resp: 43785

Ion Ratio Lower Upper

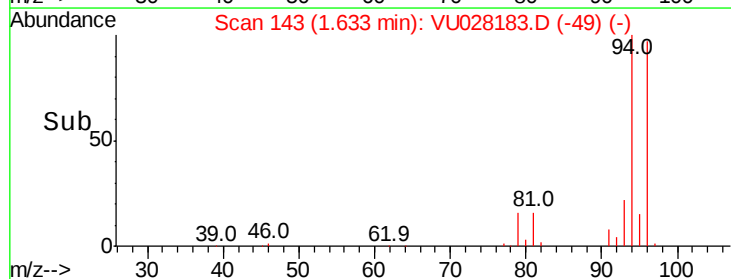
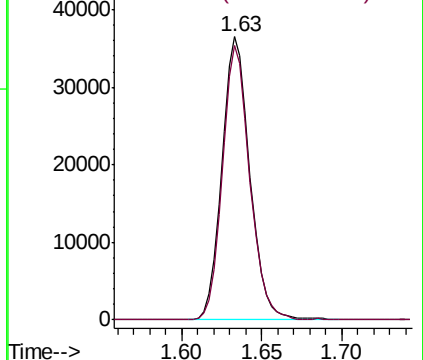
94 100

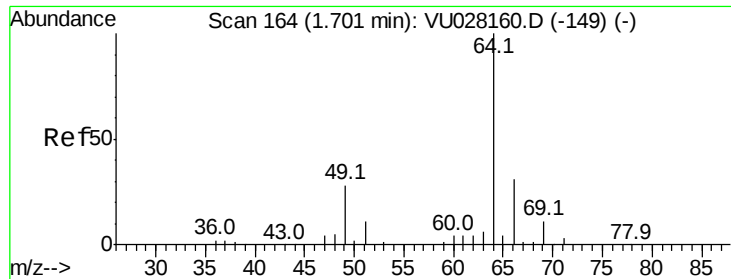
96 96.8 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

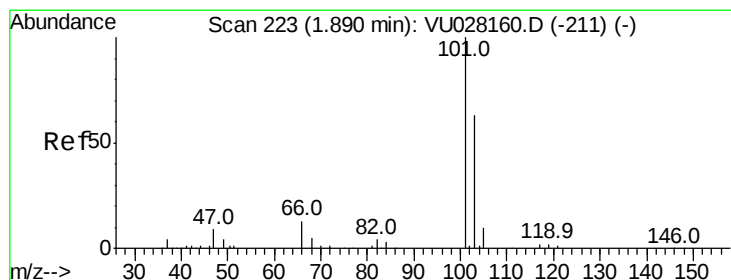
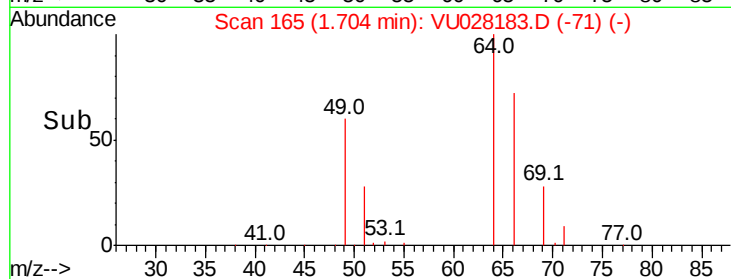
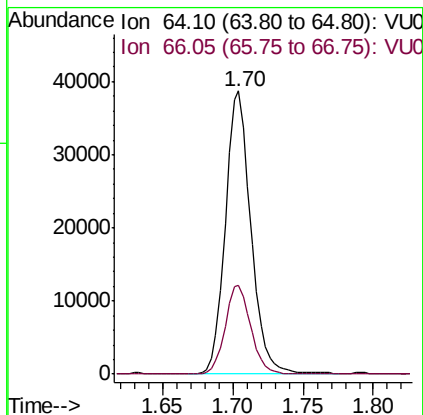
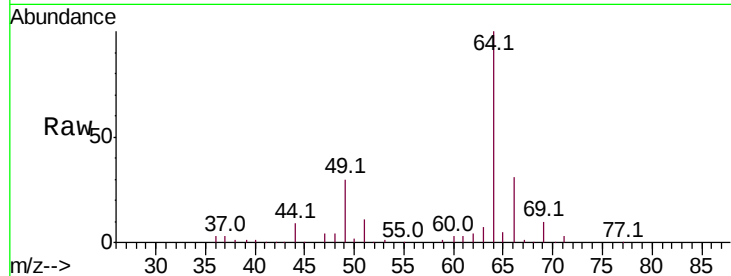




#8
 Chloroethane
 Concen: 5.058 ug/L
 RT: 1.70 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

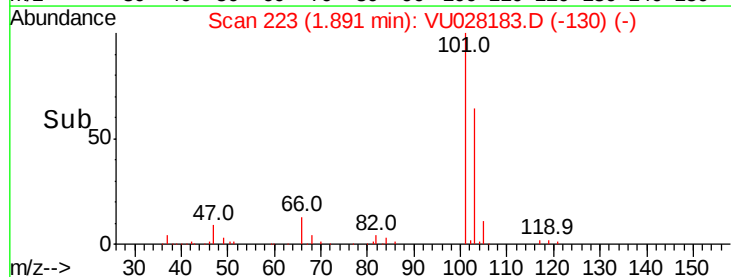
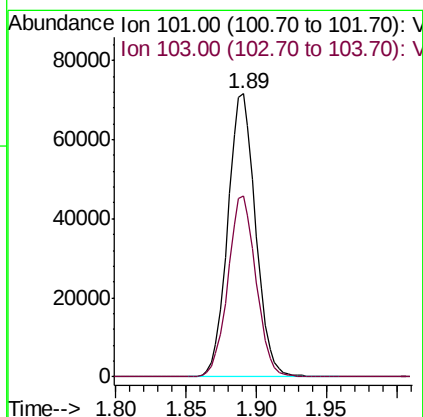
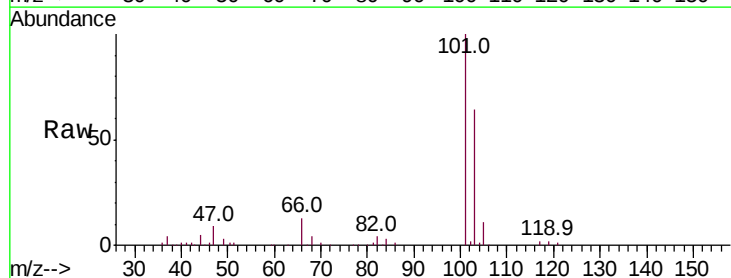
Instrument :
 MSVOA_U
 ClientSampleId :

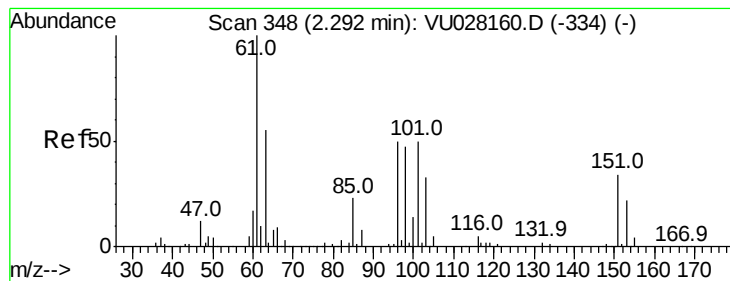
Tot Ion: 64 Resp: 49013
 Ion Ratio Lower Upper
 64 100
 66 31.5 23.1 42.9



#9
 Trichlorofluoromethane
 Concen: 5.624 ug/L
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion:101 Resp: 98743
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8





#10

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

Concen: 5.532 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

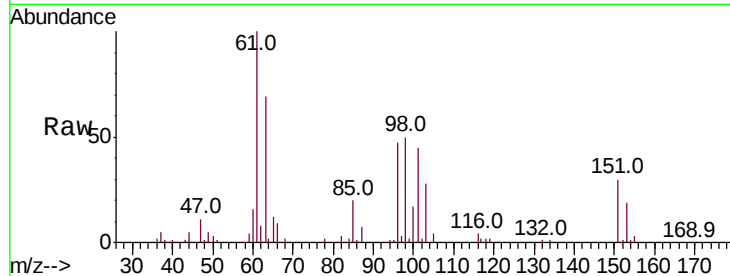
Tot Ion:101 Resp: 54530

Ion Ratio Lower Upper

101 100

85 44.3 37.6 56.4

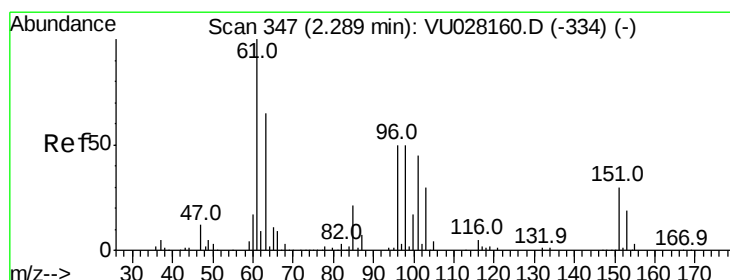
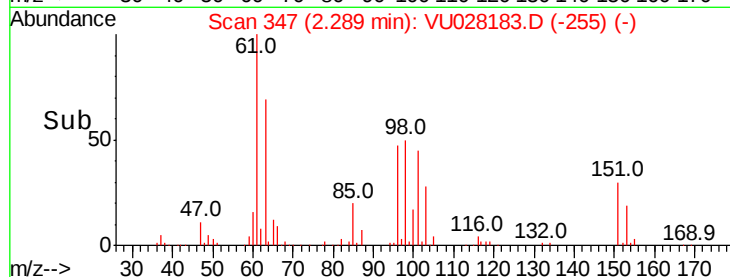
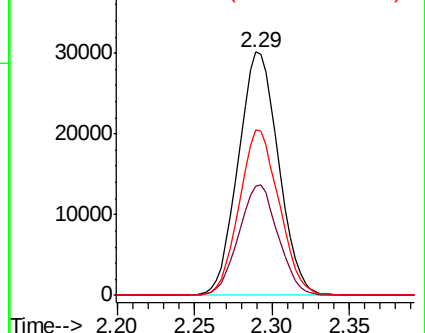
151 67.4 58.2 87.2



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: 4.956 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

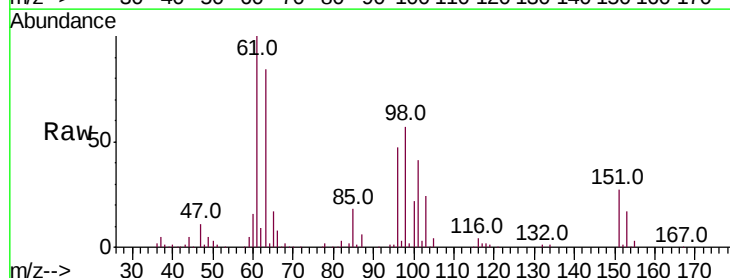
Tgt Ion: 96 Resp: 49518

Ion Ratio Lower Upper

96 100

61 213.2 134.8 250.3

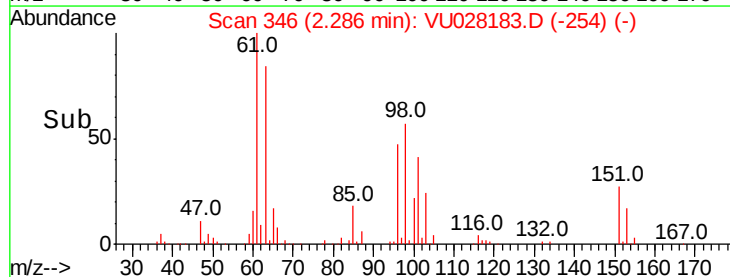
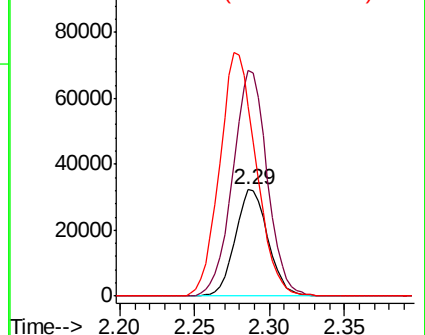
63 179.0 100.1 185.9

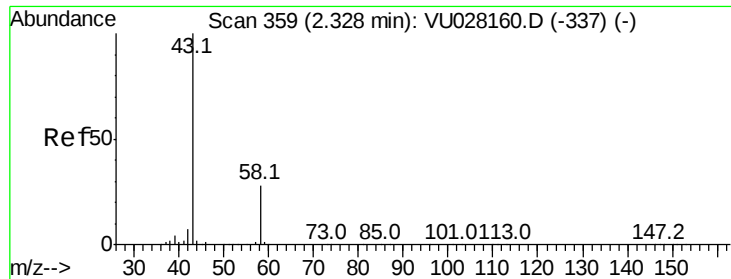


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.156 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.03 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

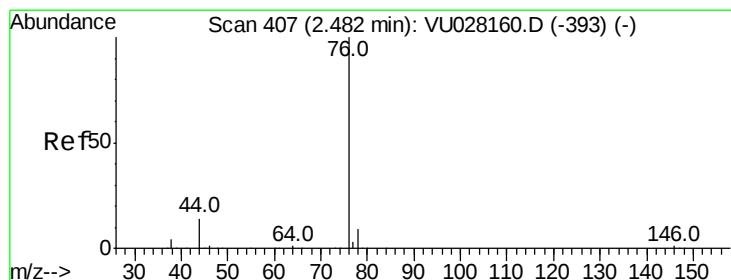
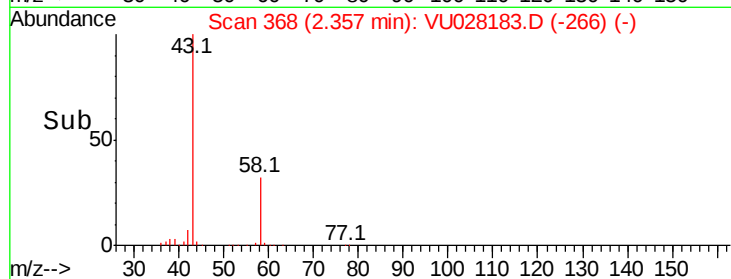
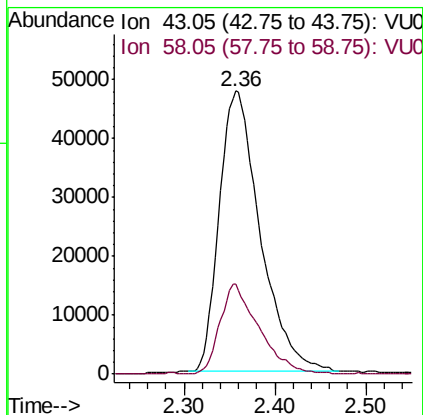
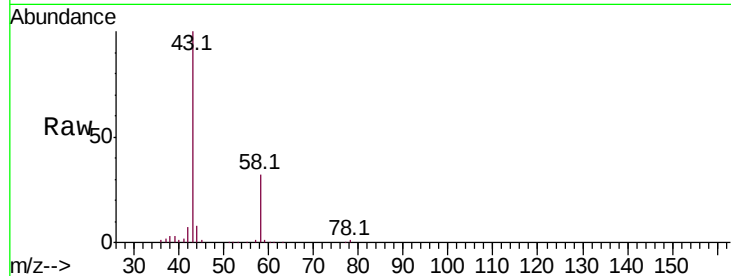
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 148966

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.6



#14

Carbon disulfide

Concen: 4.861 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028183.D

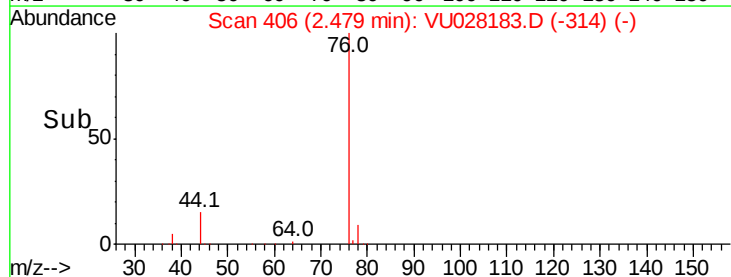
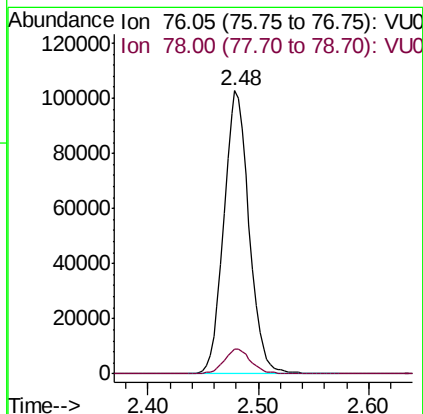
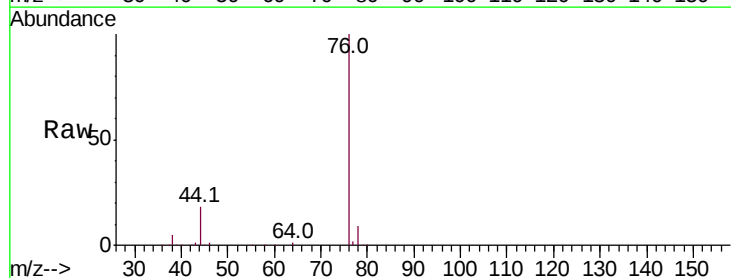
Acq: 16 Nov 2018 13:29

