

Data File : VU031522.D
Acq On : 26 Apr 2019 11:02
Operator : JC/SP
Sample : VSTD05051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Apr 26 23:33:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	710372	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	688437	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	302135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	302039	52.12	ug/L	0.00
7) Chloroethane-d5	1.68	69	231868	52.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	594874	57.54	ug/L	0.00
21) 2-Butanone-d5	4.19	46	572520	125.72	ug/L	0.00
24) Chloroform-d	4.64	84	556010	58.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	364377	62.62	ug/L	0.00
32) Benzene-d6	5.34	84	1066264	53.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	370703	56.49	ug/L	0.00
41) Toluene-d8	7.56	98	956002	53.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	166523	56.00	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	332772	104.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	498220	56.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	318944	51.36	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	375930	68.452	ug/L	100
3) Chloromethane	1.32	50	455921	65.575	ug/L	100
5) Vinyl chloride	1.40	62	428371	63.659	ug/L	100
6) Bromomethane	1.63	94	220146	57.798	ug/L	100
8) Chloroethane	1.70	64	236046	62.120	ug/L	100
9) Trichlorofluoromethane	1.88	101	487369	61.456	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	273148	59.948	ug/L	100
12) 1,1-Dichloroethene	2.28	96	267919	59.803	ug/L	100
13) Acetone	2.34	43	587712	152.304	ug/L	100
14) Carbon disulfide	2.47	76	877668	63.477	ug/L	100
15) Methyl Acetate	2.62	43	449113	66.868	ug/L	100
16) Methylene chloride	2.70	84	314603	60.979	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	276001	59.697	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	902052	59.325	ug/L	100
19) 1,1-Dichloroethane	3.44	63	597360	64.302	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	306053	58.477	ug/L	100
22) 2-Butanone	4.27	43	696083	144.531	ug/L	100
23) Bromochloromethane	4.55	128	145064	55.826	ug/L	100
25) Chloroform	4.67	83	569759	64.037	ug/L	100
27) 1,2-Dichloroethane	5.40	62	456992	67.305	ug/L	100
29) Cyclohexane	4.99	56	539336	62.033	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	462912	60.694	ug/L	100
31) Carbon tetrachloride	5.13	117	398394	61.002	ug/L	100
33) Benzene	5.39	78	1239271	59.932	ug/L	100
34) Trichloroethene	6.18	95	298600	55.319	ug/L	100
35) Methylcyclohexane	6.41	83	455183	57.427	ug/L	100
37) 1,2-Dichloropropane	6.43	63	349710	62.530	ug/L	100
38) Bromodichloromethane	6.75	83	423161	62.029	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	460343	57.200	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1089084	127.774	ug/L	100

Data File : VU031522.D
Acq On : 26 Apr 2019 11:02
Operator : JC/SP
Sample : VSTD05051
