

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025981.D
 Acq On : 08 Aug 2018 20:30
 Operator : MD/SY
 Sample : VSTD10045
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

Quant Time: Aug 09 01:28:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:26:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	323247	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310145	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162364	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	230156	122.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	181499	126.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	443049	119.66	ug/L	0.00
21) 2-Butanone-d5	4.17	46	397688	292.69	ug/L	0.00
24) Chloroform-d	4.65	84	494564	131.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	327065	131.81	ug/L	0.00
32) Benzene-d6	5.34	84	951619	129.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	304747	132.15	ug/L	0.00
41) Toluene-d8	7.57	98	921764	129.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	159255	132.95	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	302100	306.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	456601	140.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	390911	134.22	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	277860	109.891	ug/L	100
3) Chloromethane	1.33	50	243447	113.227	ug/L	100
5) Vinyl chloride	1.40	62	241006	106.008	ug/L	99
6) Bromomethane	1.61	94	141760	133.431	ug/L	98
8) Chloroethane	1.69	64	140606	107.002	ug/L	97
9) Trichlorofluoromethane	1.88	101	341596	105.084	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	199787	108.436	ug/L	98
12) 1,1-Dichloroethene	2.28	96	184180	109.672	ug/L	93
13) Acetone	2.32	43	230017	162.752	ug/L	99
14) Carbon disulfide	2.47	76	606953	103.049	ug/L	100
15) Methyl Acetate	2.62	43	252370	110.317	ug/L	98
16) Methylene chloride	2.70	84	224051	104.063	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	205538	101.750	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	683487	105.988	ug/L	99
19) 1,1-Dichloroethane	3.45	63	396183	107.226	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	238326	105.393	ug/L	99
22) 2-Butanone	4.26	43	359166	199.031	ug/L	100
23) Bromochloromethane	4.55	128	125893	105.176	ug/L	96
25) Chloroform	4.68	83	413828	105.673	ug/L	99
27) 1,2-Dichloroethane	5.41	62	342155	108.749	ug/L	100
29) Cyclohexane	5.00	56	352026	106.383	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	374984	104.486	ug/L	100
31) Carbon tetrachloride	5.14	117	347363	107.704	ug/L	98
33) Benzene	5.39	78	869596	105.718	ug/L	100
34) Trichloroethene	6.19	95	226366	99.843	ug/L	98
35) Methylcyclohexane	6.42	83	364284	105.844	ug/L	99
37) 1,2-Dichloropropane	6.44	63	236811	107.534	ug/L	100
38) Bromodichloromethane	6.76	83	322640	108.056	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	380166	106.603	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	684946	226.955	ug/L	99

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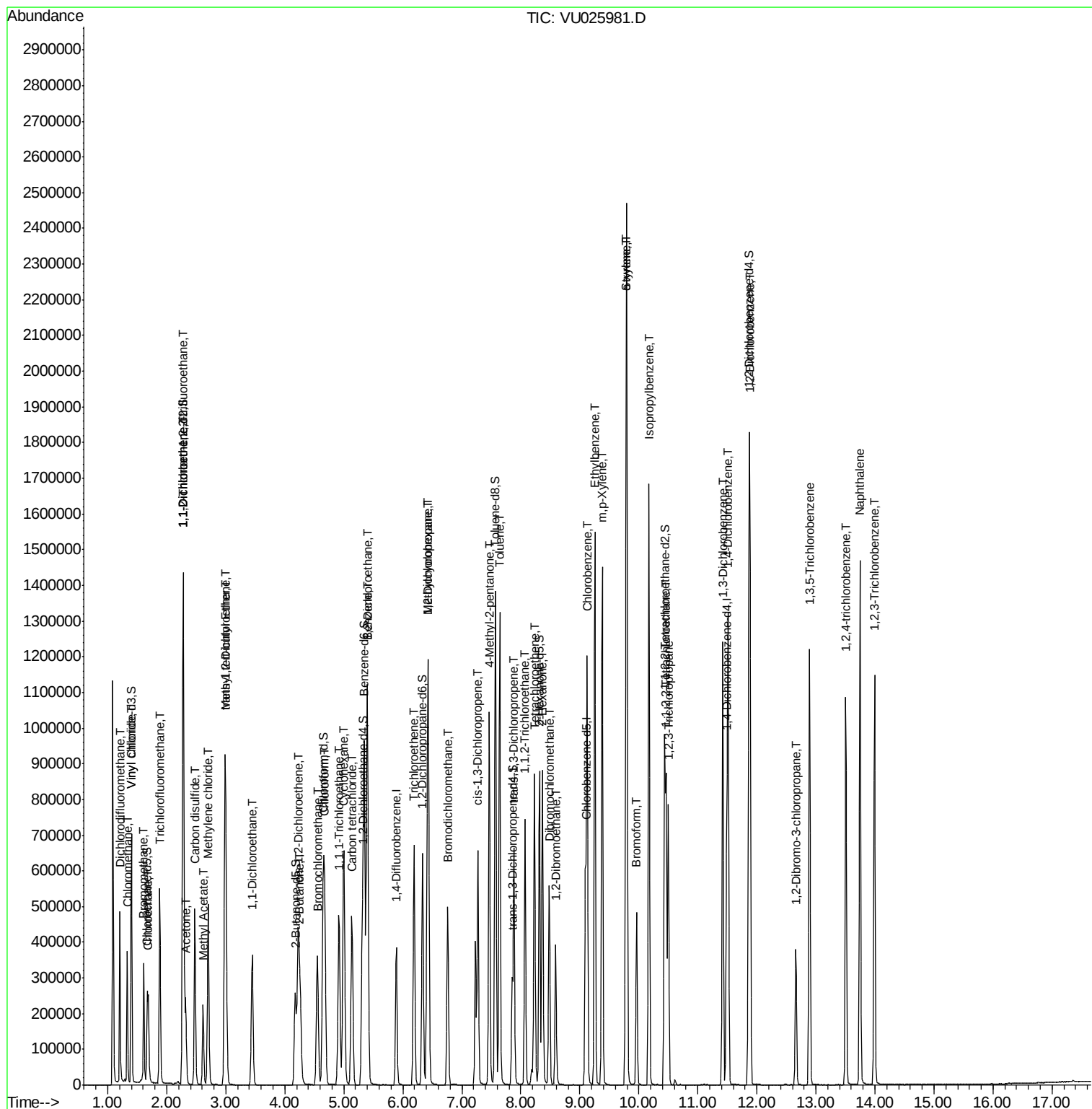
Quant Time: Aug 09 01:28:00 2018
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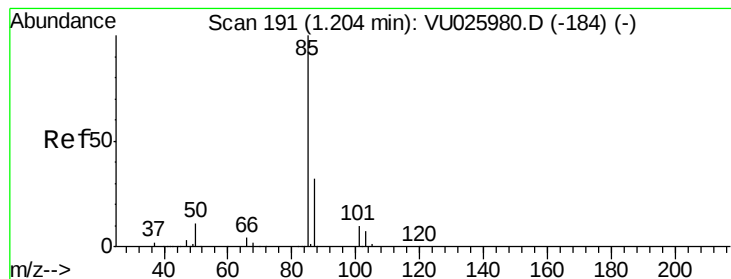