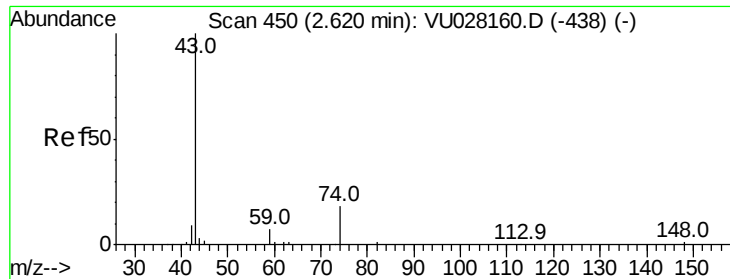
Tgt Ion: 76 Resp: 162847

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4





#15

Methvl Acetate

Concen: 5.633 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.01 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

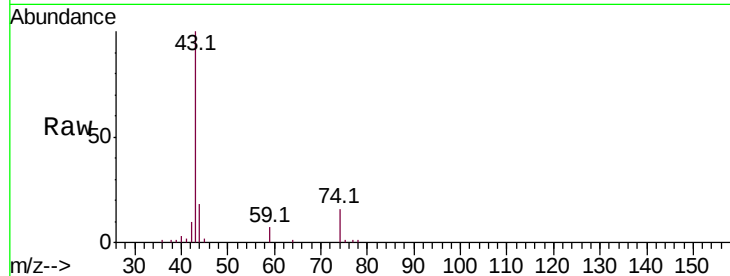
ClientSampleId :

Tot Ion: 43 Resp: 36691

Ion Ratio Lower Upper

43 100

74 17.2 14.9 22.3



Abundance Ion 43.05 (42.75 to 43.75): VU028160.D (-438) (-)

Ion 74.05 (73.75 to 74.75): VU028160.D (-438) (-)

2.63

20000

15000

10000

5000

0

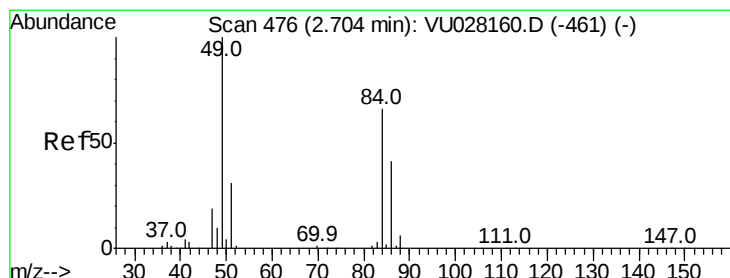
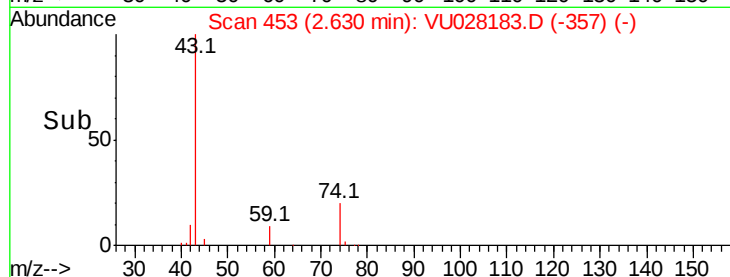
Time-->

2.55

2.60

2.65

2.70



#16

Methylene chloride

Concen: 5.950 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

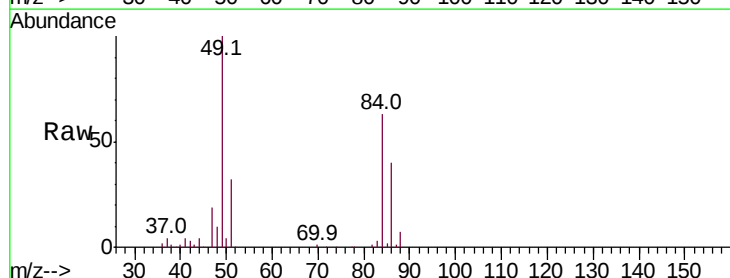
Tgt Ion: 84 Resp: 70240

Ion Ratio Lower Upper

84 100

86 64.5 44.6 82.8

49 159.5 102.5 190.3



Abundance Ion 84.05 (83.75 to 84.75): VU028160.D (-461) (-)

Ion 86.00 (85.70 to 86.70): VU028160.D (-461) (-)

Ion 49.10 (48.80 to 49.80): VU028160.D (-461) (-)

80000

60000

40000

20000

0

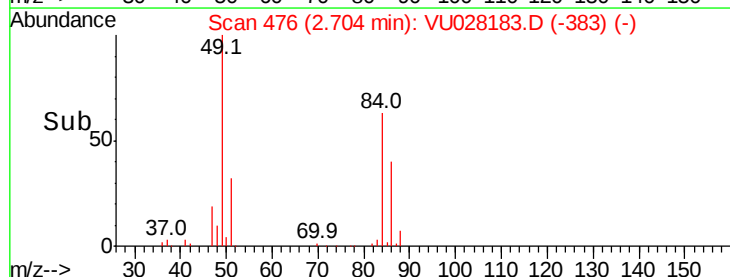
Time-->

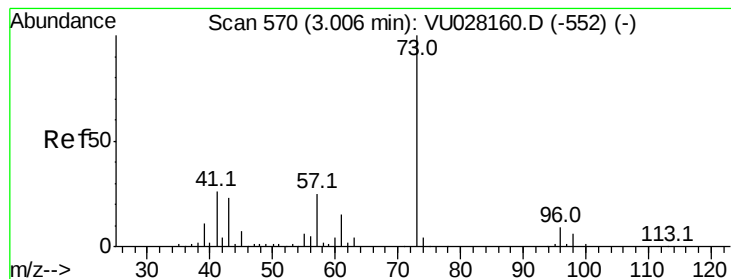
2.65

2.70

2.75

2.80



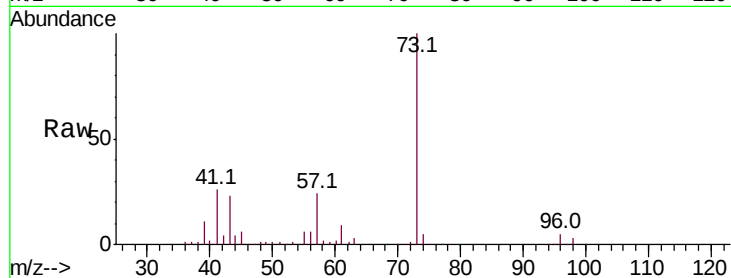


#17

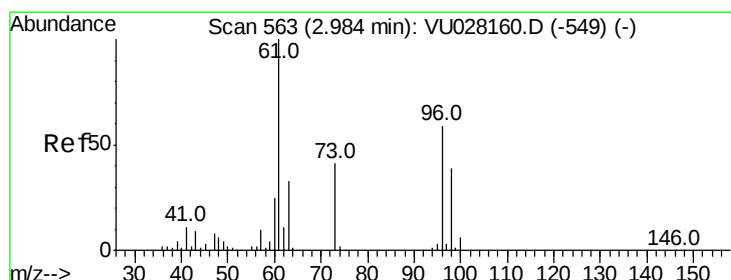
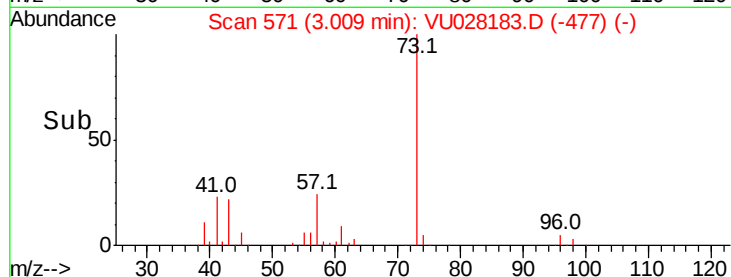
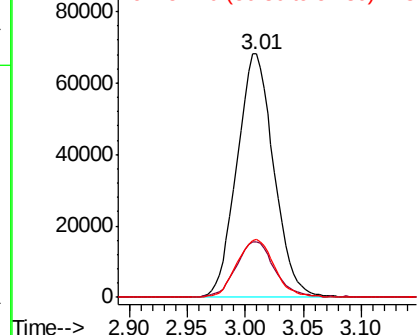
Methvl tert-butvl Ether
Concen: 5.382 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 150346
Ion Ratio Lower Upper
73 100
43 23.3 18.1 27.1
57 24.4 20.0 30.0



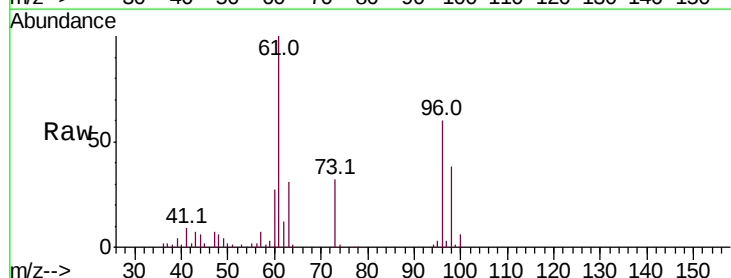
Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



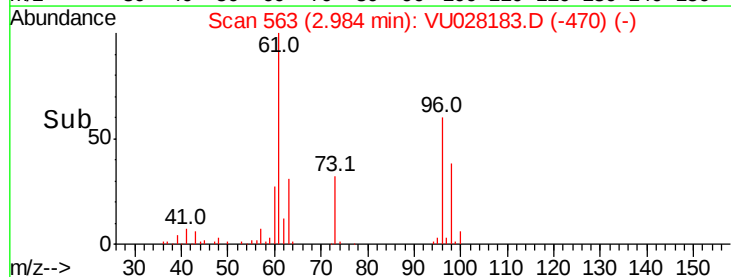
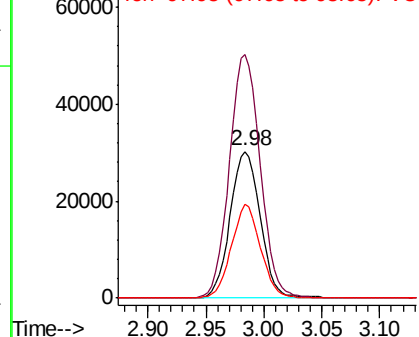
#18

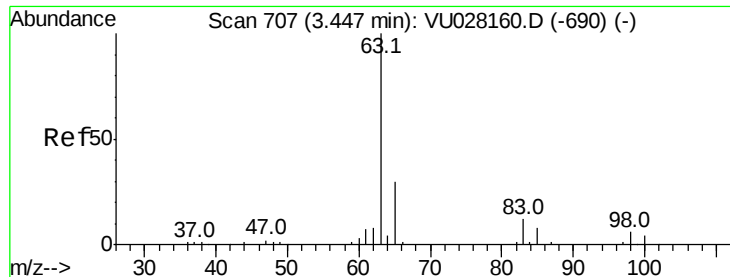
trans-1,2-Dichloroethene
Concen: 5.125 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion: 96 Resp: 54442
Ion Ratio Lower Upper
96 100
61 165.7 118.5 220.1
98 63.7 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

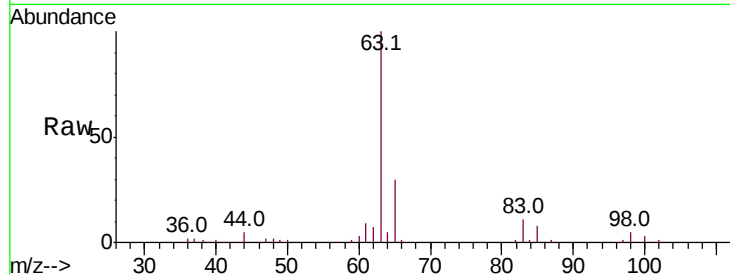




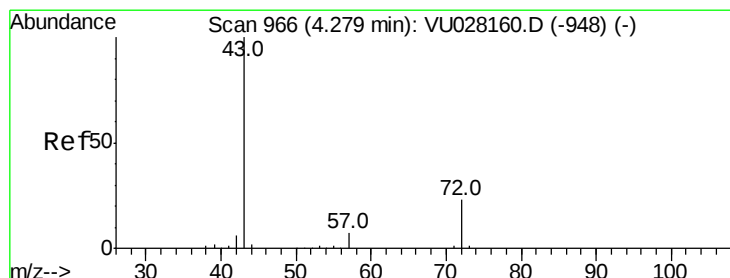
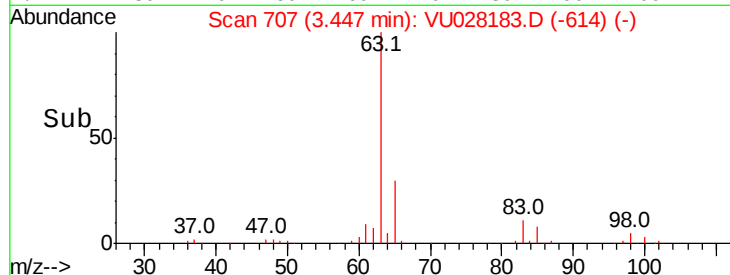
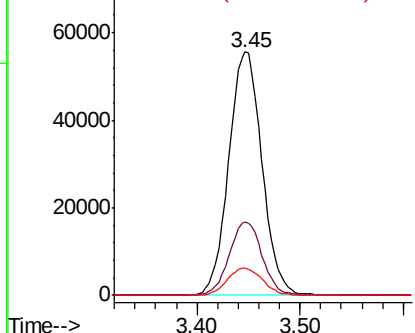
#19
 1,1-Dichloroethane
 Concen: 5.586 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.2	41.2
83	11.4	8.9	16.5

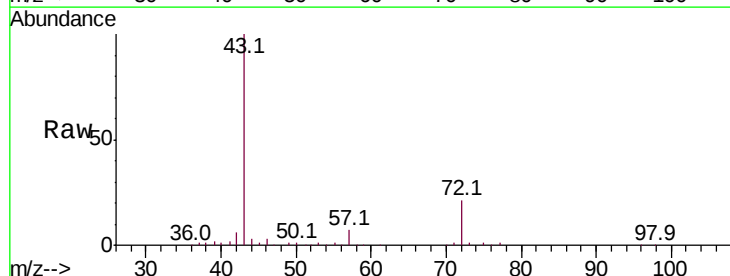


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

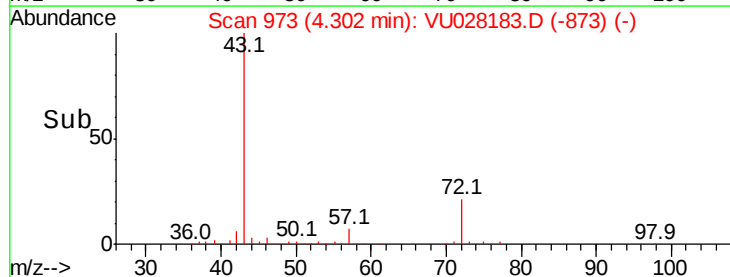
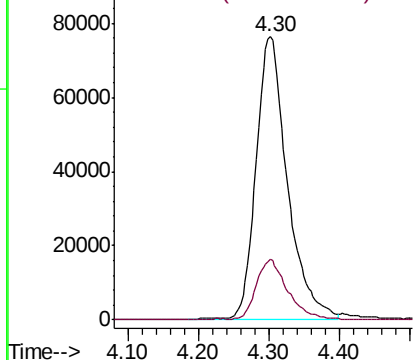


