

Data File : VU028218.D
Acq On : 17 Nov 2018 11:45
Operator : MD/SY
Sample : VSTD0.514
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

Quant Time: Nov 19 01:16:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 01:13:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	167396	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	68277	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	6517	0.52	ug/L	0.00
7) Chloroethane-d5	1.68	69	6082	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	13022	0.52	ug/L	0.00
20) 2-Butanone-d5	4.22	46	20209	4.79	ug/L	0.01
24) Chloroform-d	4.65	84	12030	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	6866	0.53	ug/L	0.00
32) Benzene-d6	5.34	84	24431	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	8743	0.53	ug/L	0.00
41) Toluene-d8	7.57	98	21364	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2492	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	15411	4.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6356	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	7081	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	7385	0.525 ug/L	95
3) Chloromethane	1.33	50	9757	0.545 ug/L	95
5) Vinyl chloride	1.40	62	9012	0.530 ug/L	94
6) Bromomethane	1.63	94	3982	0.519 ug/L	86
8) Chloroethane	1.70	64	5349	0.533 ug/L	93
9) Trichlorofluoromethane	1.89	101	10307	0.521 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6022	0.553 ug/L	89
12) 1,1-Dichloroethene	2.29	96	5371	0.521 ug/L	90
13) Acetone	2.36	43	16850	5.812 ug/L	87
14) Carbon disulfide	2.48	76	16244	0.502 ug/L	97
15) Methyl Acetate	2.63	43	4680	0.609 ug/L #	86
16) Methylene chloride	2.70	84	7601	0.585 ug/L	92
17) Methyl tert-butyl Ether	3.01	73	16594	0.536 ug/L	96
18) trans-1,2-Dichloroethene	2.99	96	5524	0.503 ug/L	92
19) 1,1-Dichloroethane	3.45	63	12843	0.505 ug/L	99
21) 2-Butanone	4.31	43	24567	5.322 ug/L	80
22) cis-1,2-Dichloroethene	4.22	96	6813	0.525 ug/L	98
23) Bromochloromethane	4.55	128	2703	0.532 ug/L	94
25) Chloroform	4.68	83	18289	0.664 ug/L	95
27) 1,2-Dichloroethane	5.41	62	8223	0.522 ug/L #	95
29) 1,1,1-Trichloroethane	4.91	97	8622	0.488 ug/L	97
30) Cyclohexane	4.99	56	11792	0.510 ug/L	99
31) Carbon tetrachloride	5.13	117	6828	0.471 ug/L	94
33) Benzene	5.39	78	26471	0.512 ug/L	100
34) Trichloroethene	6.19	95	6806	0.537 ug/L	93
35) Methylcyclohexane	6.42	83	10402	0.521 ug/L	97
37) 1,2-Dichloropropane	6.43	63	7258	0.492 ug/L #	96
38) Bromodichloromethane	6.76	83	8749	0.543 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	9327	0.498 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	53298	5.049 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	26531	0.506	ug/L	94
44) trans-1,3-Dichloropropene	7.89	75	6858	0.487	ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	4664	0.523	ug/L	97
47) Tetrachloroethene	8.23	164	4582	0.521	ug/L	87
48) 2-Hexanone	8.37	43	37033	4.920	ug/L	97
49) Dibromochloromethane	8.48	129	4410	0.488	ug/L	94
50) 1,2-Dibromoethane	8.59	107	4040	0.501	ug/L #	92
51) Chlorobenzene	9.12	112	15189	0.503	ug/L	95
52) Ethylbenzene	9.25	91	27789	0.492	ug/L	95
53) m,p-xylene	9.38	106	8793	0.449	ug/L	85
54) o-xylene	9.78	106	9473	0.484	ug/L	97
55) Styrene	9.80	104	14356	0.437	ug/L	99
56) Isopropylbenzene	10.17	105	24936	0.476	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	5499	0.479	ug/L #	84
59) 1,2,3-Trichloropropane	10.49	75	4767	0.559	ug/L	96
61) Bromoform	9.96	173	2101	0.485	ug/L #	84
62) 1,3-Dichlorobenzene	11.42	146	10802	0.520	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	11450	0.540	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	11390	0.559	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.67	75	856	0.539	ug/L	90
67) 1,3,5-Trichlorobenzene	12.89	180	8240	0.518	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	6834	0.515	ug/L	96
69) Naphthalene	13.75	128	11639	0.493	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	6395	0.508	ug/L	99

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

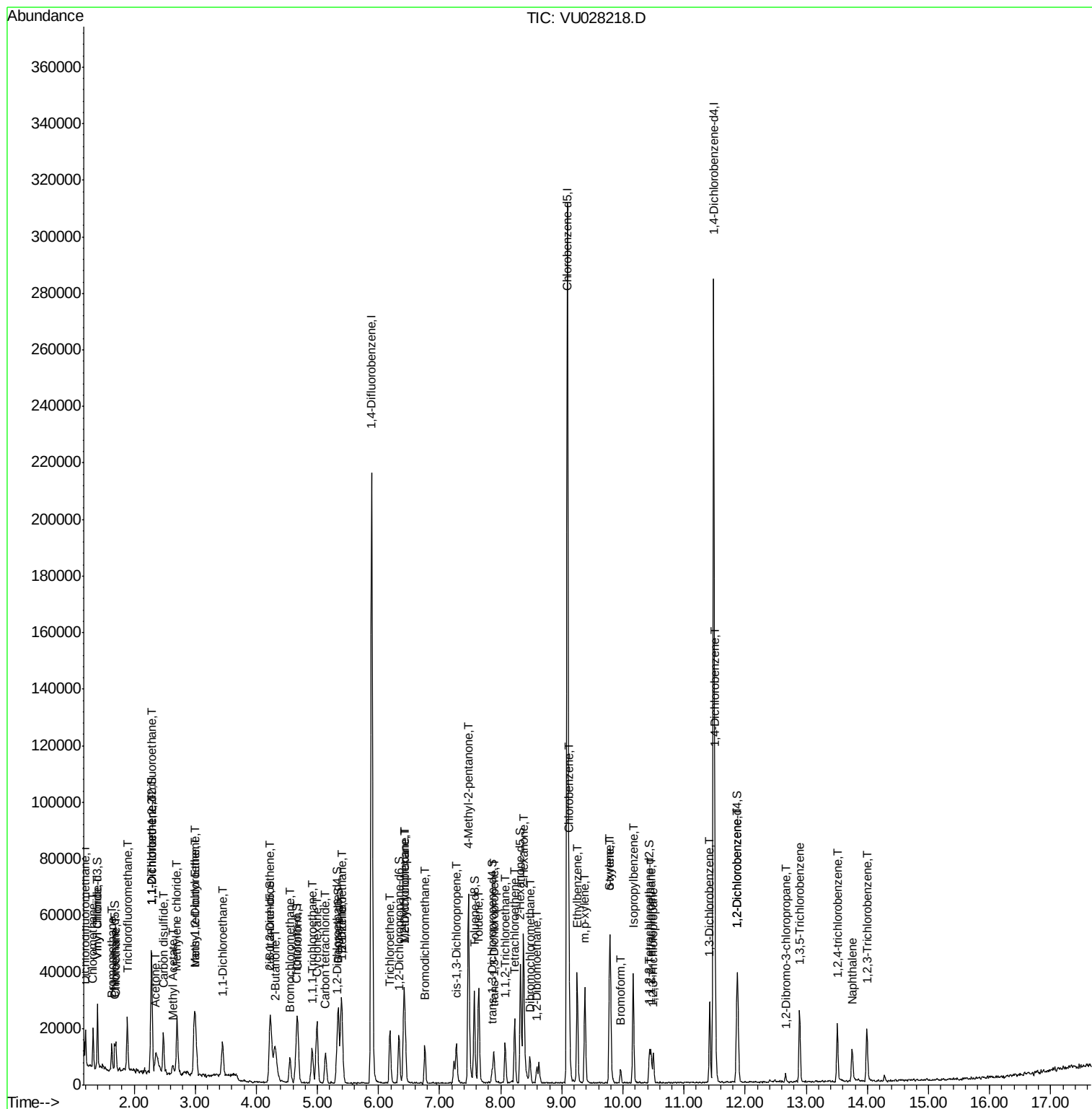
Quant Time: Nov 19 01:16:25 2018

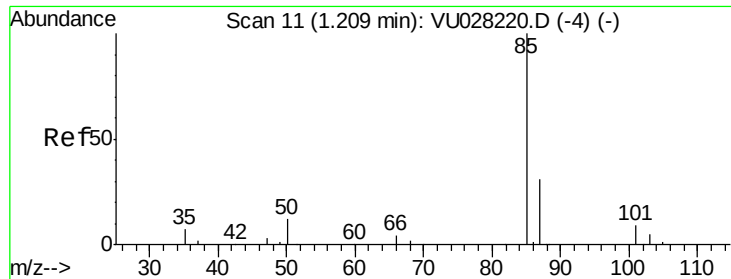
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.525 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

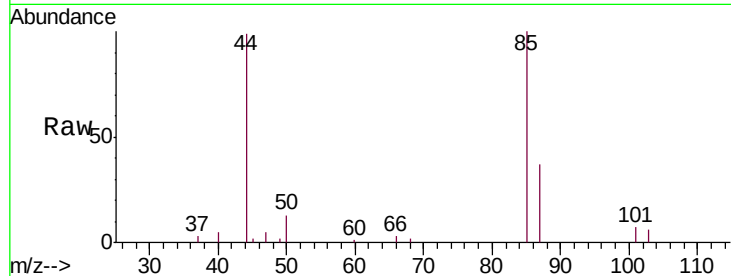
VSTD0.514

Tgt Ion: 85 Resp: 7385

Ion Ratio Lower Upper

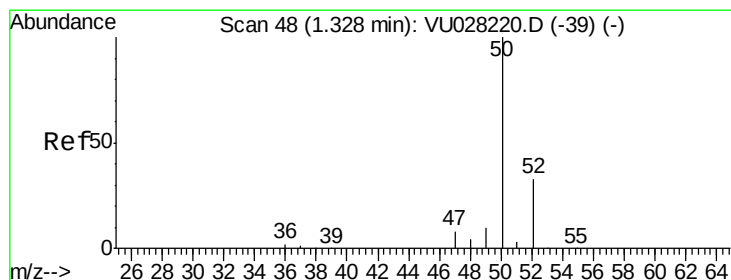
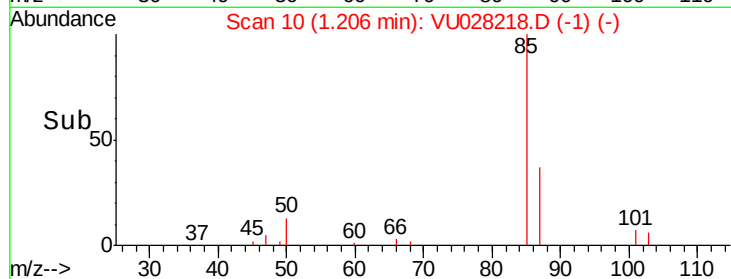
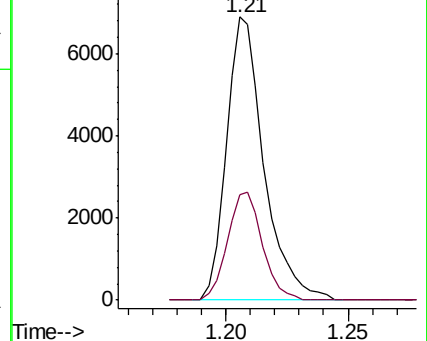
85 100

87 35.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.545 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028218.D

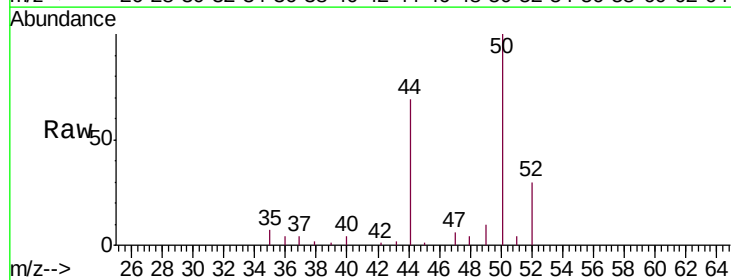
Acq: 17 Nov 2018 11:45

Tgt Ion: 50 Resp: 9757

Ion Ratio Lower Upper

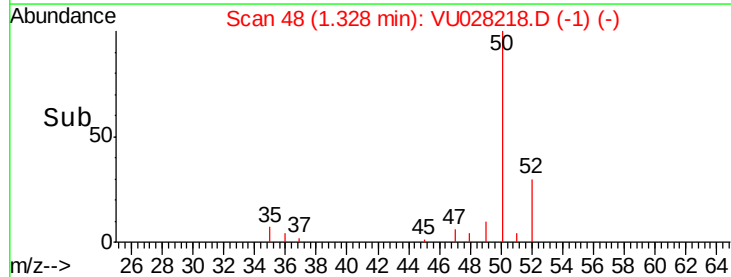
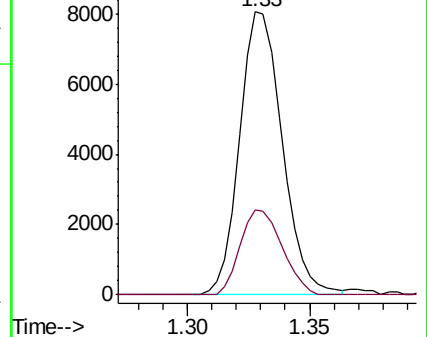
50 100

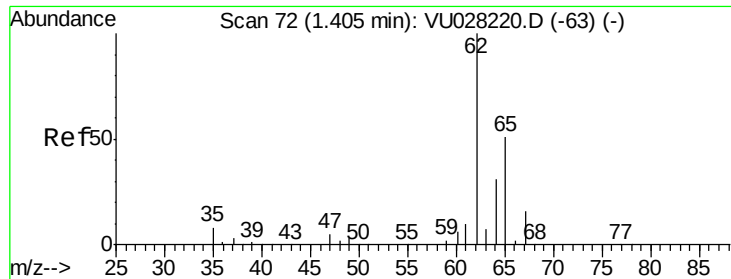
52 29.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.530 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

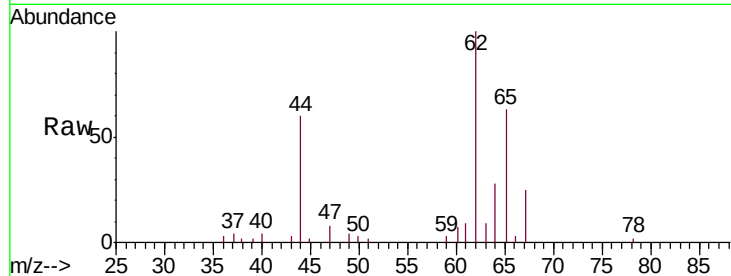
VSTD0.514

Tgt Ion: 62 Resp: 9012

Ion Ratio Lower Upper

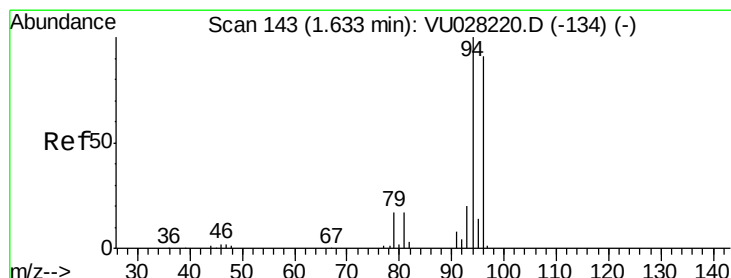
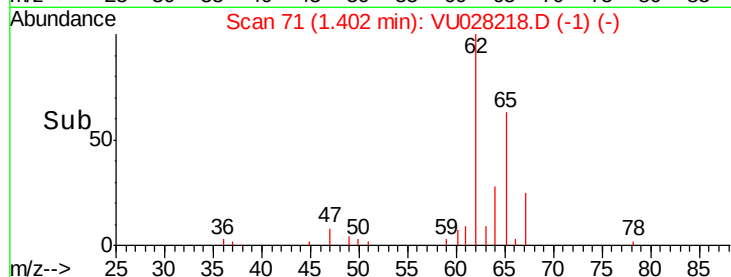
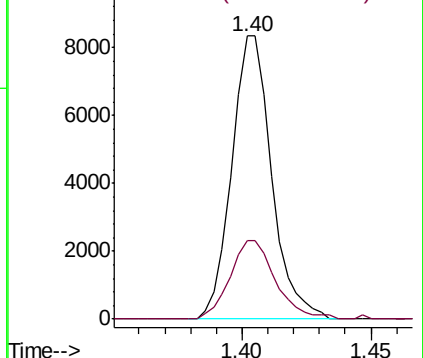
62 100

64 27.9 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.519 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028218.D

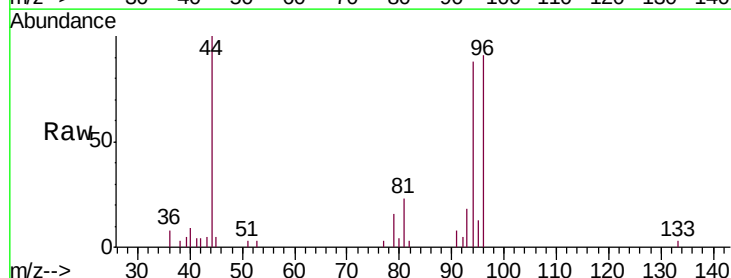
Acq: 17 Nov 2018 11:45

Tgt Ion: 94 Resp: 3982

Ion Ratio Lower Upper

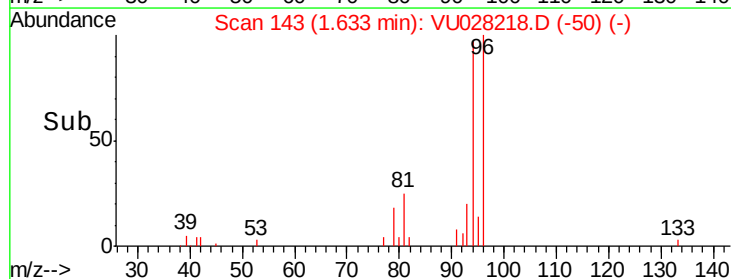
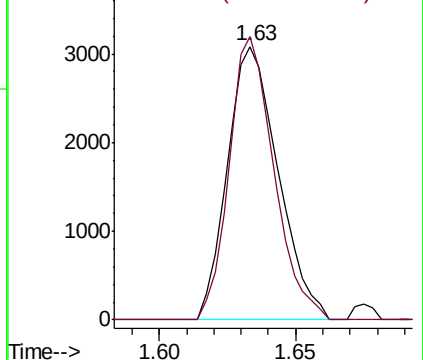
94 100

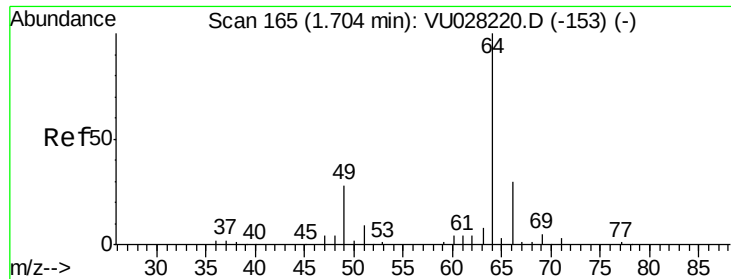
96 103.6 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