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	953119	106.418	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	363219	108.463	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	228036	107.788	ug/L	98
46) Tetrachloroethene	8.23	164	195248	100.696	ug/L	98
48) 2-Hexanone	8.36	43	538373	222.899	ug/L	99
49) Dibromochloromethane	8.48	129	284451	110.240	ug/L	100
50) 1,2-Dibromoethane	8.59	107	247863	105.687	ug/L	99
51) Chlorobenzene	9.12	112	634066	103.841	ug/L	99
52) Ethylbenzene	9.25	91	1060540	105.011	ug/L	99
53) m,p-Xylene	9.38	106	409143	103.177	ug/L	99
54) o-xylene	9.78	106	411258	108.663	ug/L	97
55) Styrene	9.80	104	704713	110.739	ug/L	99
56) Isopropylbenzene	10.17	105	1071265	106.678	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	389244	109.259	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	310163	110.398	ug/L	99
61) Bromoform	9.96	173	216798	114.039	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	502452	103.344	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	511402	102.700	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	528588	107.035	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	92487	120.372	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	384056	106.647	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	333450	108.214	ug/L	100
69) Naphthalene	13.75	128	1145021	122.852	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	359833	111.662	ug/L	99

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

```
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#2

Dichlorodifluoromethane

Concen: 109.891 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

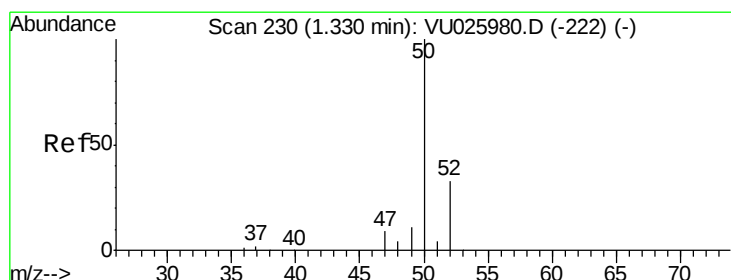
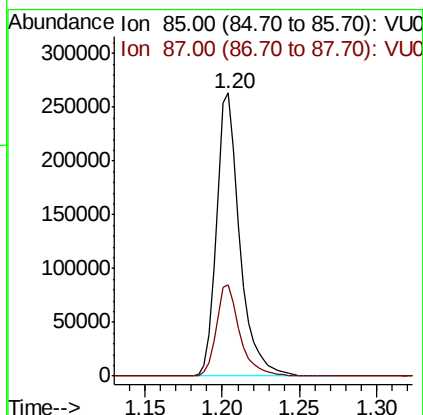
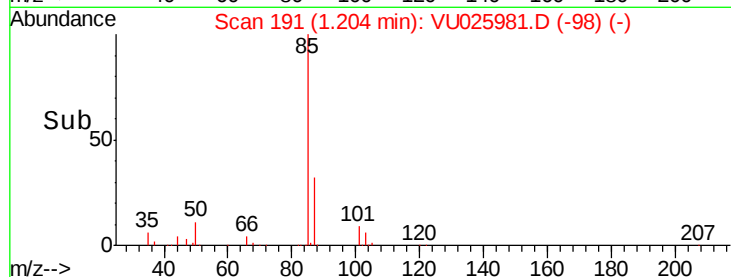
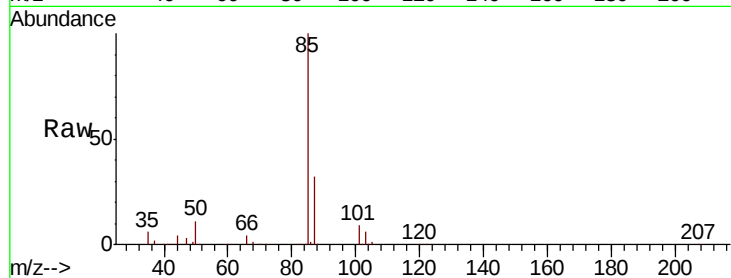
VSTD10045

Tgt Ion: 85 Resp: 277860

Ion Ratio Lower Upper

85 100

87 32.4 26.1 39.1



#3

Chloromethane

Concen: 113.227 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025981.D

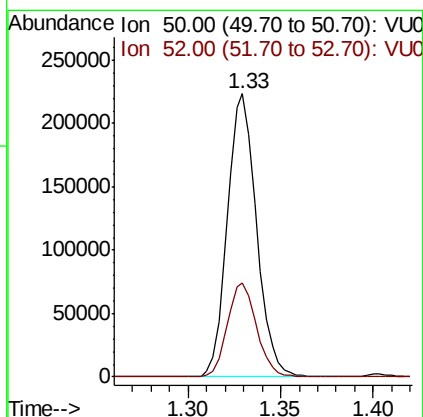
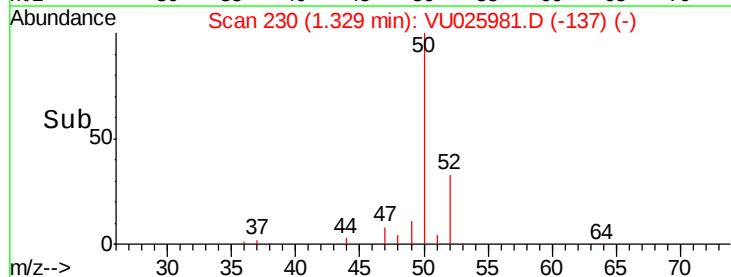
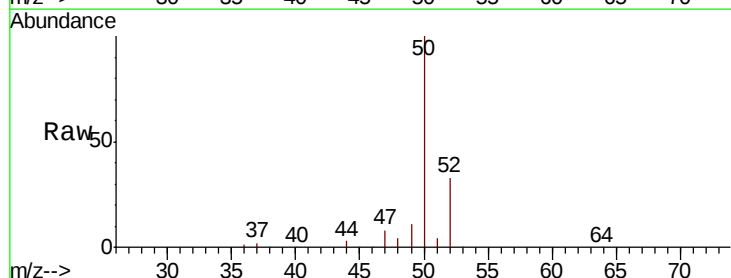
Acq: 08 Aug 2018 20:30

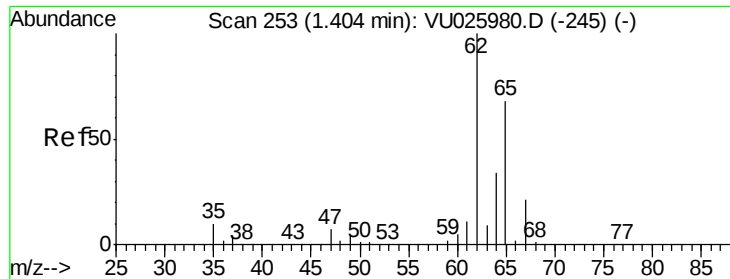
Tgt Ion: 50 Resp: 243447

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 106.008 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

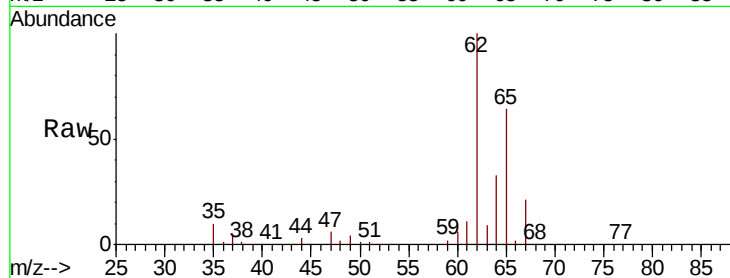
VSTD10045

Tgt Ion: 62 Resp: 241006

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

250000

200000

150000

100000

50000

0

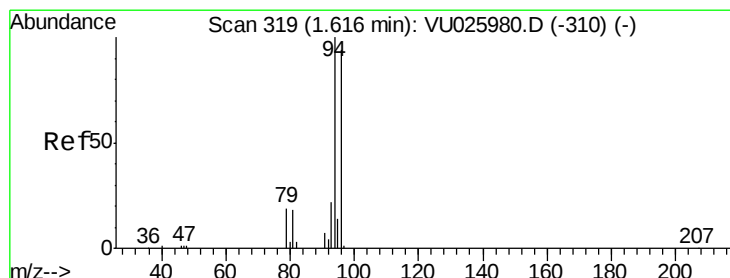
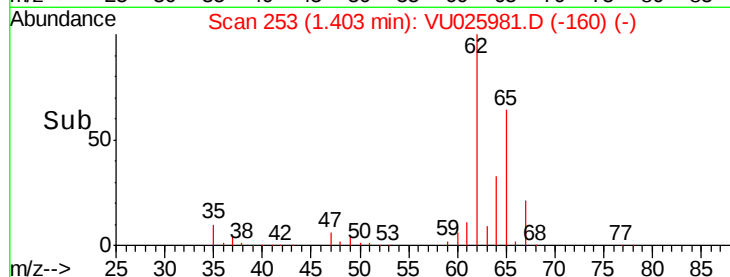
1.35

1.40

1.45

1.50

Time-->



#6

Bromomethane

Concen: 133.431 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025981.D

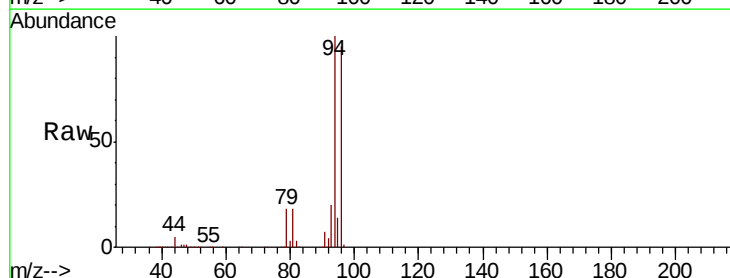
Acq: 08 Aug 2018 20:30

Tgt Ion: 94 Resp: 141760

Ion Ratio Lower Upper

94 100

96 95.2 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

50000

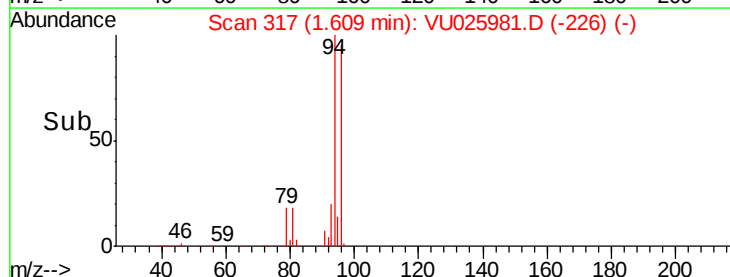
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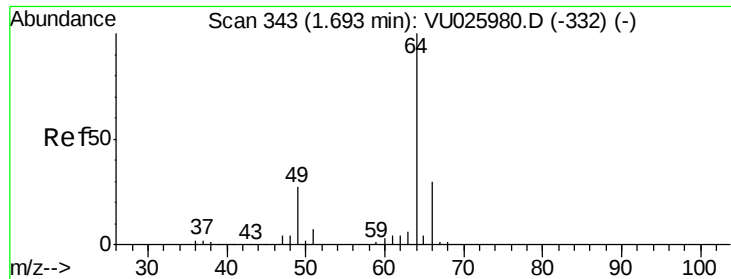
1.55

1.60

1.65

Time-->

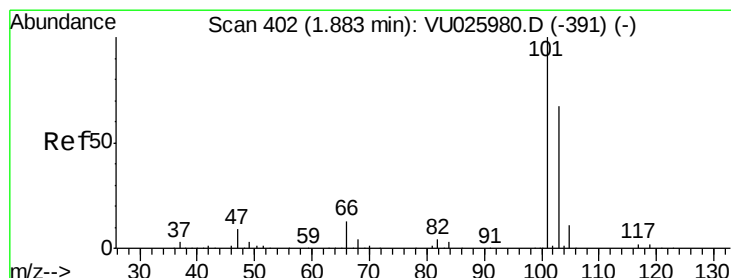
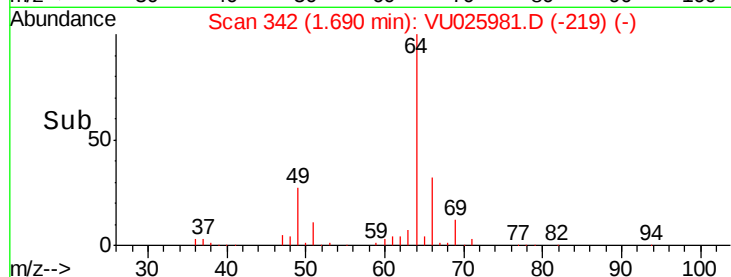
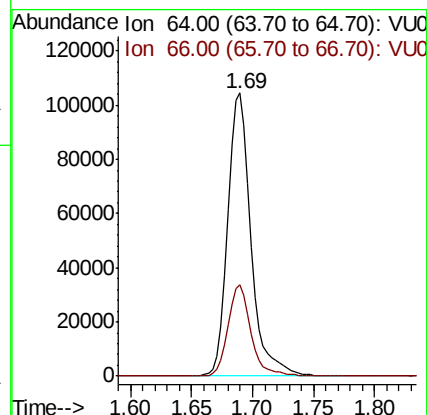
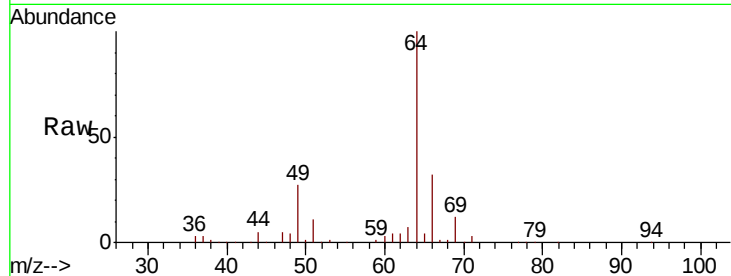




#8
Chloroethane
Concen: 107.002 ug/L
RT: 1.69 min Scan# 342