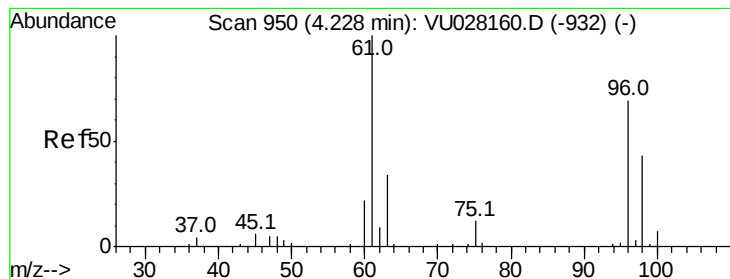
#21
 2-Butanone
 Concen: 61.796 ug/L
 RT: 4.30 min Scan# 973
 Delta R.T. 0.02 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt 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



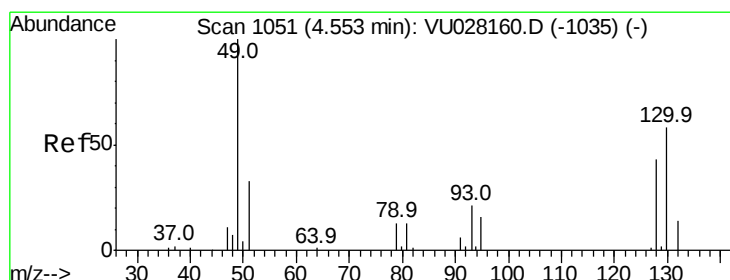
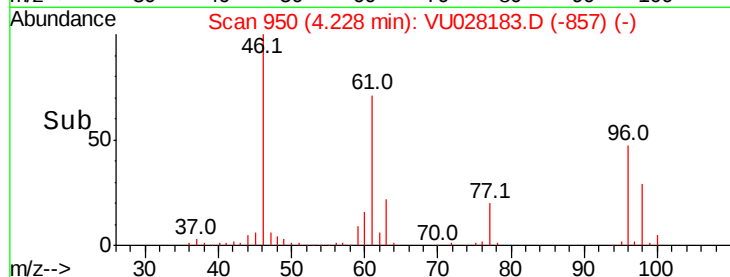
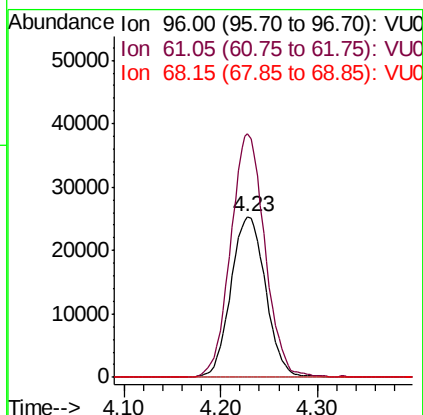
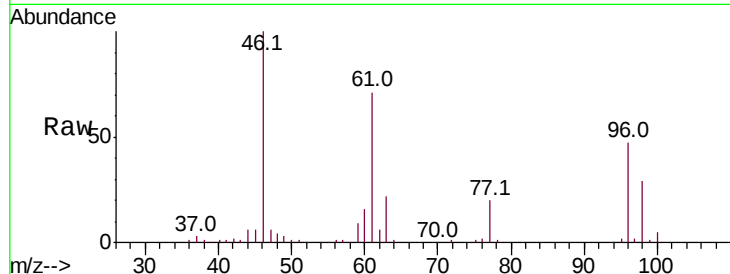


#22

cis-1,2-Dichloroethene
Concen: 5.396 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Instrument :
MSVOA_U
ClientSampled :

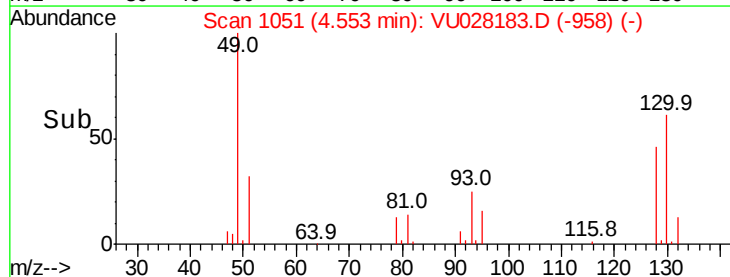
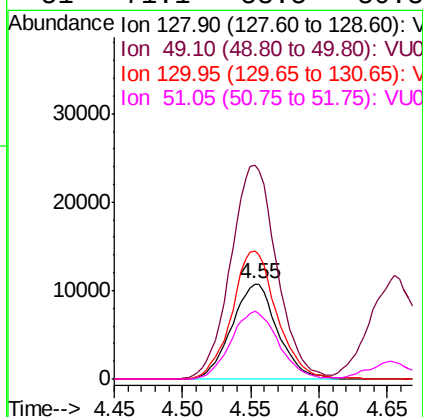
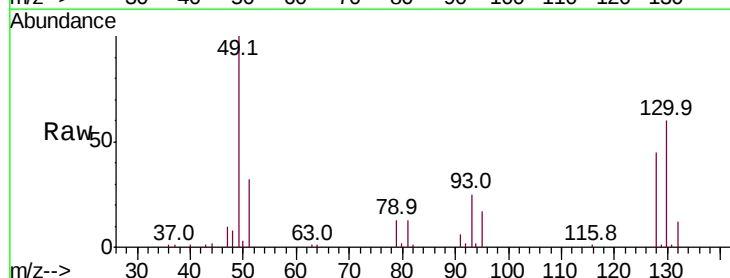
Tot Ion: 96 Resp: 63202
Ion Ratio Lower Upper
96 100
61 151.3 101.8 189.0
68 0.0 0.0 0.0

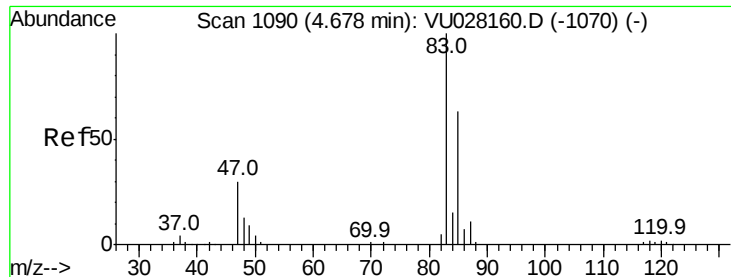


#23

Bromochloromethane
Concen: 5.391 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion:128 Resp: 24952
Ion Ratio Lower Upper
128 100
49 224.5 152.2 282.6
130 134.7 93.2 173.0
51 71.1 53.5 80.3

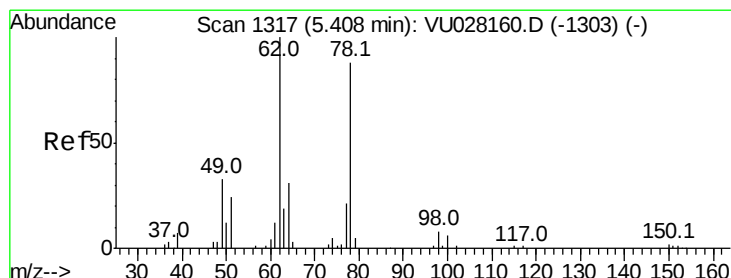
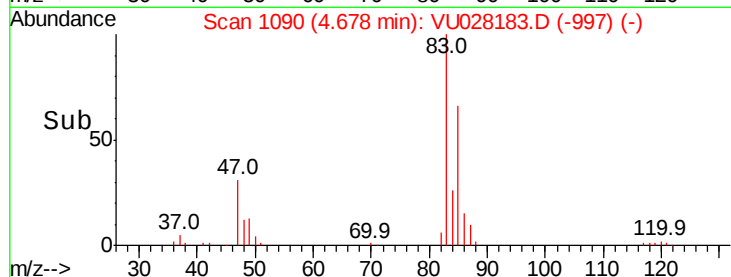
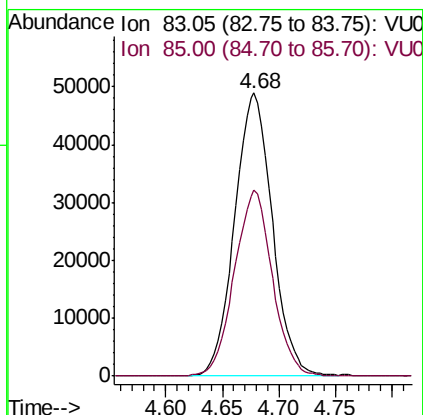
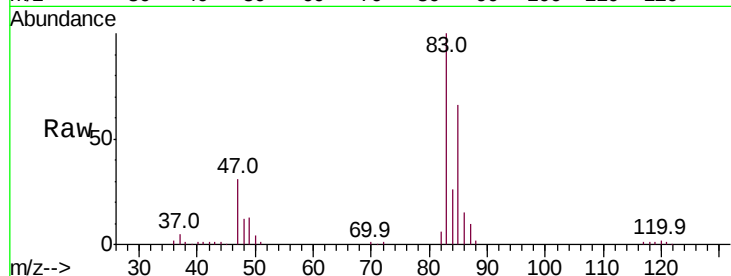




#25
Chloroform
Concen: 5.672 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

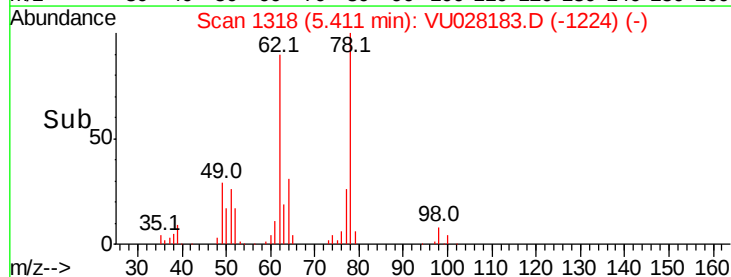
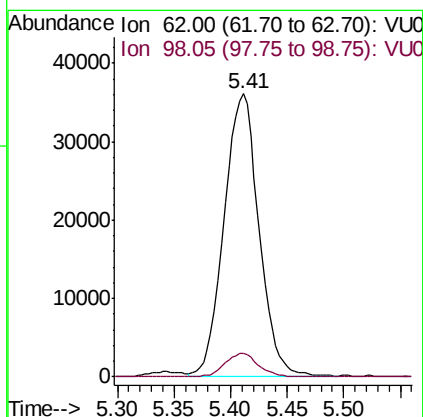
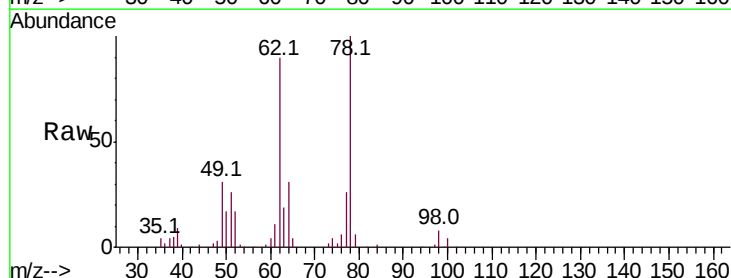
Instrument :
MSVOA_U
ClientSampleId :

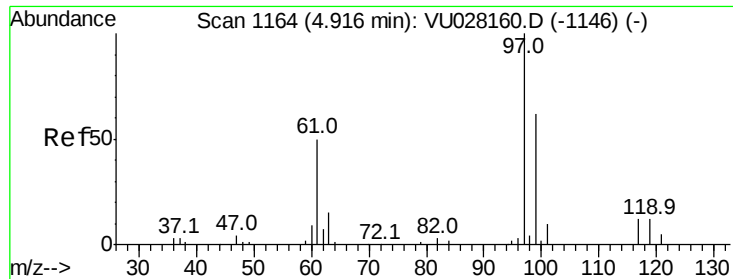
Tot Ion: 83 Resp: 113657
Ion Ratio Lower Upper
83 100
85 66.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.863 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion: 62 Resp: 77227
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.4

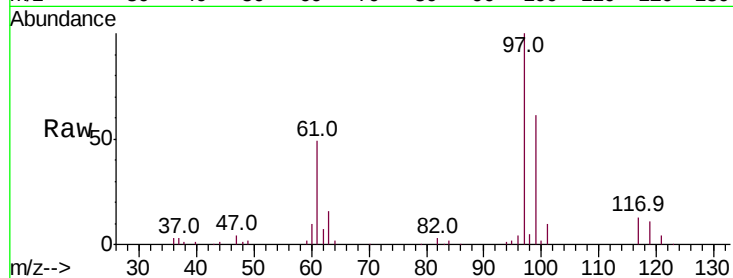




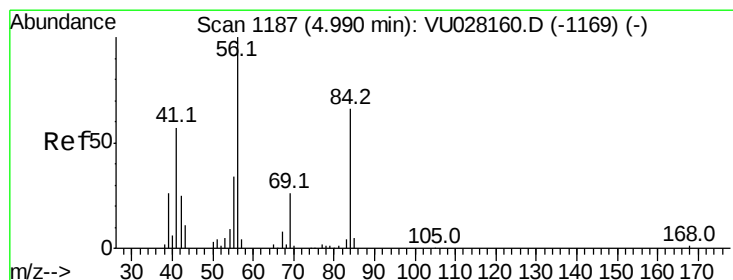
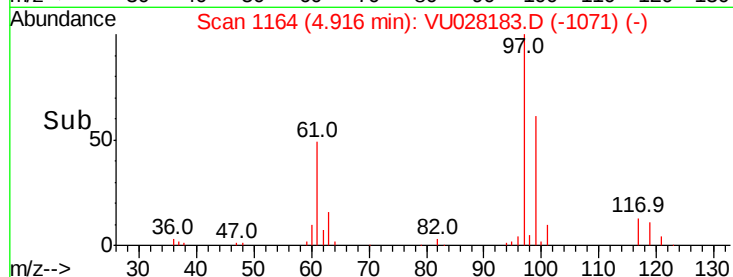
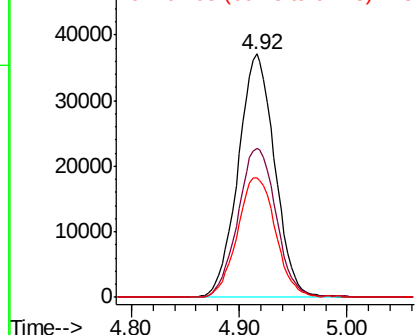
#29
 1,1,1-Trichloroethane
 Concen: 5.362 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 87640
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.2 76.8
 61 51.2 39.4 59.2

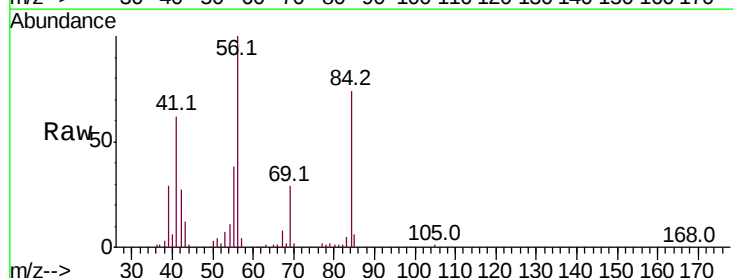


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

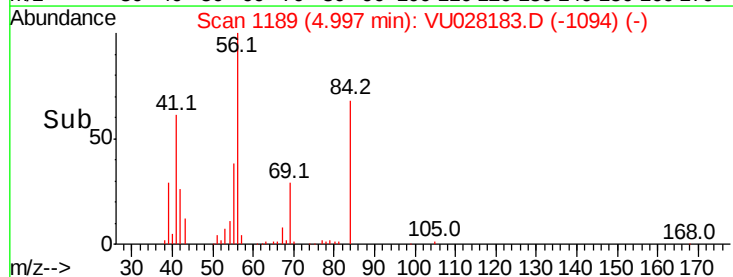
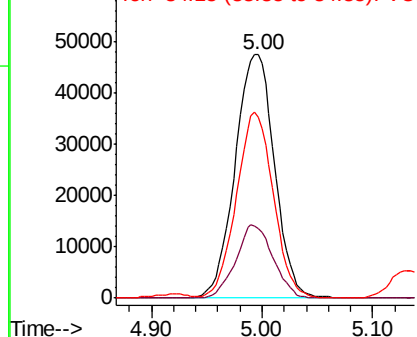


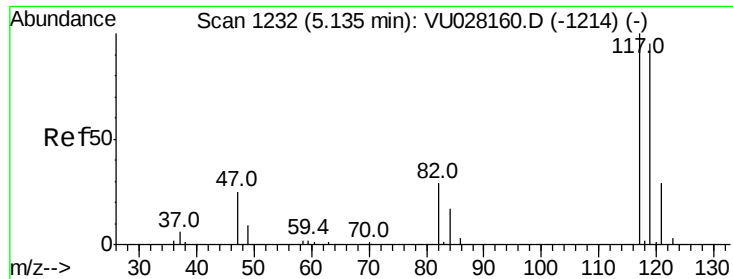
#30
 Cyclohexane
 Concen: 5.138 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion: 56 Resp: 117771
 Ion Ratio Lower Upper
 56 100
 69 28.4 22.6 33.8
 84 71.9 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