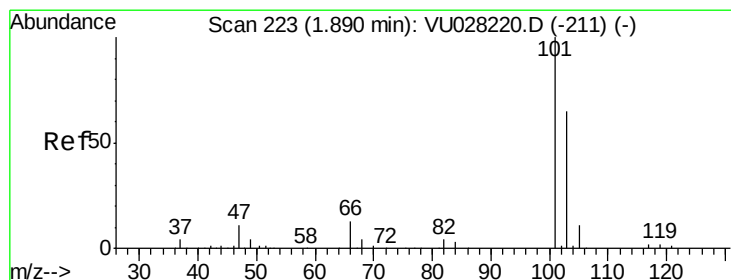
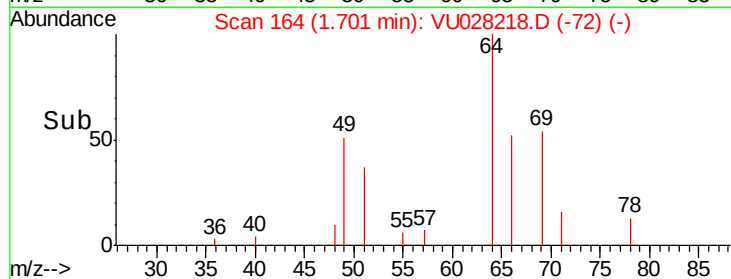
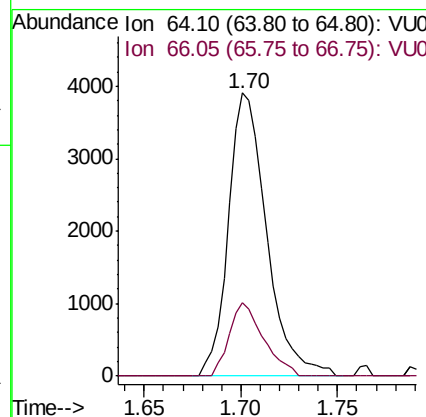
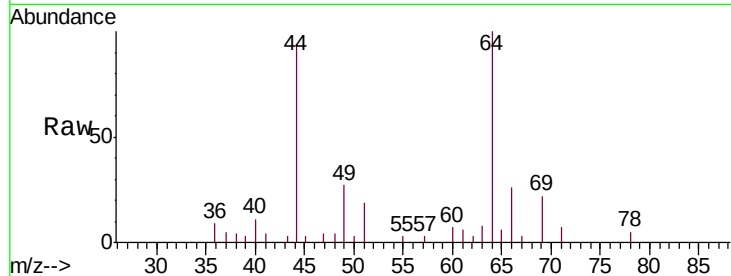




#8
Chloroethane
Concen: 0.533 ug/L
RT: 1.70 min Scan# 164
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

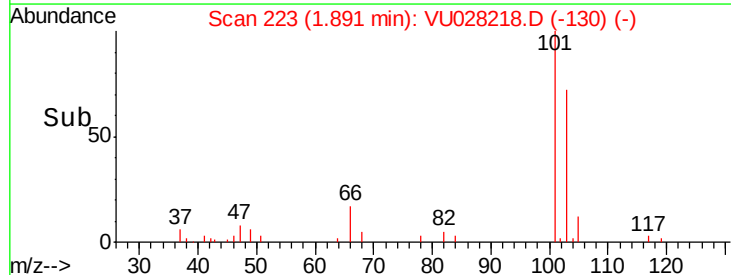
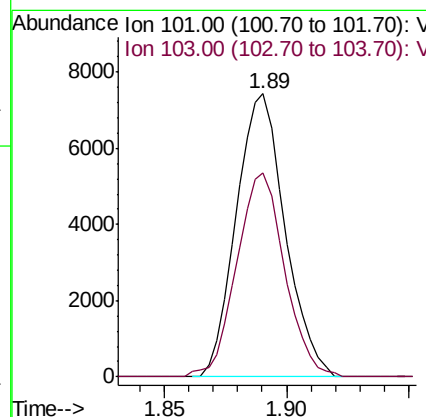
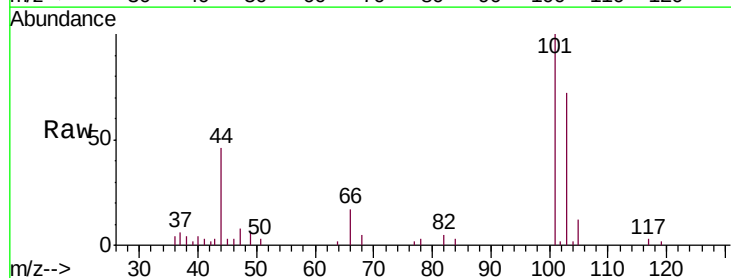
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

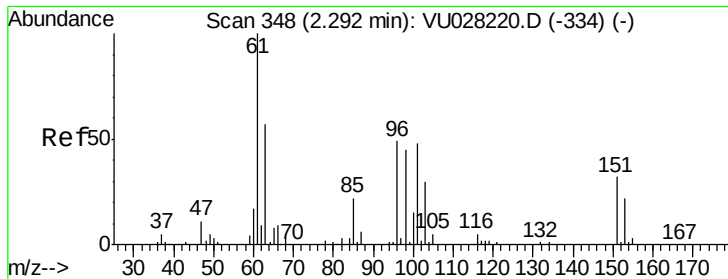
Tgt Ion: 64 Resp: 5349
Ion Ratio Lower Upper
64 100
66 25.9 20.7 38.5



#9
Trichlorofluoromethane
Concen: 0.521 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 101 Resp: 10307
Ion Ratio Lower Upper
101 100
103 70.7 51.7 77.5





#10

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

Concen: 0.553 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.01 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.514

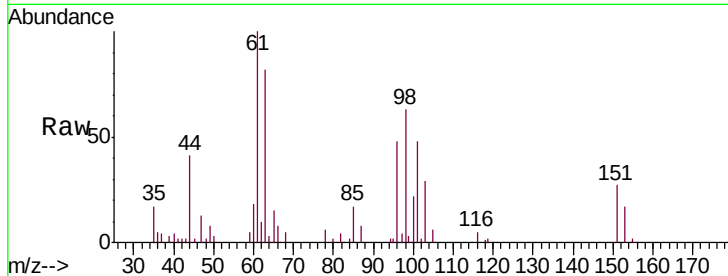
Tgt Ion:101 Resp: 6022

Ion Ratio Lower Upper

101 100

85 39.6 37.4 56.2

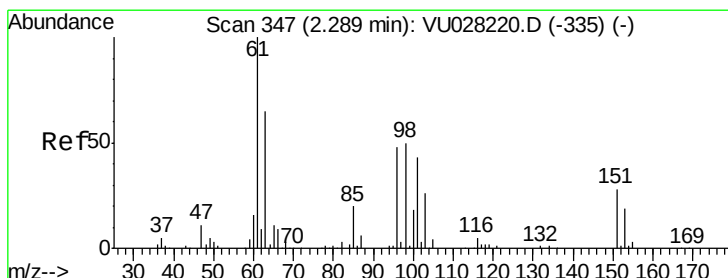
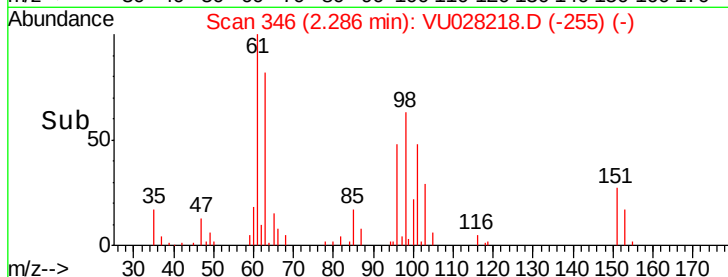
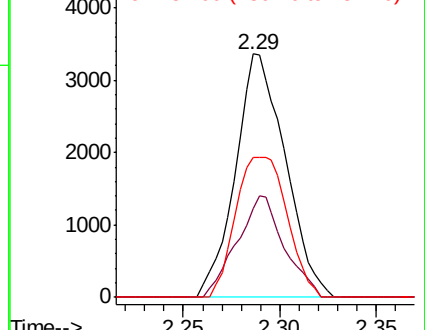
151 59.5 55.0 82.4



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: 0.521 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

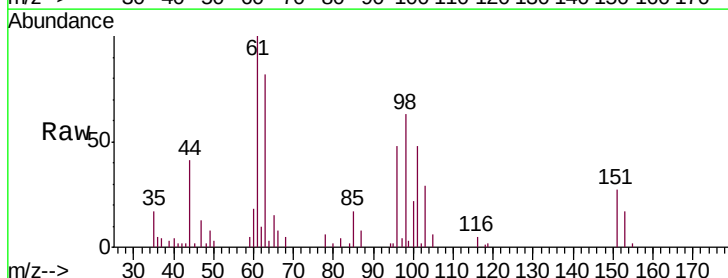
Tgt Ion: 96 Resp: 5371

Ion Ratio Lower Upper

96 100

61 206.8 145.5 270.1

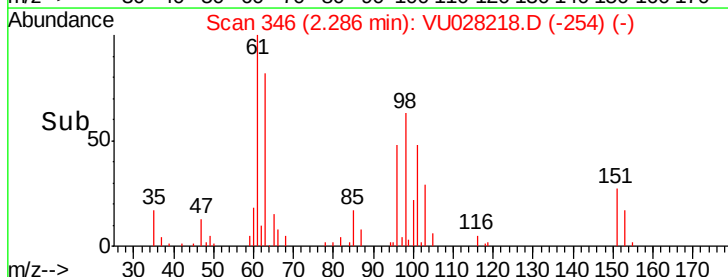
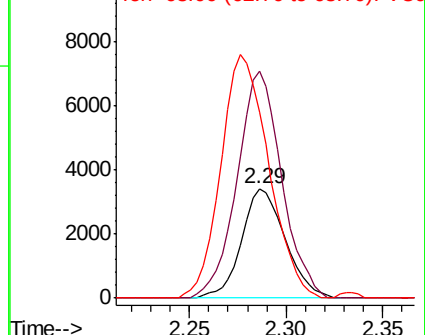
63 170.2 98.6 183.2

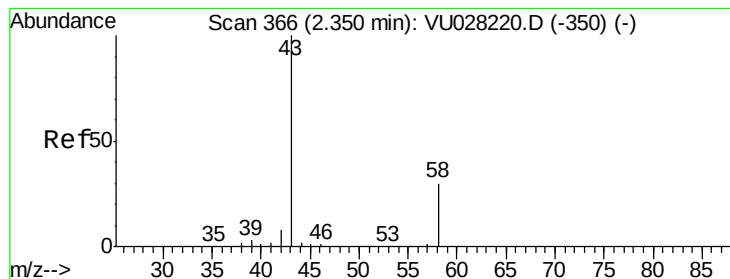


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.812 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.01 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

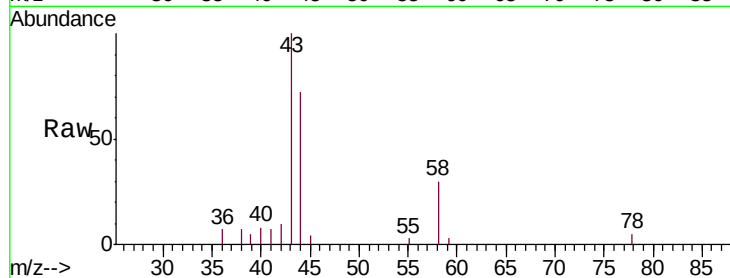
VSTD0.514

Tgt Ion: 43 Resp: 16850

Ion Ratio Lower Upper

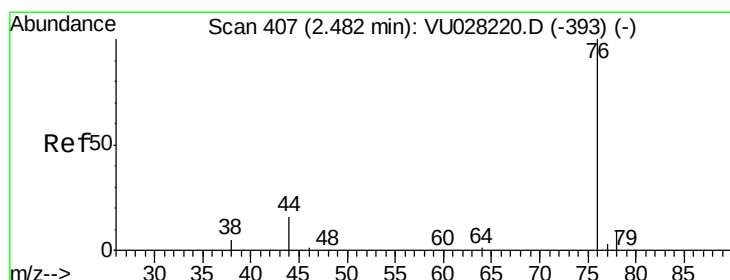
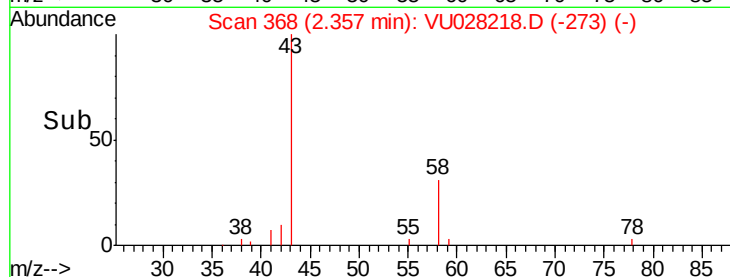
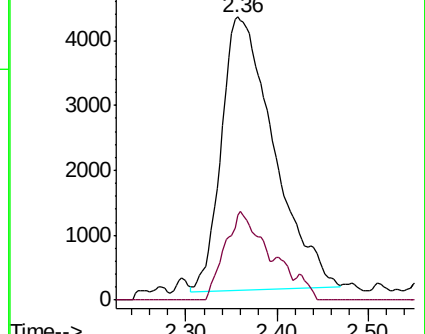
43 100

58 22.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.502 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028218.D

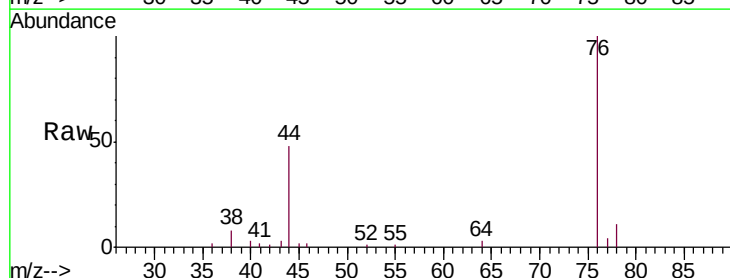
Acq: 17 Nov 2018 11:45

Tgt Ion: 76 Resp: 16244

Ion Ratio Lower Upper

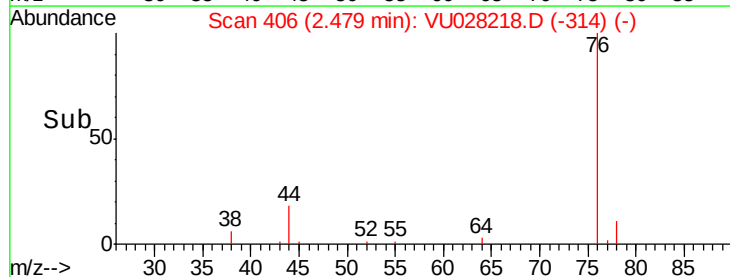
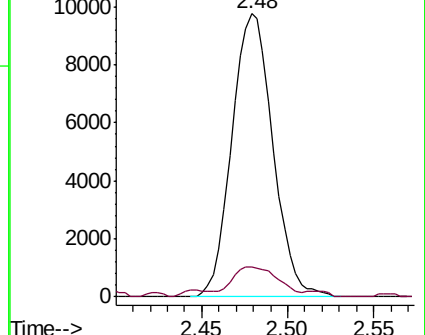
76 100

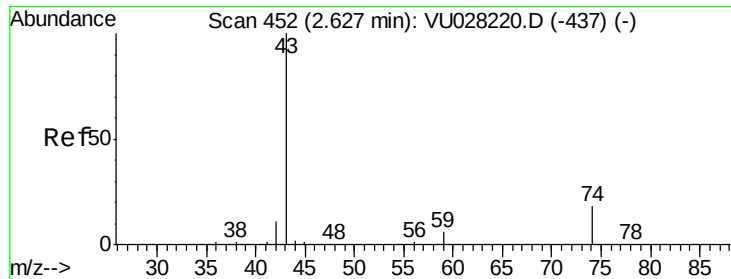
78 10.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

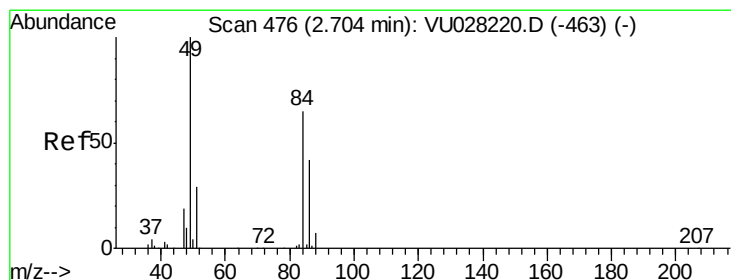
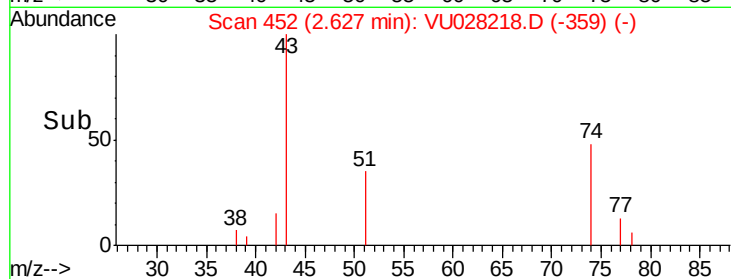
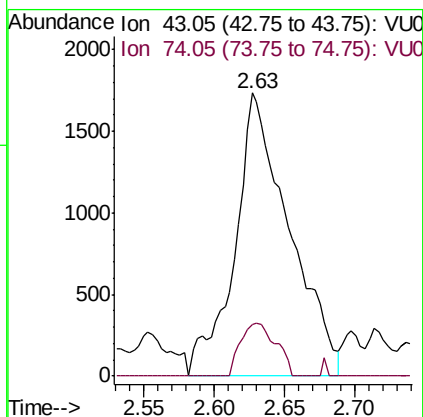
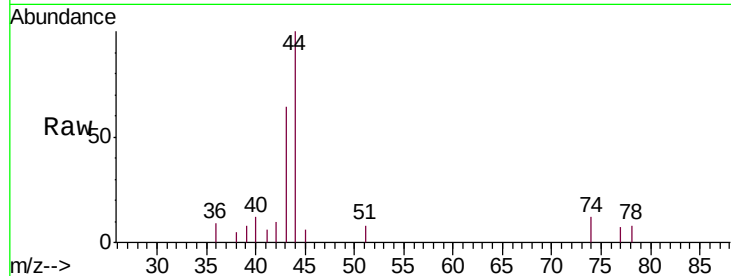




#15
Methyl Acetate
Concen: 0.609 ug/L
RT: 2.63 min Scan# 452
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