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

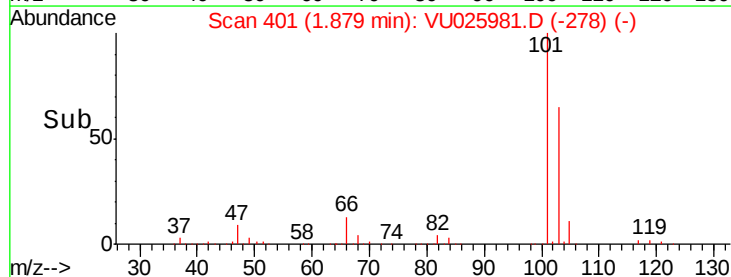
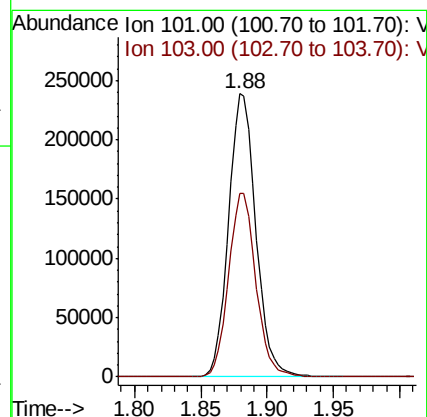
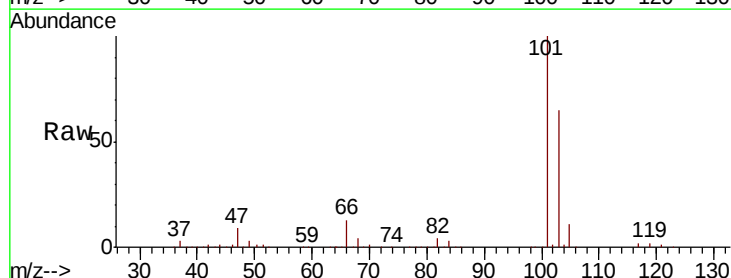
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

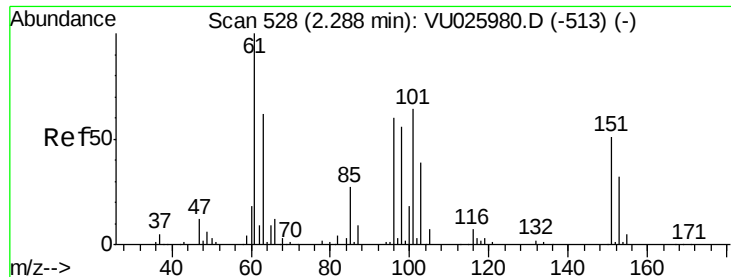
Tgt Ion: 64 Resp: 140606
Ion Ratio Lower Upper
64 100
66 32.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 105.084 ug/L
RT: 1.88 min Scan# 401
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion: 101 Resp: 341596
Ion Ratio Lower Upper
101 100
103 65.0 52.7 79.1





#10

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

Concen: 108.436 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

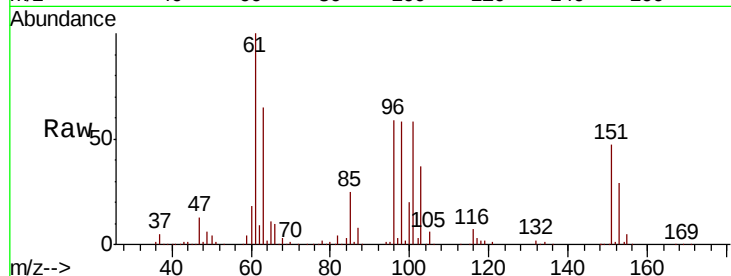
Tgt Ion: 101 Resp: 199787

Ion Ratio Lower Upper

101 100

85 43.1 36.0 54.0

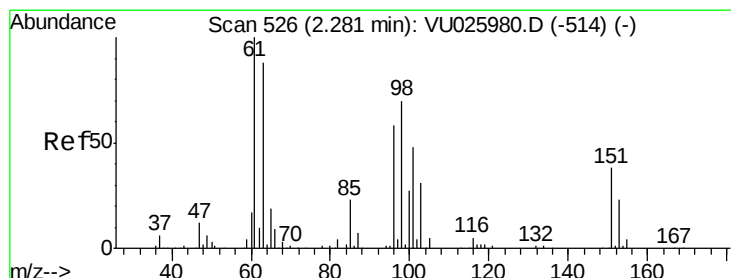
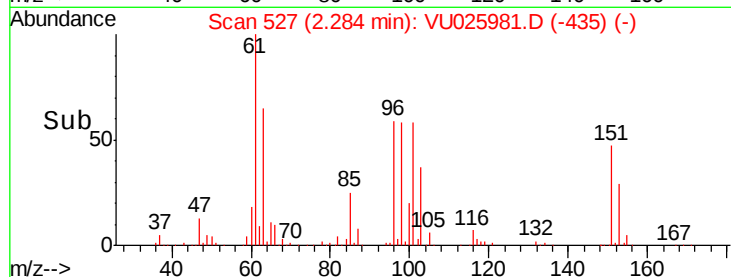
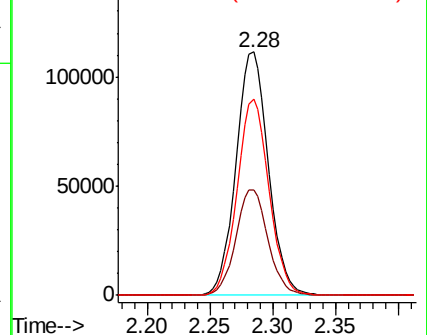
151 79.5 64.2 96.2



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: 109.672 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

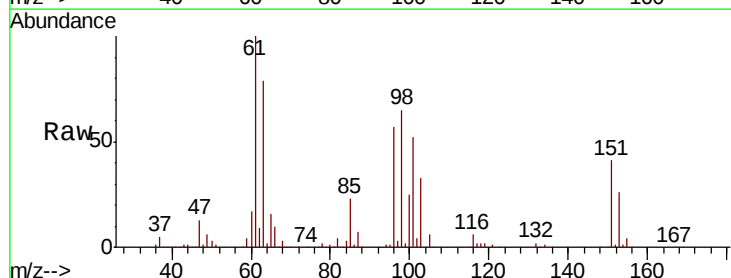
Tgt Ion: 96 Resp: 184180

Ion Ratio Lower Upper

96 100

61 175.5 121.2 225.2

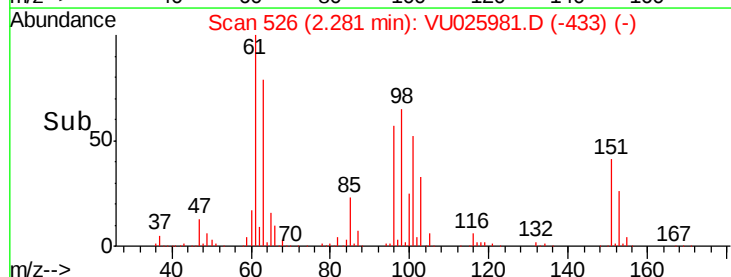
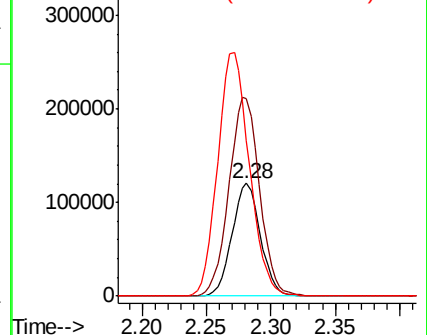
63 137.9 108.7 201.9

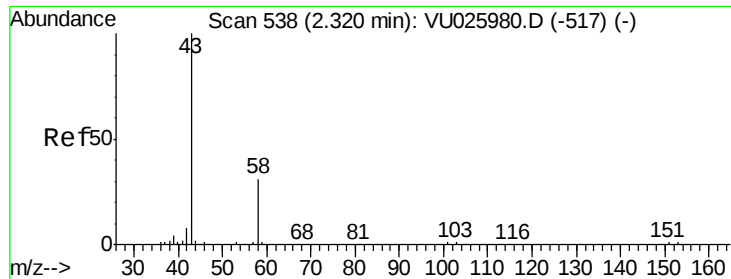


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 162.752 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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ClientSampleId :

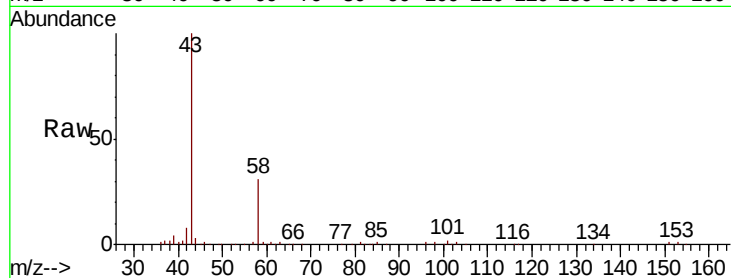
VSTD10045

Tgt Ion: 43 Resp: 230017

Ion Ratio Lower Upper

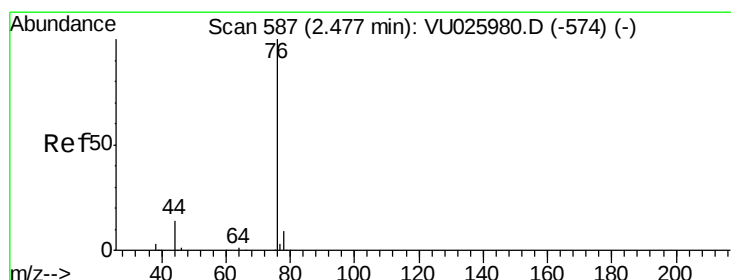
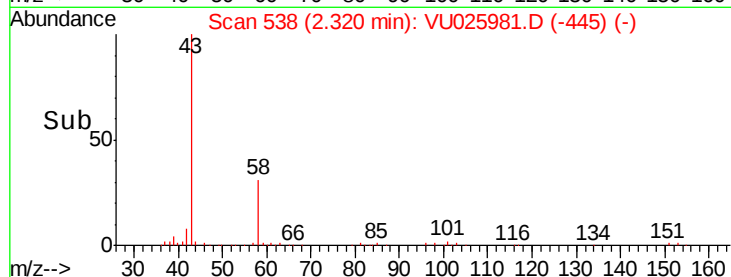
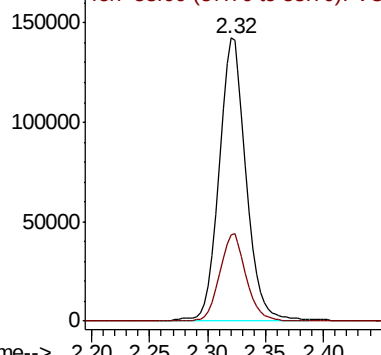
43 100

58 30.6 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 103.049 ug/L

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025981.D

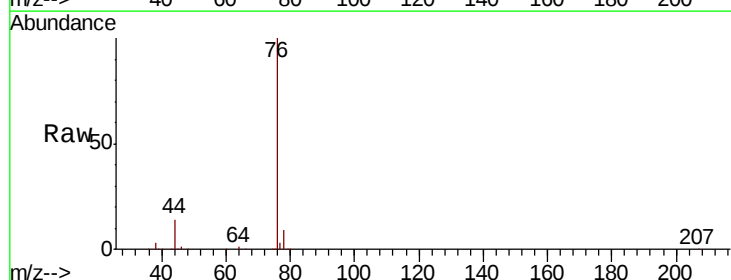
Acq: 08 Aug 2018 20:30

Tgt Ion: 76 Resp: 606953

Ion Ratio Lower Upper

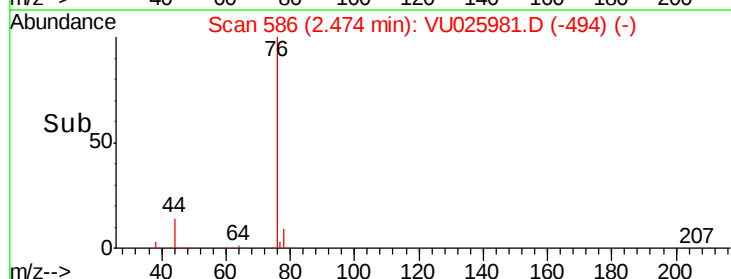
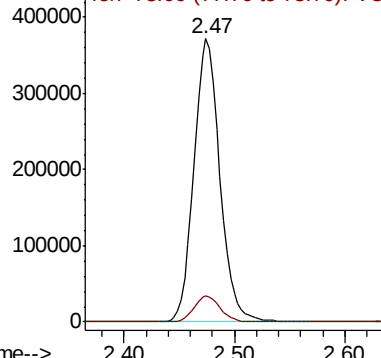
76 100

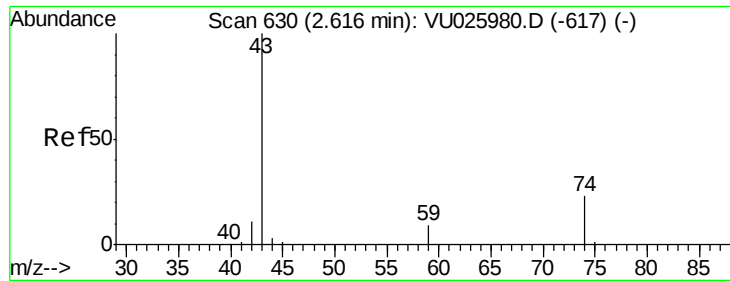
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

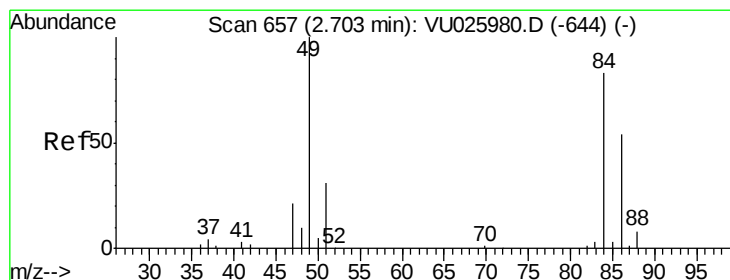
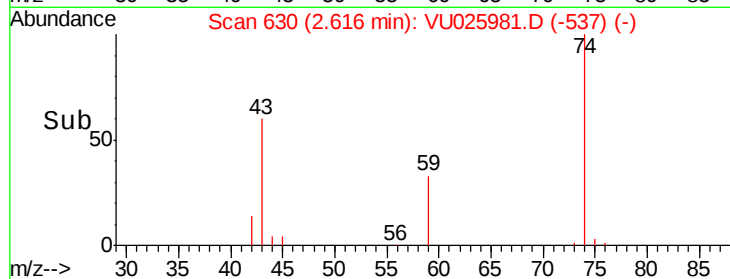
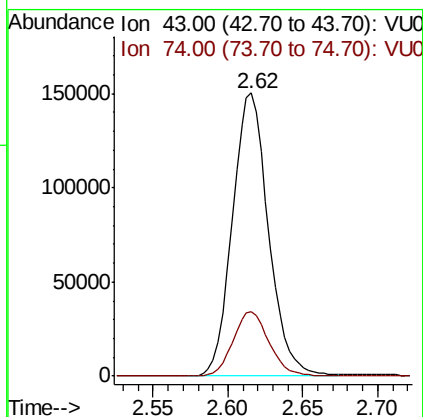
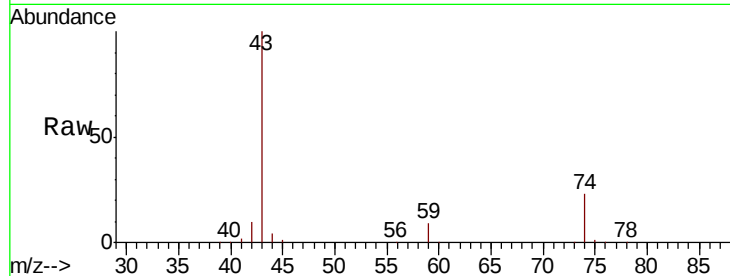




#15
Methyl Acetate
Concen: 110.317 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

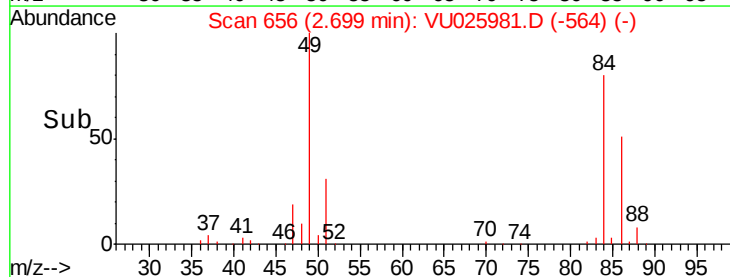
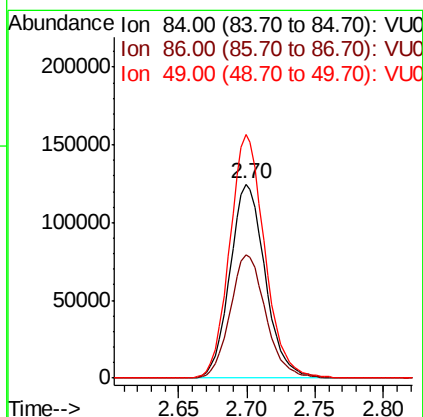
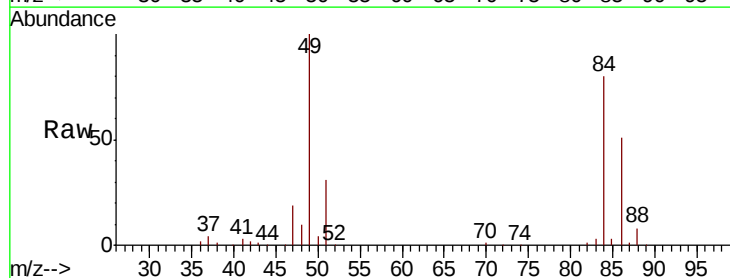
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

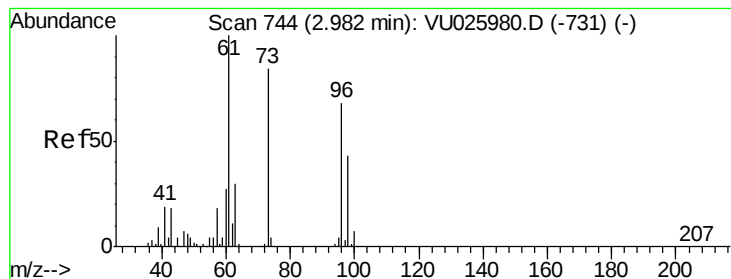
Tgt Ion: 43 Resp: 252370
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#16
Methylene chloride
Concen: 104.063 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion: 84 Resp: 224051
Ion Ratio Lower Upper
84 100
86 63.7 45.8 85.0
49 125.4 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 101.750 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

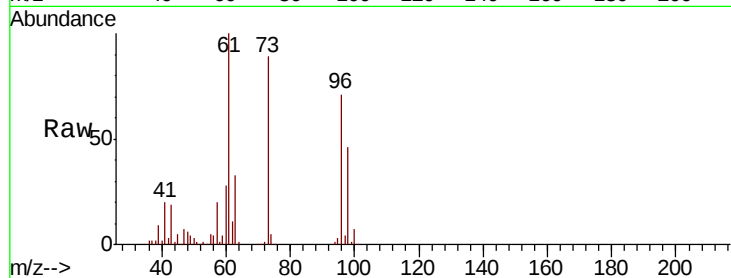
Tgt Ion: 96 Resp: 205538

Ion Ratio Lower Upper

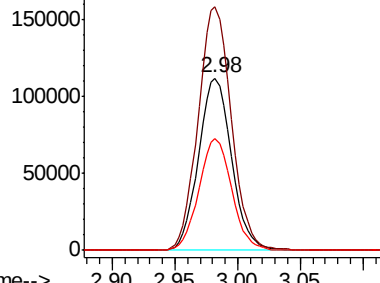
96 100

61 141.4 102.8 190.8