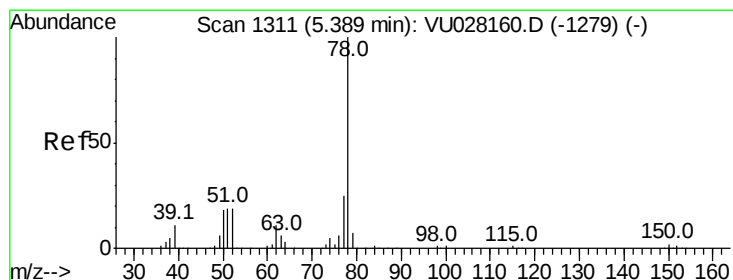
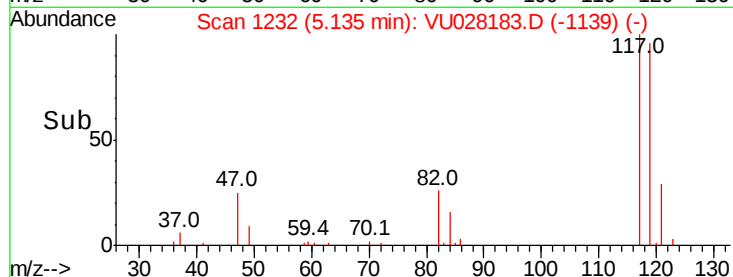
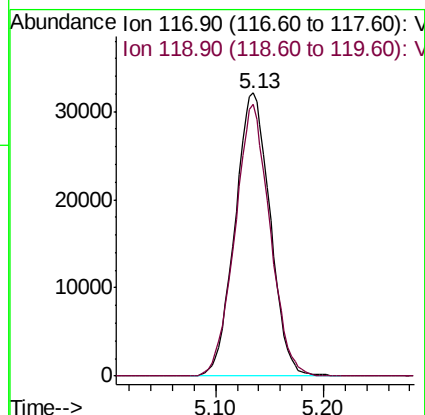
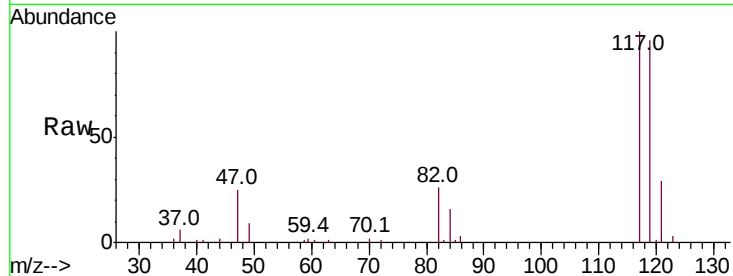




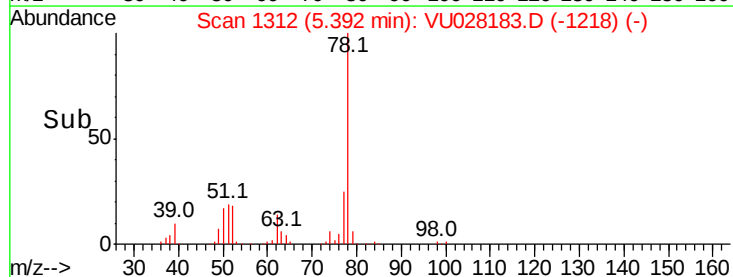
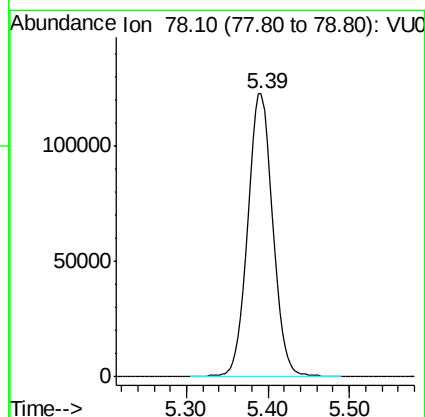
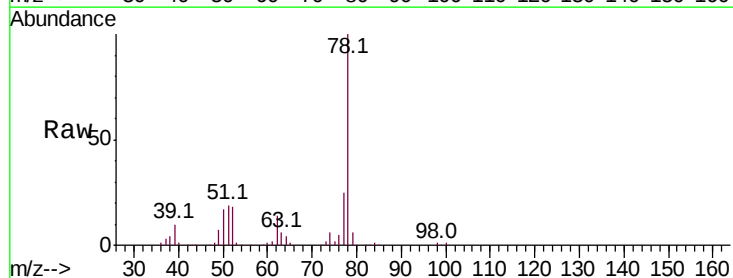
#31
Carbon tetrachloride
Concen: 5.357 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

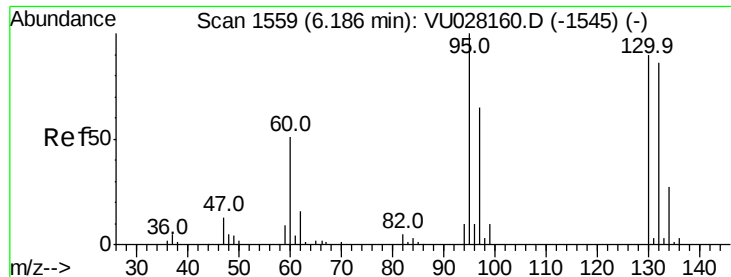
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 72671
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5



#33
Benzene
Concen: 5.321 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29
Tgt Ion: 78 Resp: 258886





#34

Trichloroethene

Concen: 5.393 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 64842

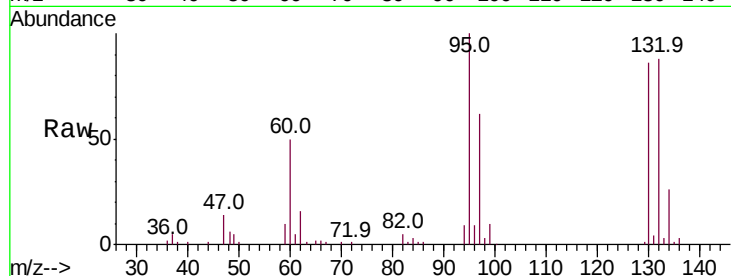
Ion Ratio Lower Upper

95 100

97 62.3 45.3 84.1

132 87.6 63.0 117.0

130 86.1 63.6 118.2

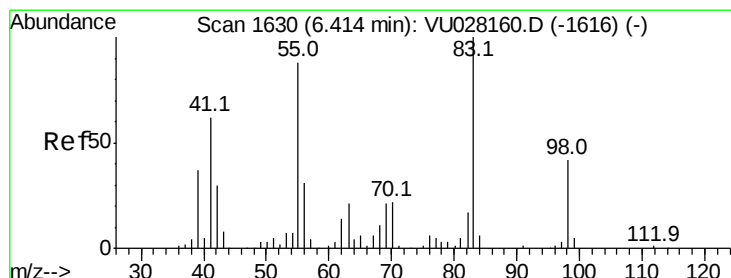
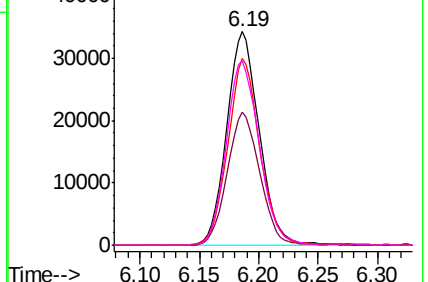
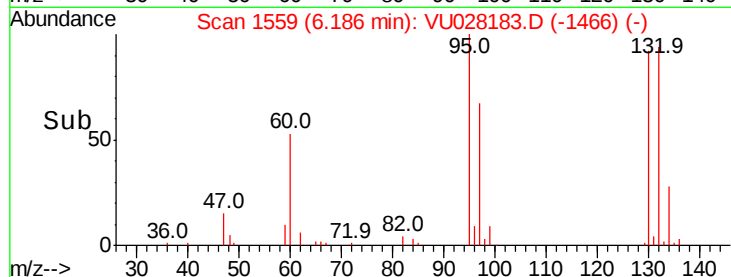


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.933 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

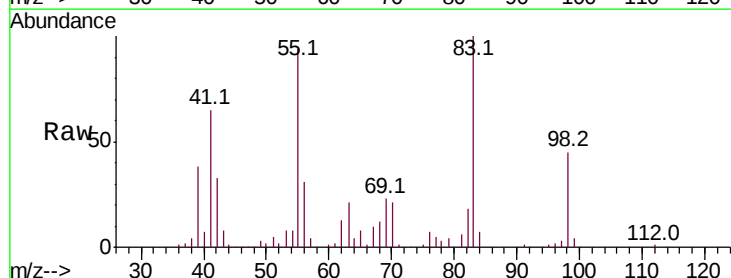
Tgt Ion: 83 Resp: 101964

Ion Ratio Lower Upper

83 100

55 93.0 69.0 103.4

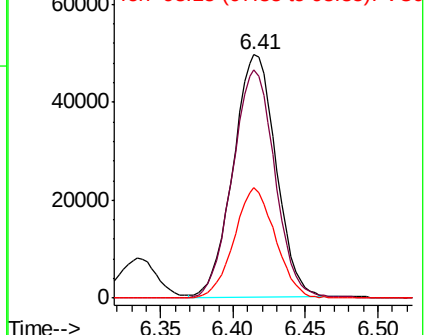
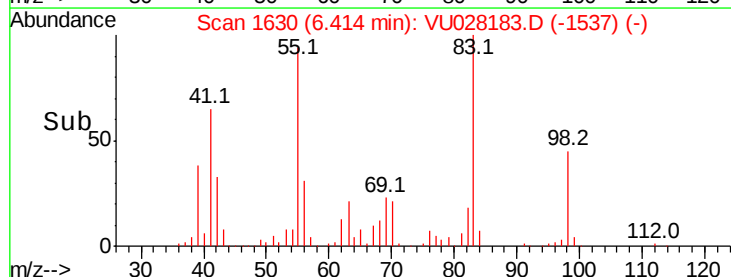
98 43.8 33.3 49.9

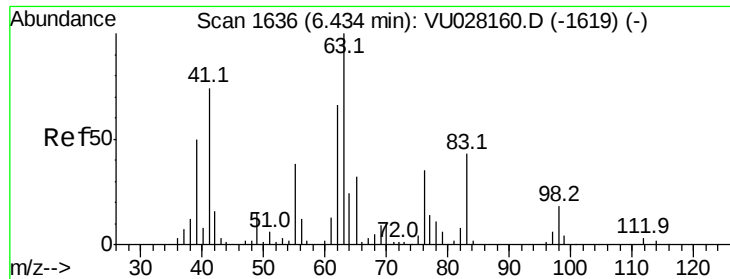


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

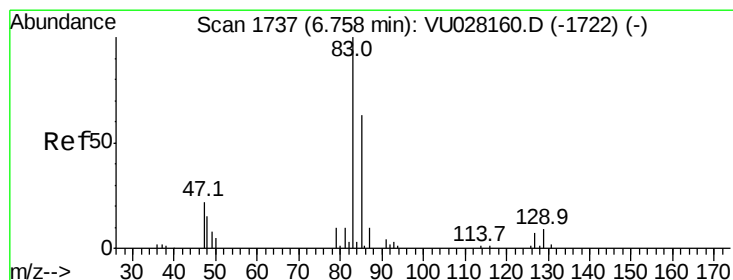
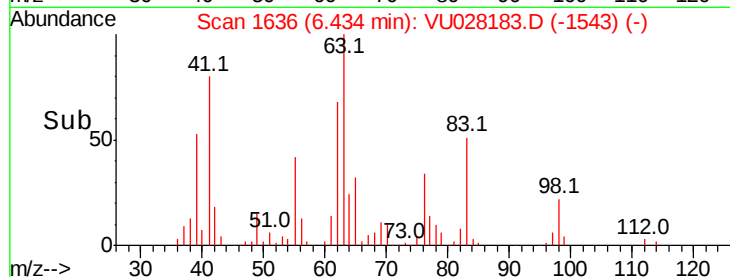
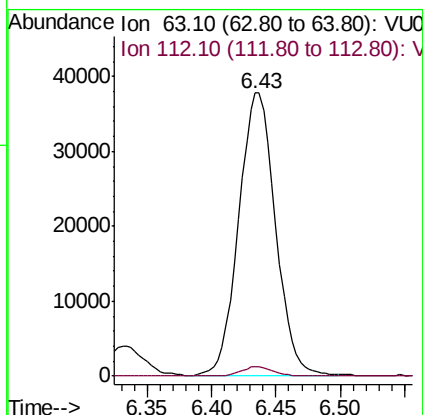
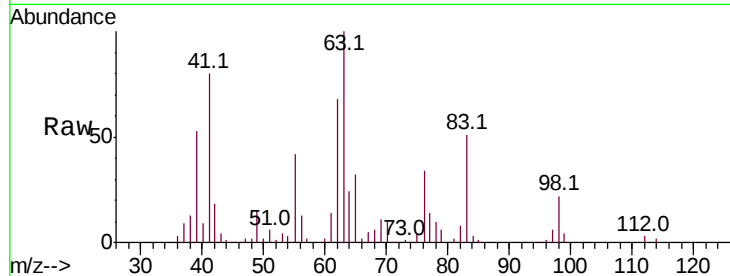




#37
 1,2-Dichloropropane
 Concen: 5.617 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

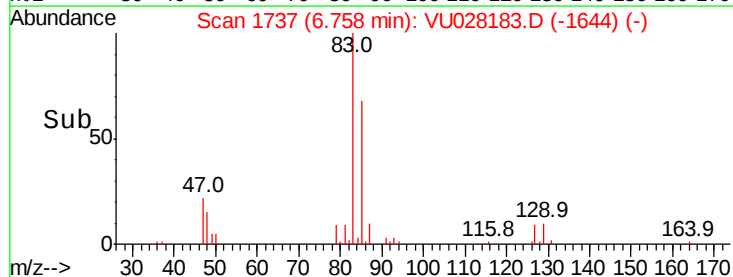
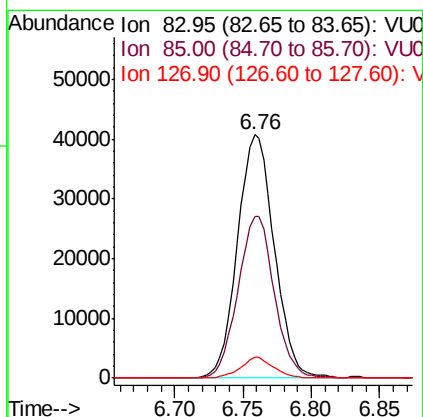
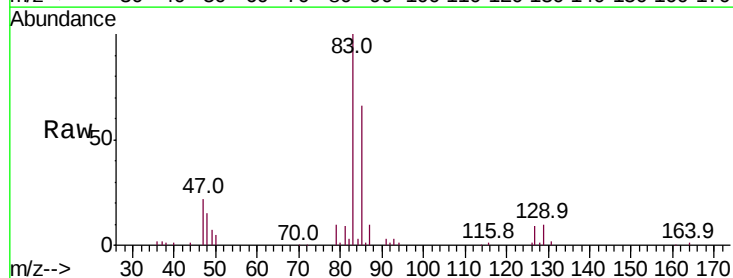
Instrument :
 MSVOA_U
 ClientSampled :

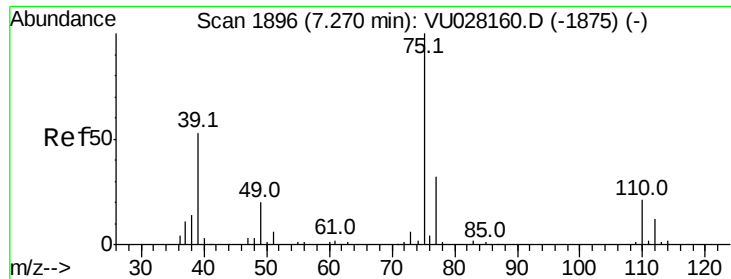
Tot Ion: 63 Resp: 75574
 Ion Ratio Lower Upper
 63 100
 112 2.9 2.2 3.4



#38
 Bromodichloromethane
 Concen: 5.341 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion: 83 Resp: 76462
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.5 82.7
 127 8.7 6.8 10.2