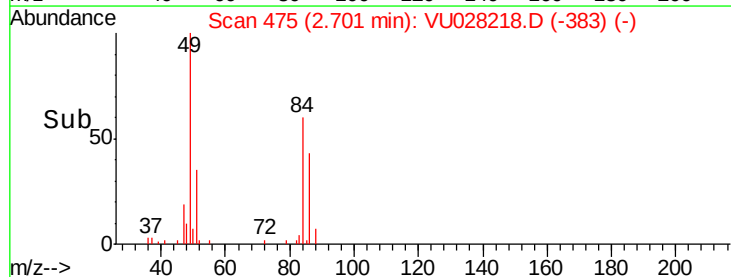
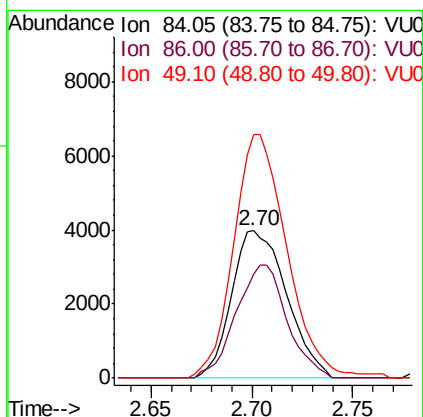
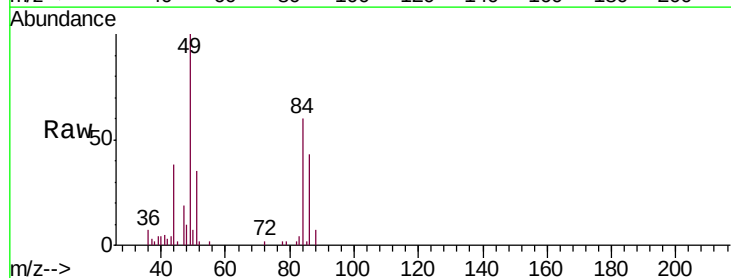
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

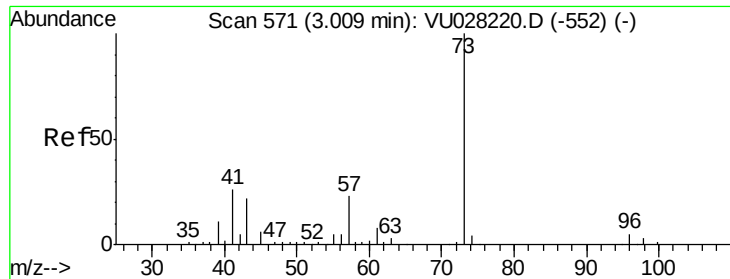
Tgt Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
74 12.2 14.7 22.1#



#16
Methylene chloride
Concen: 0.585 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 84 Resp: 7601
Ion Ratio Lower Upper
84 100
86 70.4 45.3 84.1
49 165.4 107.9 200.5

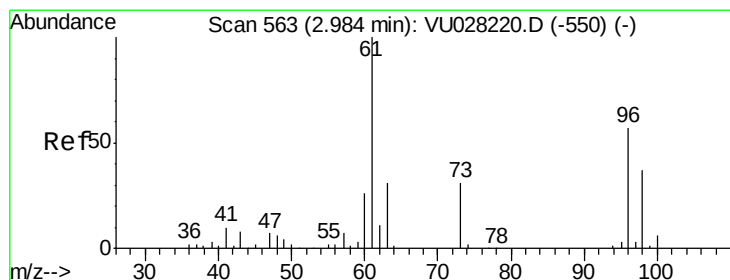
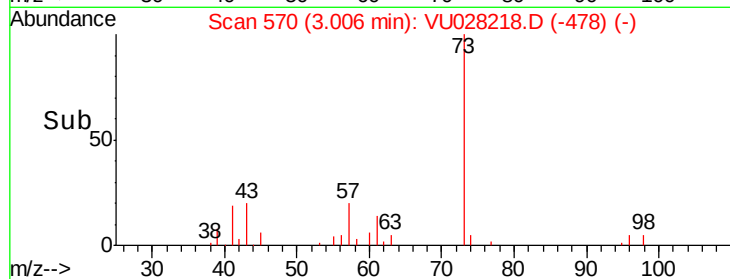
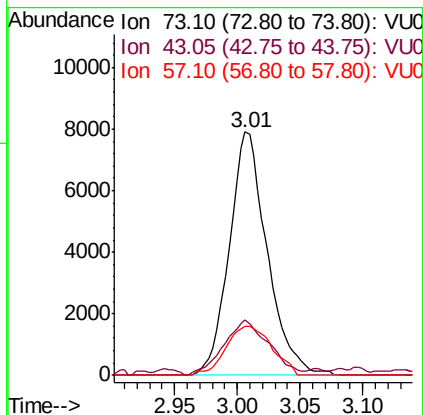
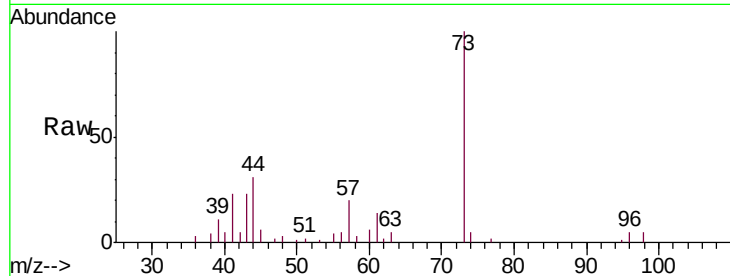




#17
Methyl tert-butyl Ether
Concen: 0.536 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

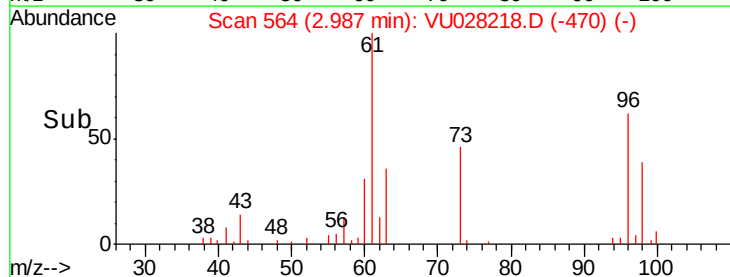
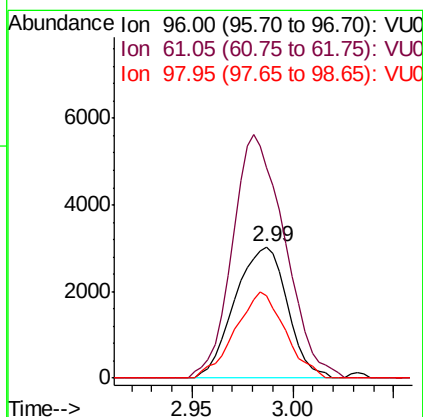
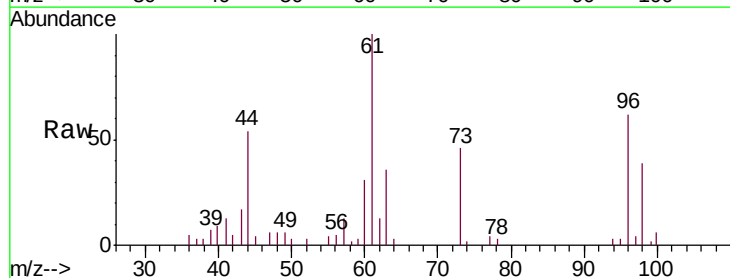
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

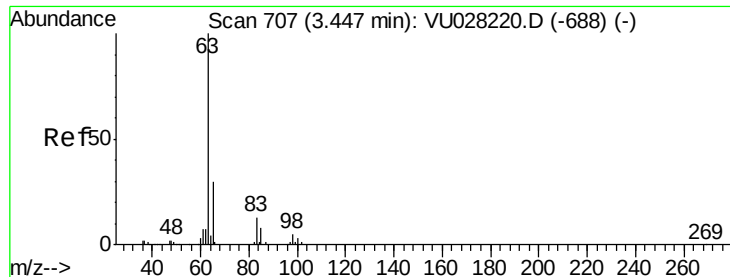
Tgt Ion: 73 Resp: 16594
Ion Ratio Lower Upper
73 100
43 27.1 18.8 28.2
57 24.3 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 0.503 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 96 Resp: 5524
Ion Ratio Lower Upper
96 100
61 161.0 122.2 227.0
98 62.6 44.9 83.5

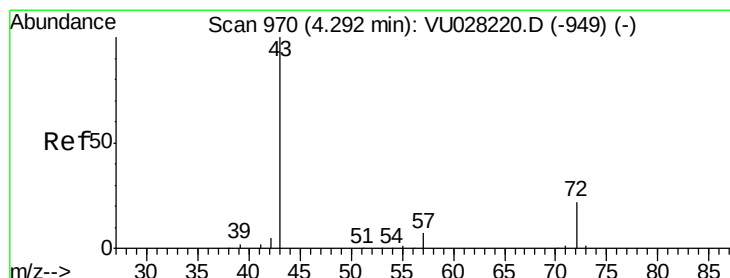
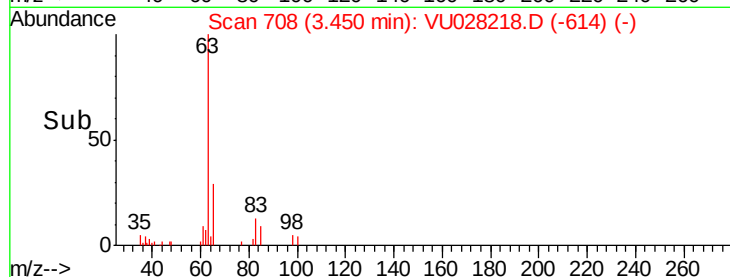
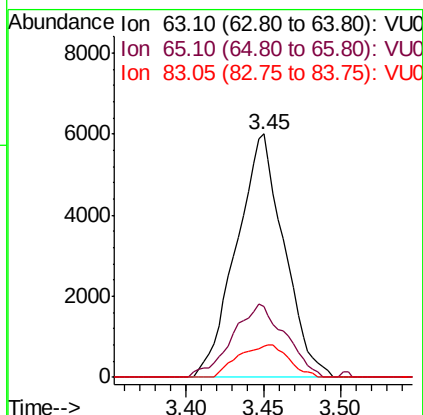
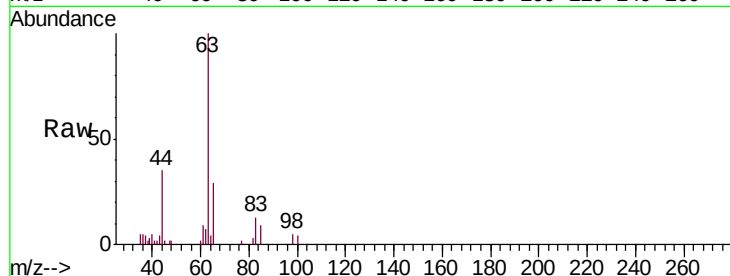




#19
1,1-Dichloroethane
Concen: 0.505 ug/L
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

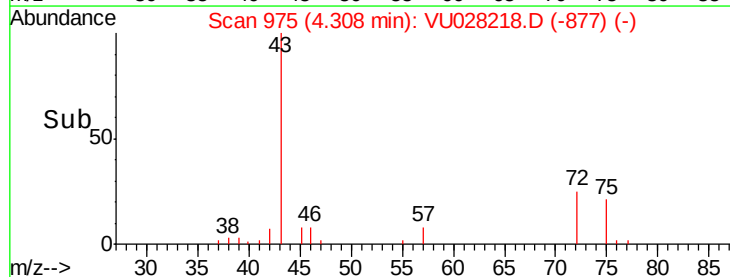
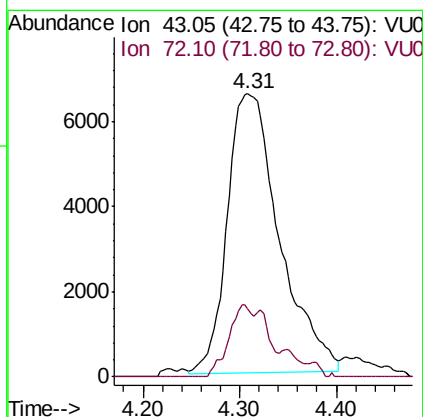
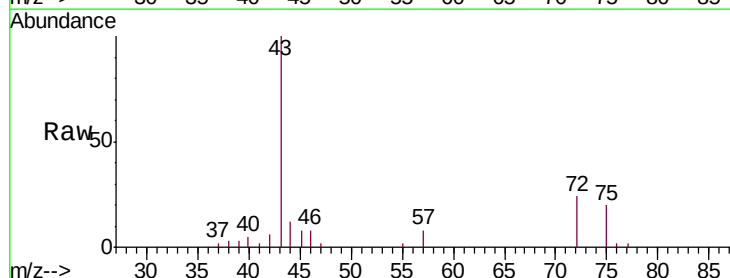
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

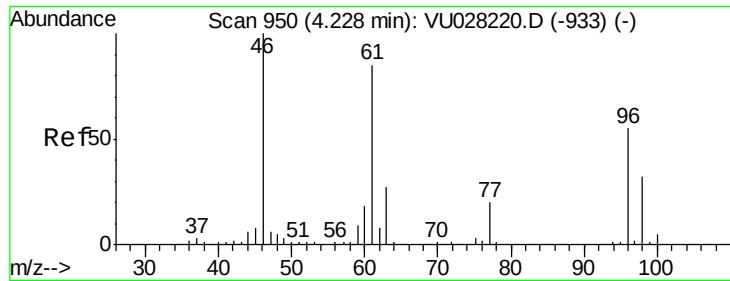
Tgt Ion: 63 Resp: 12843
Ion Ratio Lower Upper
63 100
65 29.2 21.2 39.4
83 12.6 8.8 16.4



#21
2-Butanone
Concen: 5.322 ug/L
RT: 4.31 min Scan# 975
Delta R.T. 0.02 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 43 Resp: 24567
Ion Ratio Lower Upper
43 100
72 12.0 10.7 32.1



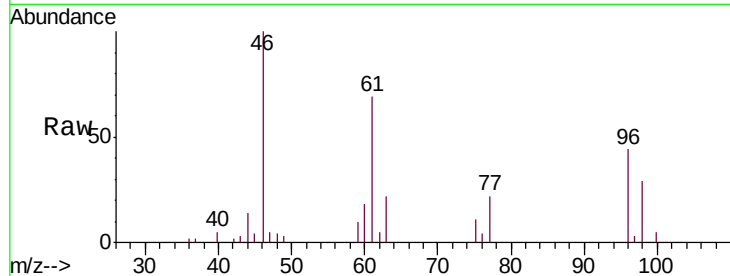


#22

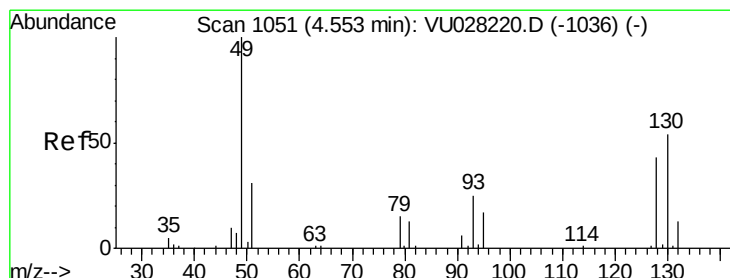
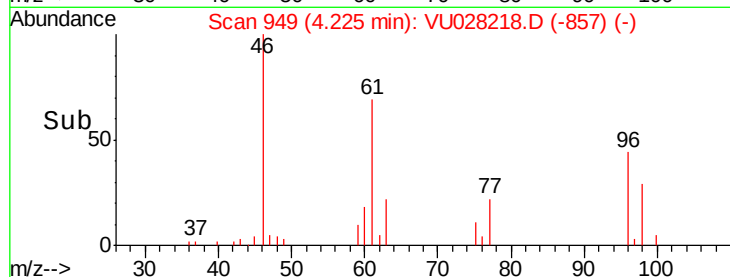
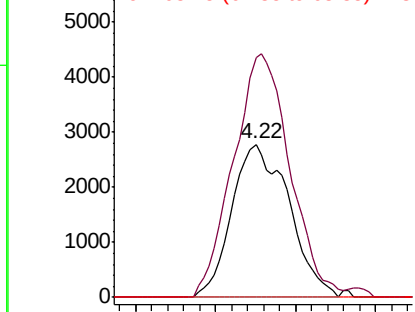
cis-1,2-Dichloroethene
Concen: 0.525 ug/L
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

Tgt Ion: 96 Resp: 6813
Ion Ratio Lower Upper
96 100
61 157.2 108.0 200.6
68 0.0 0.0 0.0



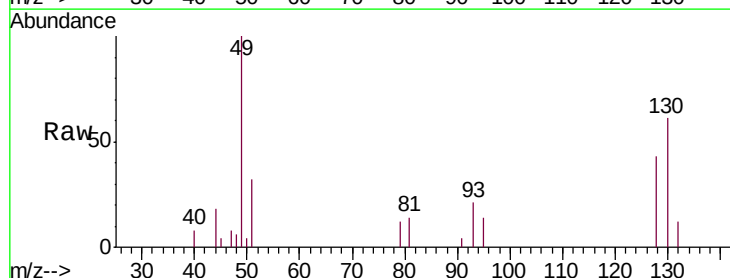
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



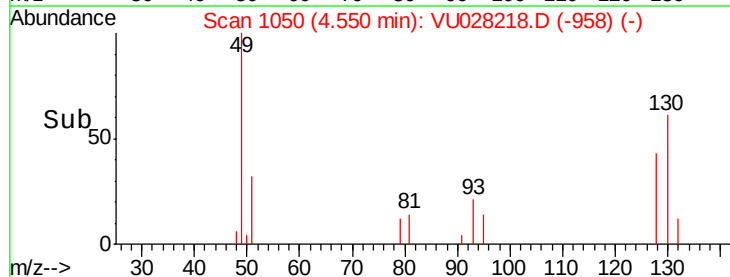
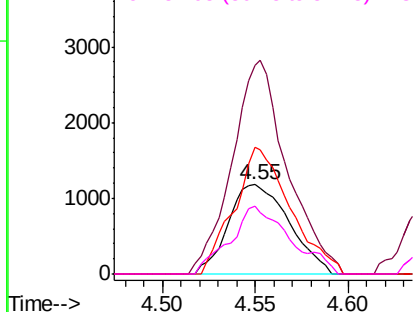
#23

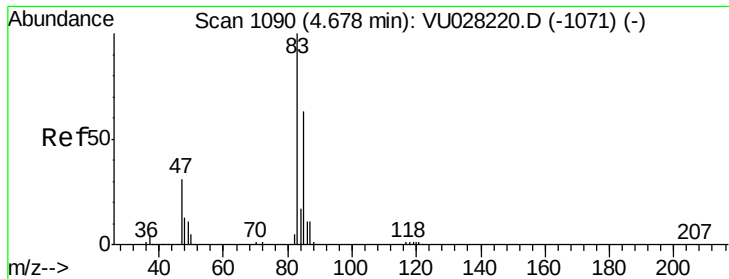
Bromochloromethane
Concen: 0.532 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 128 Resp: 2703
Ion Ratio Lower Upper
128 100
49 234.2 162.0 300.8
130 142.6 87.7 162.9
51 76.0 57.6 86.4