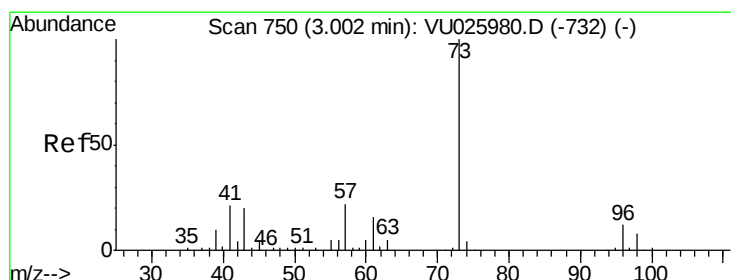
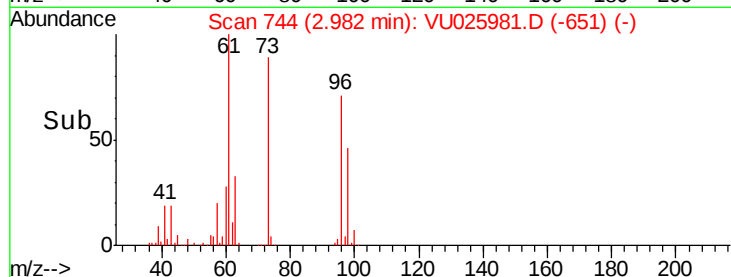
98 64.6 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



Time-->



#18

Methyl tert-butyl Ether

Concen: 105.988 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

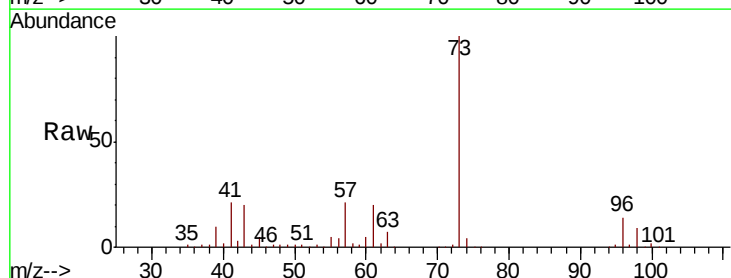
Tgt Ion: 73 Resp: 683487

Ion Ratio Lower Upper

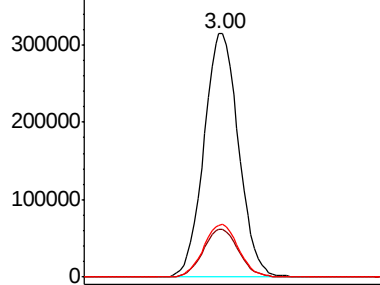
73 100

43 20.2 16.3 24.5

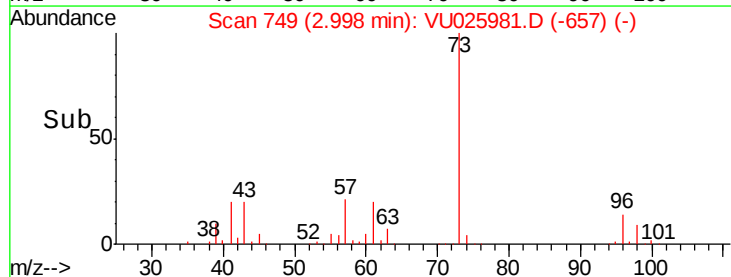
57 21.8 17.1 25.7

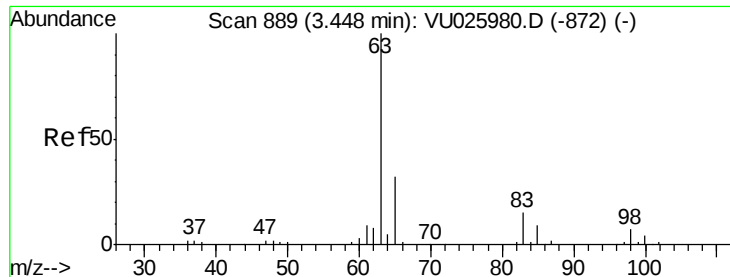


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



Time-->





#19

1,1-Dichloroethane

Concen: 107.226 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

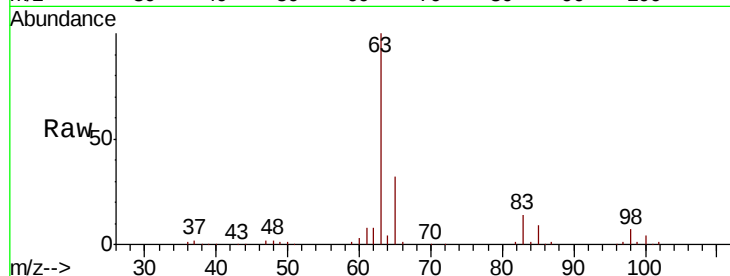
Tgt Ion: 63 Resp: 396183

Ion Ratio Lower Upper

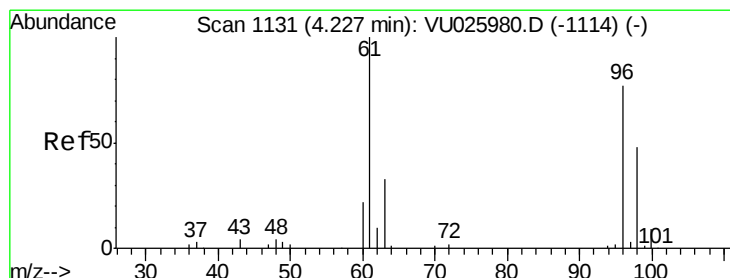
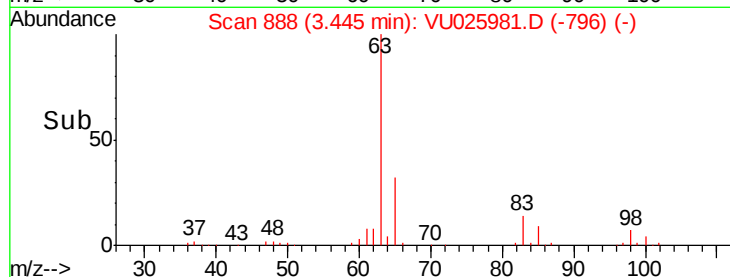
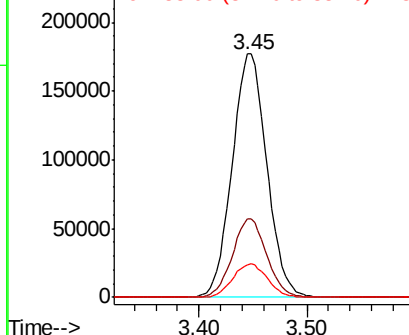
63 100

65 32.2 22.4 41.6

83 13.5 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 105.393 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

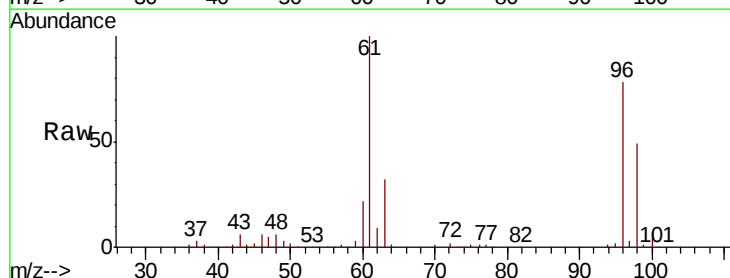
Tgt Ion: 96 Resp: 238326

Ion Ratio Lower Upper

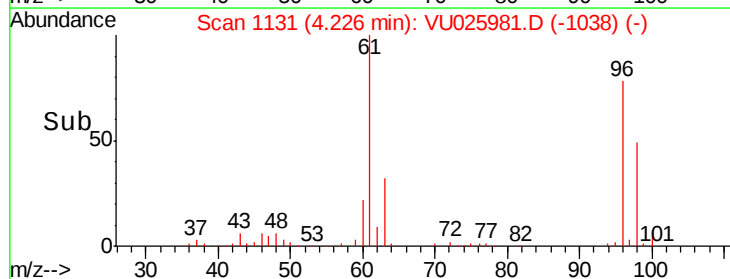
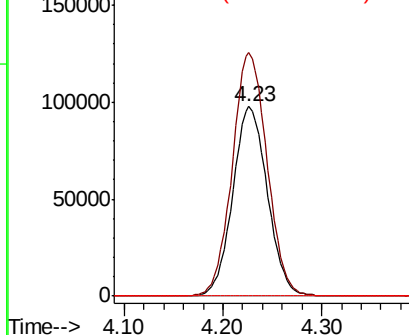
96 100

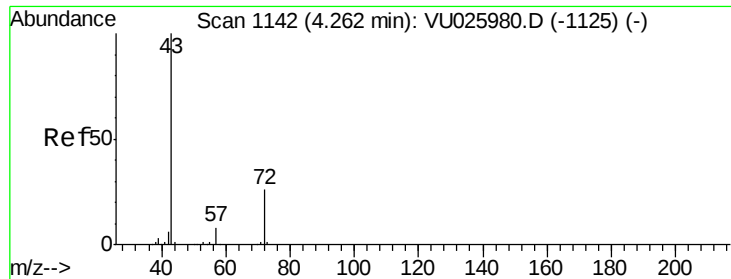
61 128.6 90.7 168.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 199.031 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

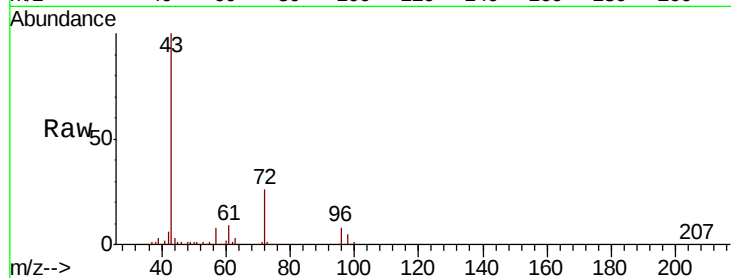
VSTD10045

Tgt Ion: 43 Resp: 359166

Ion Ratio Lower Upper

43 100

72 26.8 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025981.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU025981.D (-1049) (-)

4.26

150000

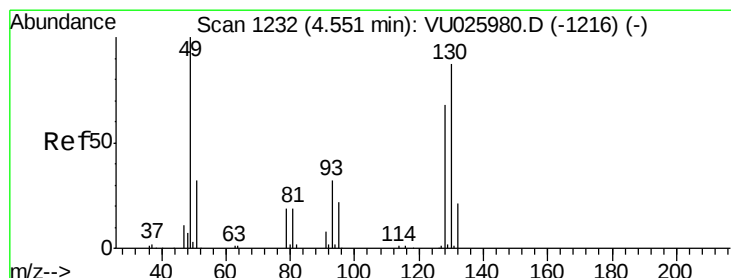
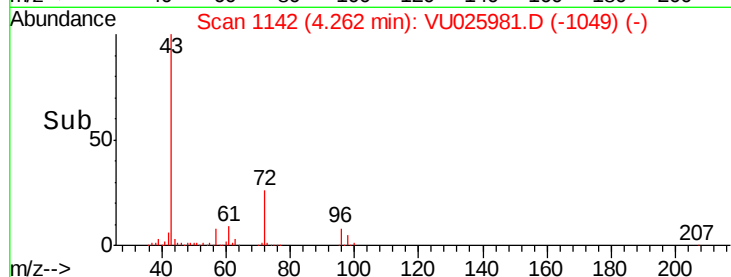
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 105.176 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Tgt Ion: 128 Resp: 125893

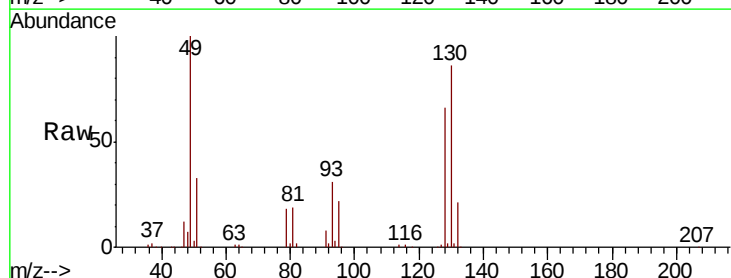
Ion Ratio Lower Upper

128 100

49 152.4 103.0 191.2

130 131.6 89.5 166.1

51 50.0 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU025981.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU025981.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU025981.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU025981.D (-1139) (-)

4.55

120000

100000

80000

60000

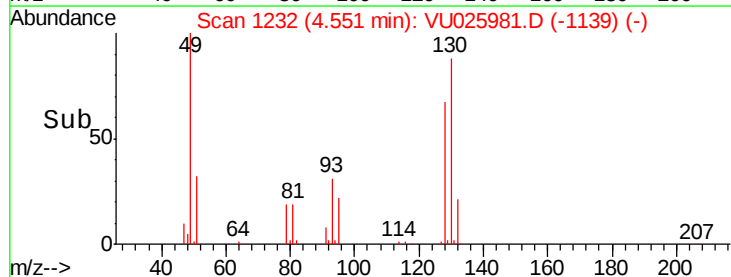
40000

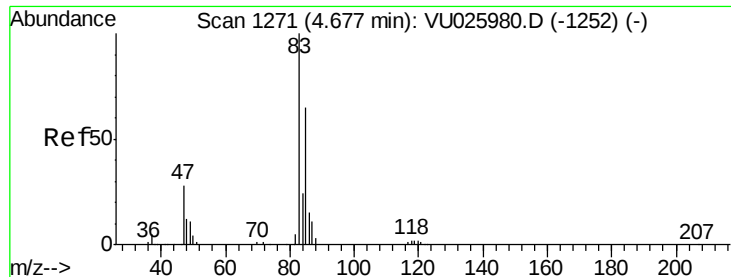
20000

0

4.50 4.60

Time-->





#25

Chloroform

Concen: 105.673 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

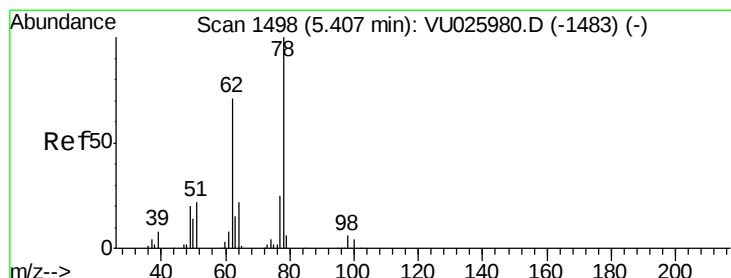
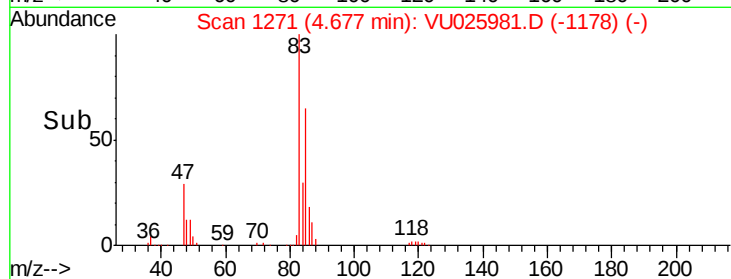
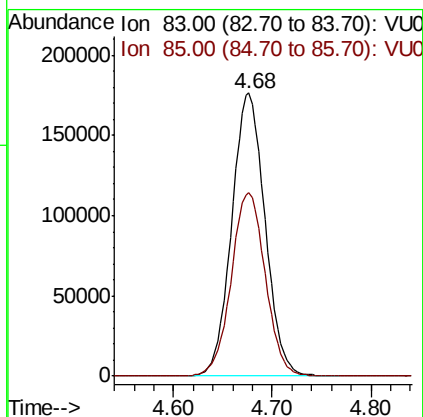
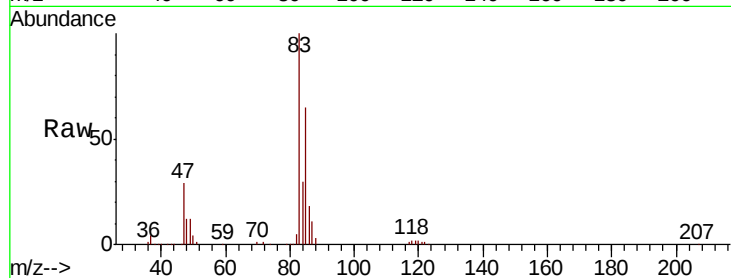
VSTD10045

Tgt Ion: 83 Resp: 413828

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3



#27

1,2-Dichloroethane

Concen: 108.749 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025981.D

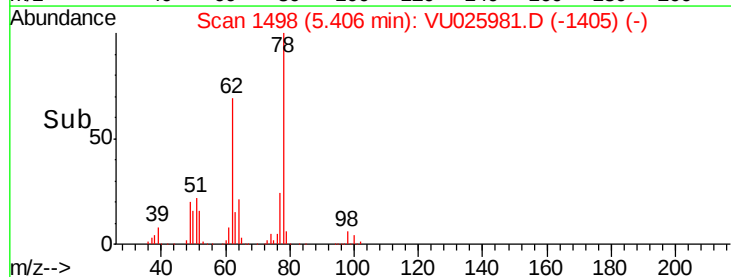
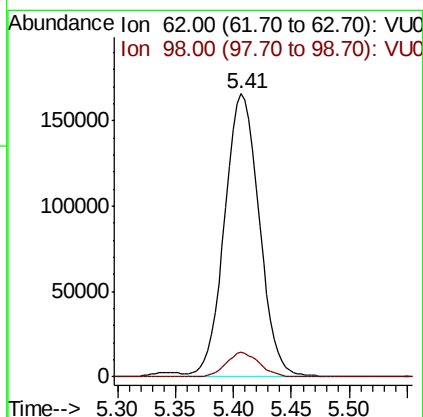
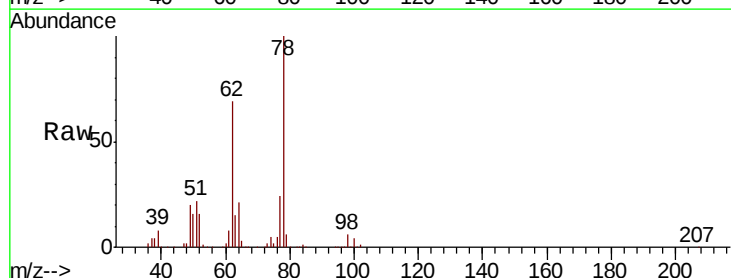
Acq: 08 Aug 2018 20:30

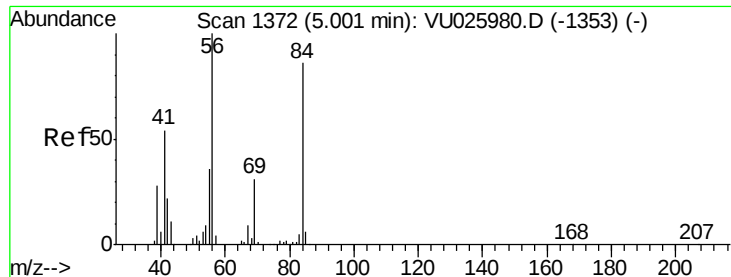
Tgt Ion: 62 Resp: 342155

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4

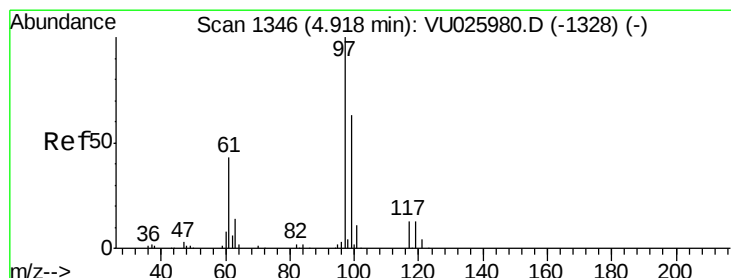
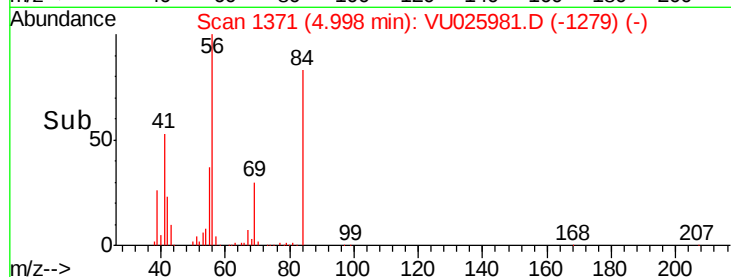