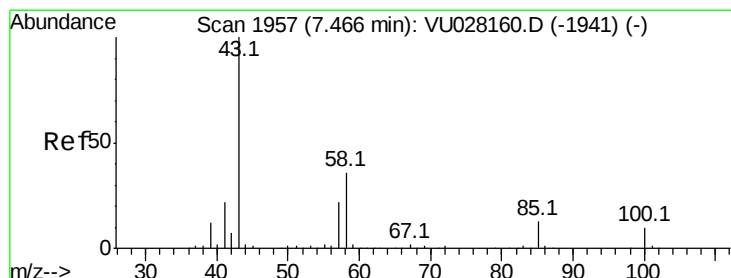
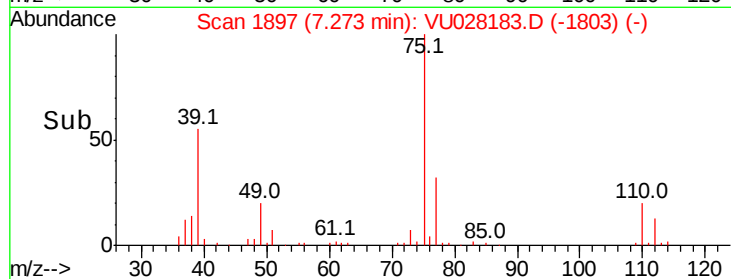
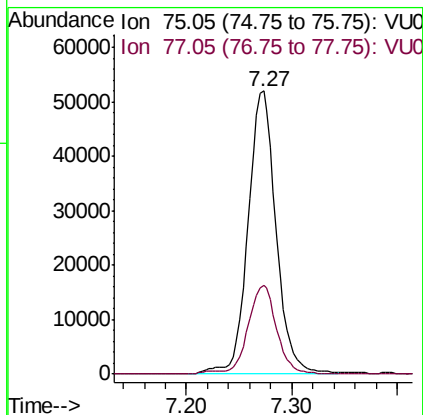
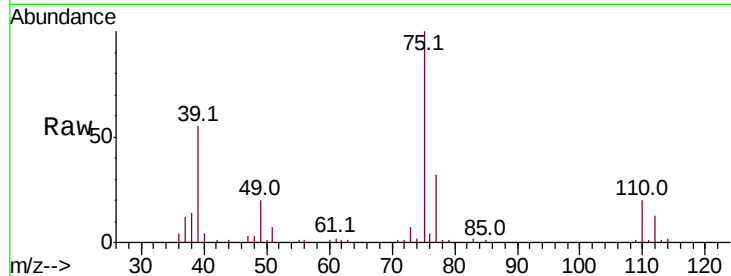




#39
 cis-1,3-Dichloropropene
 Concen: 5.310 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

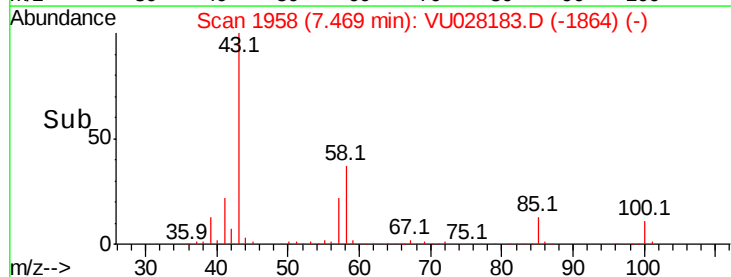
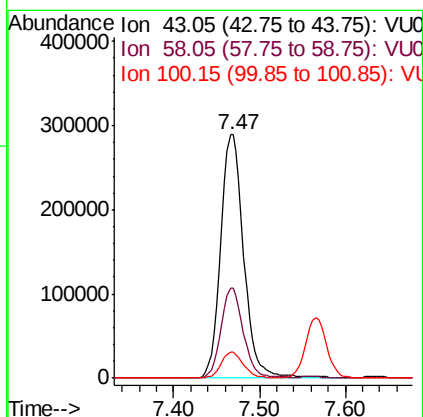
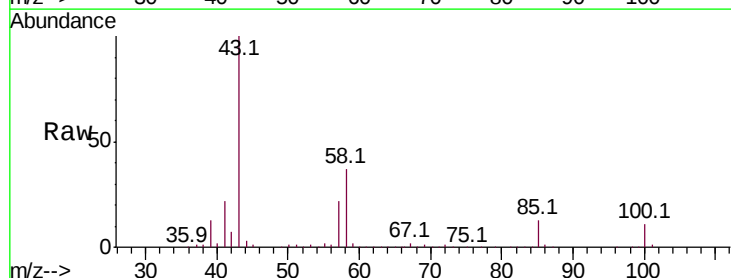
Instrument :
 MSVOA_U
 ClientSampled :

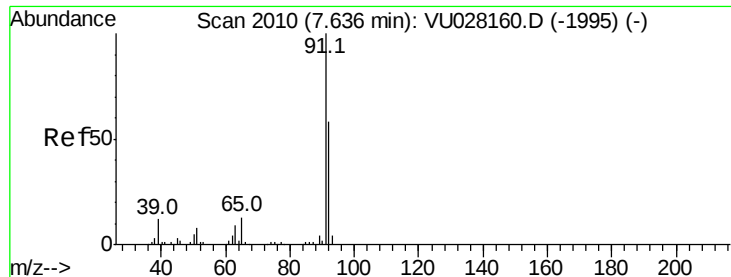
Tot Ion: 75 Resp: 96598
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.9 38.9



#40
 4-Methyl-2-pentanone
 Concen: 58.444 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion: 43 Resp: 541480
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.9 44.9
 100 10.4 9.1 13.7





#42

Toluene

Concen: 5.340 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

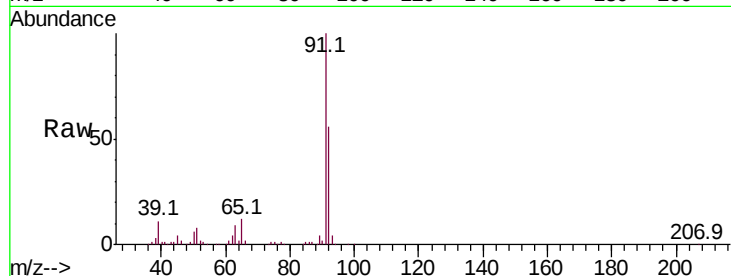
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 267891

Ion Ratio Lower Upper

91 100

92 56.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028160.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU028160.D (-1995) (-)

7.64

150000

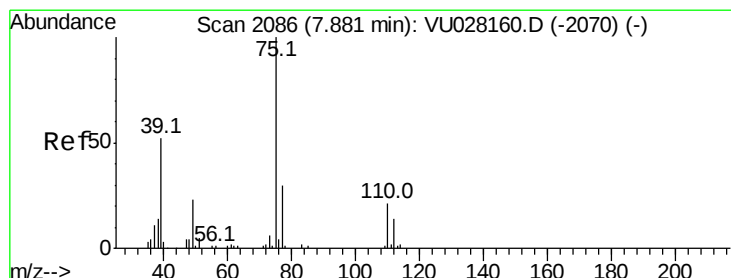
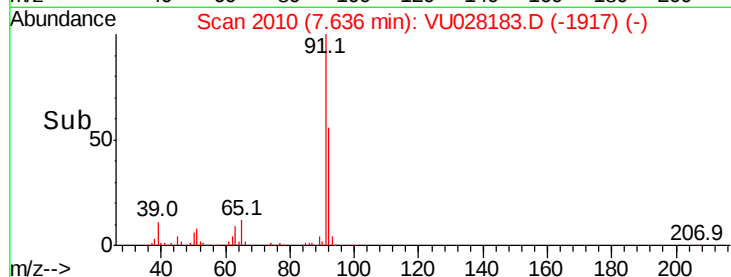
100000

50000

0

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU028183.D

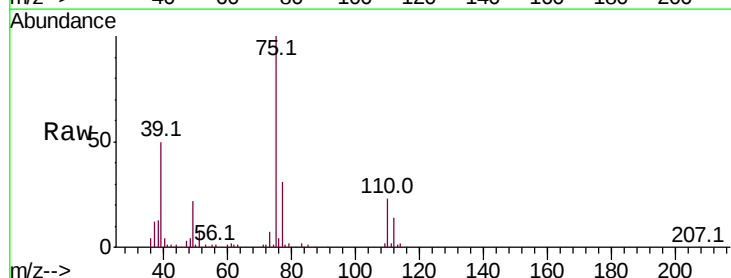
Acq: 16 Nov 2018 13:29

Tgt Ion: 75 Resp: 74167

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU028160.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU028160.D (-2070) (-)

7.88

50000

40000

30000

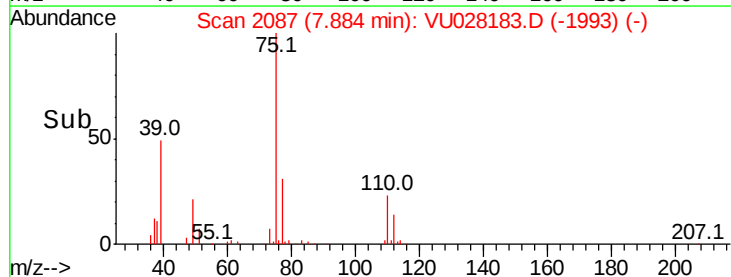
20000

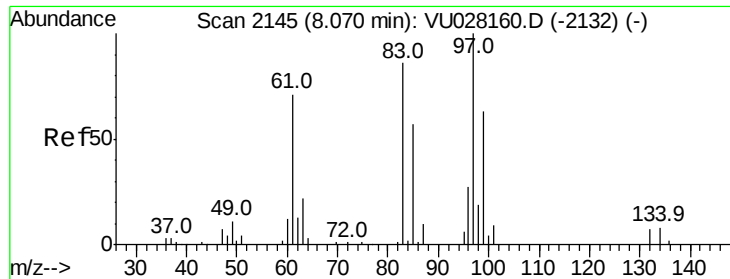
10000

0

7.80 7.85 7.90 7.95 8.00

Time-->

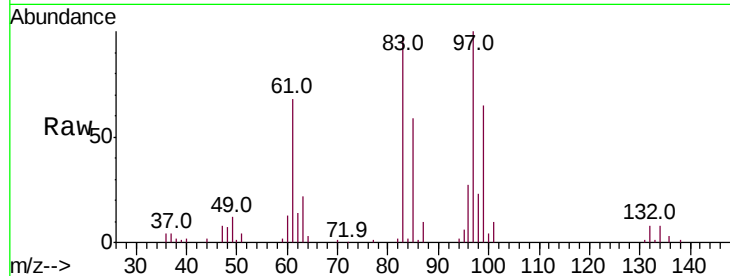




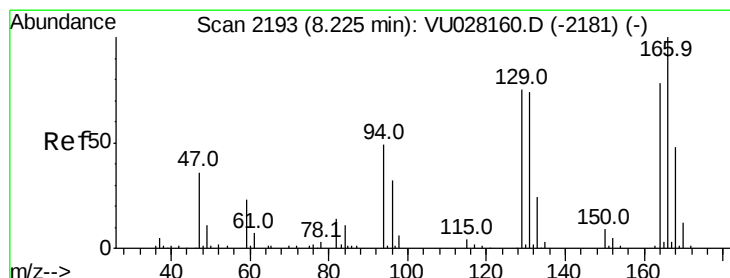
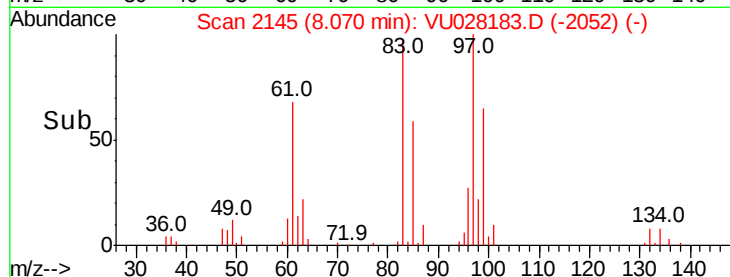
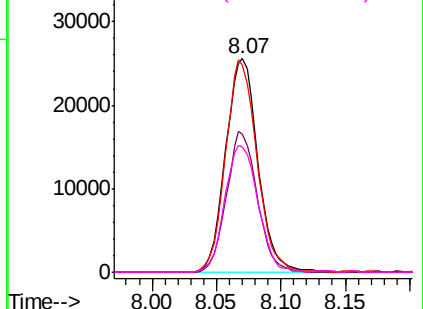
#45
1,1,2-Trichloroethane
Concen: 5.472 ug/L
RT: 8.07 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	44446
Ion	Ratio	Lower	Upper
97	100		
99	64.9	42.1	78.1
83	97.0	63.7	118.3
85	58.5	40.6	75.4

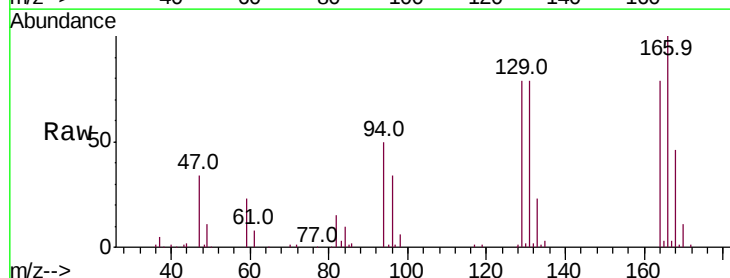


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

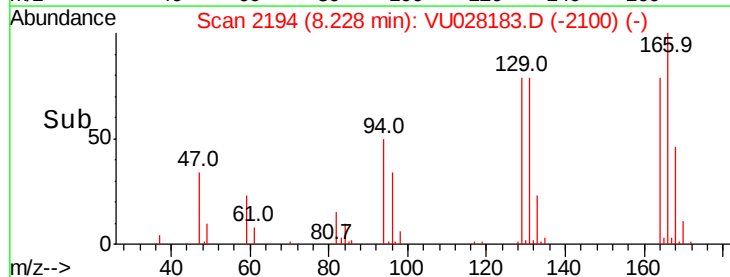
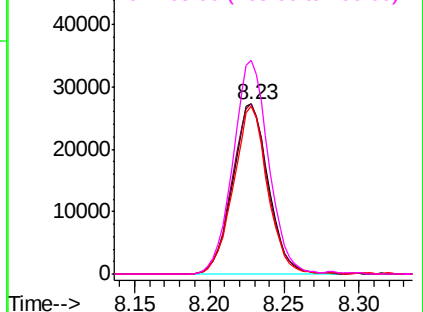


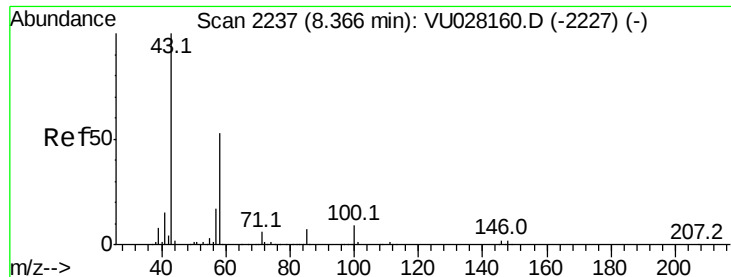
#47
Tetrachloroethene
Concen: 4.636 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion:	164	Resp:	45324
Ion	Ratio	Lower	Upper
164	100		
129	100.1	69.7	129.4
131	99.2	64.0	118.8
166	125.9	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

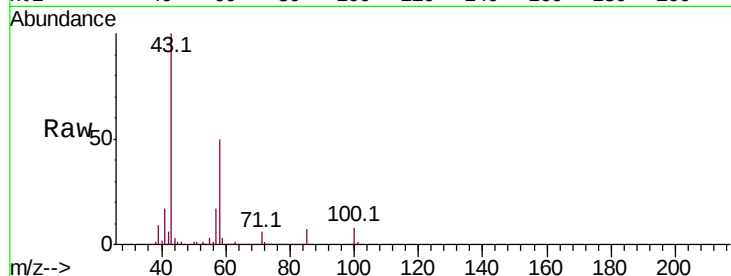




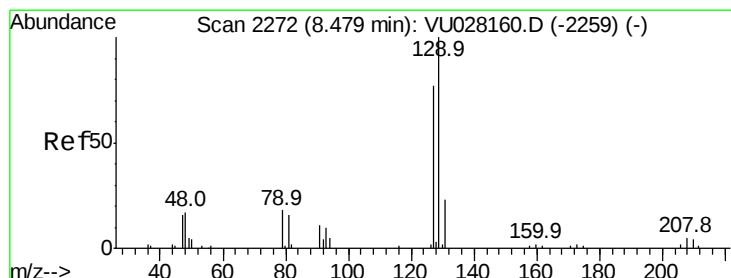
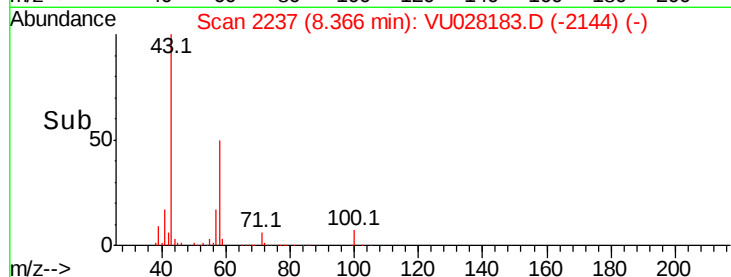
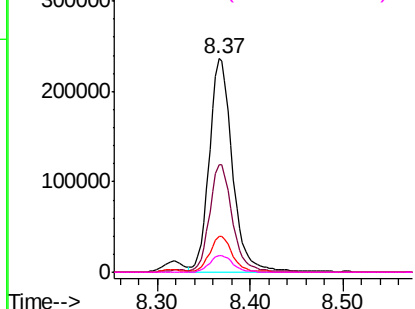
#48
2-Hexanone
Concen: 61.714 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 406840
Ion Ratio Lower Upper
43 100
58 49.8 41.7 62.5
57 16.6 14.0 21.0
100 8.0 7.2 10.8