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

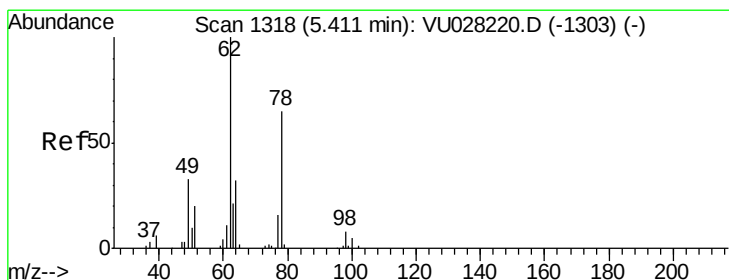
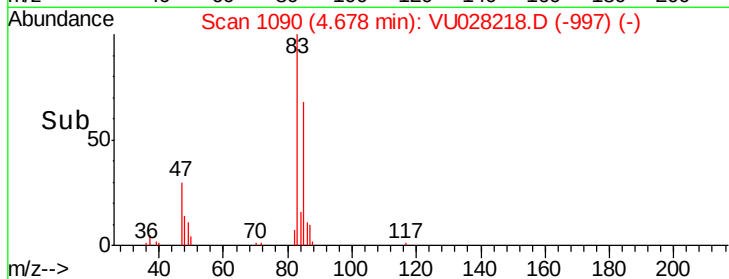
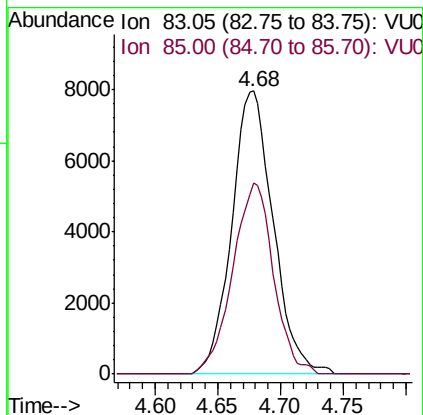
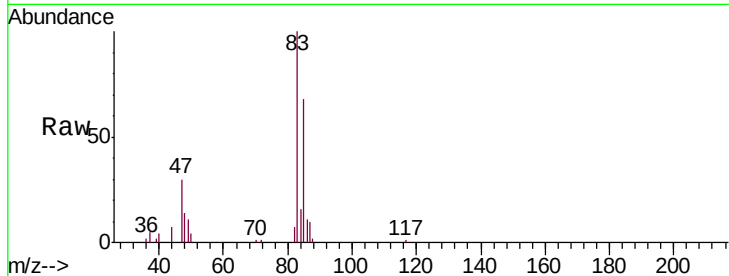




#25
Chloroform
Concen: 0.664 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

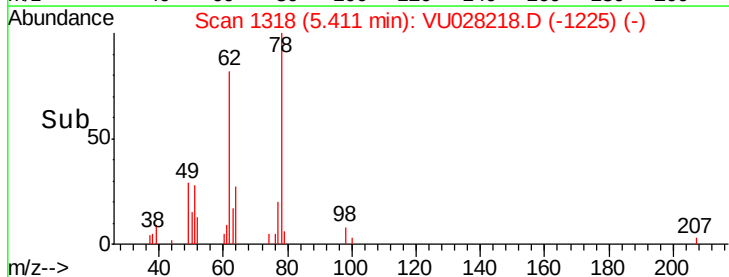
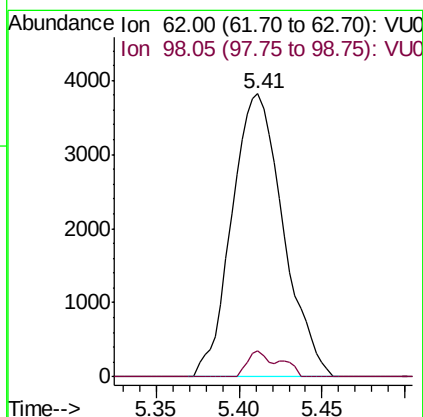
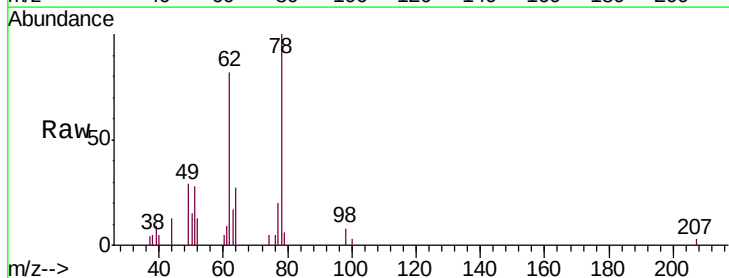
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

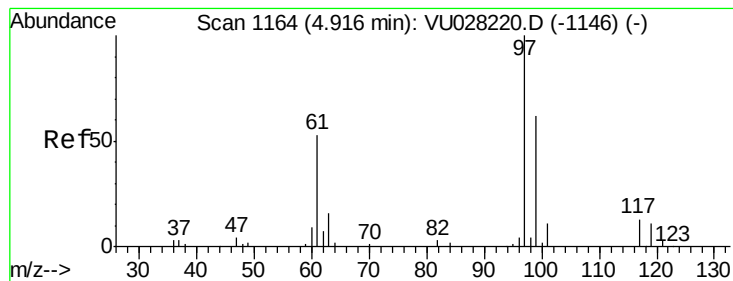
Tgt Ion: 83 Resp: 18289
Ion Ratio Lower Upper
83 100
85 67.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.522 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 62 Resp: 8223
Ion Ratio Lower Upper
62 100
98 9.4 6.2 9.4#





#29

1,1,1-Trichloroethane

Concen: 0.488 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.514

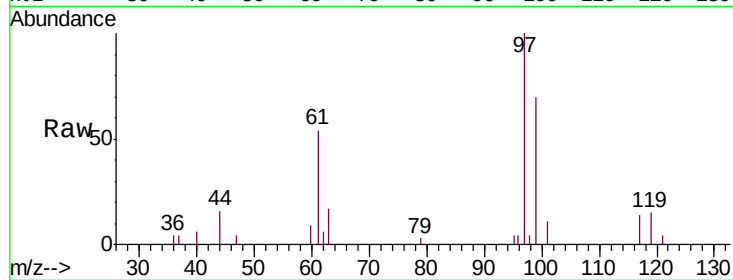
Tgt Ion: 97 Resp: 8622

Ion Ratio Lower Upper

97 100

99 66.0 50.8 76.2

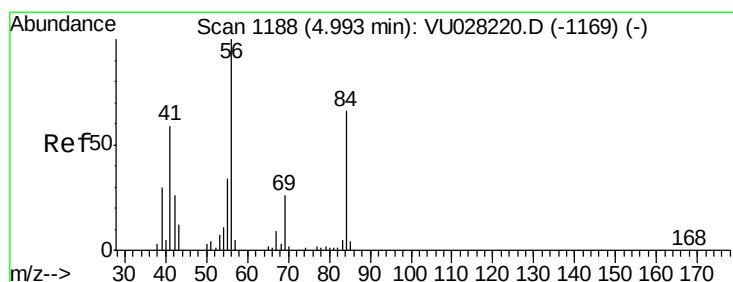
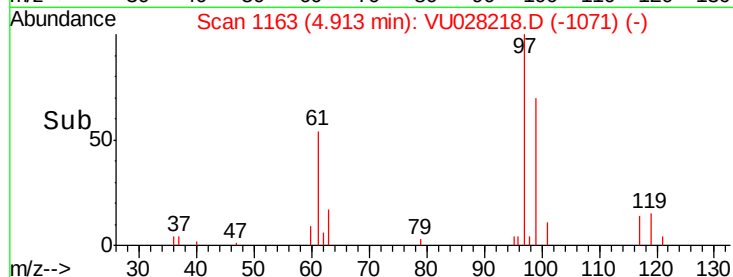
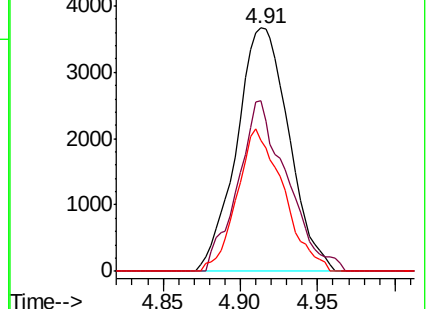
61 51.9 42.6 64.0



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: 0.510 ug/L

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

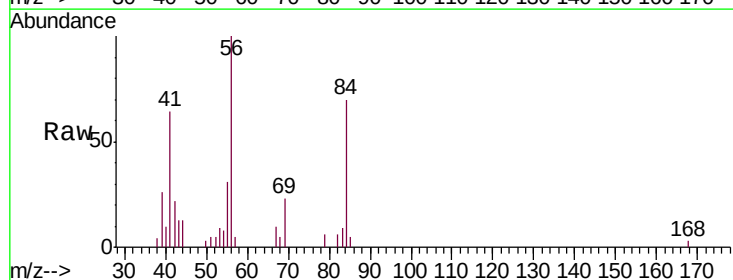
Tgt Ion: 56 Resp: 11792

Ion Ratio Lower Upper

56 100

69 26.2 22.0 33.0

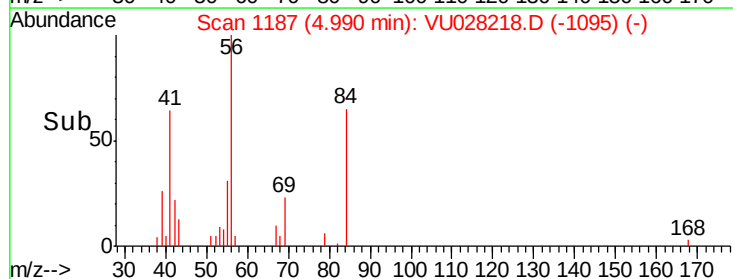
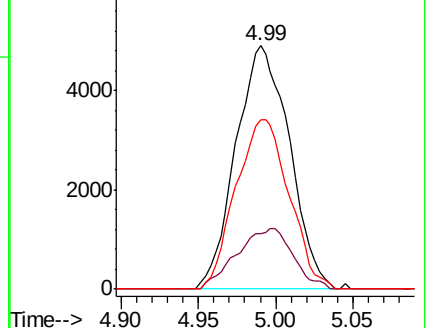
84 69.4 56.0 84.0

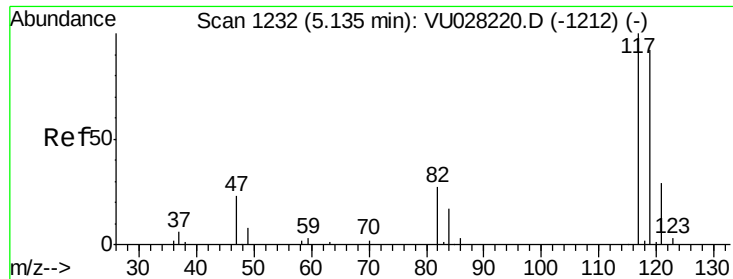


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.471 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

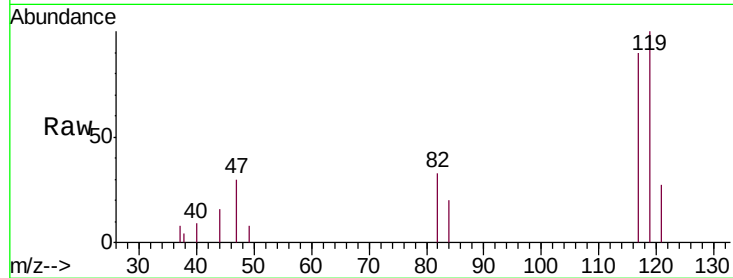
VSTD0.514

Tgt Ion:117 Resp: 6828

Ion Ratio Lower Upper

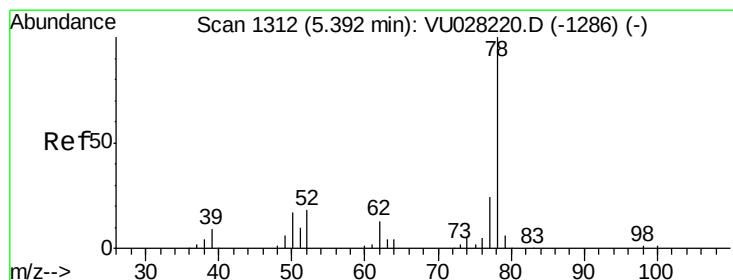
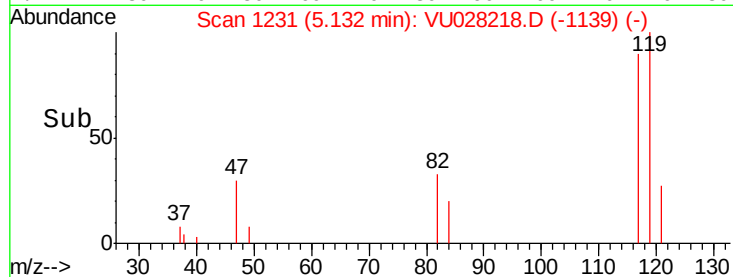
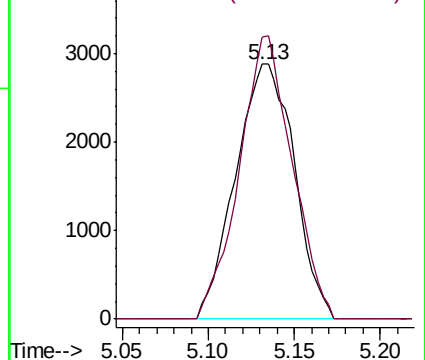
117 100

119 100.0 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.512 ug/L

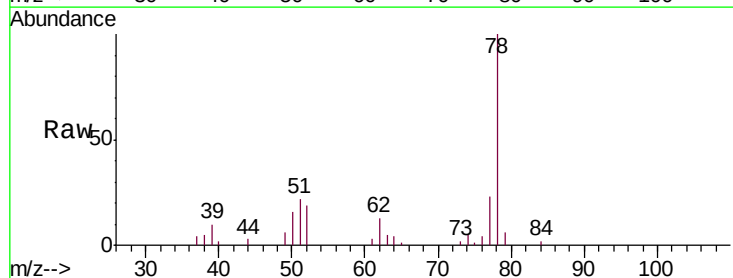
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

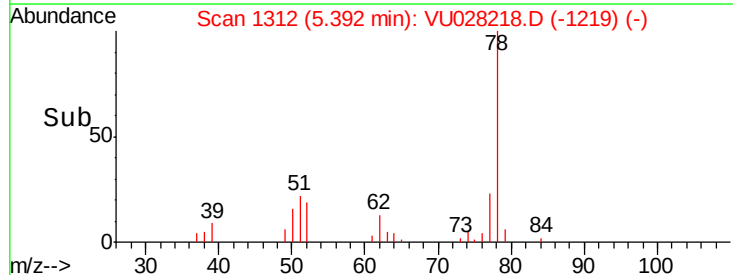
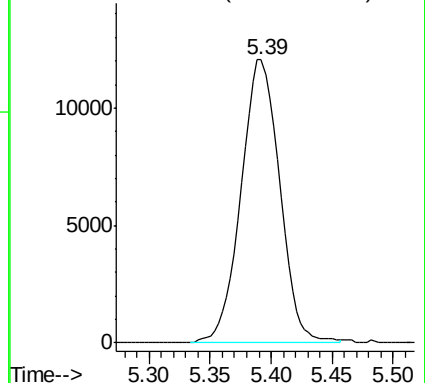
Lab File: VU028218.D

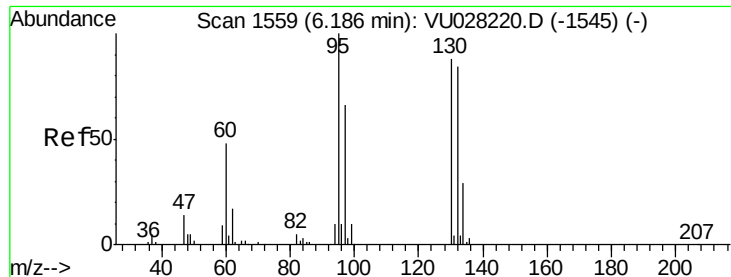
Acq: 17 Nov 2018 11:45

Tgt Ion: 78 Resp: 26471



Abundance Ion 78.10 (77.80 to 78.80): VU0

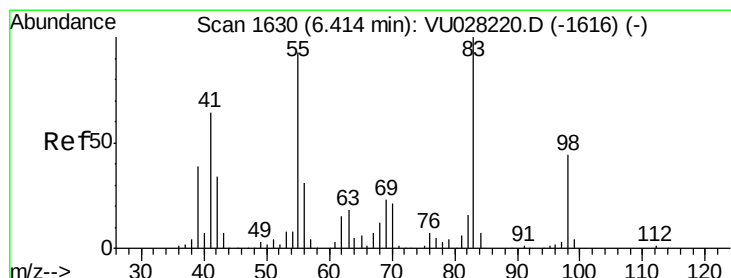
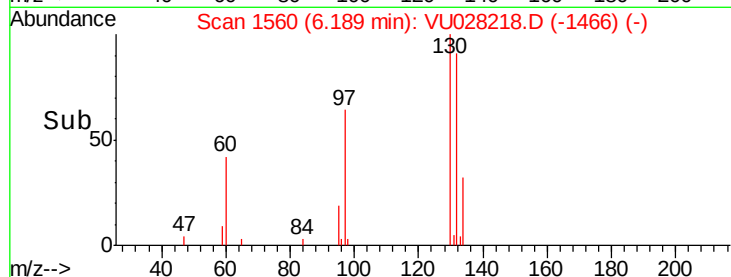
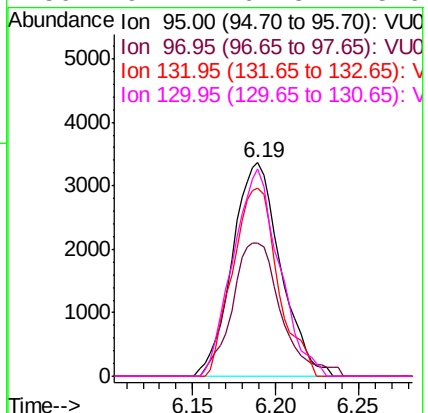
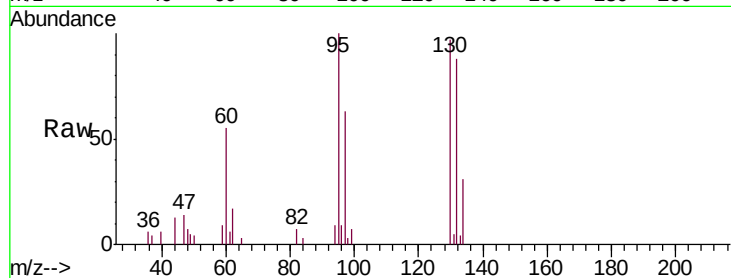




#34
 Trichloroethene
 Concen: 0.537 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