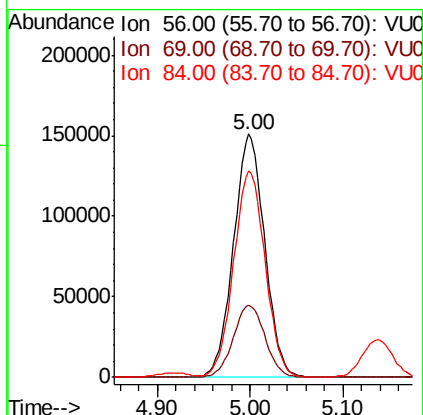
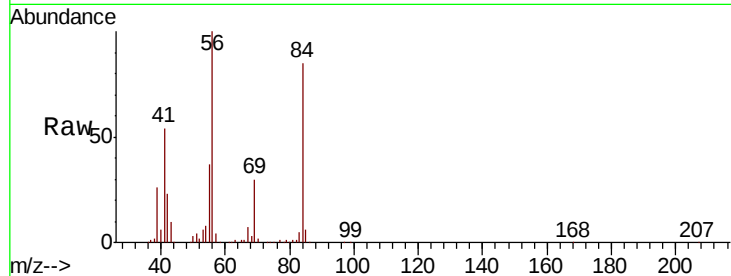




#29
Cyclohexane
Concen: 106.383 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

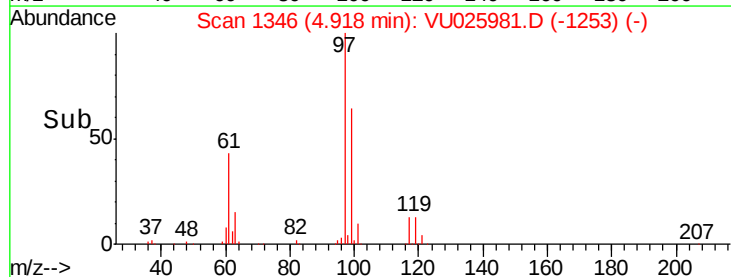
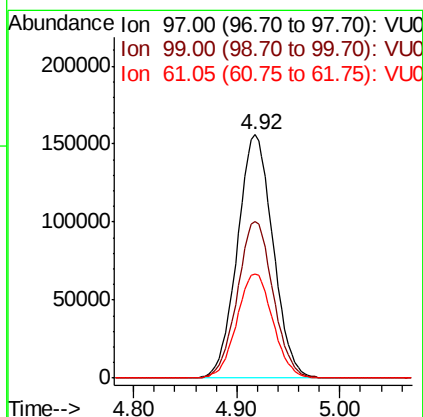
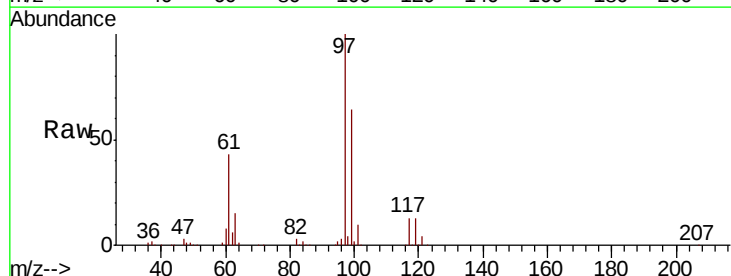
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

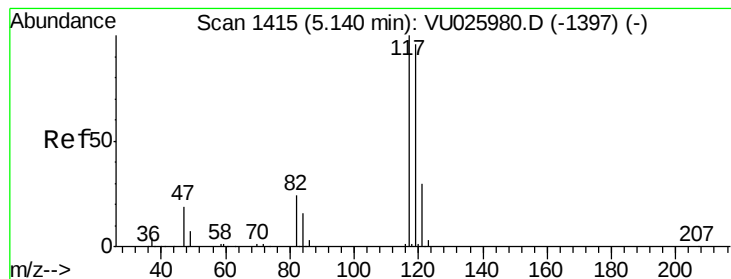
Tgt Ion: 56 Resp: 352026
Ion Ratio Lower Upper
56 100
69 30.2 24.6 37.0
84 86.0 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 104.486 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion: 97 Resp: 374984
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 43.2 34.7 52.1





#31

Carbon tetrachloride

Concen: 107.704 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

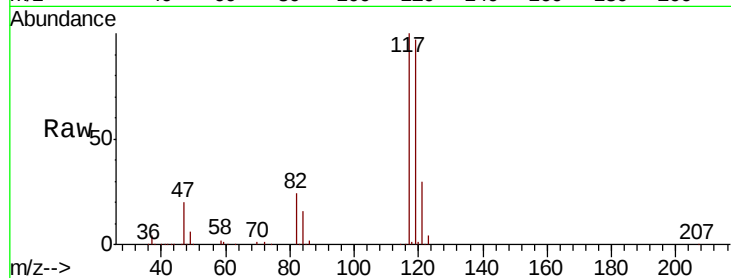
VSTD10045

Tgt Ion:117 Resp: 347363

Ion Ratio Lower Upper

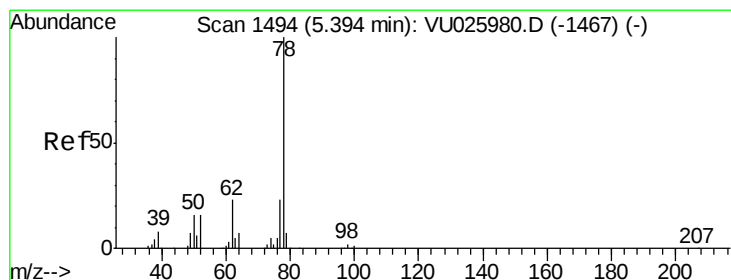
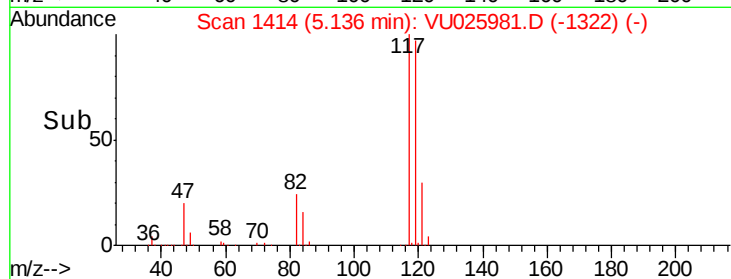
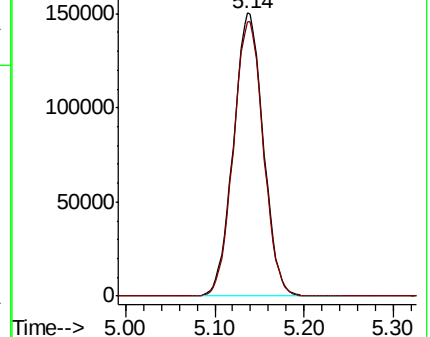
117 100

119 97.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 105.718 ug/L

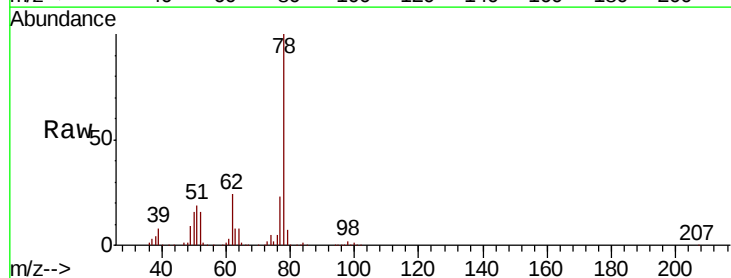
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

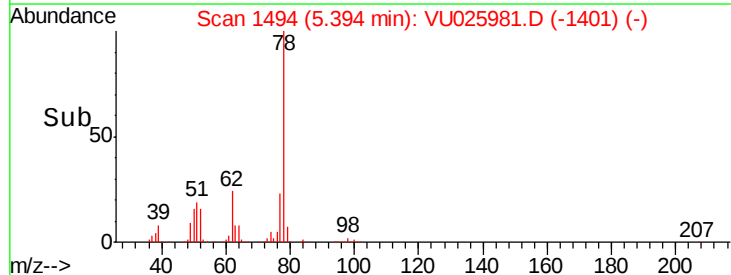
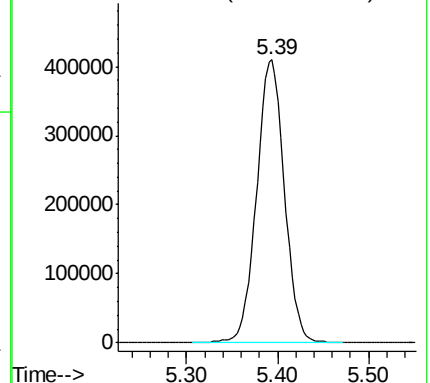
Lab File: VU025981.D

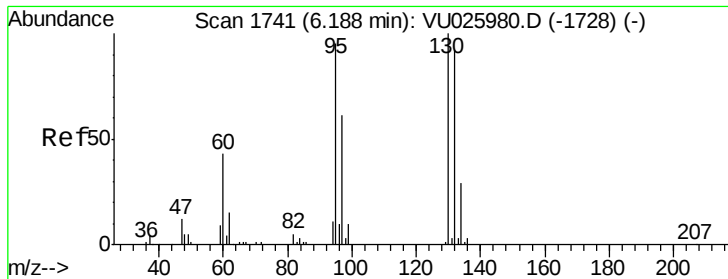
Acq: 08 Aug 2018 20:30

Tgt Ion: 78 Resp: 869596



Abundance Ion 78.00 (77.70 to 78.70): VU0

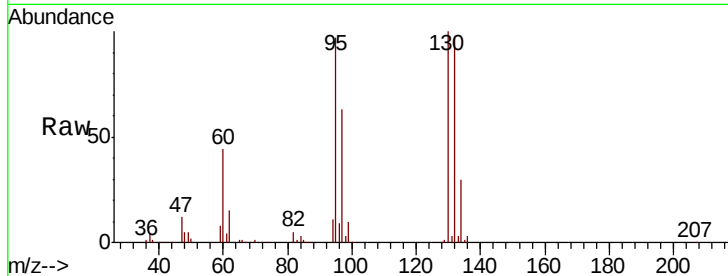




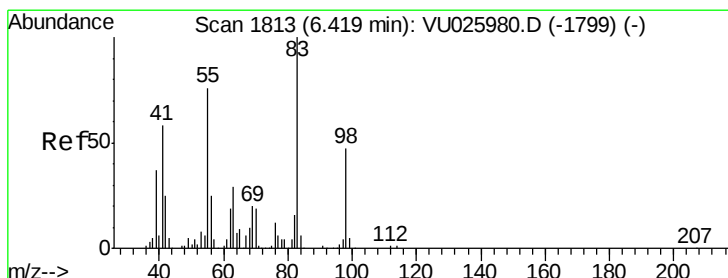
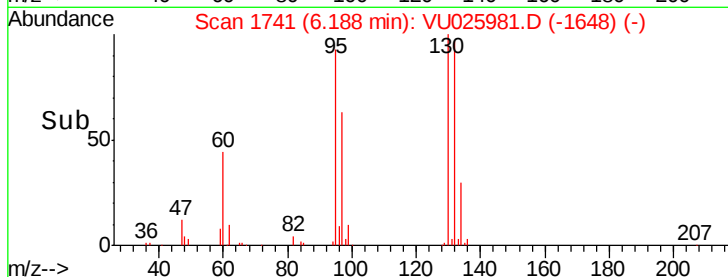
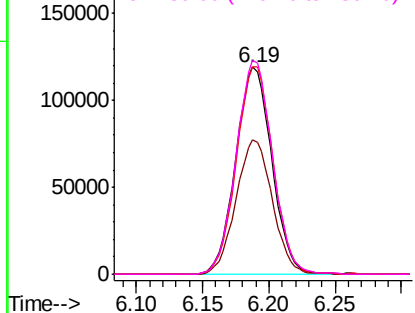
#34
 Trichloroethene
 Concen: 99.843 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

Tgt Ion:	95	Resp:	226366
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.2	84.0
132	100.2	68.2	126.6
130	103.0	73.8	137.2

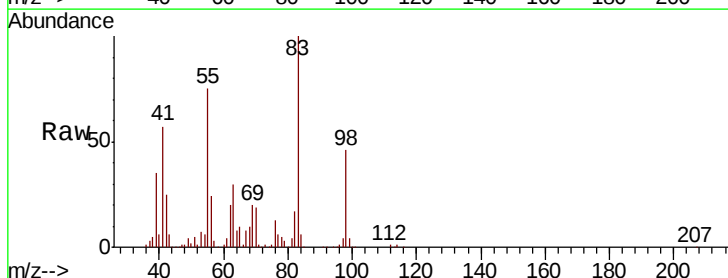


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

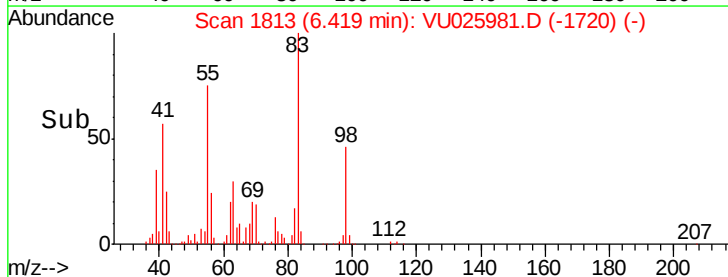
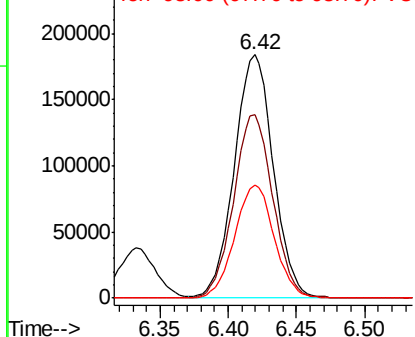


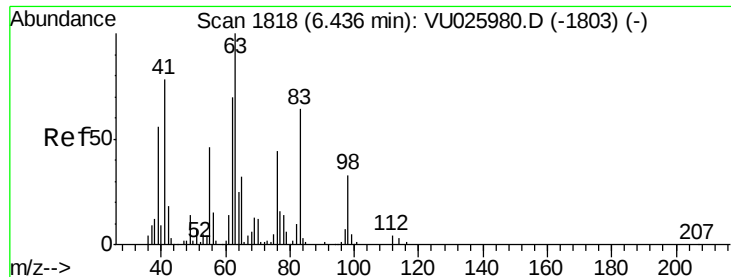
#35
 Methylcyclohexane
 Concen: 105.844 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Tgt Ion:	83	Resp:	364284
Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.6
98	47.1	38.1	57.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 107.534 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

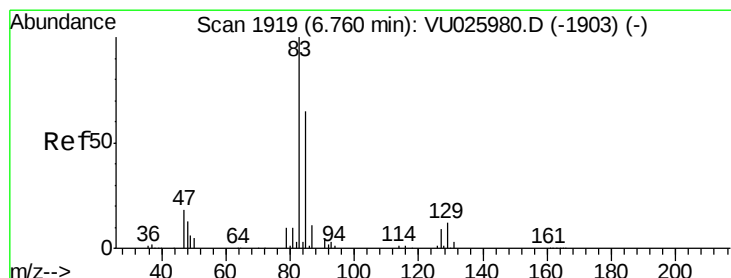
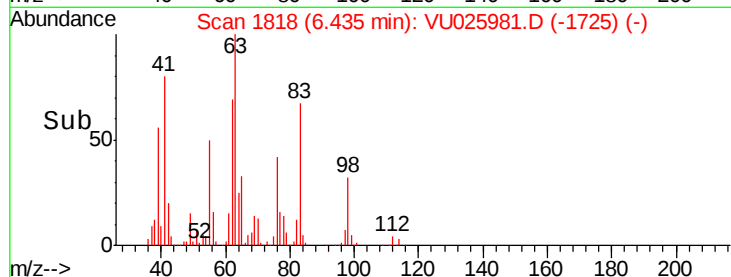
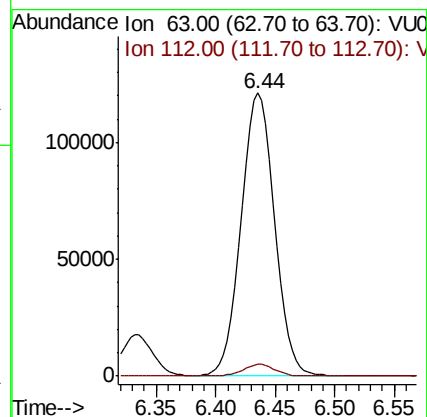
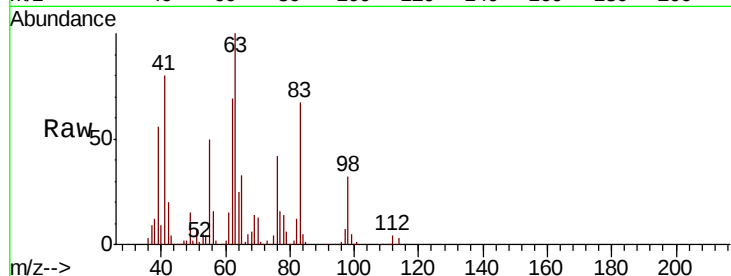
VSTD10045

Tgt Ion: 63 Resp: 236811

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 108.056 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

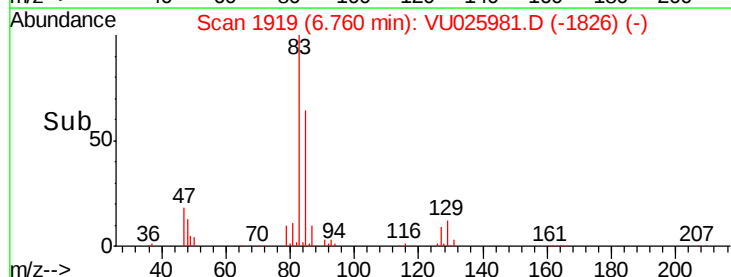
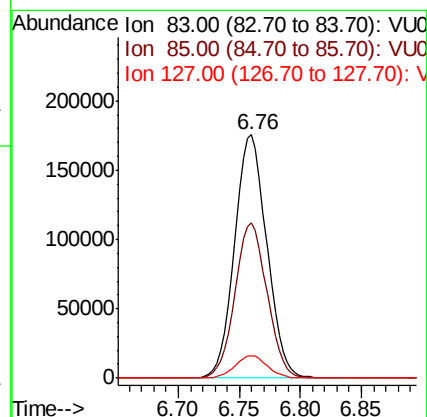
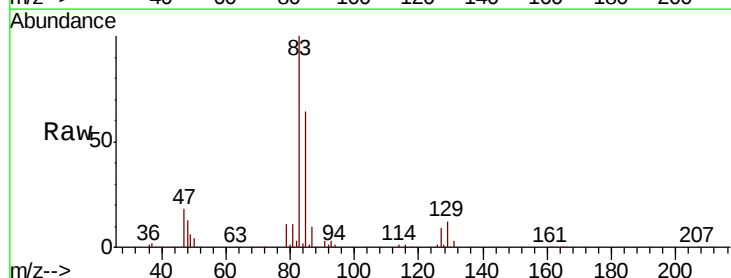
Tgt Ion: 83 Resp: 322640

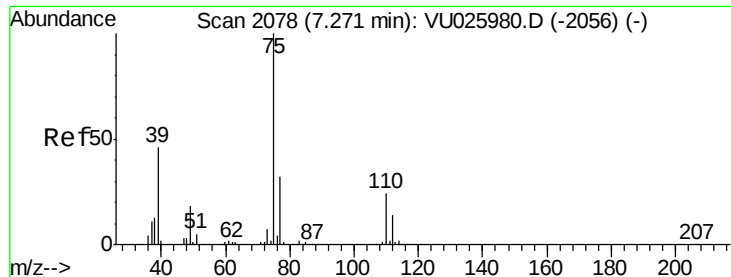
Ion Ratio Lower Upper

83 100

85 63.6 45.3 84.1

127 9.3 7.4 11.2

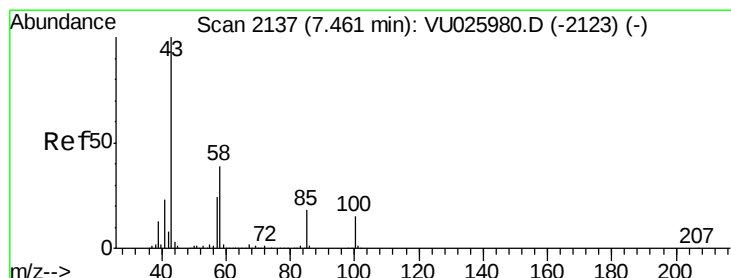
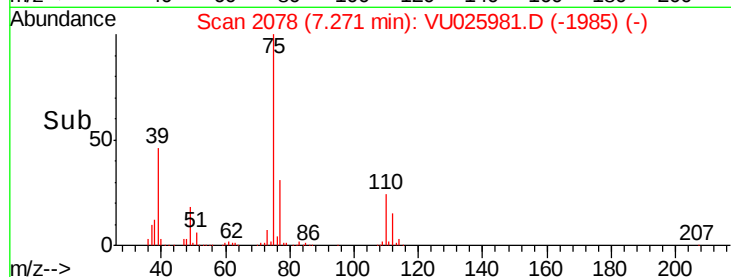
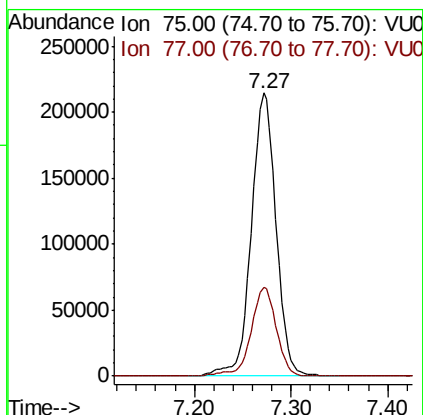
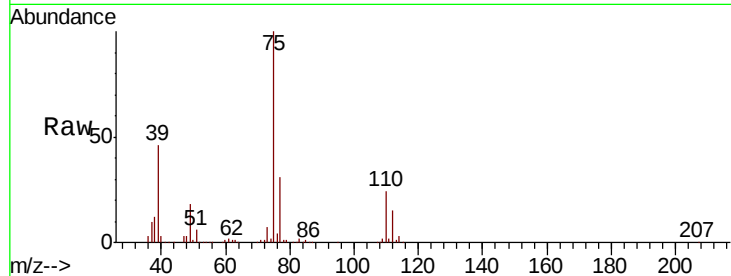




#39
 cis-1,3-Dichloropropene
 Concen: 106.603 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