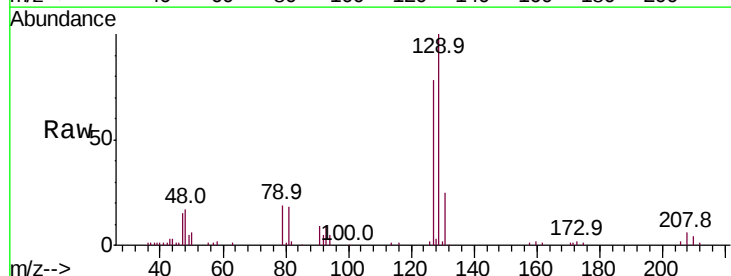


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

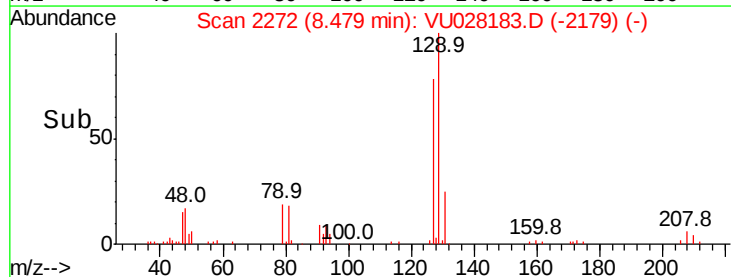
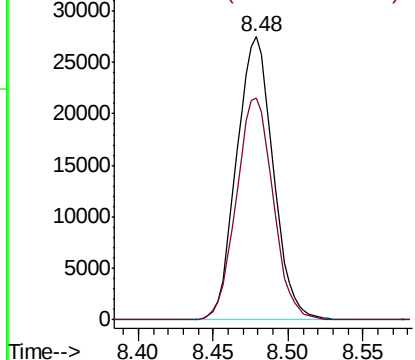


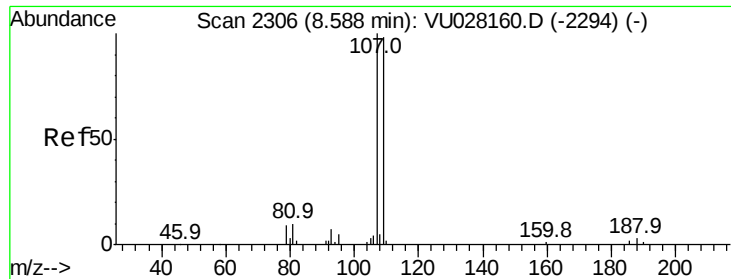
#49
Dibromochloromethane
Concen: 5.408 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion: 129 Resp: 46763
Ion Ratio Lower Upper
129 100
127 78.4 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

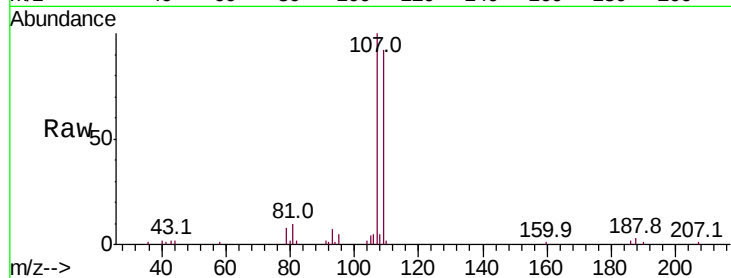




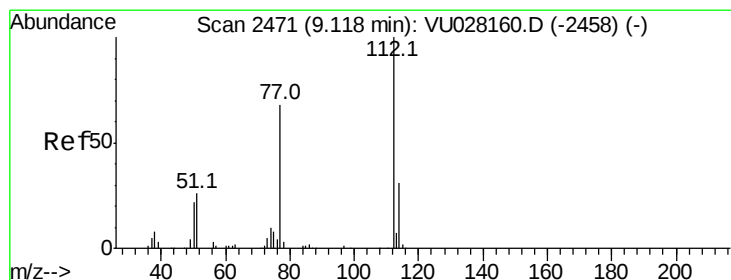
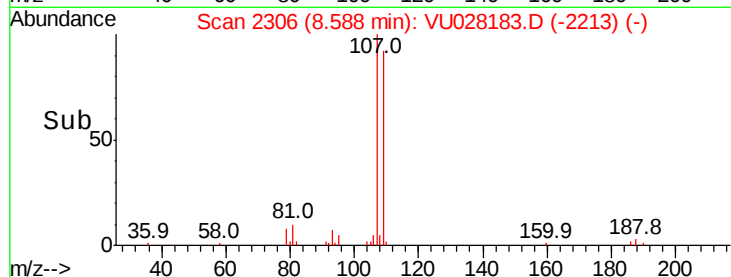
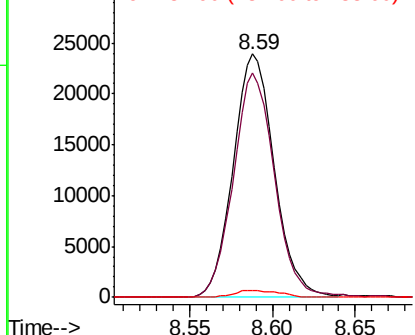
#50
1,2-Dibromoethane
Concen: 5.392 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 41236
Ion Ratio Lower Upper
107 100
109 91.9 66.6 123.8
188 2.9 2.5 3.7

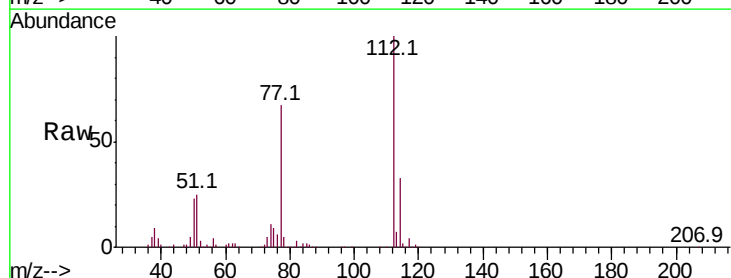


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

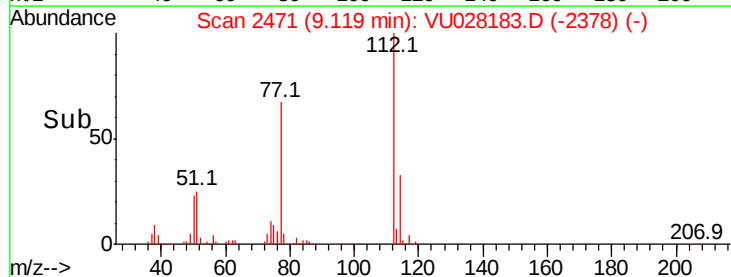
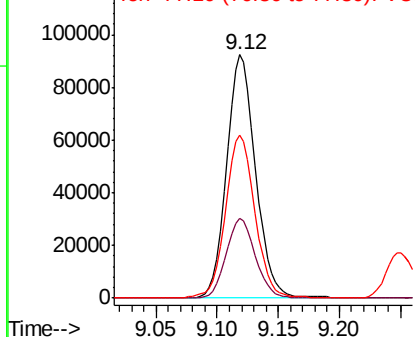


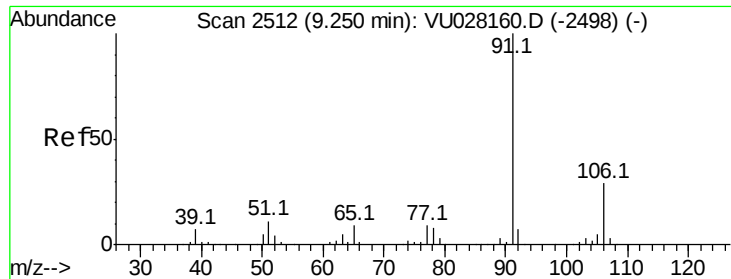
#51
Chlorobenzene
Concen: 5.234 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028183.D
Acq: 16 Nov 2018 13:29

Tgt Ion:112 Resp: 153536
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 66.9 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): V





#52

Ethylbenzene

Concen: 5.341 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

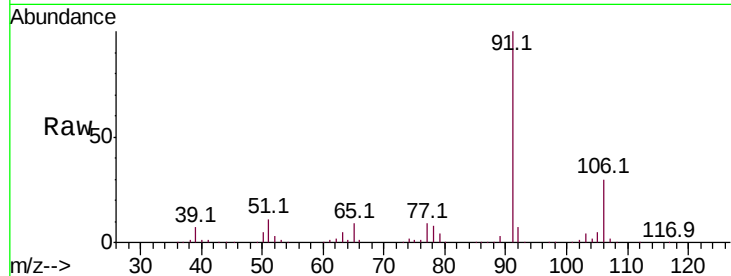
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 292444

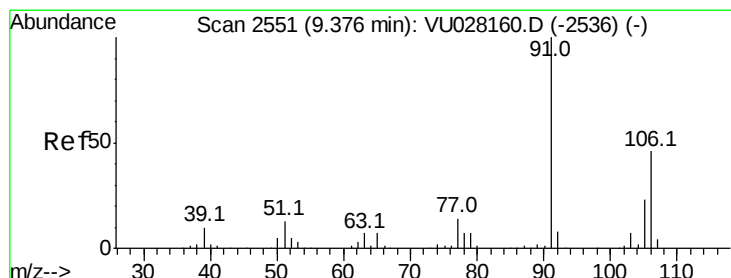
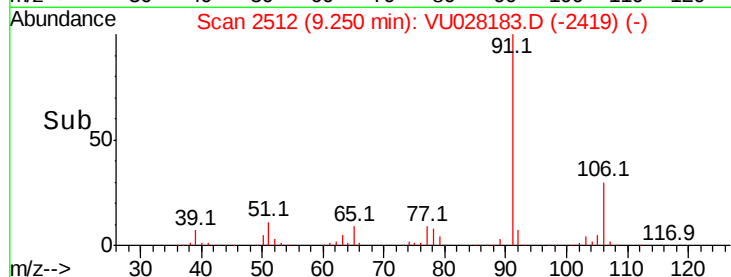
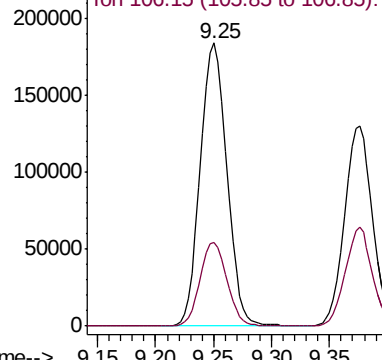
Ion Ratio Lower Upper

91 100

106 29.7 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU028160.D (-2498) (-)



#53

m,p-xylene

Concen: 5.296 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028183.D

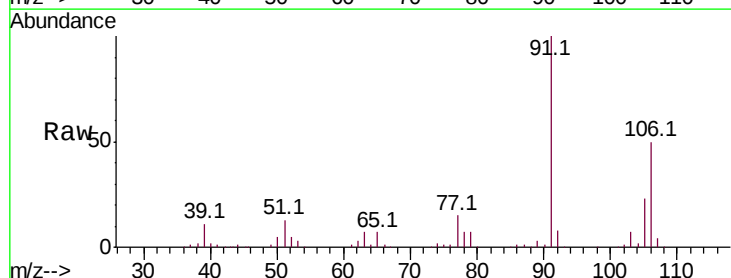
Acq: 16 Nov 2018 13:29

Tgt Ion: 106 Resp: 105645

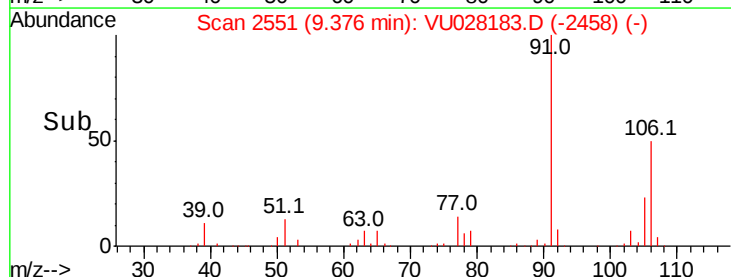
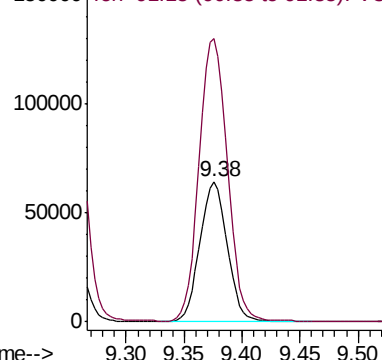
Ion Ratio Lower Upper

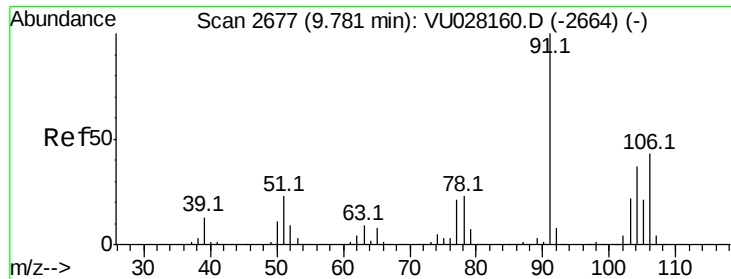
106 100

91 201.5 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): VU028160.D (-2536) (-)





#54

o-xylene

Concen: 5.283 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

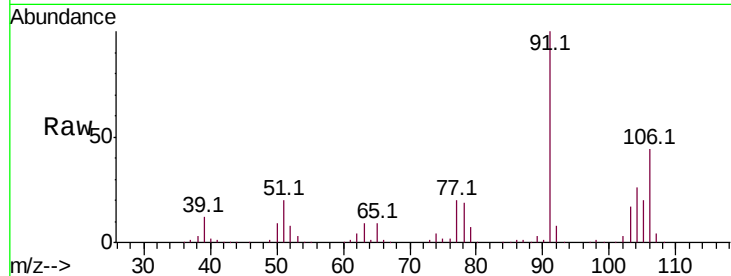
ClientSampled :

Tot Ion:106 Resp: 101468

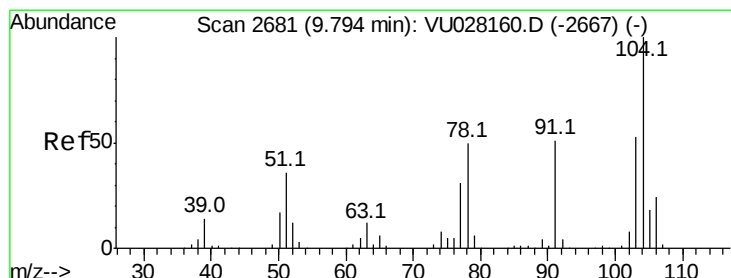
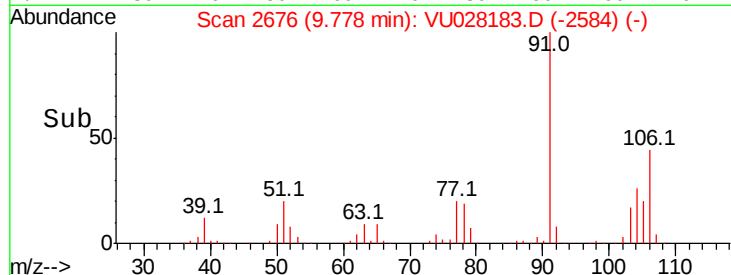
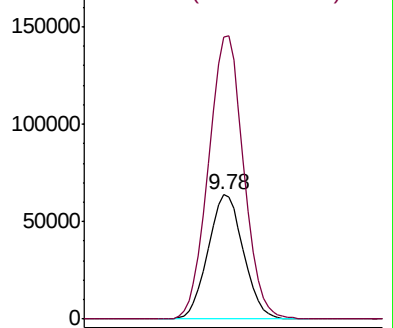
Ion Ratio Lower Upper