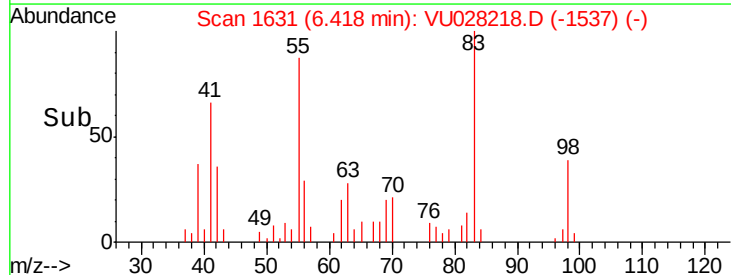
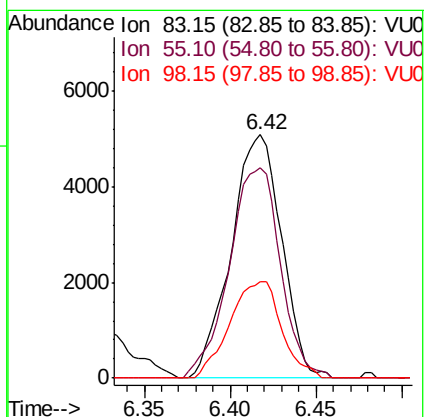
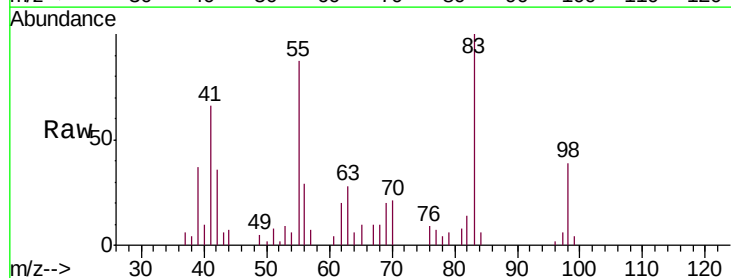
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.514

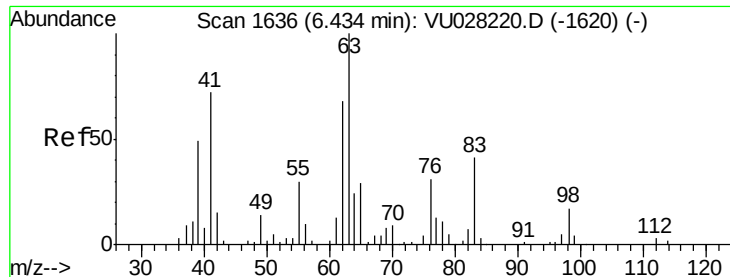
Tgt Ion:	95	Resp:	6806
Ion	Ratio	Lower	Upper
95	100		
97	62.6	46.5	86.3
132	88.2	58.9	109.3
130	97.2	61.3	113.9



#35
 Methylcyclohexane
 Concen: 0.521 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion:	83	Resp:	10402
Ion	Ratio	Lower	Upper
83	100		
55	88.1	73.2	109.8
98	40.6	33.4	50.2

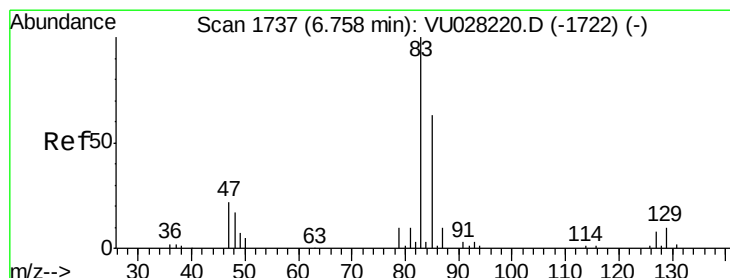
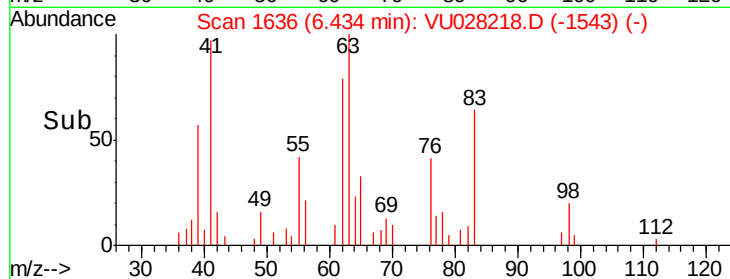
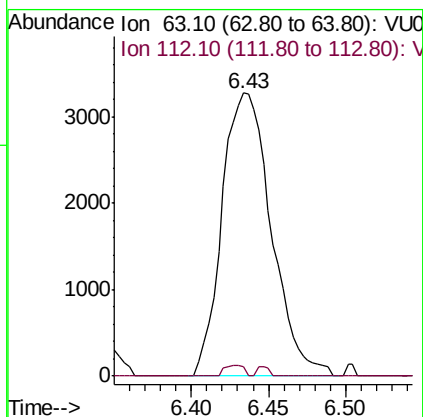
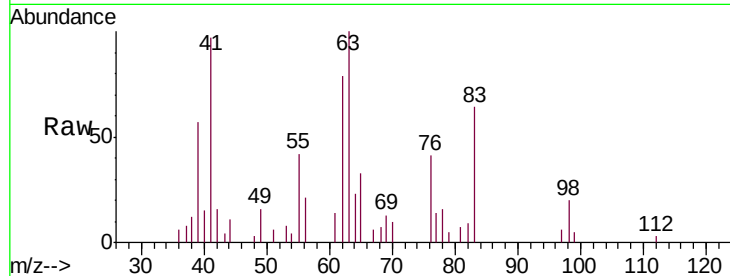




#37
 1,2-Dichloropropane
 Concen: 0.492 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

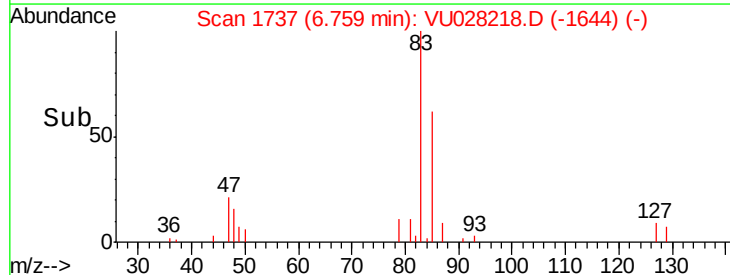
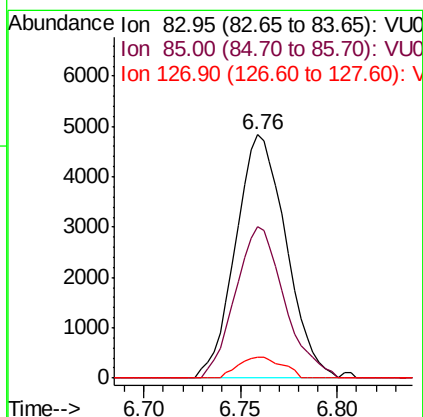
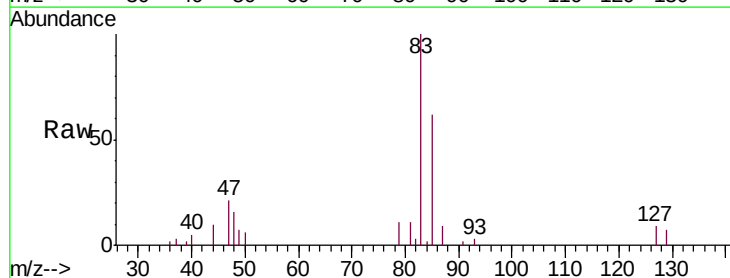
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.514

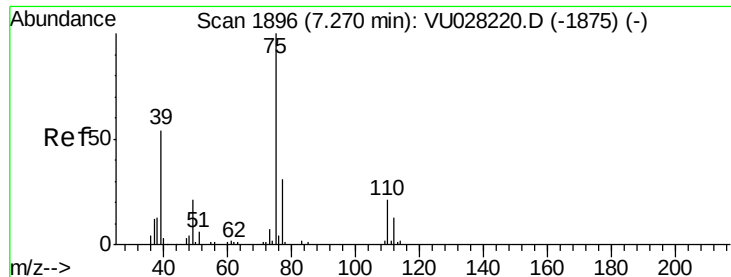
Tgt Ion: 63 Resp: 7258
 Ion Ratio Lower Upper
 63 100
 112 1.5 2.2 3.2#



#38
 Bromodichloromethane
 Concen: 0.543 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion: 83 Resp: 8749
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.2 82.0
 127 8.6 6.2 9.4

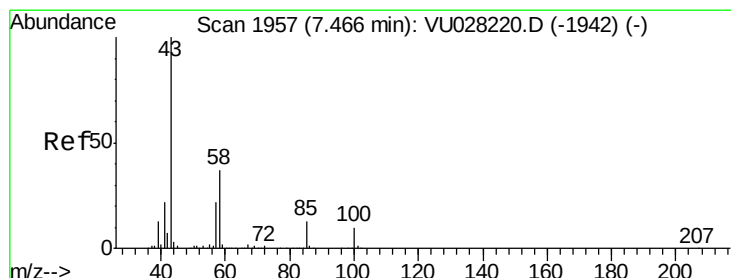
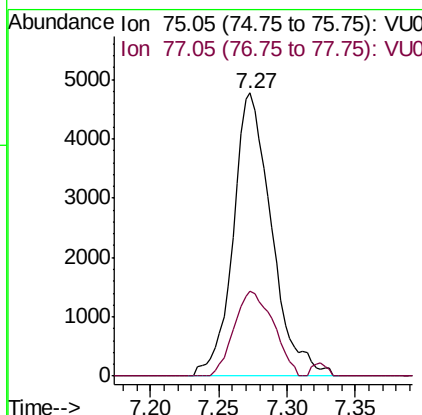
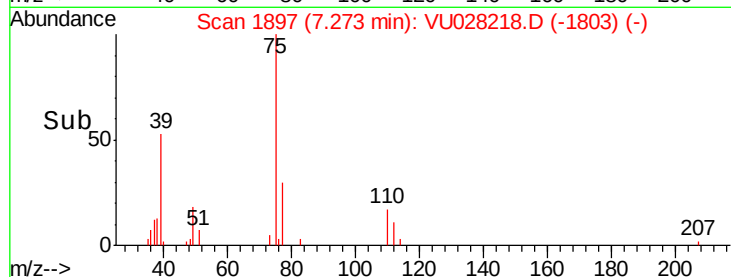
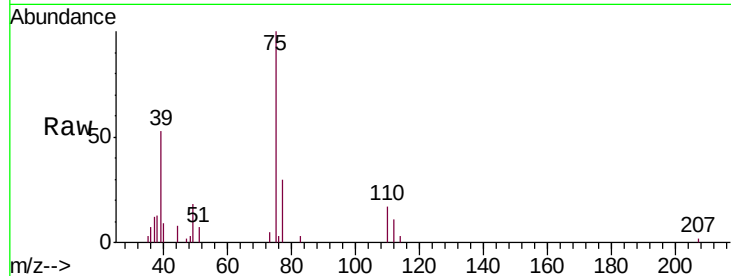




#39
 cis-1,3-Dichloropropene
 Concen: 0.498 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

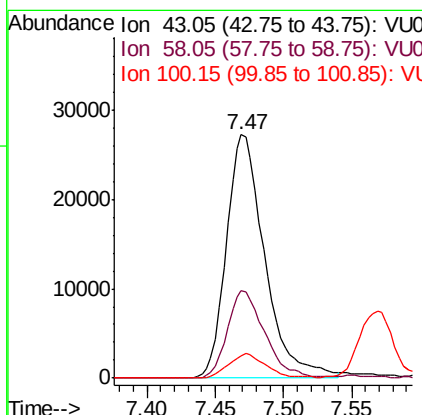
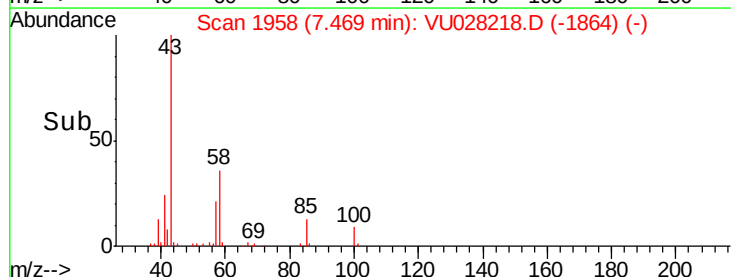
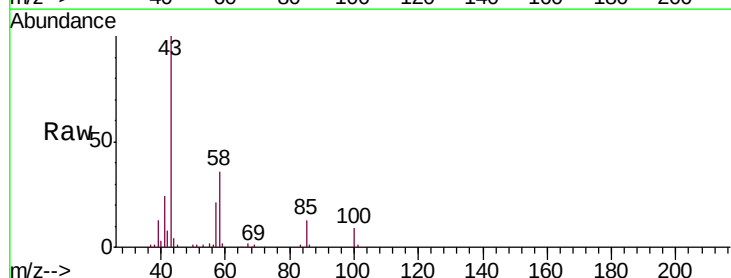
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.514

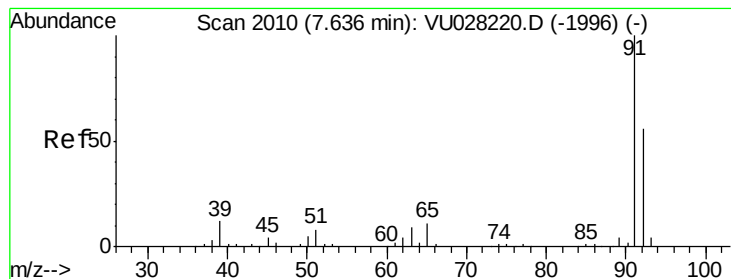
Tgt Ion: 75 Resp: 9327
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 5.049 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion: 43 Resp: 53298
 Ion Ratio Lower Upper
 43 100
 58 34.6 28.8 43.2
 100 9.7 8.0 12.0





#42

Toluene

Concen: 0.506 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

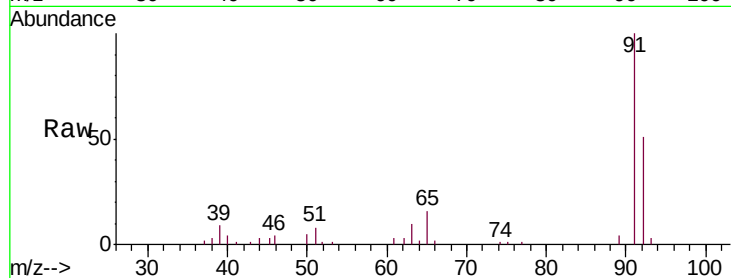
VSTD0.514

Tgt Ion: 91 Resp: 26531

Ion Ratio Lower Upper

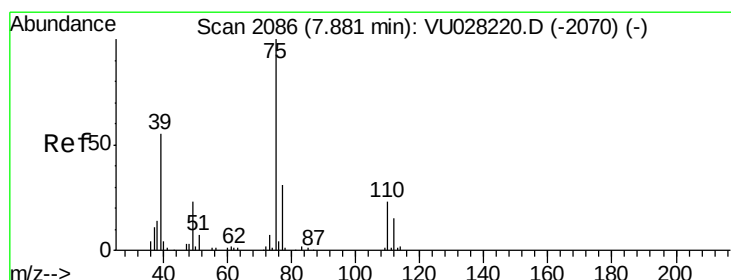
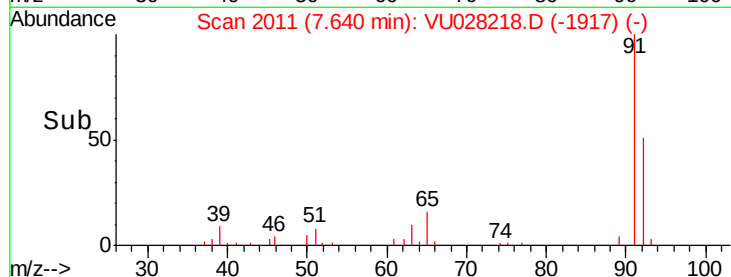
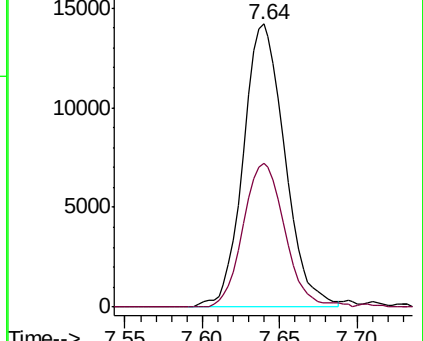
91 100

92 51.0 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.487 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU028218.D

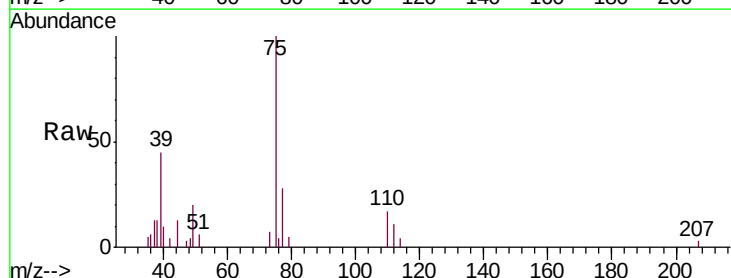
Acq: 17 Nov 2018 11:45

Tgt Ion: 75 Resp: 6858

Ion Ratio Lower Upper

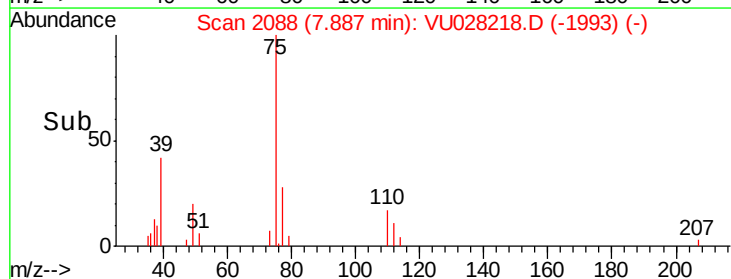
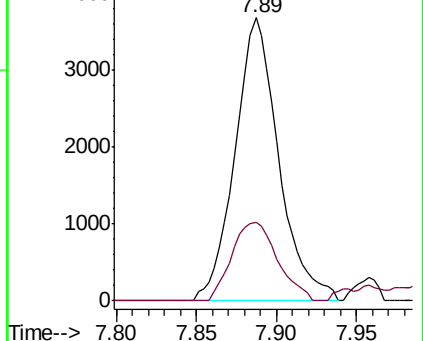
75 100

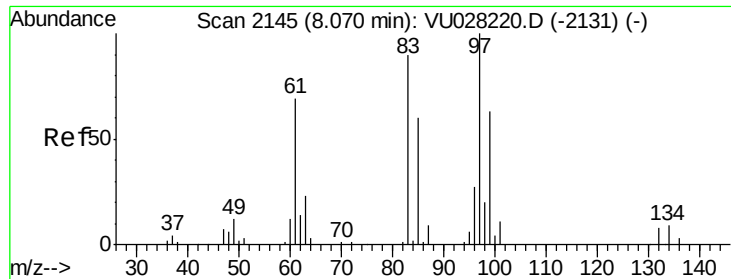
77 28.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