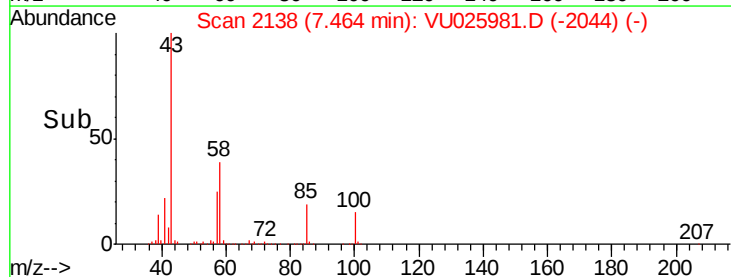
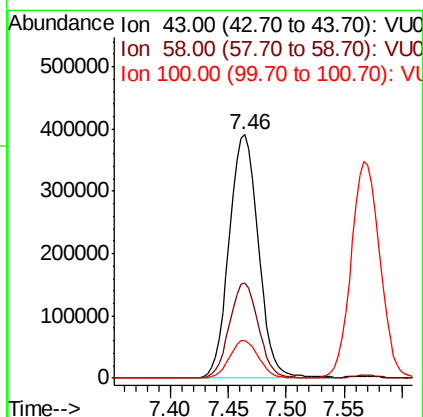
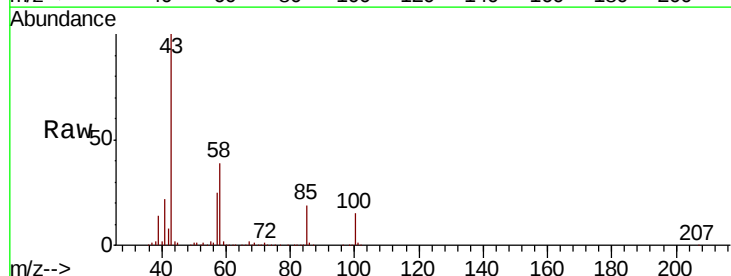
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

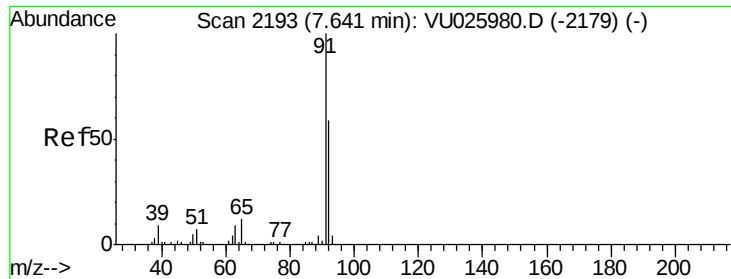
Tgt Ion: 75 Resp: 380166
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 226.955 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Tgt Ion: 43 Resp: 684946
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.6 46.0
 100 15.3 11.8 17.6





#42

Toluene

Concen: 106.418 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

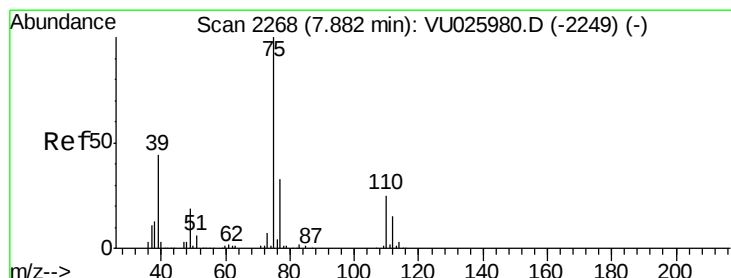
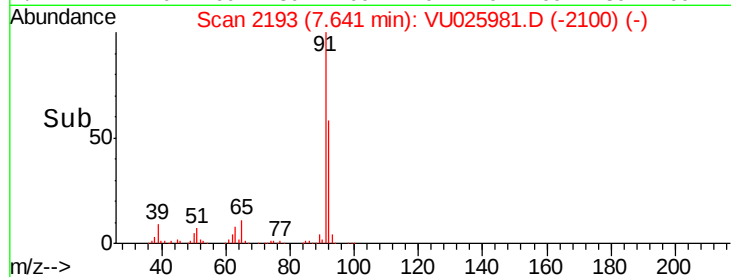
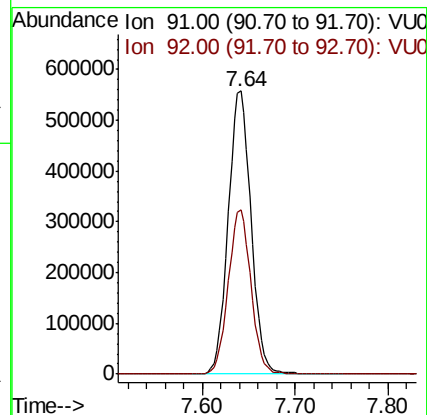
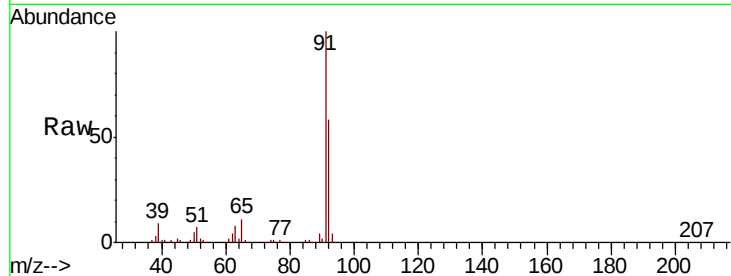
VSTD10045

Tgt Ion: 91 Resp: 953119

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 108.463 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025981.D

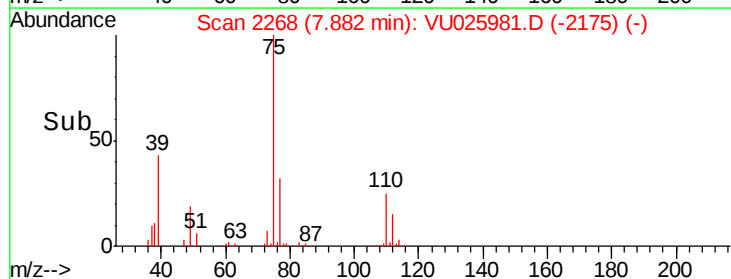
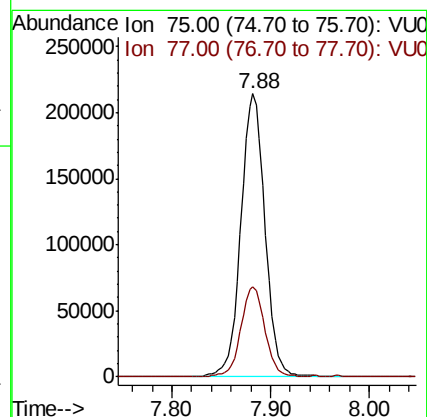
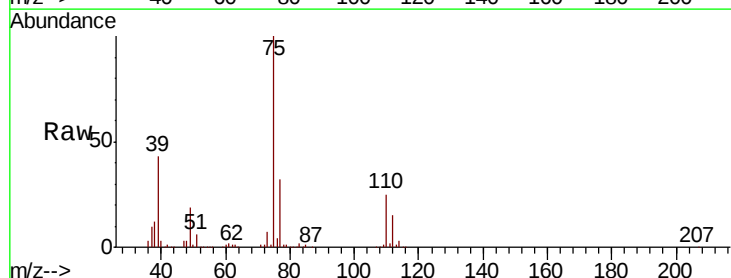
Acq: 08 Aug 2018 20:30

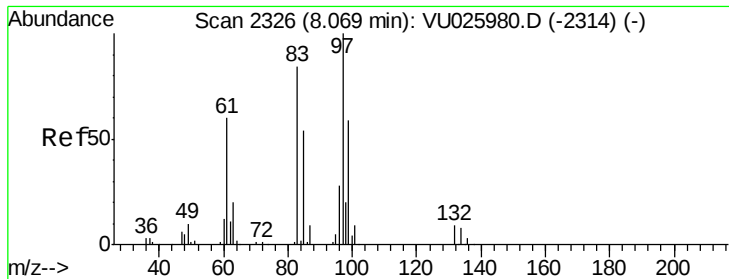
Tgt Ion: 75 Resp: 363219

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.6

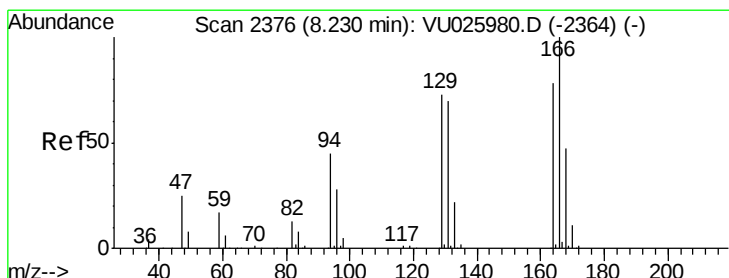
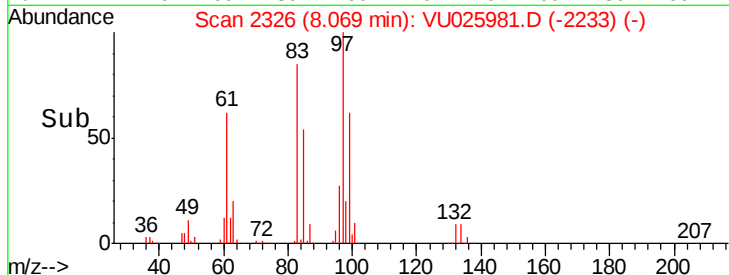
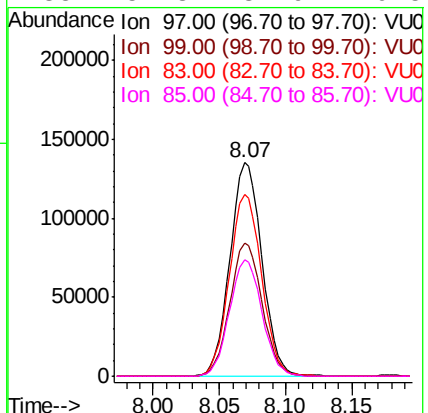
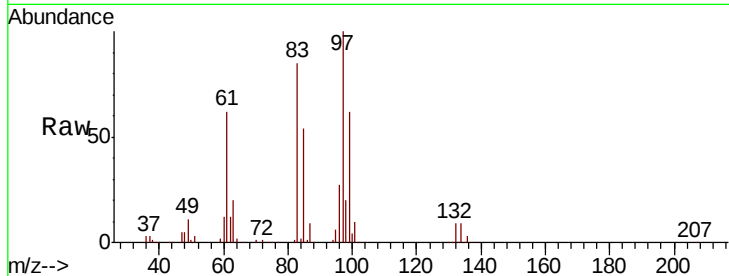




#45
 1,1,2-Trichloroethane
 Concen: 107.788 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

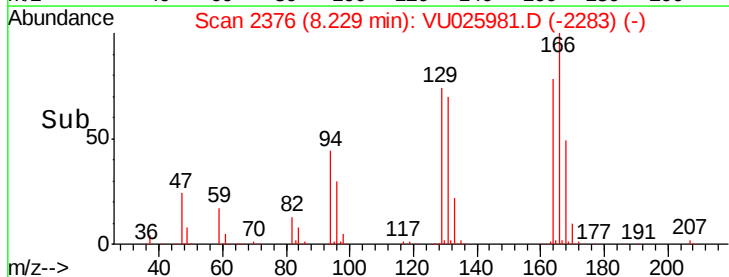
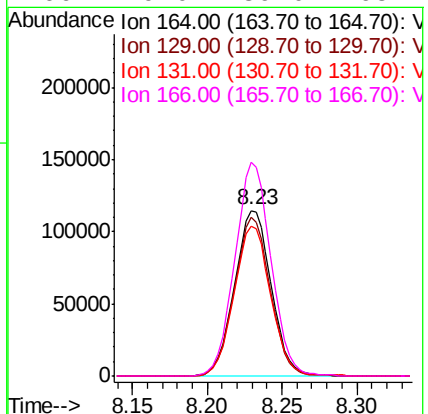
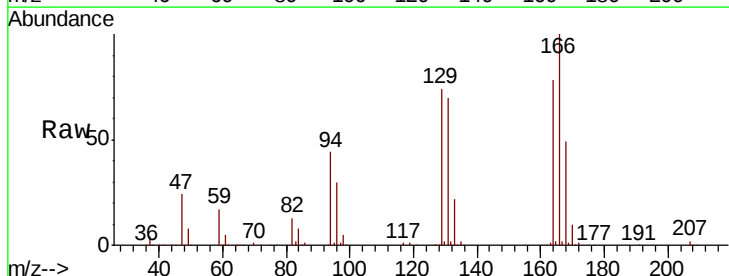
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

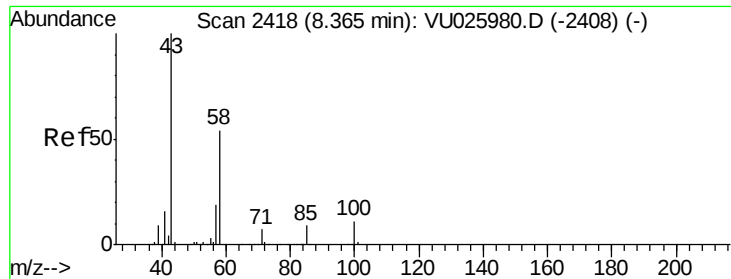
Tgt Ion:	97	Resp:	228036
Ion	Ratio	Lower	Upper
97	100		
99	62.5	41.6	77.2
83	85.4	59.0	109.6
85	54.3	37.9	70.5



#46
 Tetrachloroethene
 Concen: 100.696 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Tgt Ion:	164	Resp:	195248
Ion	Ratio	Lower	Upper
164	100		
129	95.7	64.8	120.3
131	90.6	62.8	116.6
166	129.0	89.0	165.4

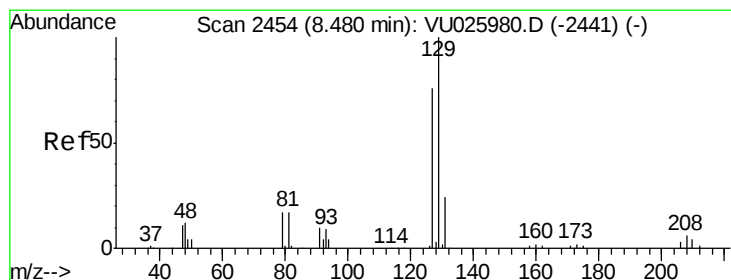
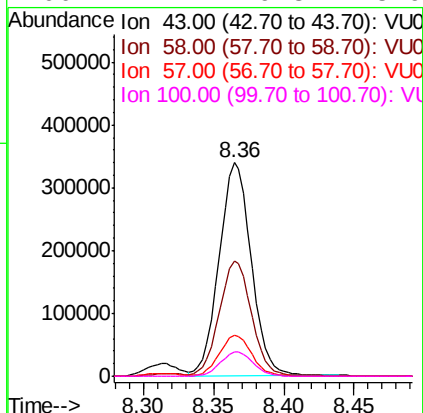
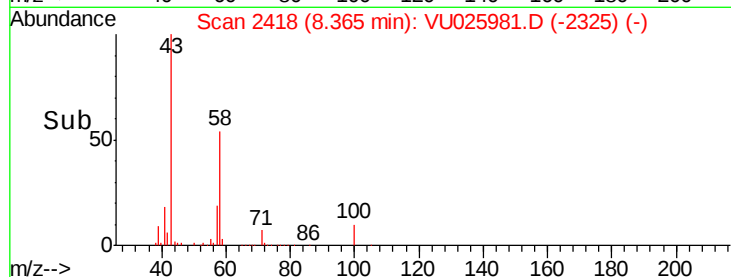
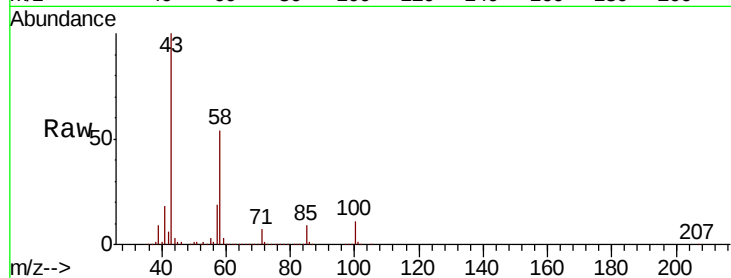




#48
2-Hexanone
Concen: 222.899 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

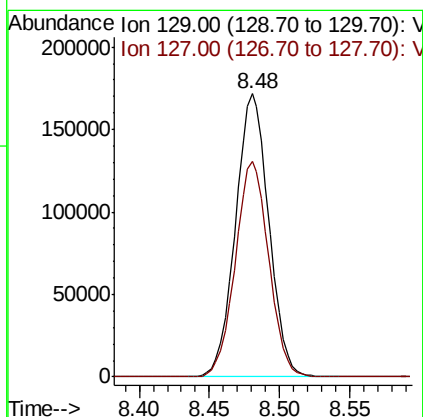
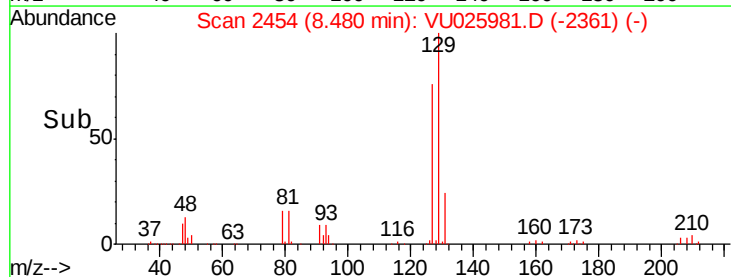
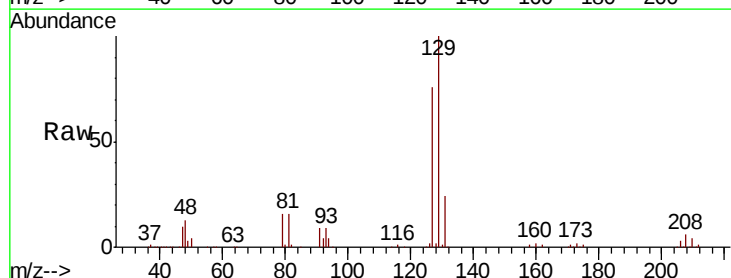
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

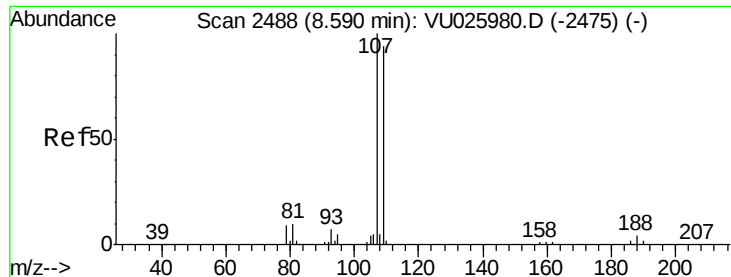
Tgt Ion: 43 Resp: 538373
Ion Ratio Lower Upper
43 100
58 54.1 43.6 65.4
57 19.2 15.1 22.7
100 11.7 9.3 13.9



#49
Dibromochloromethane
Concen: 110.240 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion: 129 Resp: 284451
Ion Ratio Lower Upper
129 100
127 76.4 53.5 99.3

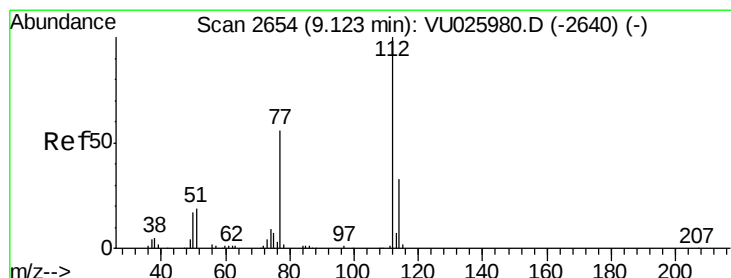
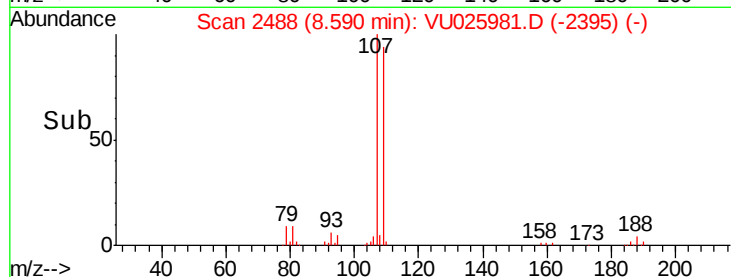
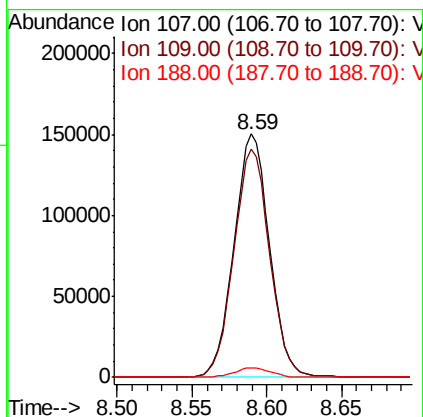
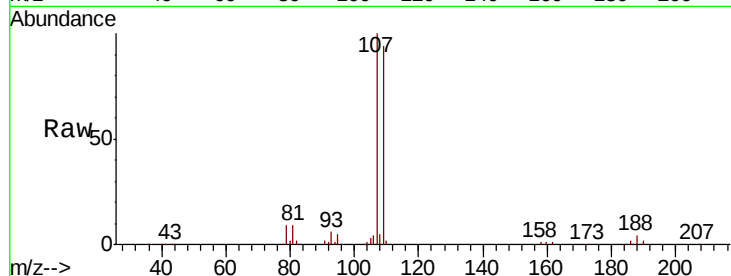




#50
1,2-Dibromoethane
Concen: 105.687 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

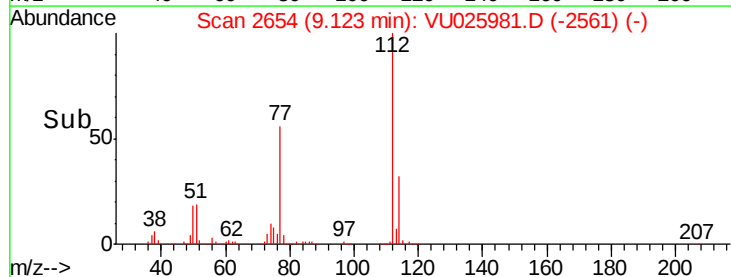
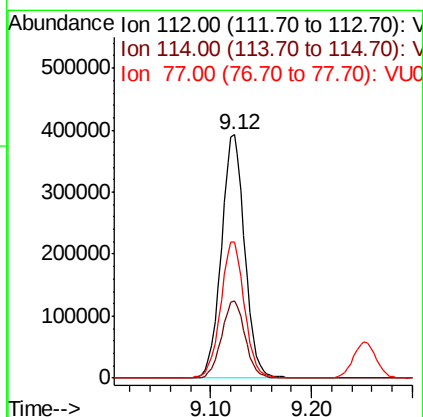
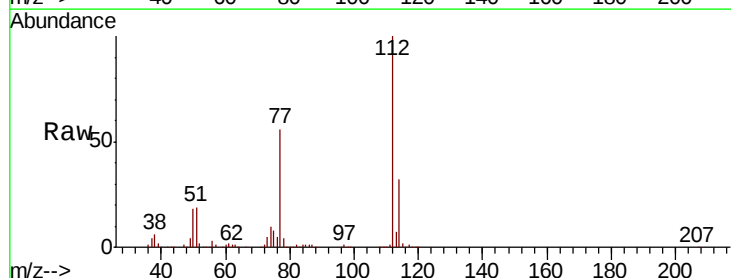
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

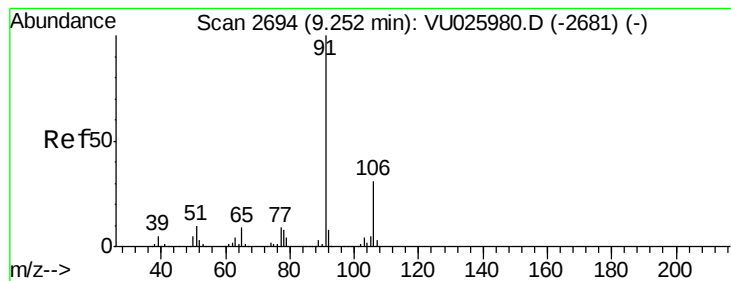
Tgt Ion:107 Resp: 247863