106 100

91 226.9 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.383 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU028183.D

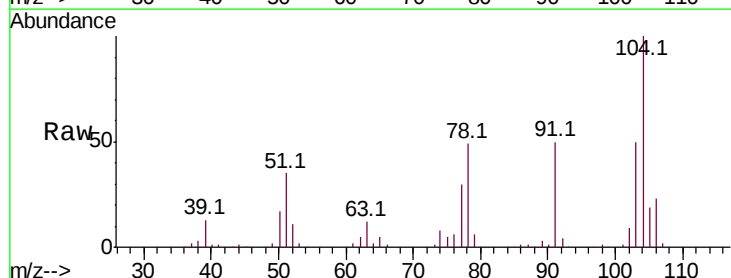
Acq: 16 Nov 2018 13:29

Tgt Ion:104 Resp: 174840

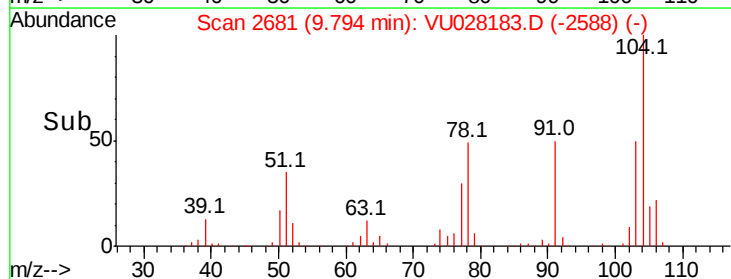
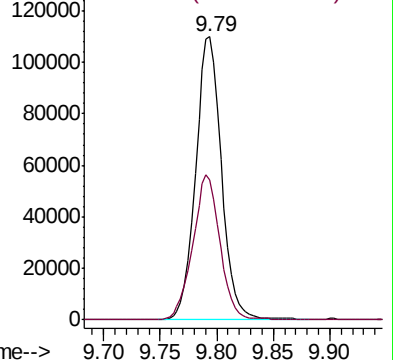
Ion Ratio Lower Upper

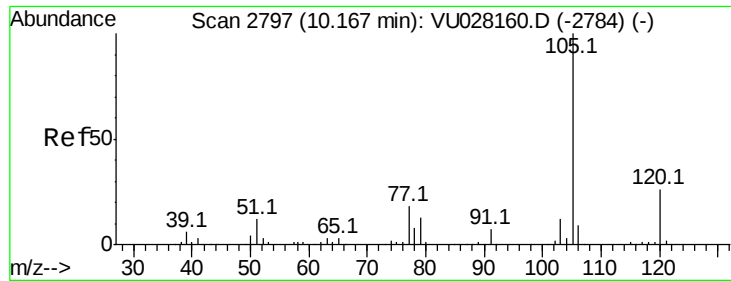
104 100

78 49.4 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.168 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

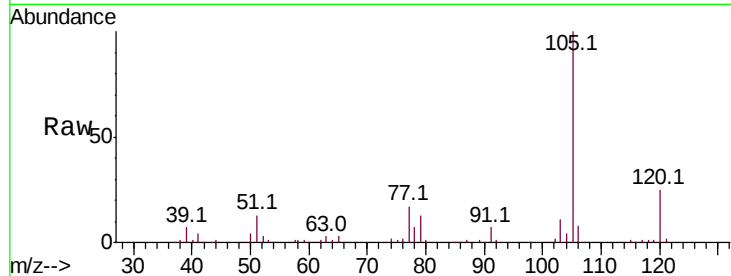
Tot Ion:105 Resp: 268456

Ion Ratio Lower Upper

105 100

120 24.9 20.5 30.7

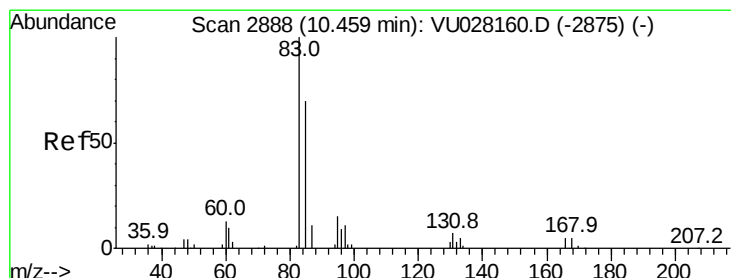
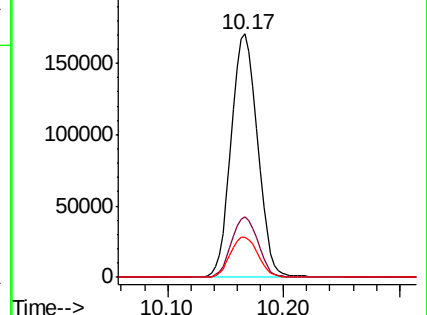
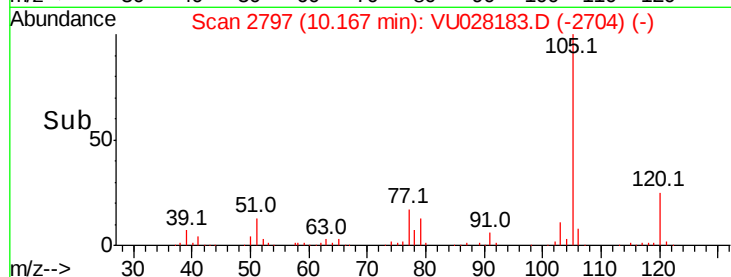
77 17.3 13.3 19.9



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: 5.799 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

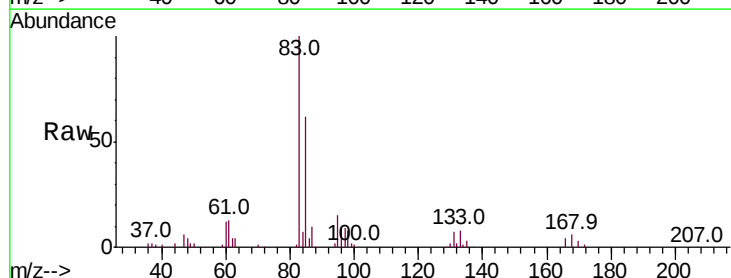
Tgt Ion: 83 Resp: 60715

Ion Ratio Lower Upper

83 100

85 62.5 46.7 86.7

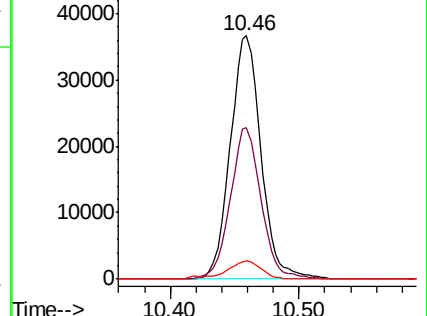
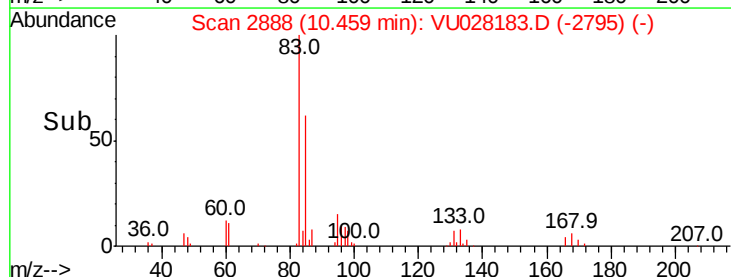
131 7.3 5.9 8.9

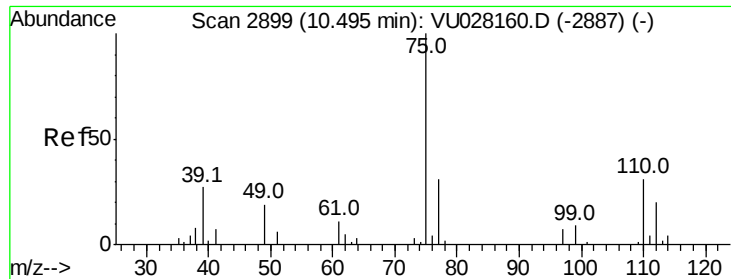


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.664 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

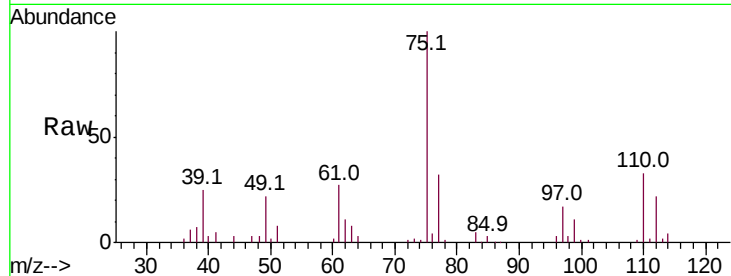
ClientSampled :

Tot Ion: 75 Resp: 42800

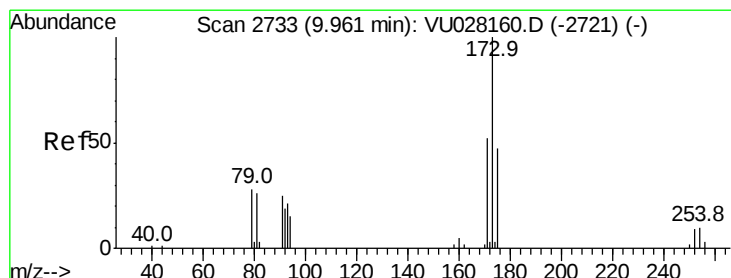
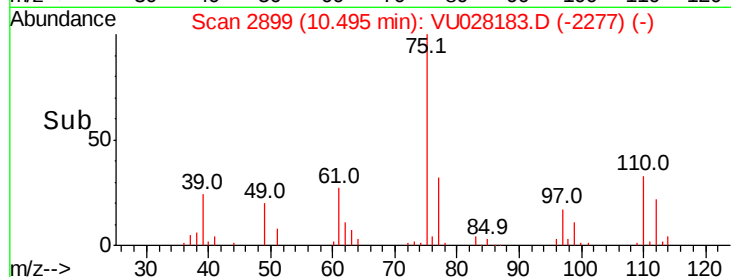
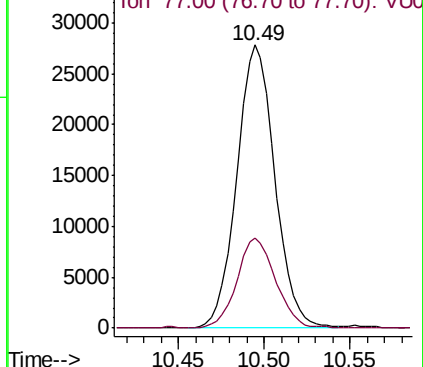
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU028160.D (-2887) (-)



#61

Bromoform

Concen: 4.974 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

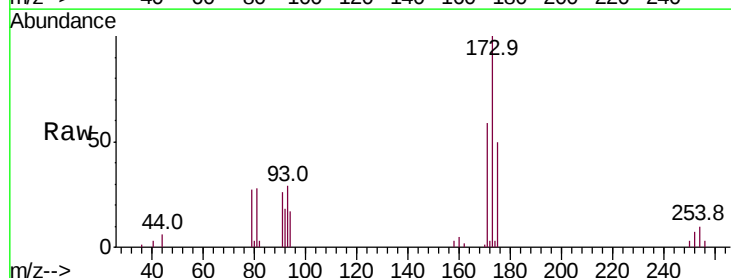
Tgt Ion:173 Resp: 23749

Ion Ratio Lower Upper

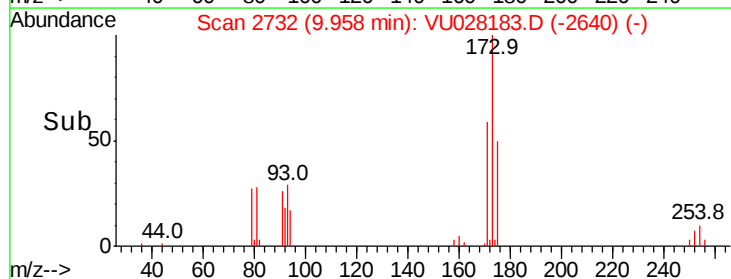
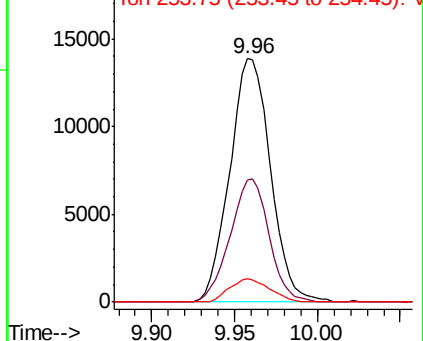
173 100

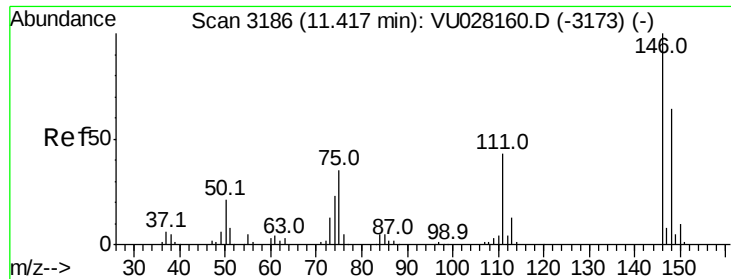
175 48.3 38.2 57.2

254 9.4 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU028160.D (-2721) (-)

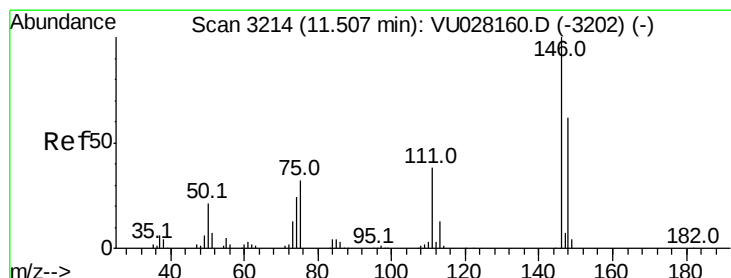
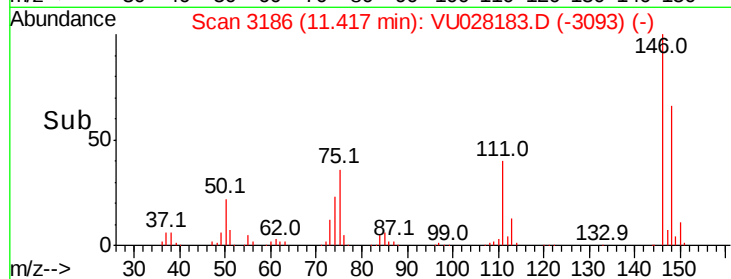
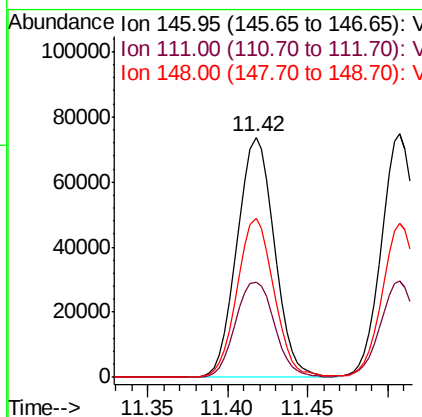
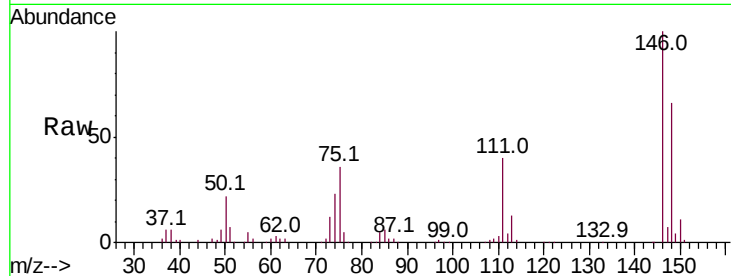




#62
 1,3-Dichlorobenzene
 Concen: 5.257 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