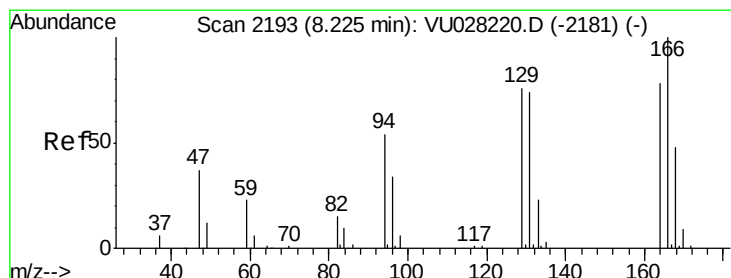
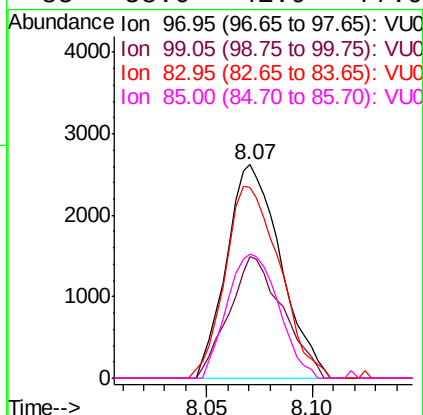
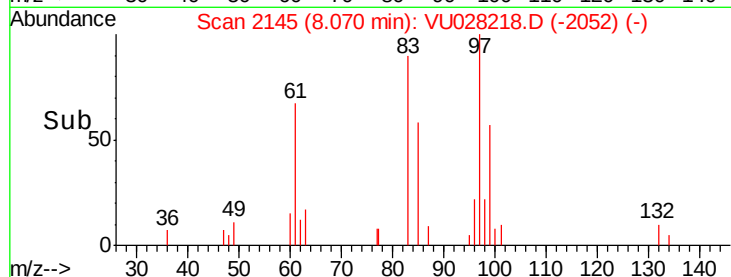
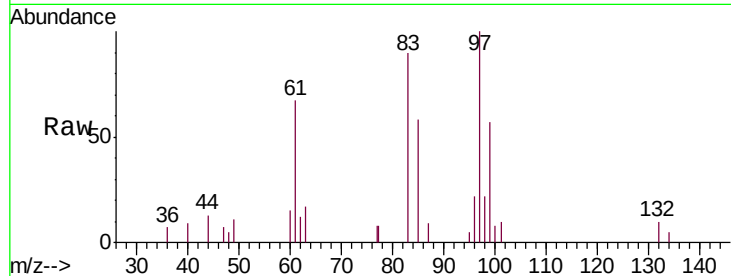




#45
 1,1,2-Trichloroethane
 Concen: 0.523 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

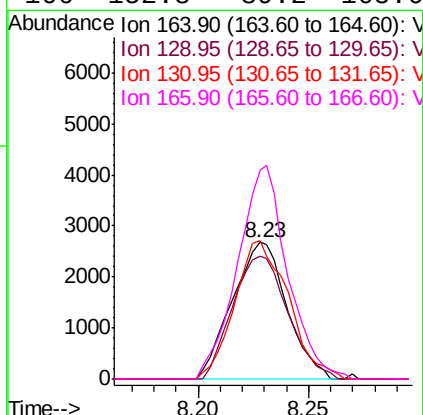
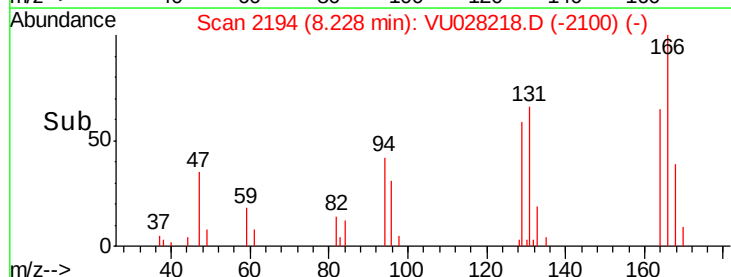
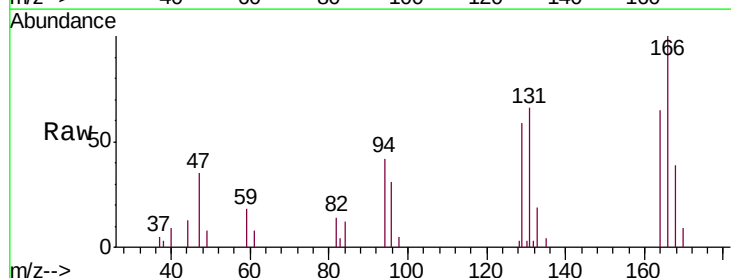
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.514

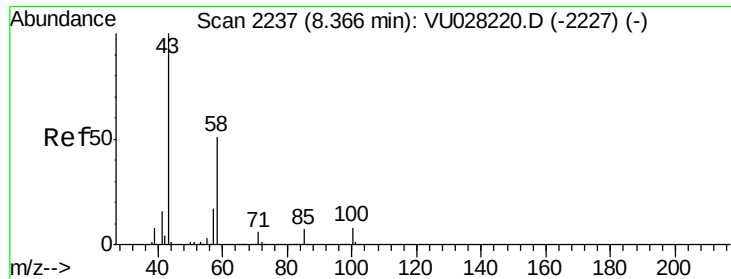
Tgt Ion:	97	Resp:	4664
Ion	Ratio	Lower	Upper
97	100		
99	57.1	44.2	82.0
83	89.5	63.3	117.5
85	58.0	41.9	77.9



#47
 Tetrachloroethene
 Concen: 0.521 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion:	164	Resp:	4582
Ion	Ratio	Lower	Upper
164	100		
129	90.2	67.6	125.6
131	100.9	66.3	123.1
166	152.8	89.2	165.6

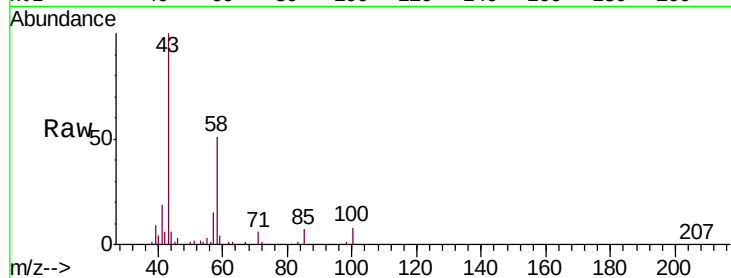




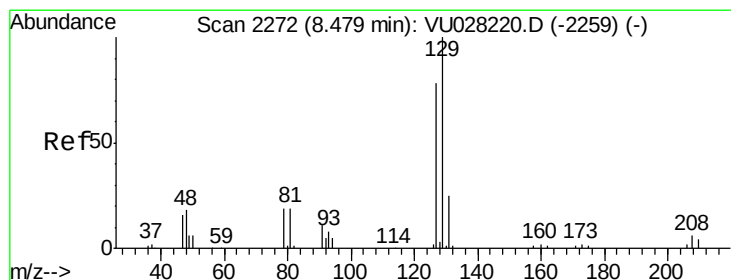
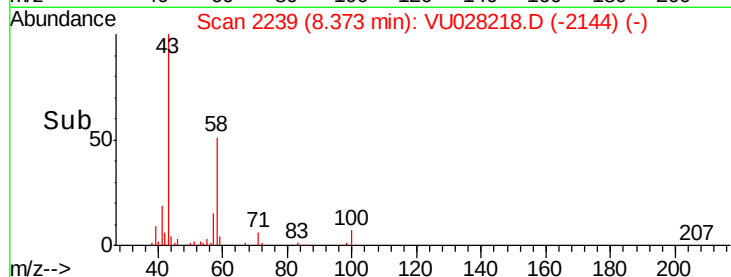
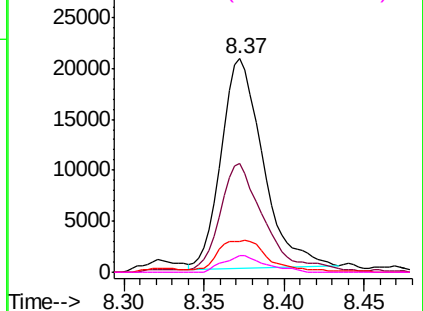
#48
2-Hexanone
Concen: 4.920 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

Tgt Ion:	43	Resp:	37033
Ion	Ratio	Lower	Upper
43	100		
58	53.7	41.1	61.7
57	18.8	13.8	20.8
100	8.0	6.5	9.7

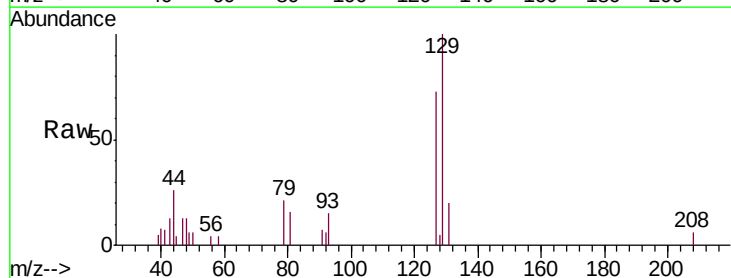


Abundance Ion 43.05 (42.75 to 43.75): VU028218.D (-2144) (-)
Ion 58.05 (57.75 to 58.75): VU028218.D (-2144) (-)
Ion 57.20 (56.90 to 57.90): VU028218.D (-2144) (-)
Ion 100.15 (99.85 to 100.85): VU028218.D (-2144) (-)

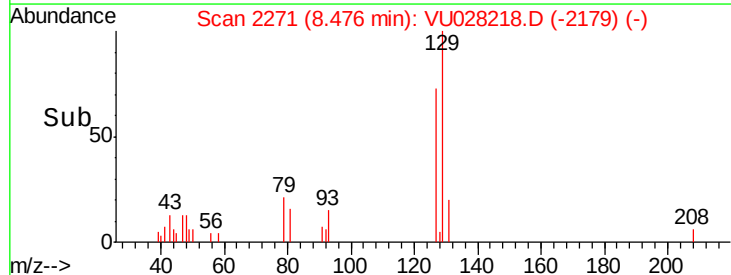
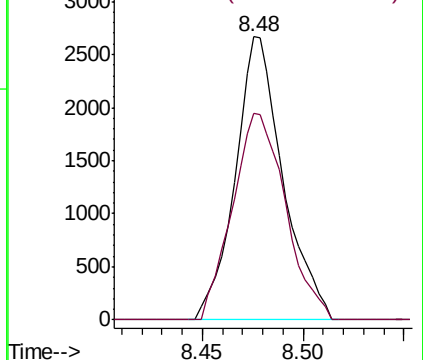


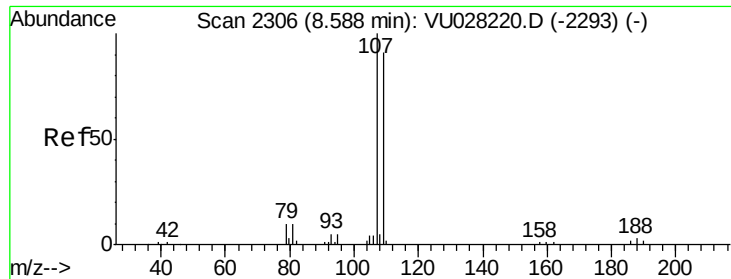
#49
Dibromochloromethane
Concen: 0.488 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion:	129	Resp:	4410
Ion	Ratio	Lower	Upper
129	100		
127	73.2	54.7	101.5



Abundance Ion 128.95 (128.65 to 129.65): VU028218.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU028218.D (-2179) (-)

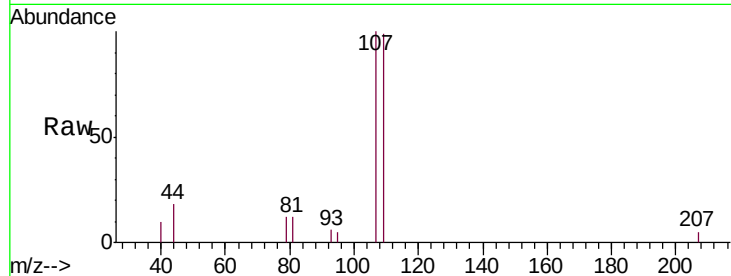




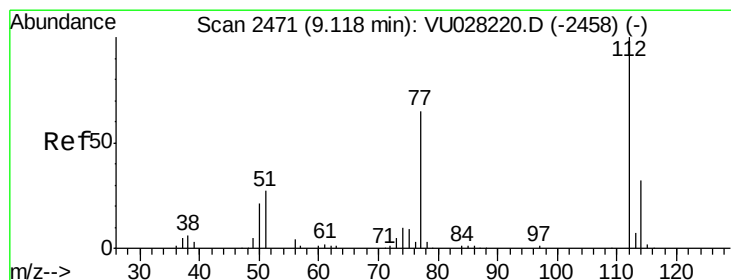
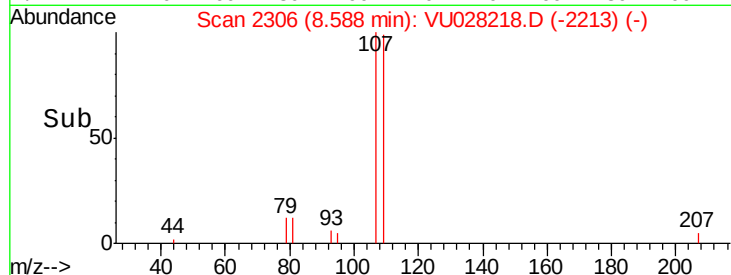
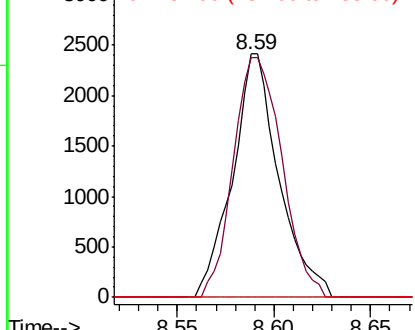
#50
1,2-Dibromoethane
Concen: 0.501 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

Tgt Ion:107 Resp: 4040
Ion Ratio Lower Upper
107 100
109 98.5 63.7 118.3
188 0.0 2.5 3.7#

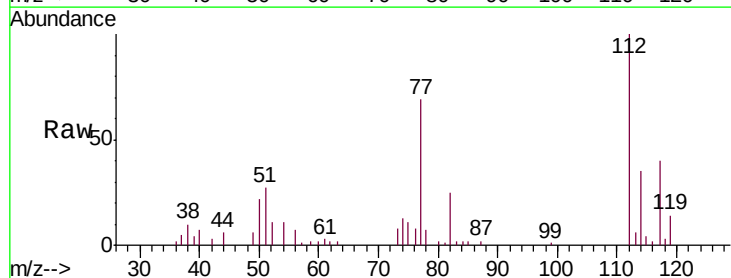


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

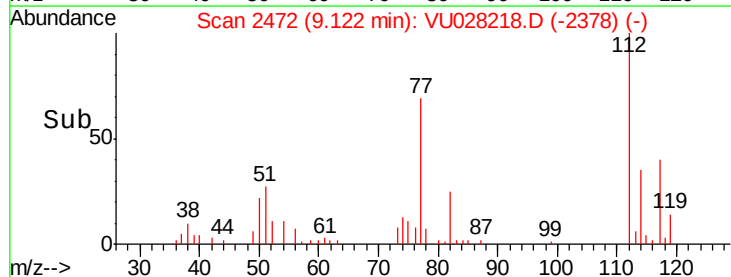
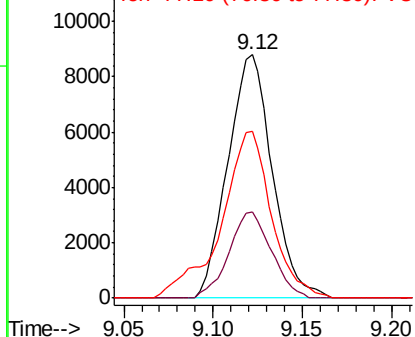


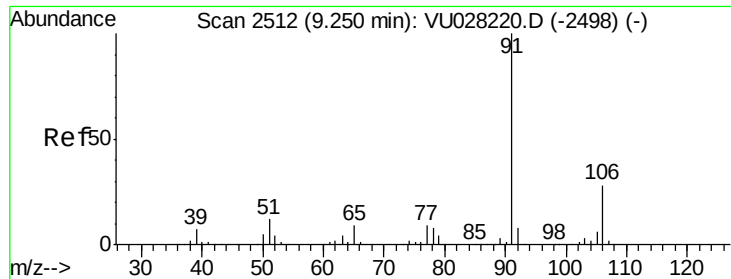
#51
Chlorobenzene
Concen: 0.503 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion:112 Resp: 15189
Ion Ratio Lower Upper
112 100
114 35.4 22.3 41.5
77 68.5 52.4 78.6



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

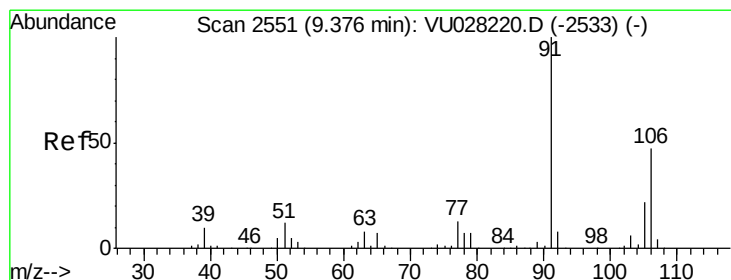
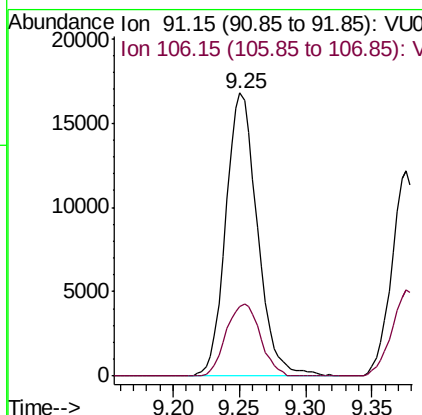
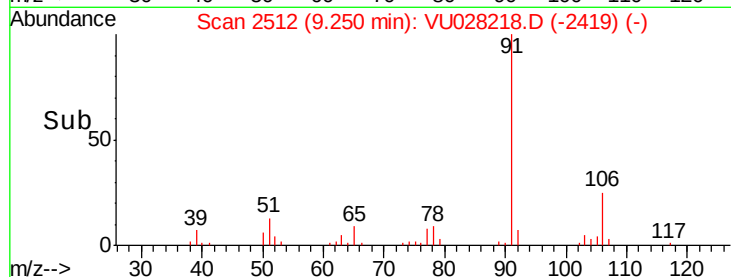
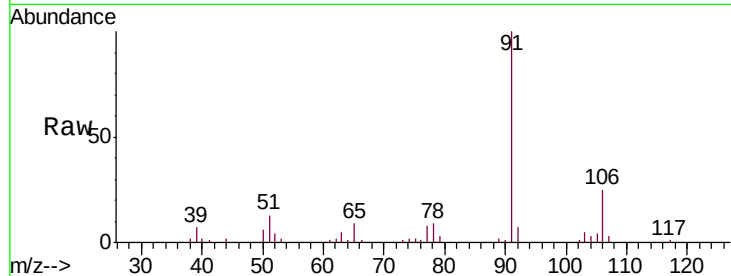




#52
Ethylbenzene
Concen: 0.492 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