Ion Ratio Lower Upper
107 100
109 93.9 66.1 122.7
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 103.841 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion:112 Resp: 634066
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 55.6 45.2 67.8





#52

Ethylbenzene

Concen: 105.011 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

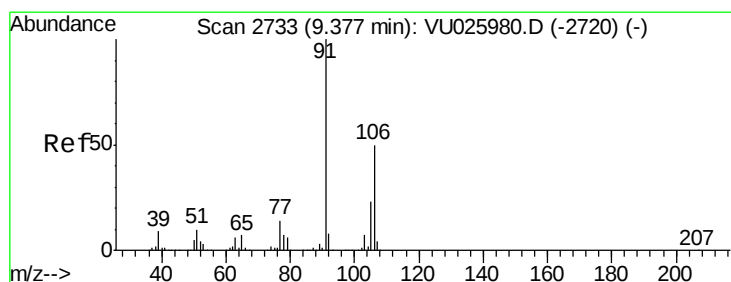
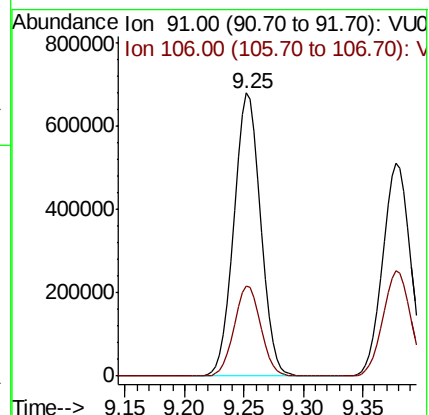
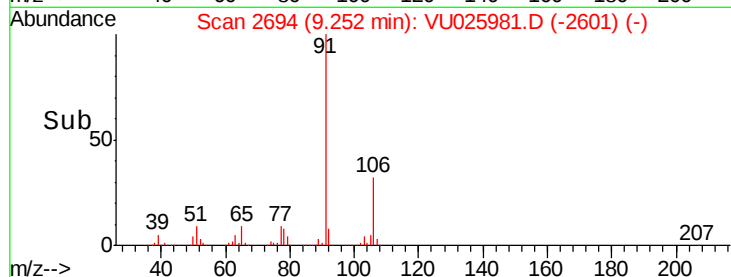
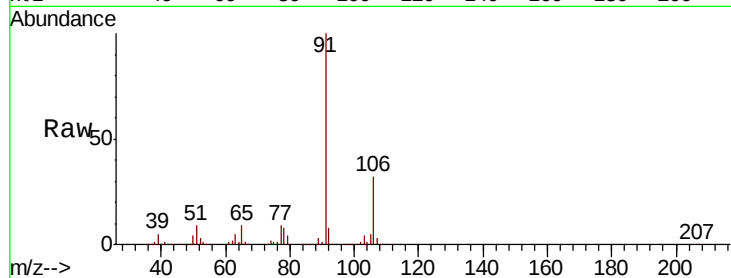
VSTD10045

Tgt Ion: 91 Resp: 1060540

Ion Ratio Lower Upper

91 100

106 32.0 22.0 41.0



#53

m,p-Xylene

Concen: 103.177 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025981.D

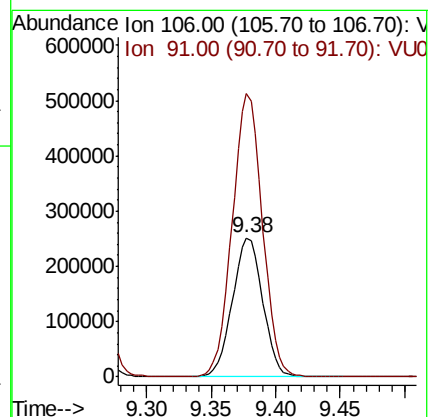
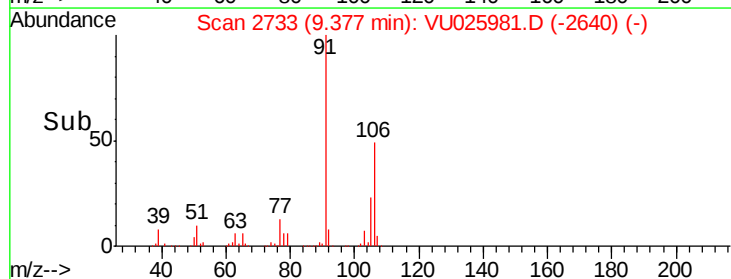
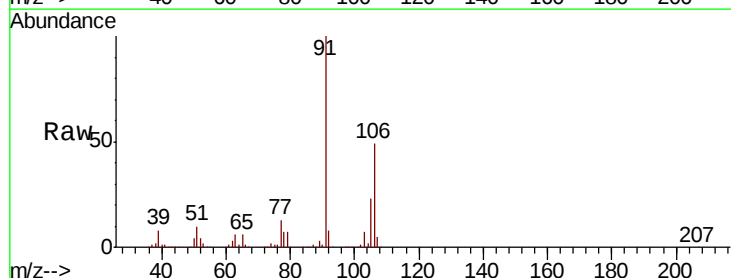
Acq: 08 Aug 2018 20:30

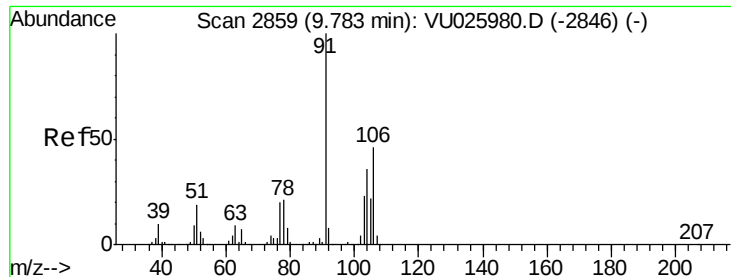
Tgt Ion: 106 Resp: 409143

Ion Ratio Lower Upper

106 100

91 203.4 141.3 262.5

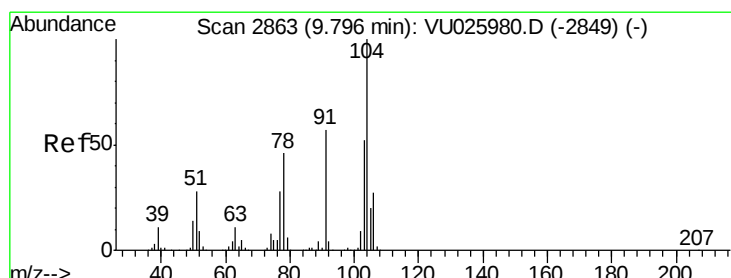
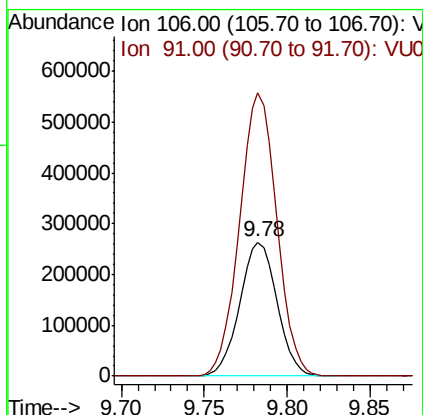
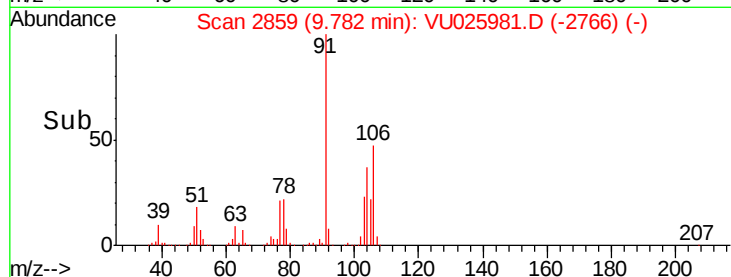
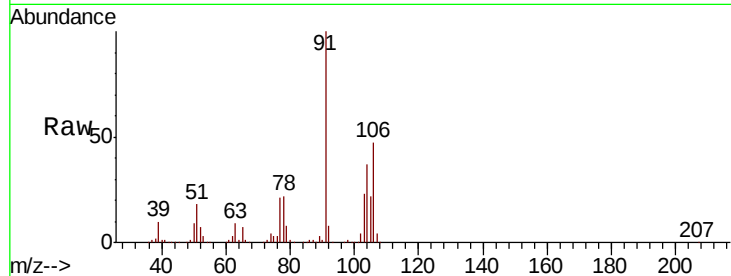




#54
o-xylene
Concen: 108.663 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

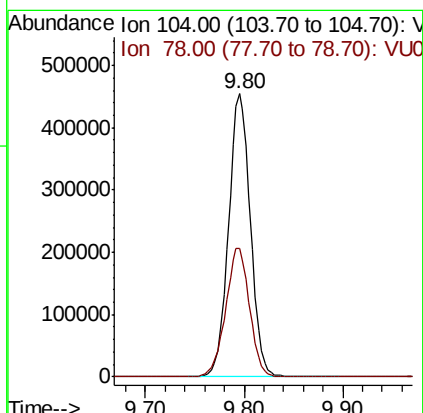
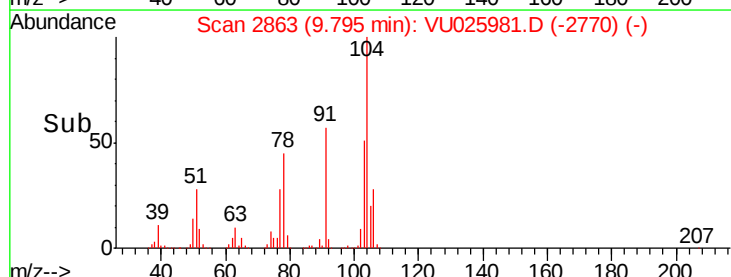
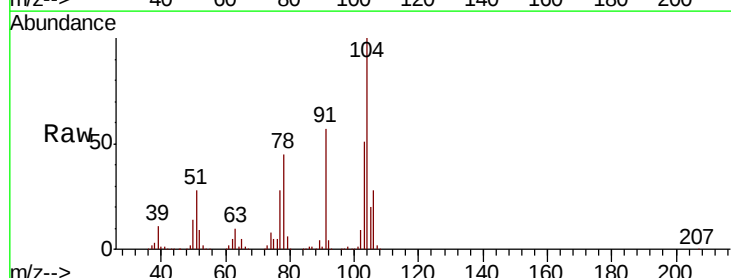
Instrument :
MSVOA_U
ClientSampleId :
VSTD10045

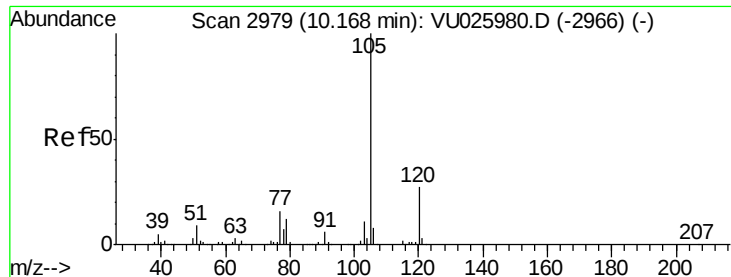
Tgt Ion:106 Resp: 411258
Ion Ratio Lower Upper
106 100
91 211.5 151.2 280.8



#55
Styrene
Concen: 110.739 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025981.D
Acq: 08 Aug 2018 20:30

Tgt Ion:104 Resp: 704713
Ion Ratio Lower Upper
104 100
78 45.3 32.1 59.5





#56

Isopropylbenzene

Concen: 106.678 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

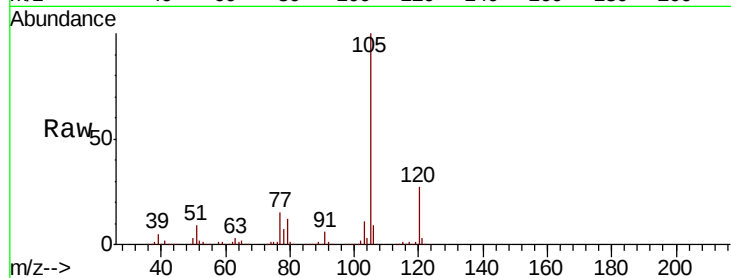
Tgt Ion:105 Resp: 1071265

Ion Ratio Lower Upper

105 100

120 27.0 21.7 32.5

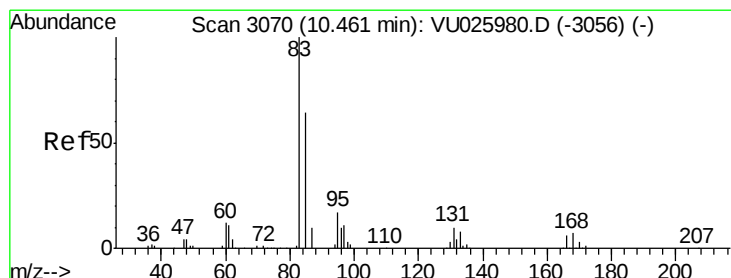
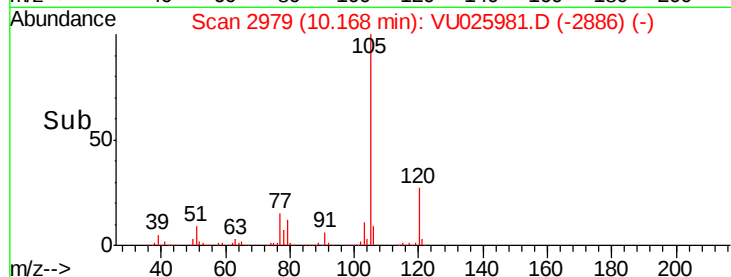
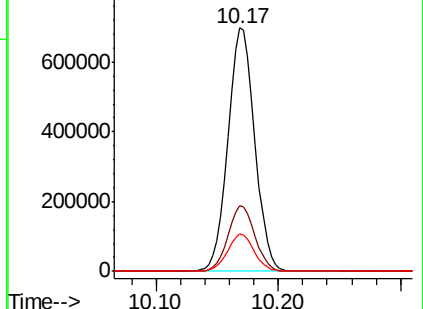
77 15.3 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 109.259 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

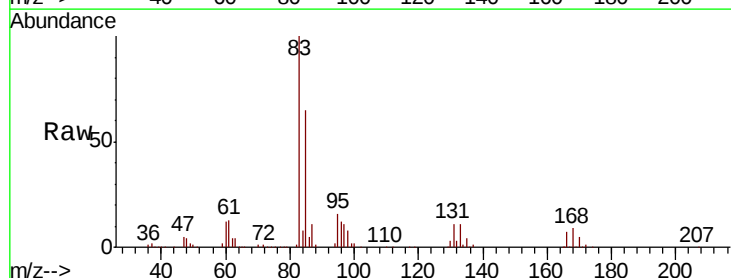
Tgt Ion: 83 Resp: 389244

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

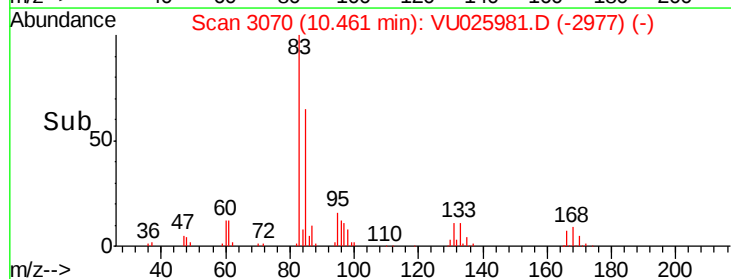
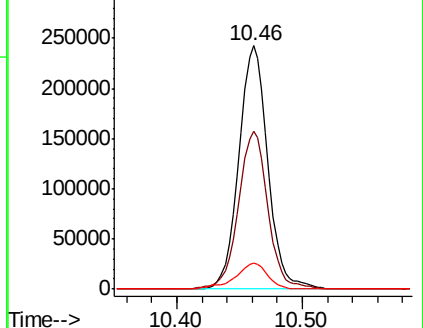
131 10.5 8.6 12.8

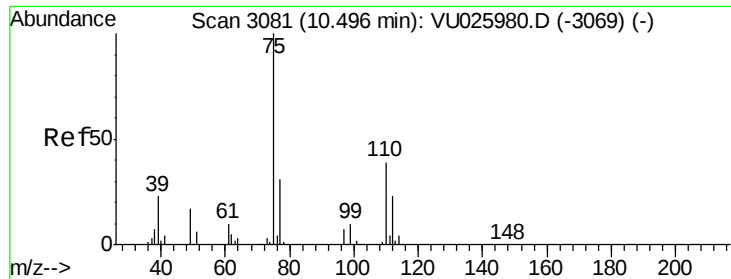


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

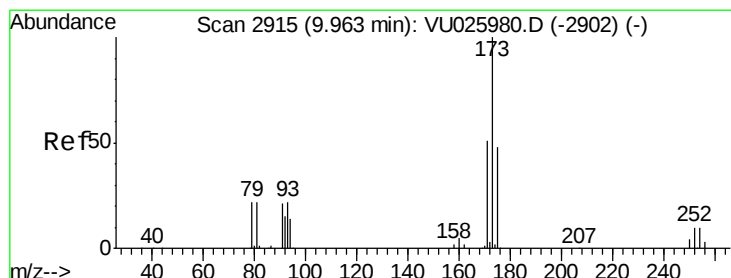
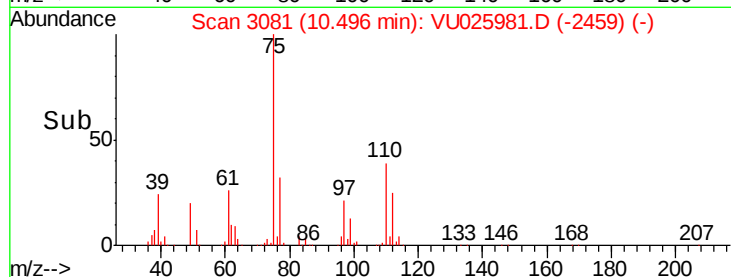
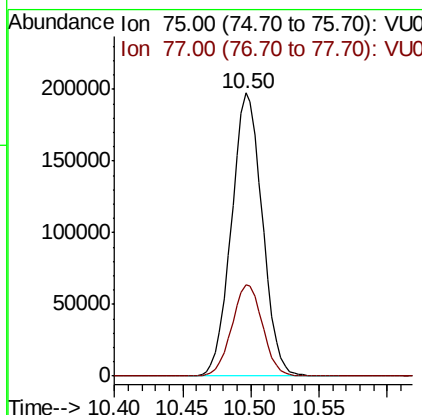
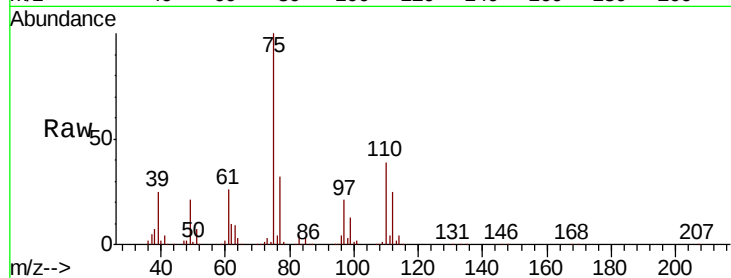




#59
 1,2,3-Trichloropropane
 Concen: 110.398 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

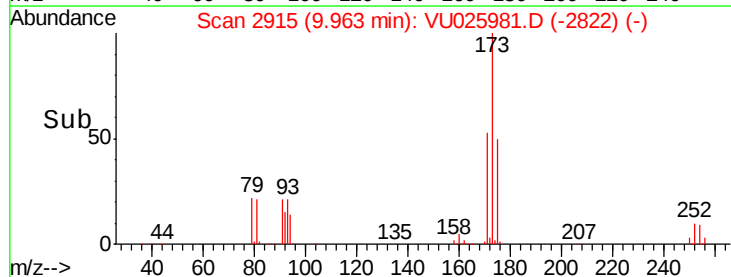
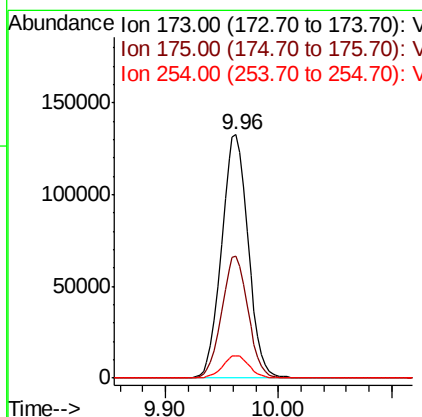
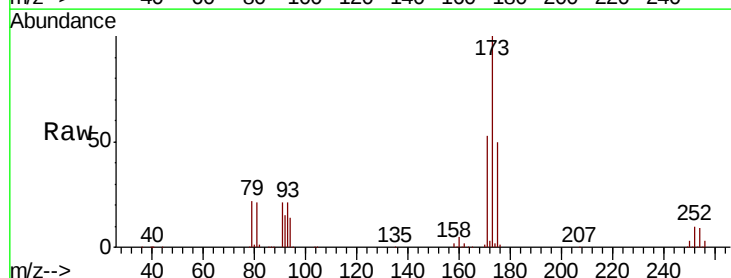
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

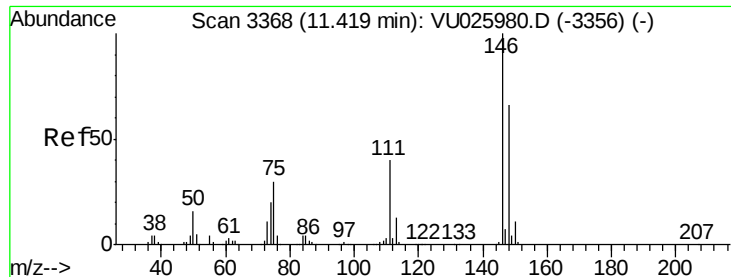
Tgt Ion: 75 Resp: 310163
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9



#61
 Bromoform
 Concen: 114.039 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Tgt Ion: 173 Resp: 216798
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.9 58.3