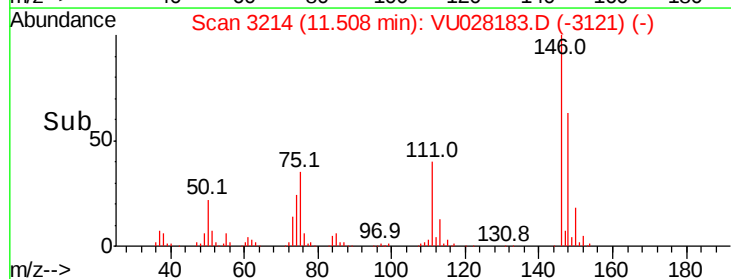
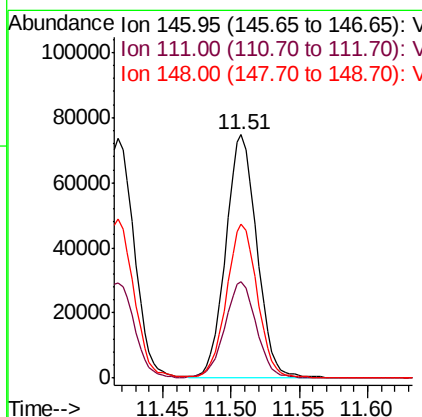
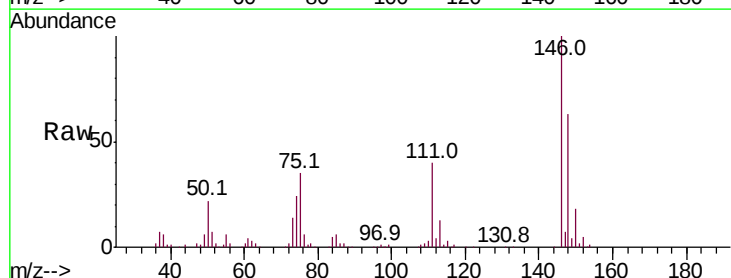
Instrument :
 MSVOA_U
 ClientSampled :

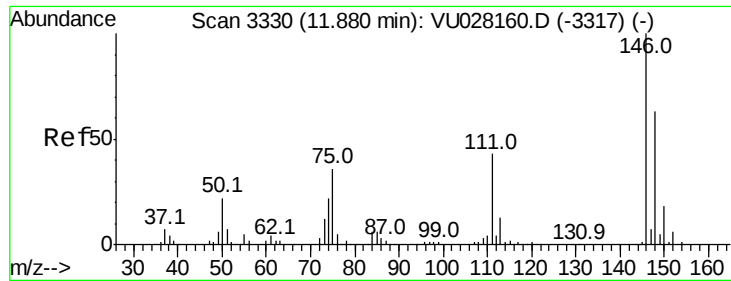
Tot Ion:146 Resp: 117369
 Ion Ratio Lower Upper
 146 100
 111 39.8 29.3 54.3
 148 66.0 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 5.231 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion:146 Resp: 118228
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.4 51.0
 148 63.5 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 5.298 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

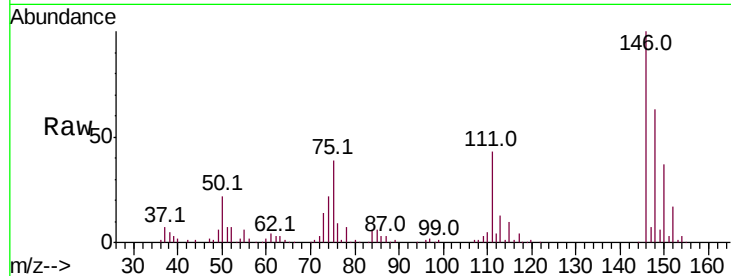
Tot Ion:146 Resp: 113119

Ion Ratio Lower Upper

146 100

111 43.5 33.9 50.9

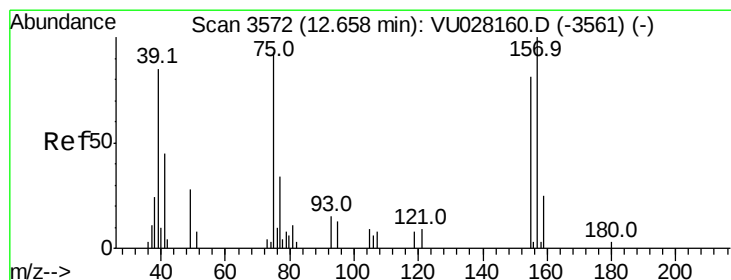
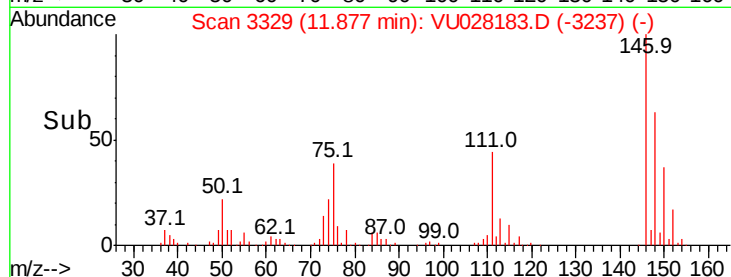
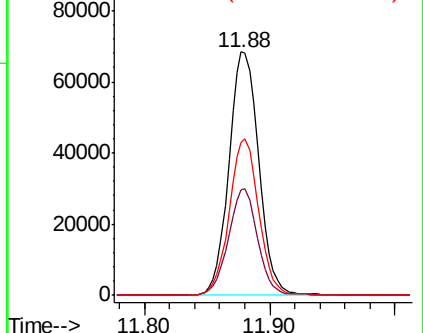
148 62.8 50.9 76.3



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: 5.607 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

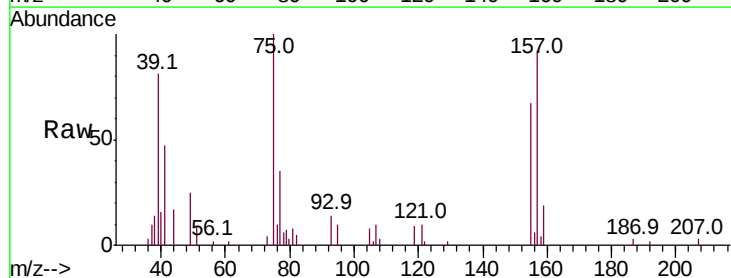
Tgt Ion: 75 Resp: 8686

Ion Ratio Lower Upper

75 100

155 66.8 62.8 94.2

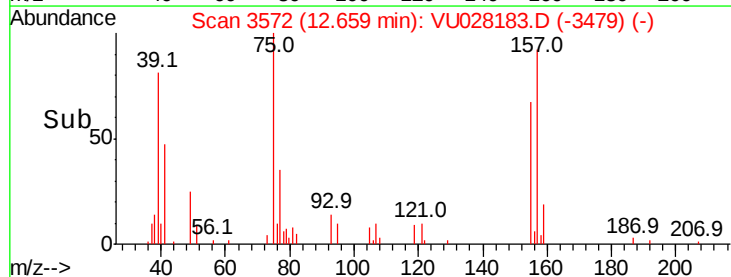
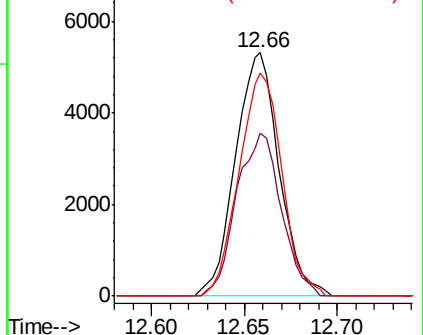
157 91.9 85.3 127.9

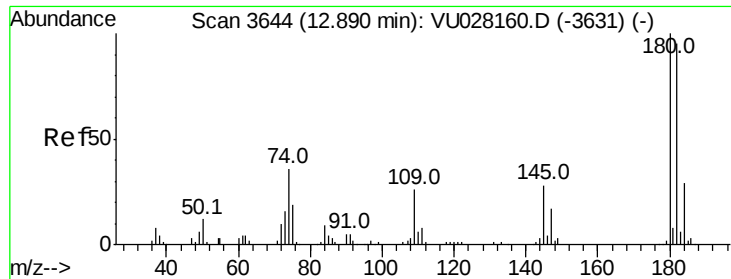


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

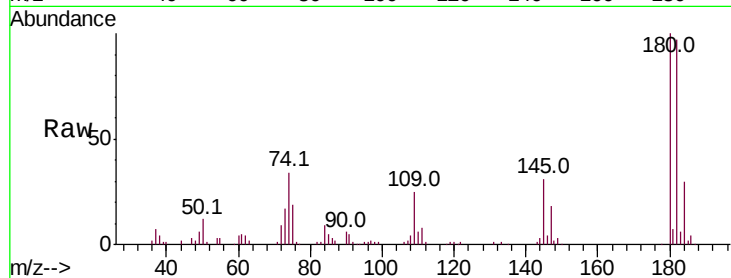




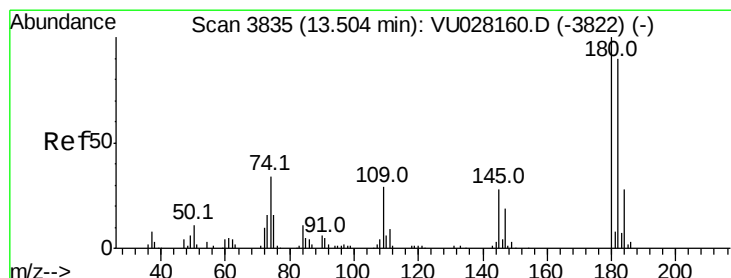
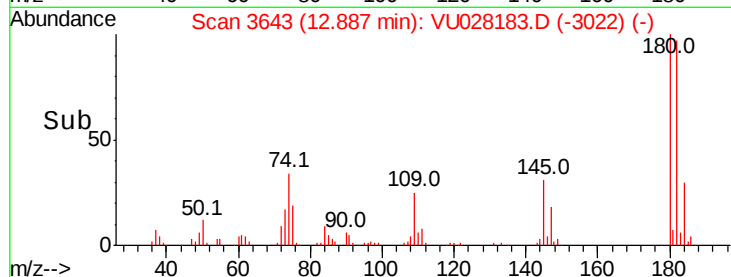
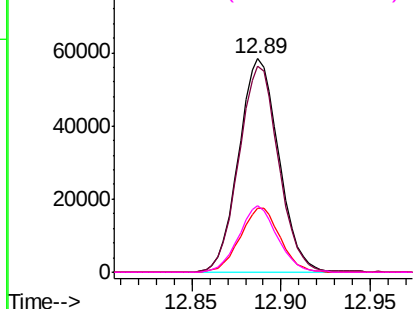
#67
 1,3,5-Trichlorobenzene
 Concen: 5.351 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 91651
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 184 30.1 24.7 37.1
 145 30.1 24.0 36.0

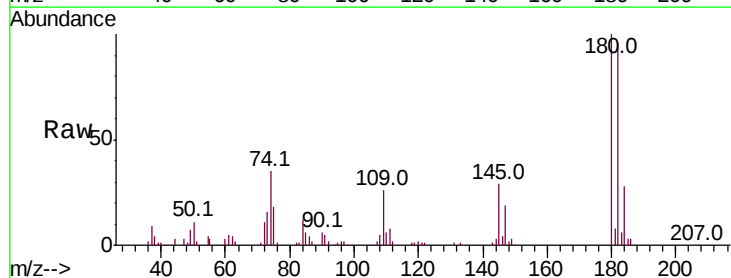


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

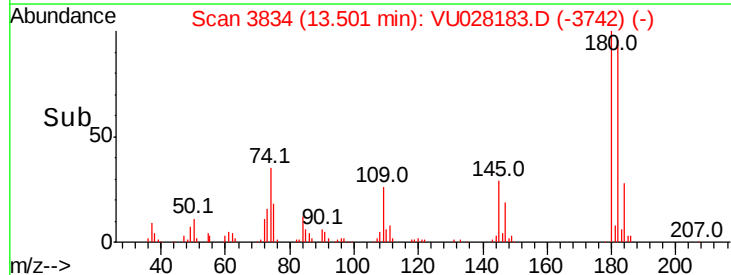
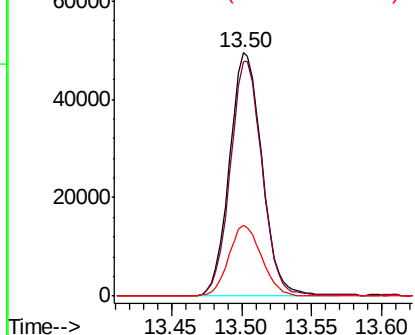


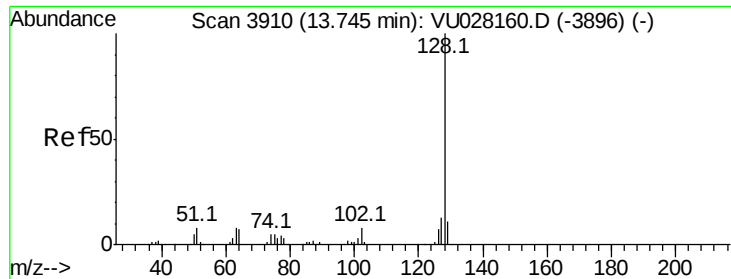
#68
 1,2,4-trichlorobenzene
 Concen: 5.364 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028183.D
 Acq: 16 Nov 2018 13:29

Tgt Ion:180 Resp: 80078
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.1 112.7
 145 29.5 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: 5.277 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

Instrument :

MSVOA_U

ClientSampleId :

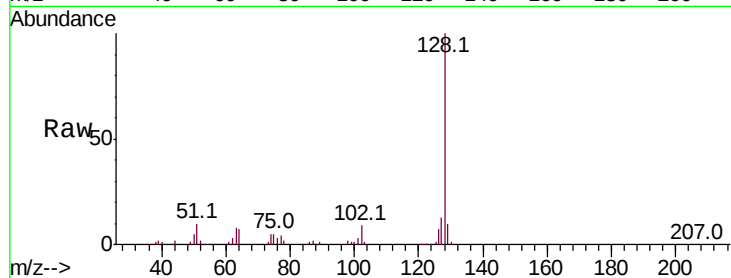
Tot Ion:128 Resp: 146797

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

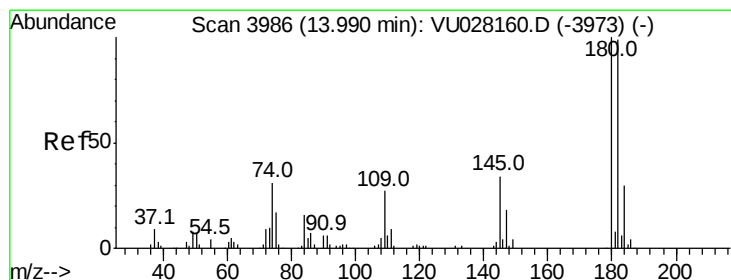
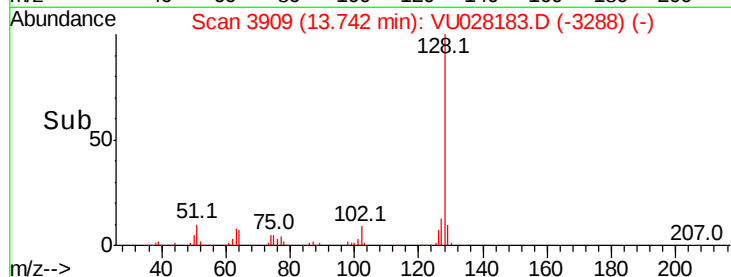
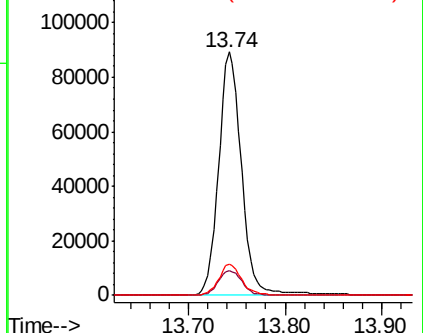
127 13.0 10.2 15.4



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: 5.376 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028183.D

Acq: 16 Nov 2018 13:29

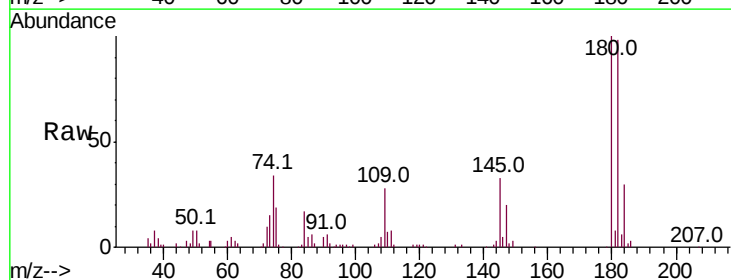
Tgt Ion:180 Resp: 73926

Ion Ratio Lower Upper

180 100

182 95.7 77.6 116.4

145 31.2 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