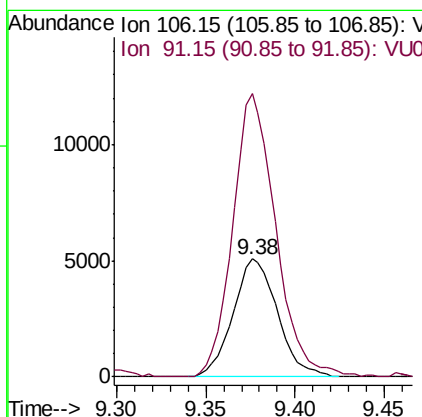
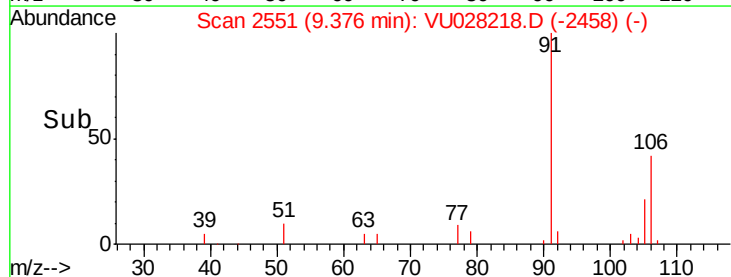
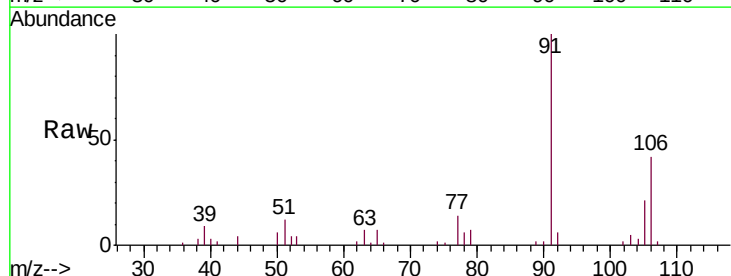
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

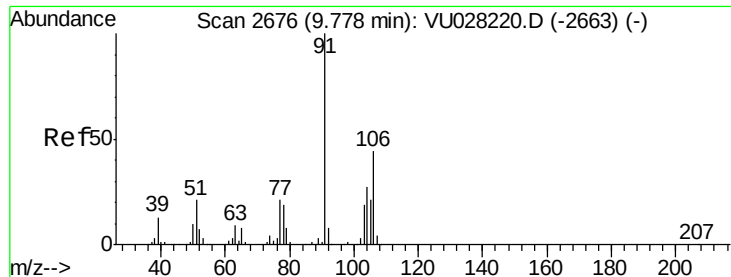
Tgt Ion: 91 Resp: 27789
Ion Ratio Lower Upper
91 100
106 24.8 19.3 35.9



#53
m,p-xylene
Concen: 0.449 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion: 106 Resp: 8793
Ion Ratio Lower Upper
106 100
91 239.6 150.6 279.6

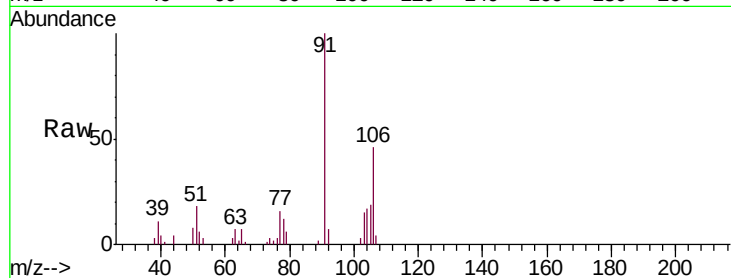




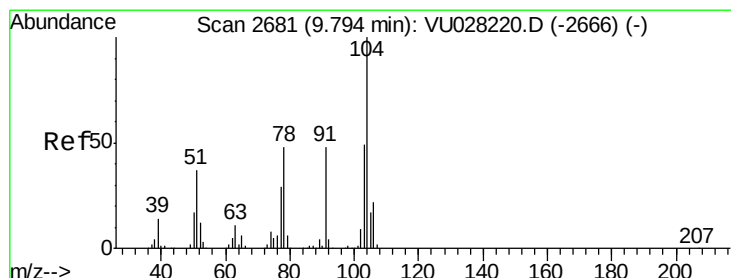
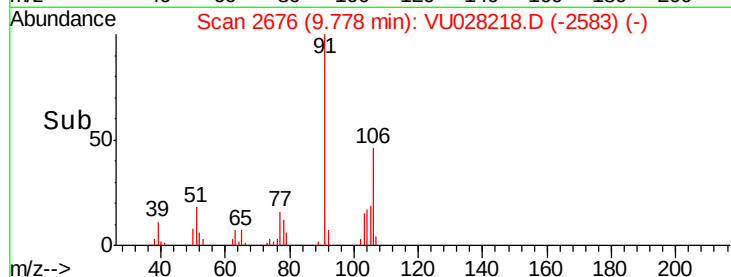
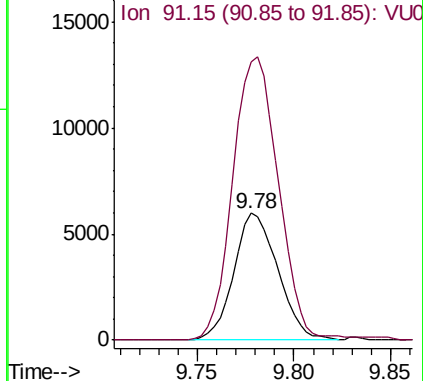
#54
o-xylene
Concen: 0.484 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.514

Tgt Ion:106 Resp: 9473
Ion Ratio Lower Upper
106 100
91 219.5 157.5 292.5

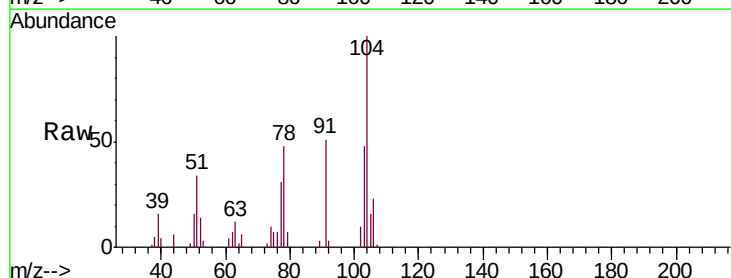


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

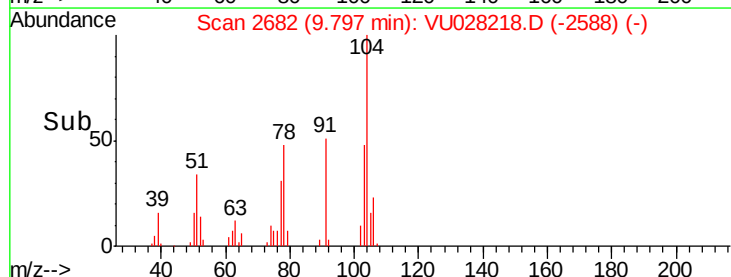
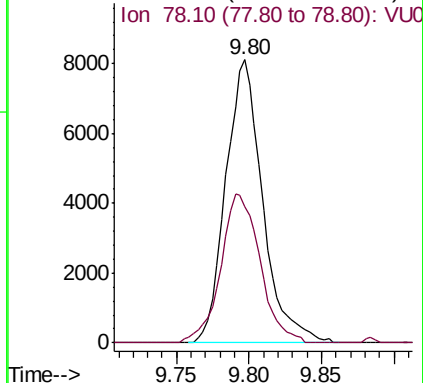


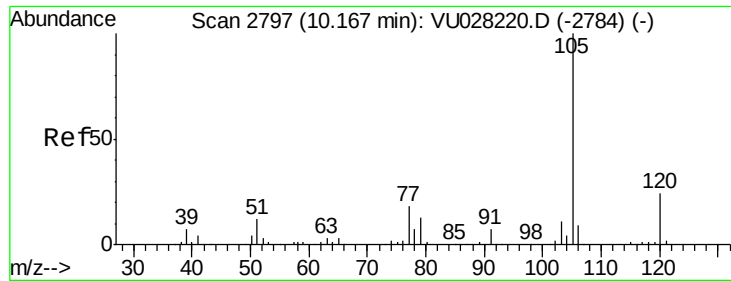
#55
Styrene
Concen: 0.437 ug/L
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU028218.D
Acq: 17 Nov 2018 11:45

Tgt Ion:104 Resp: 14356
Ion Ratio Lower Upper
104 100
78 48.3 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.476 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.514

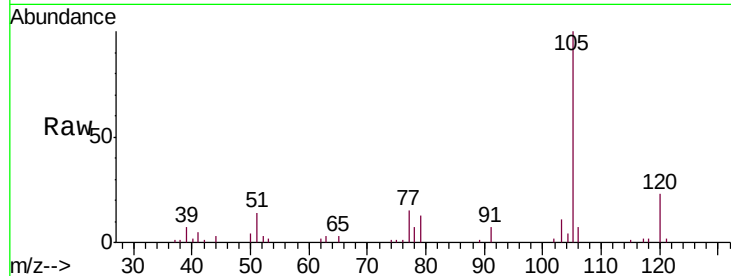
Tgt Ion: 105 Resp: 24936

Ion Ratio Lower Upper

105 100

120 23.7 20.3 30.5

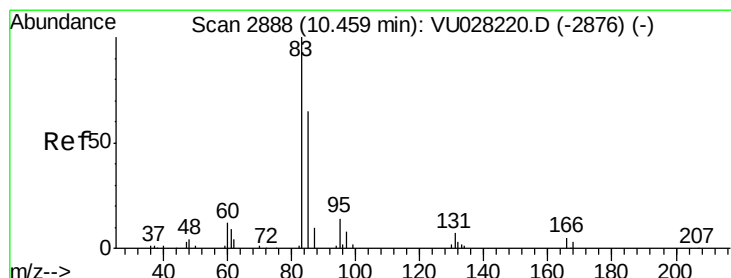
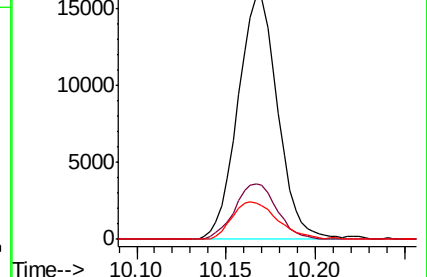
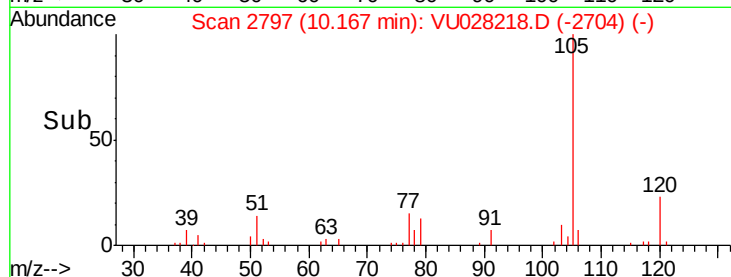
77 17.2 14.5 21.7



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: 0.479 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

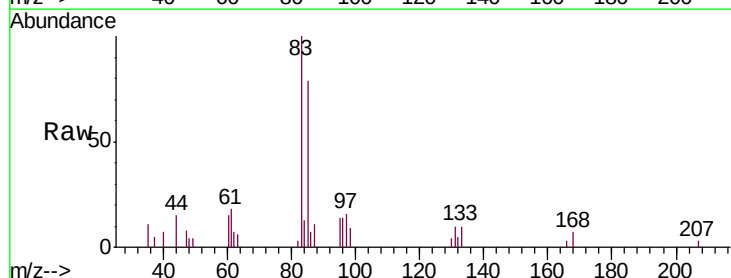
Tgt Ion: 83 Resp: 5499

Ion Ratio Lower Upper

83 100

85 79.3 46.1 85.5

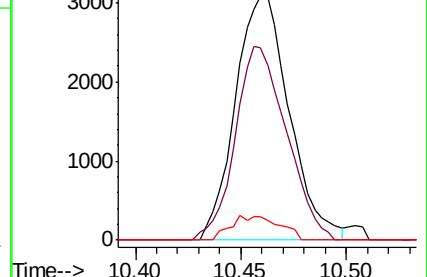
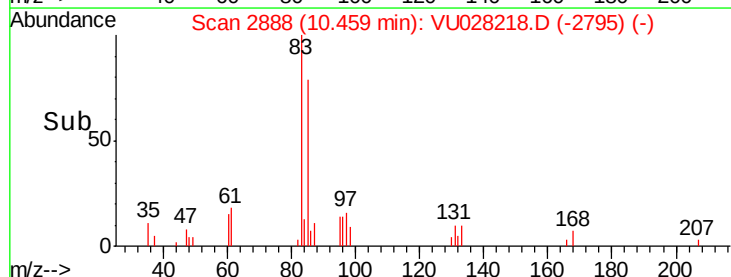
131 9.8 6.2 9.2#

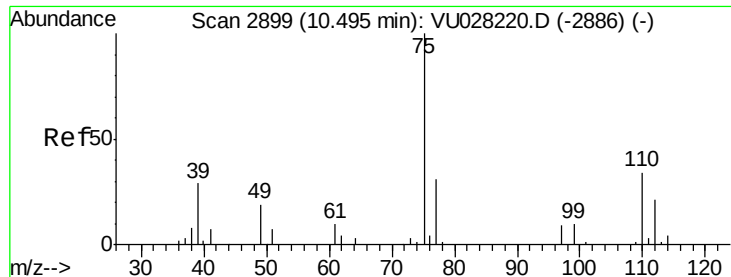


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.559 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

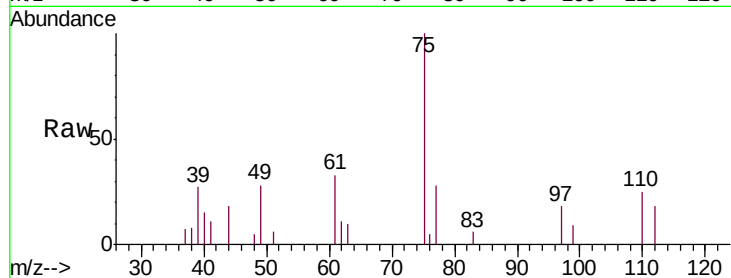
VSTD0.514

Tgt Ion: 75 Resp: 4767

Ion Ratio Lower Upper

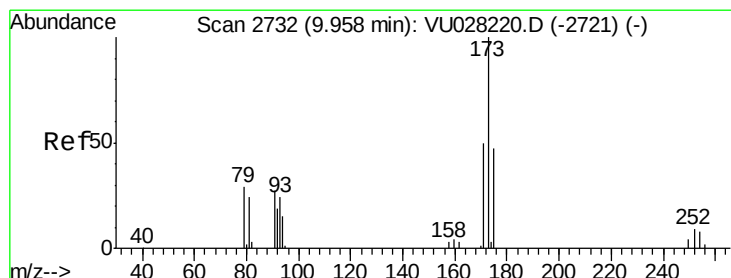
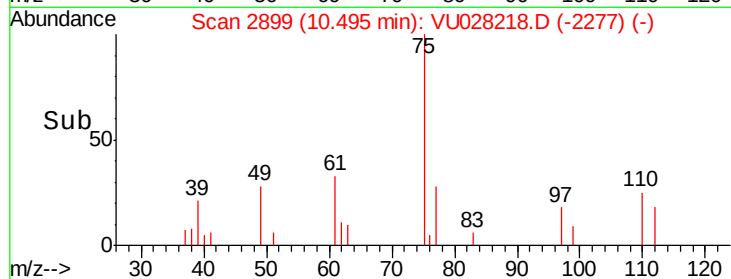
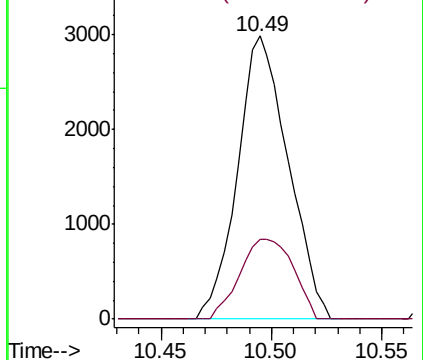
75 100

77 29.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU028220.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028220.D (-2886) (-)



#61

Bromoform

Concen: 0.485 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

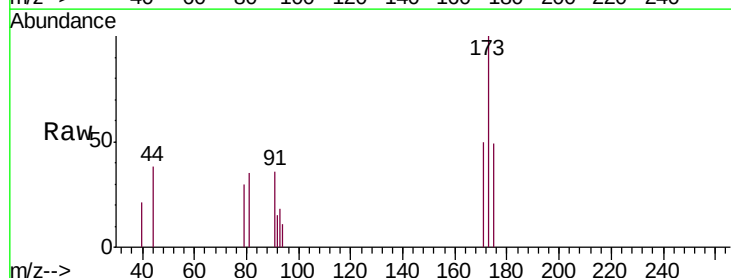
Tgt Ion: 173 Resp: 2101

Ion Ratio Lower Upper

173 100

175 58.3 38.7 58.1#

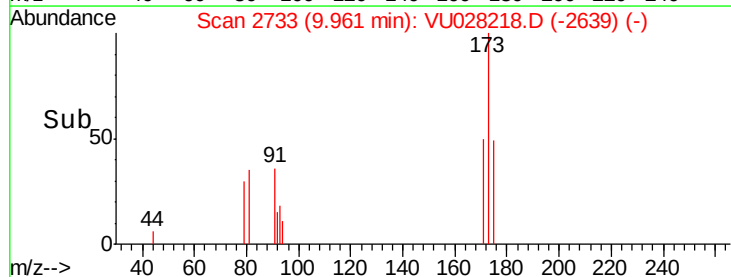
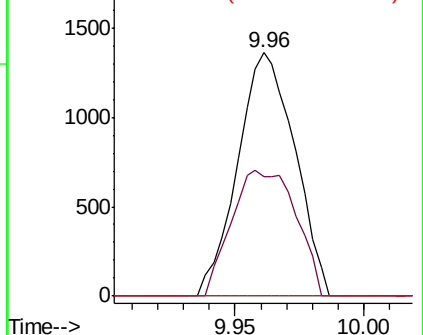
254 0.0 6.6 10.0#

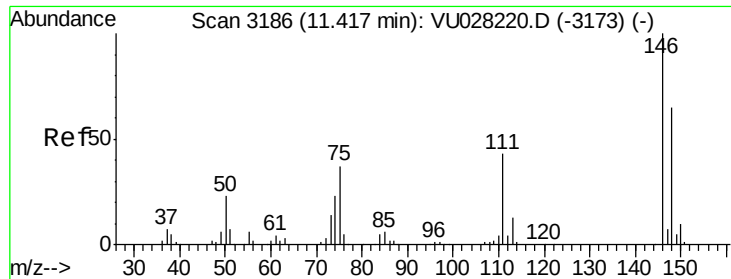


Abundance Ion 172.90 (172.60 to 173.60): VU028220.D (-2721) (-)

Ion 174.90 (174.60 to 175.60): VU028220.D (-2721) (-)

Ion 253.75 (253.45 to 254.45): VU028220.D (-2721) (-)