 254 9.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 103.344 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

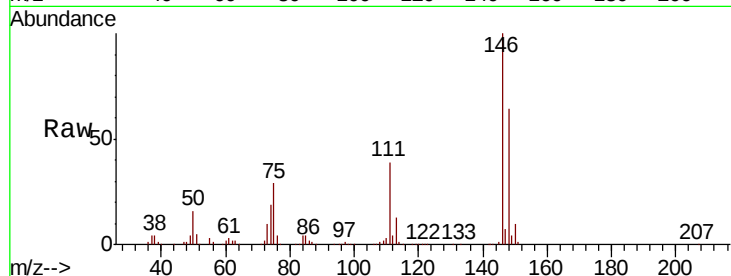
Tgt Ion:146 Resp: 502452

Ion Ratio Lower Upper

146 100

111 38.9 27.9 51.9

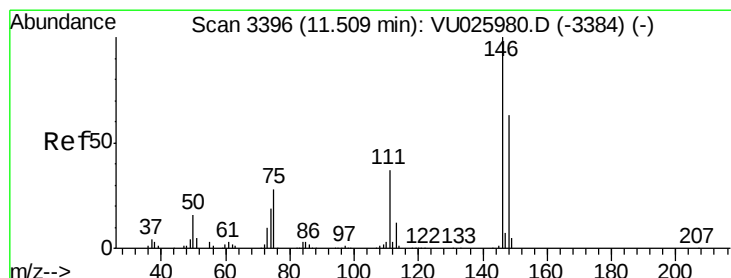
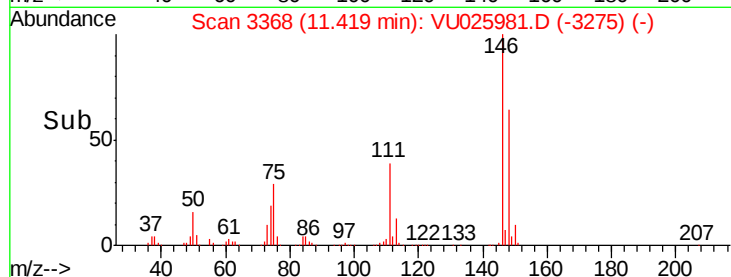
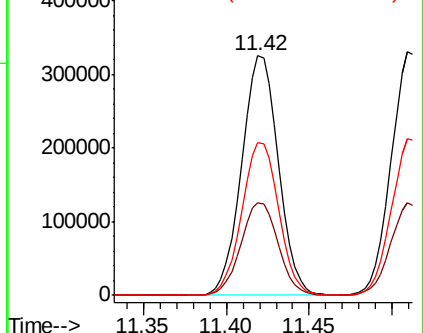
148 63.7 46.0 85.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 102.700 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

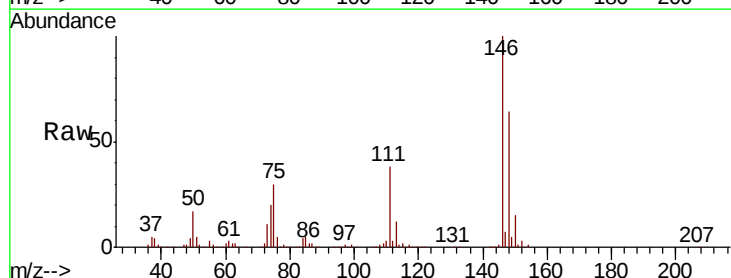
Tgt Ion:146 Resp: 511402

Ion Ratio Lower Upper

146 100

111 37.8 26.4 49.0

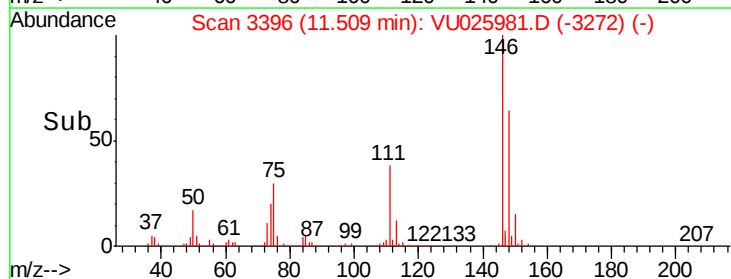
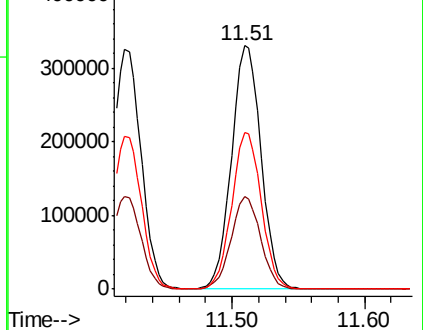
148 64.3 43.8 81.4

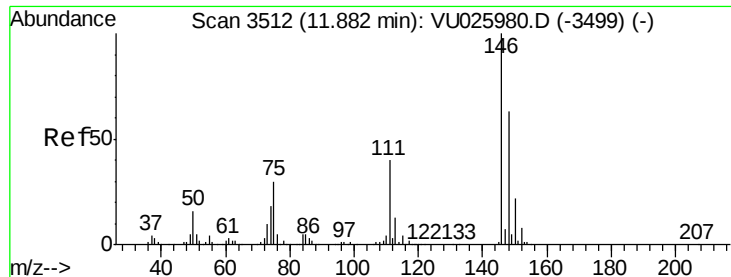


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 107.035 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

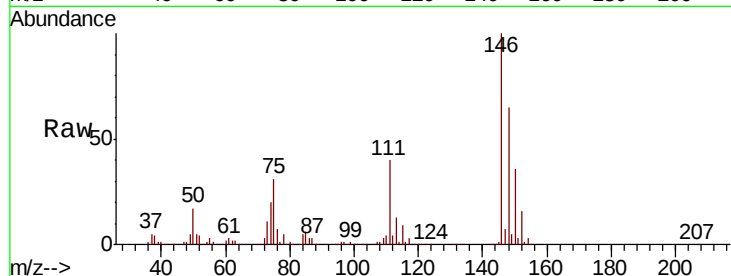
Tgt Ion:146 Resp: 528588

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

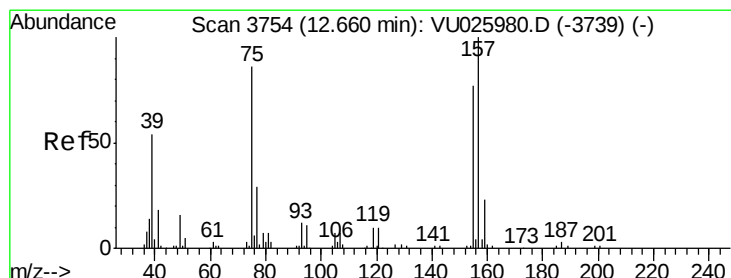
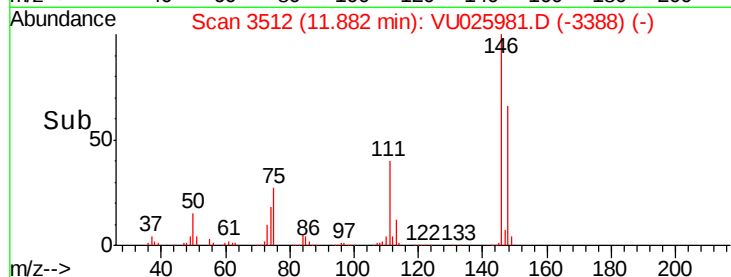
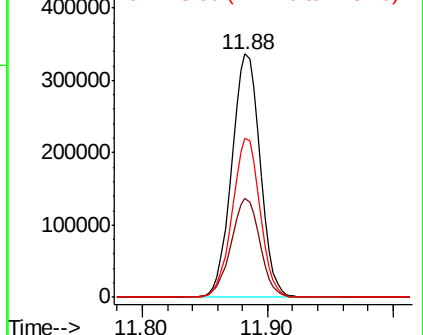
148 65.5 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): 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: 120.372 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

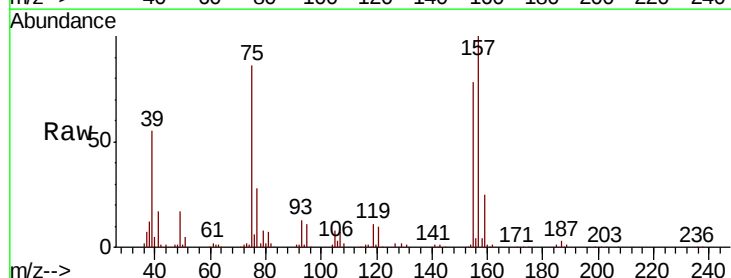
Tgt Ion: 75 Resp: 92487

Ion Ratio Lower Upper

75 100

155 90.8 71.8 107.8

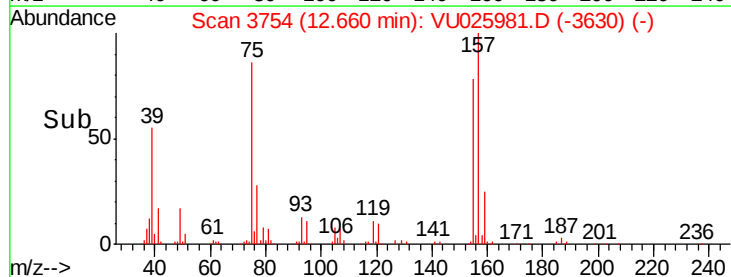
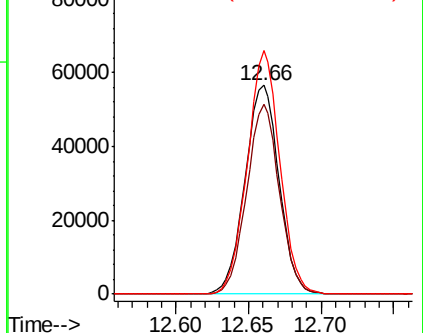
157 116.5 93.0 139.6

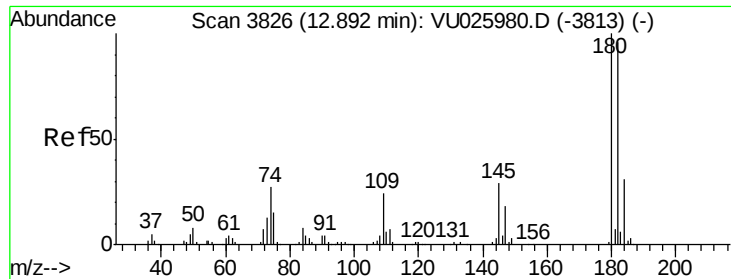


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

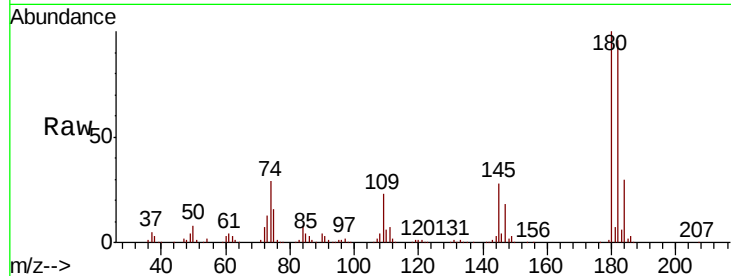




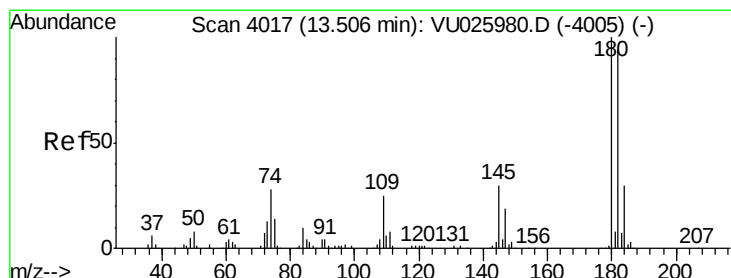
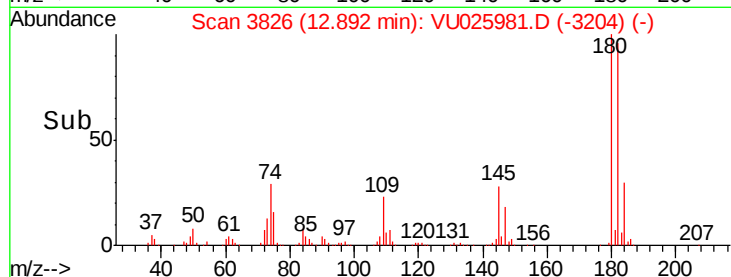
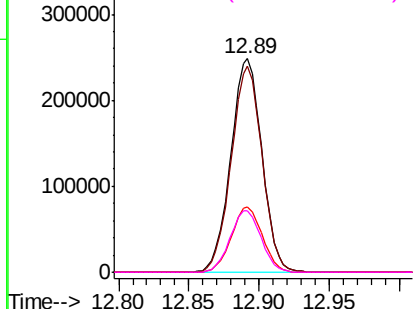
#67
 1,3,5-Trichlorobenzene
 Concen: 106.647 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10045

Tgt Ion:	180	Resp:	384056
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
184	30.4	24.3	36.5
145	28.8	23.5	35.3

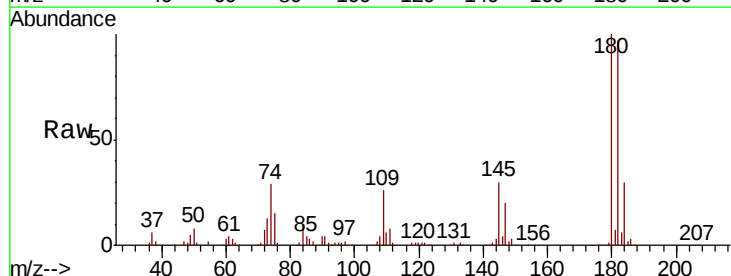


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

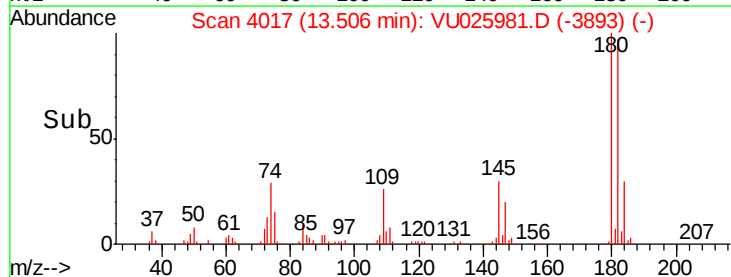
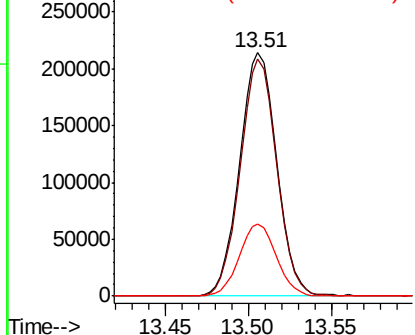


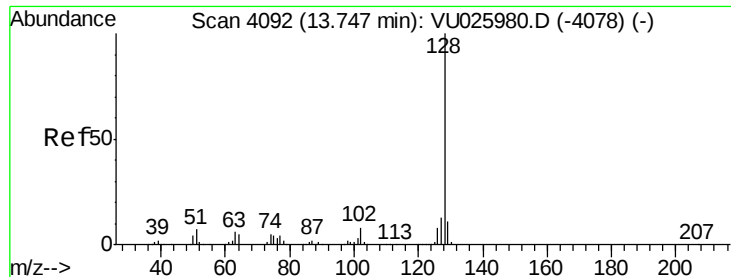
#68
 1,2,4-trichlorobenzene
 Concen: 108.214 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025981.D
 Acq: 08 Aug 2018 20:30

Tgt Ion:	180	Resp:	333450
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	29.6	24.2	36.4



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





#69

Naphthalene

Concen: 122.852 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10045

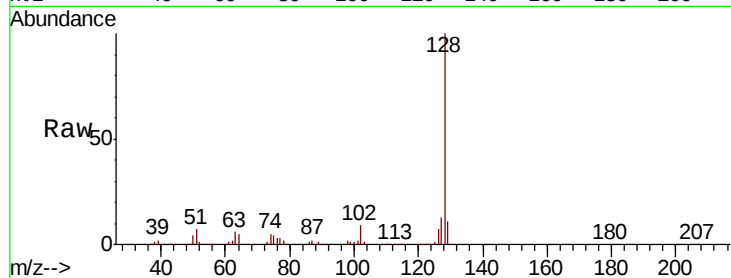
Tgt Ion:128 Resp: 1145021

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

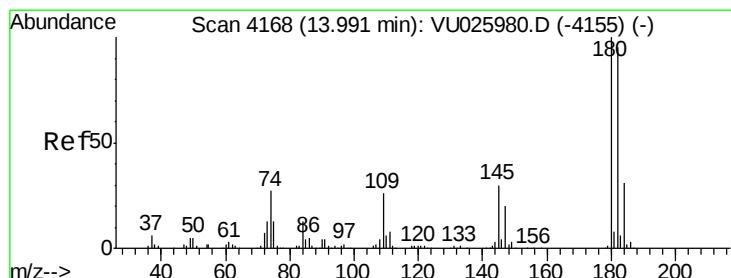
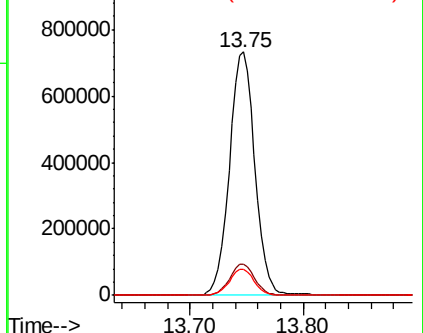
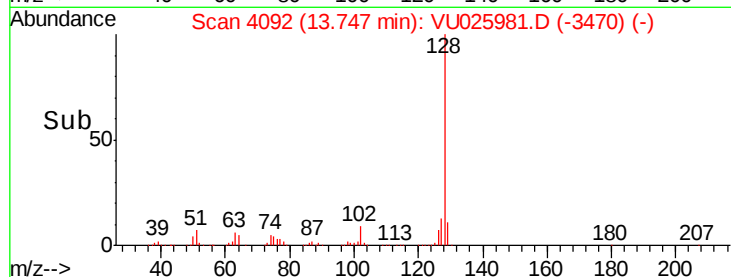
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 111.662 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025981.D

Acq: 08 Aug 2018 20:30

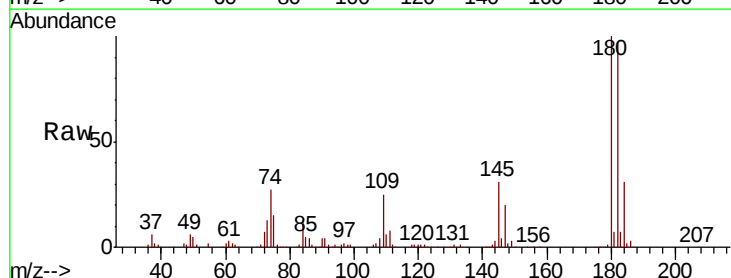
Tgt Ion:180 Resp: 359833

Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

145 31.1 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