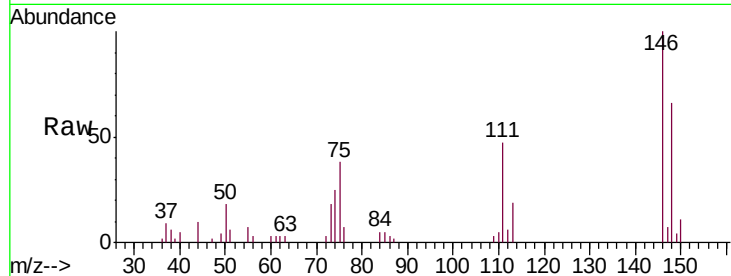




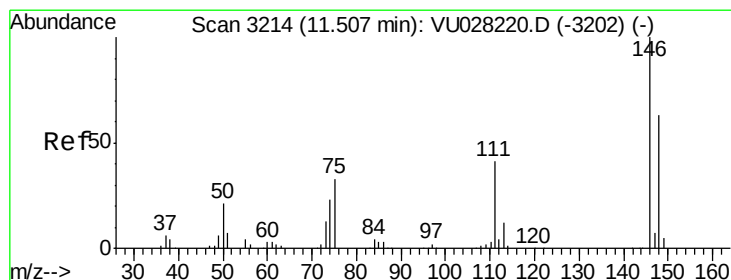
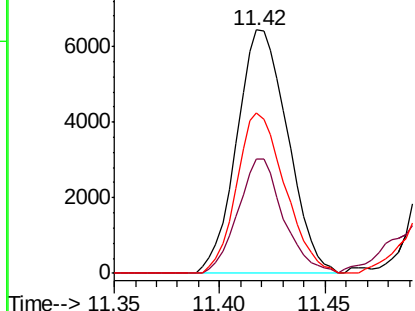
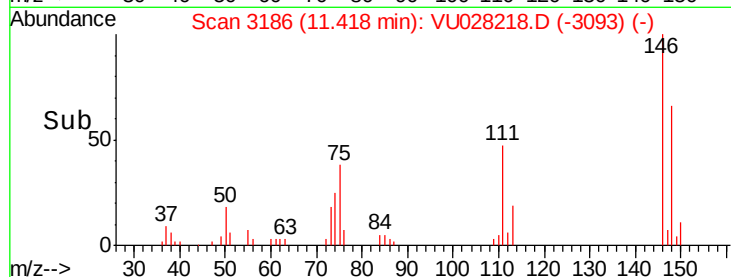
#62
 1,3-Dichlorobenzene
 Concen: 0.520 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.514

Tgt Ion:146 Resp: 10802
 Ion Ratio Lower Upper
 146 100
 111 46.8 30.4 56.4
 148 65.8 45.3 84.1

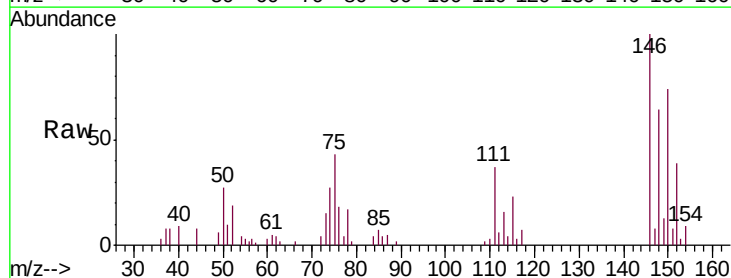


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

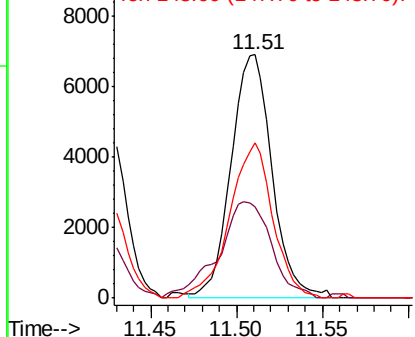
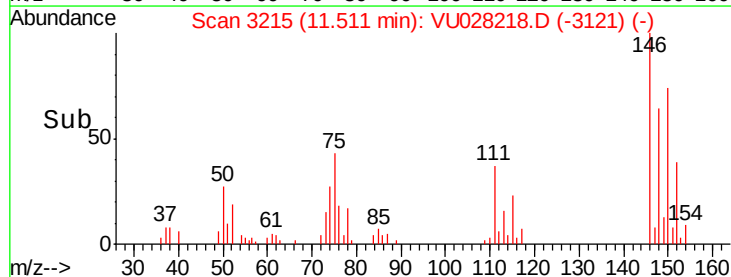


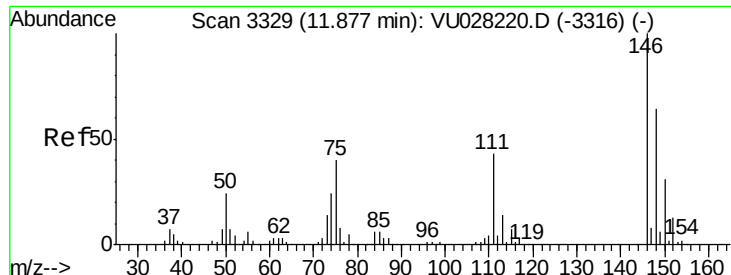
#63
 1,4-Dichlorobenzene
 Concen: 0.540 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion:146 Resp: 11450
 Ion Ratio Lower Upper
 146 100
 111 37.5 28.9 53.7
 148 63.7 44.5 82.7



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





#65

1,2-Dichlorobenzene

Concen: 0.559 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.514

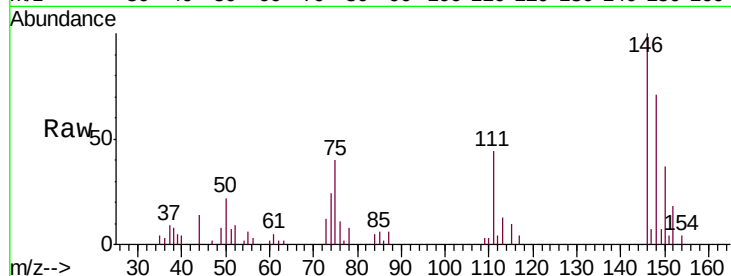
Tgt Ion: 146 Resp: 11390

Ion Ratio Lower Upper

146 100

111 43.7 34.7 52.1

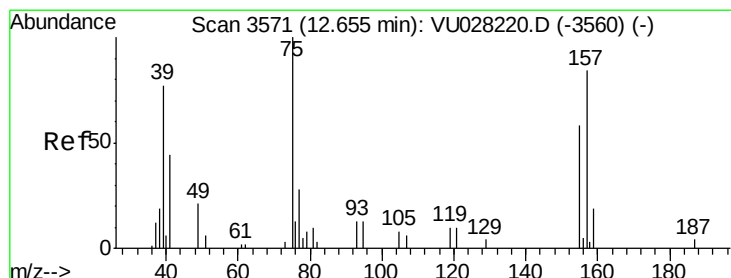
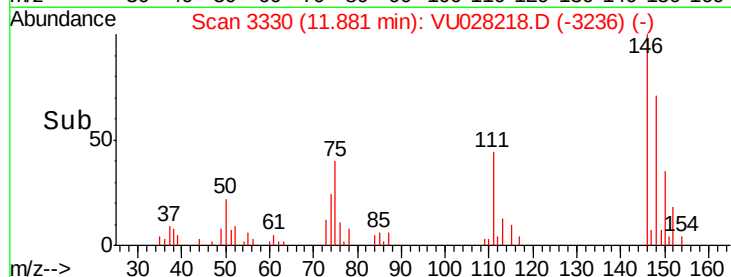
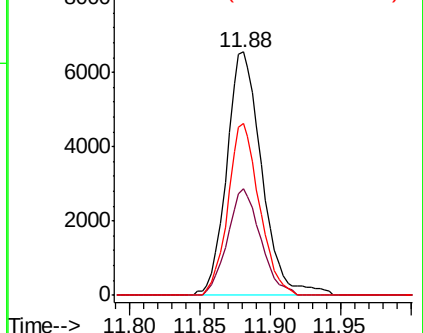
148 70.5 51.2 76.8



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: 0.539 ug/L

RT: 12.67 min Scan# 3574

Delta R.T. 0.01 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

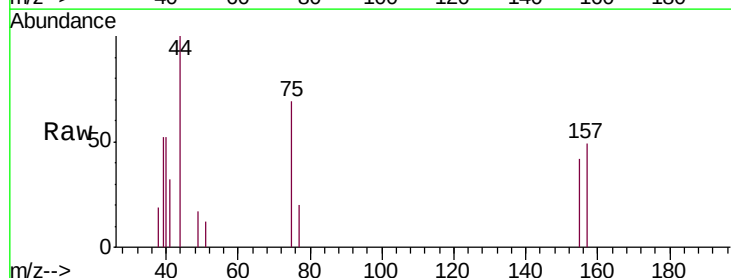
Tgt Ion: 75 Resp: 856

Ion Ratio Lower Upper

75 100

155 60.9 46.1 69.1

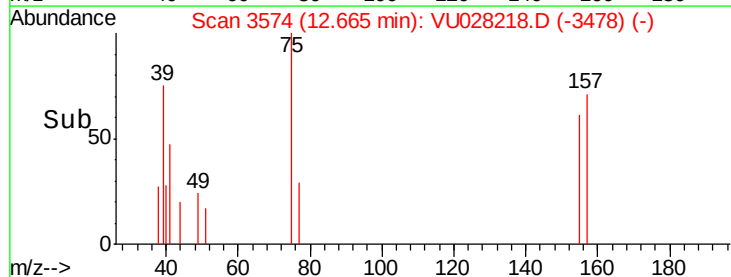
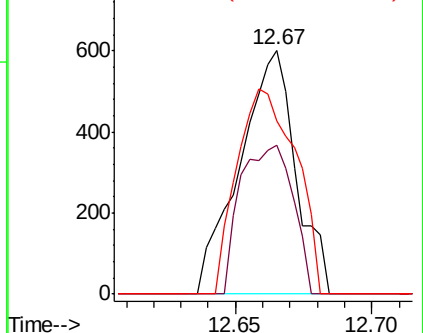
157 71.0 67.0 100.6

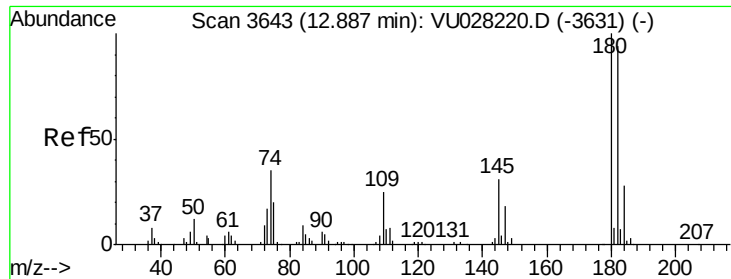


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

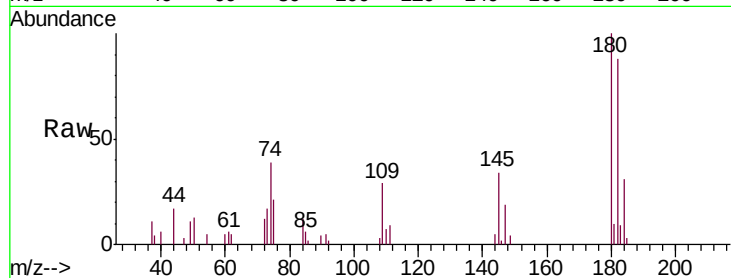




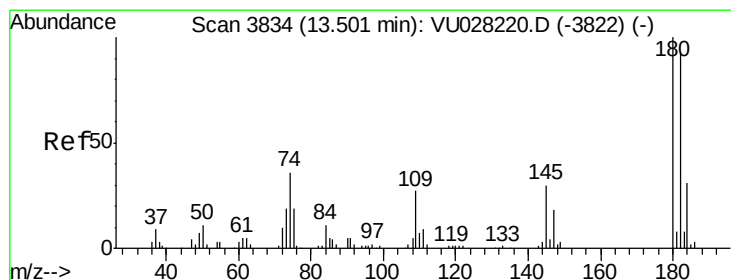
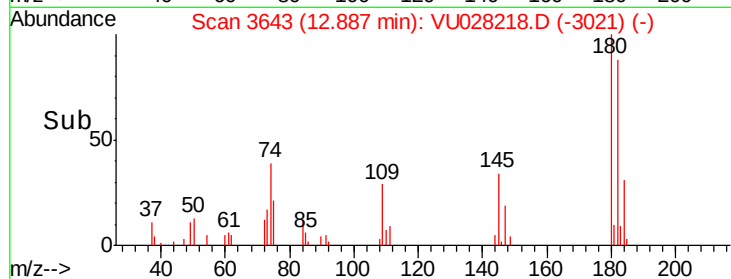
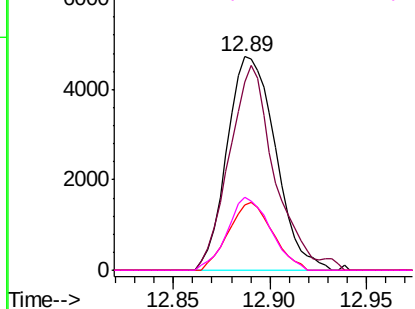
#67
 1,3,5-Trichlorobenzene
 Concen: 0.518 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.514

Tgt Ion:180 Resp: 8240
 Ion Ratio Lower Upper
 180 100
 182 90.0 77.5 116.3
 184 28.9 23.7 35.5
 145 30.3 24.2 36.4

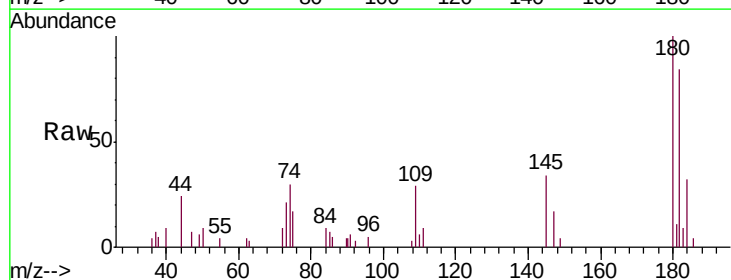


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

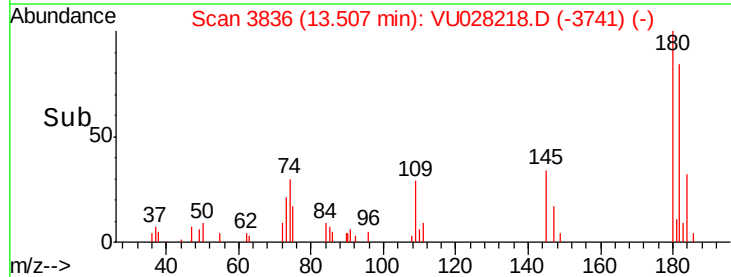
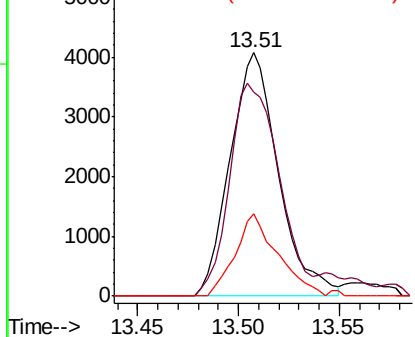


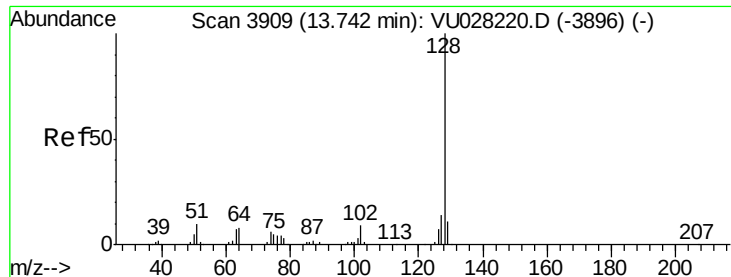
#68
 1,2,4-trichlorobenzene
 Concen: 0.515 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028218.D
 Acq: 17 Nov 2018 11:45

Tgt Ion:180 Resp: 6834
 Ion Ratio Lower Upper
 180 100
 182 89.3 75.4 113.2
 145 29.8 24.5 36.7



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: 0.493 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.514

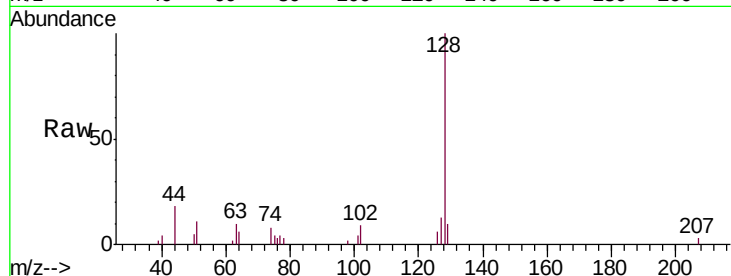
Tgt Ion:128 Resp: 11639

Ion Ratio Lower Upper

128 100

129 8.6 8.6 12.8

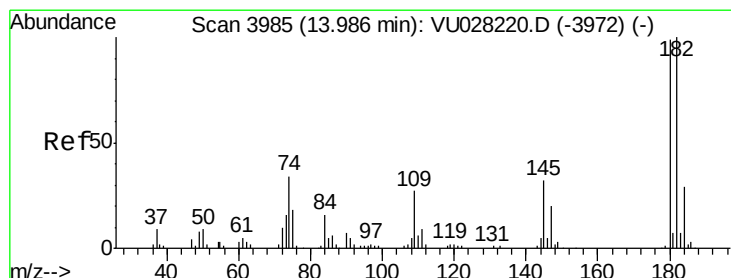
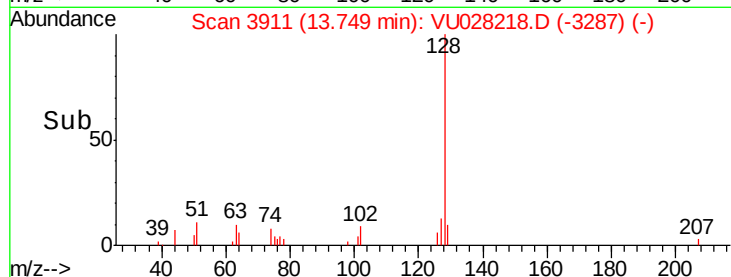
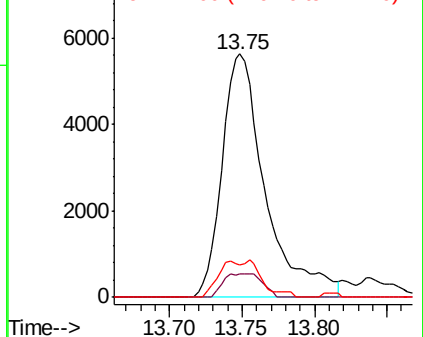
127 7.7 10.7 16.1#



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: 0.508 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU028218.D

Acq: 17 Nov 2018 11:45

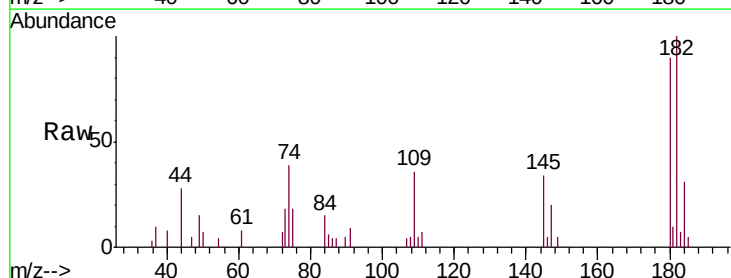
Tgt Ion:180 Resp: 6395

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 31.0 25.7 38.5



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