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Apr 26 23:33:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1261064	59.308	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	425991	60.156	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	291631	58.076	ug/L	100
46) Tetrachloroethene	8.22	164	199507	53.324	ug/L	100
48) 2-Hexanone	8.36	43	911265	135.231	ug/L	100
49) Dibromochloromethane	8.47	129	304361	57.513	ug/L	100
50) 1,2-Dibromoethane	8.58	107	302191	57.779	ug/L	100
51) Chlorobenzene	9.12	112	726211	55.780	ug/L	100
52) Ethylbenzene	9.25	91	1310226	57.815	ug/L	100
53) m,p-Xylene	9.37	106	450133	55.362	ug/L	100
54) o-xylene	9.77	106	461017	56.185	ug/L	100
55) Styrene	9.79	104	809600	58.612	ug/L	100
56) Isopropylbenzene	10.16	105	1207818	57.154	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	507169	58.464	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	409056	60.215	ug/L	100
61) Bromoform	9.95	173	213529	56.017	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	487809	54.370	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	502338	55.847	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	518429	56.098	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	121338	67.411	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	360288	54.813	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	297384	56.301	ug/L	100
69) Naphthalene	13.74	128	1030240	56.209	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	334152	58.203	ug/L	100

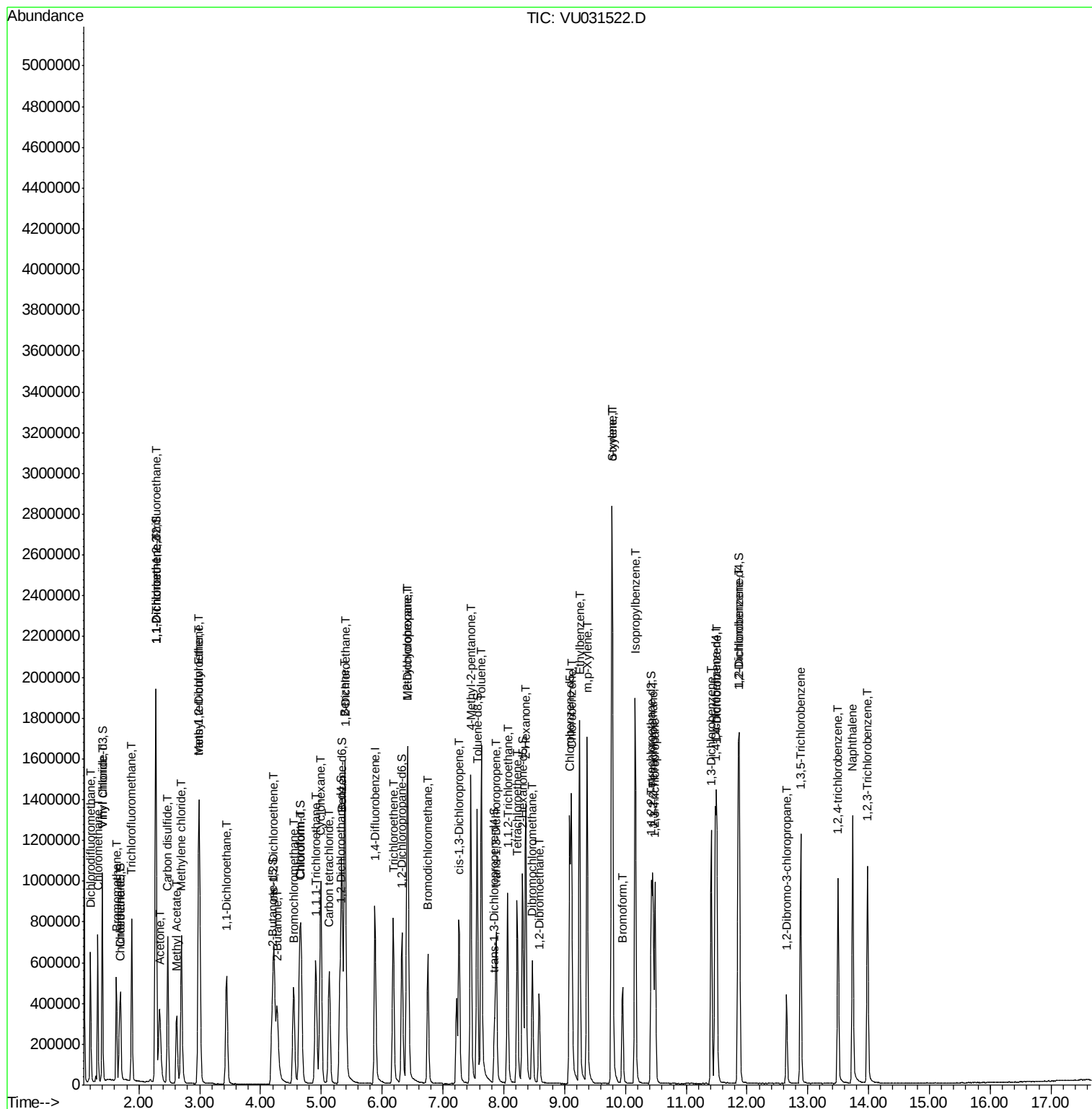
(#) = qualifier out of range (m) = manual integration (+) = signals summed

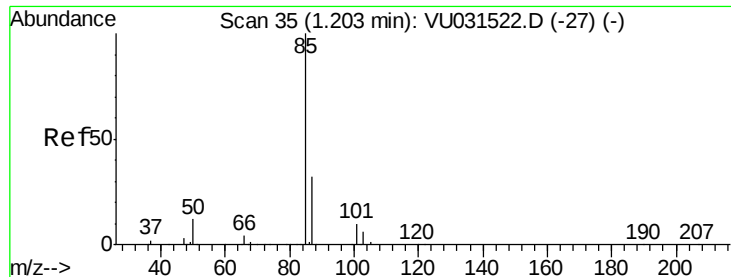
Data File : VU031522.D

```
Acq On       : 26 Apr 2019   11:02
Operator     : JC/SP
Sample       : VSTD05051
Misc         : 5.0mL/MSV0A_U/WATER
ALS Vial     : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Quant Time: Apr 26 23:33:11 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 68.452 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

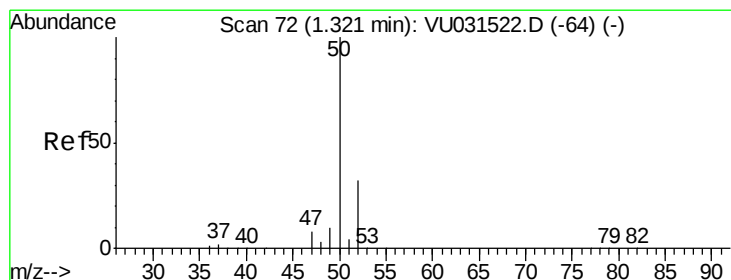
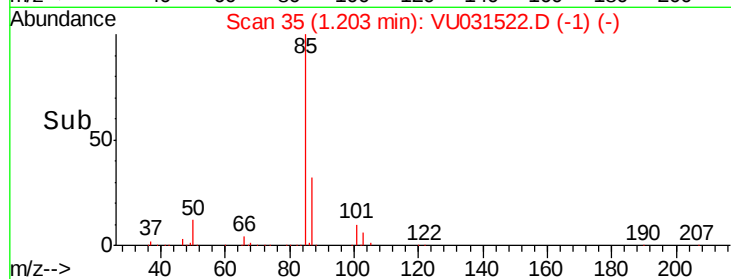
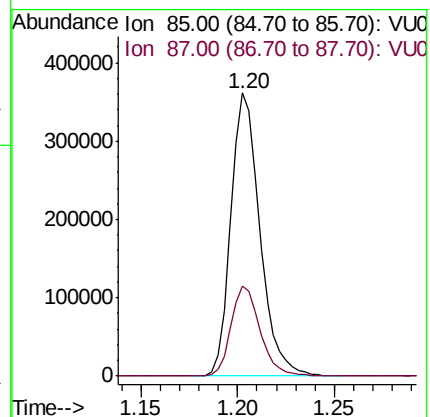
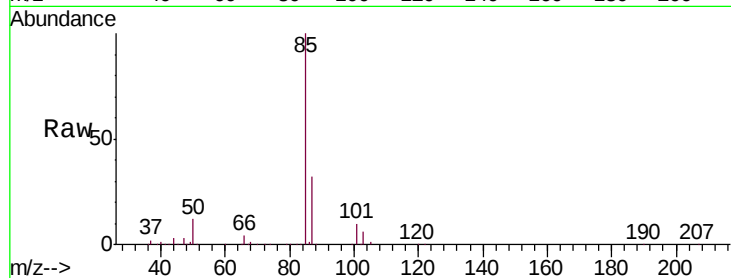
VSTD05051

Tgt Ion: 85 Resp: 375930

Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.0



#3

Chloromethane

Concen: 65.575 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031522.D

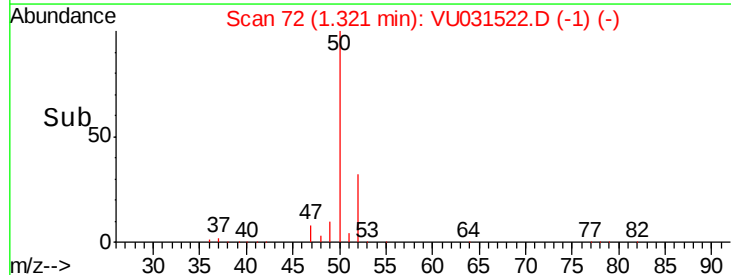
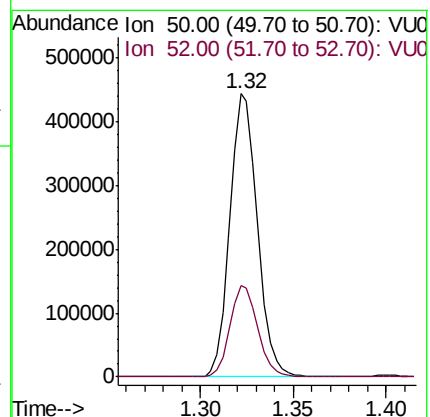
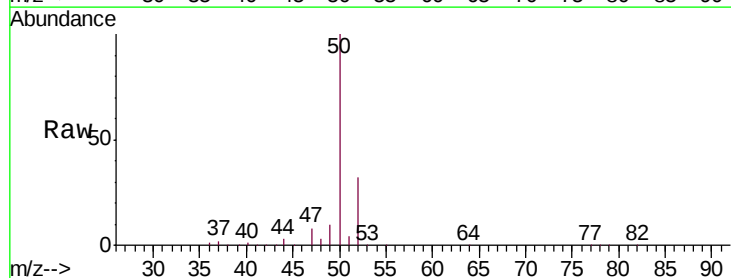
Acq: 26 Apr 2019 11:02

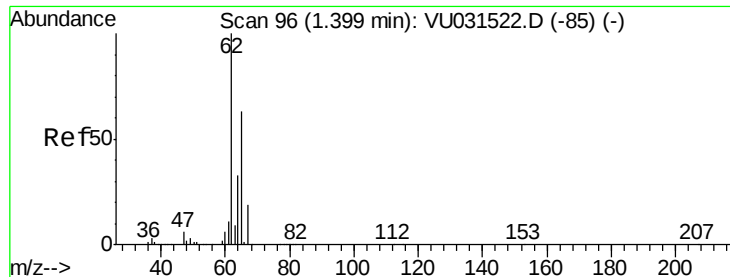
Tgt Ion: 50 Resp: 455921

Ion Ratio Lower Upper

50 100

52 32.3 22.6 42.0





#5

Vinyl chloride

Concen: 63.659 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

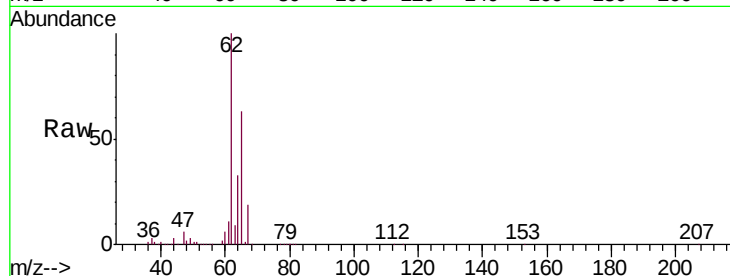
VSTD05051

Tgt Ion: 62 Resp: 428371

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU031522.D (-85) (-)

1.40

400000

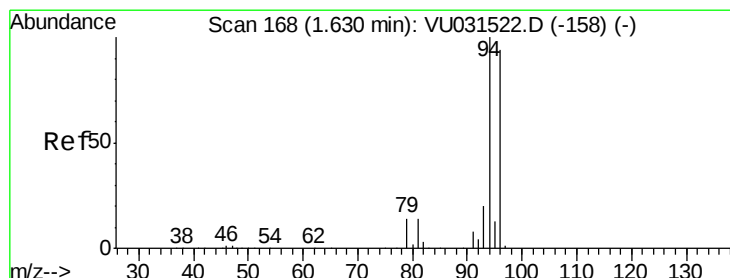
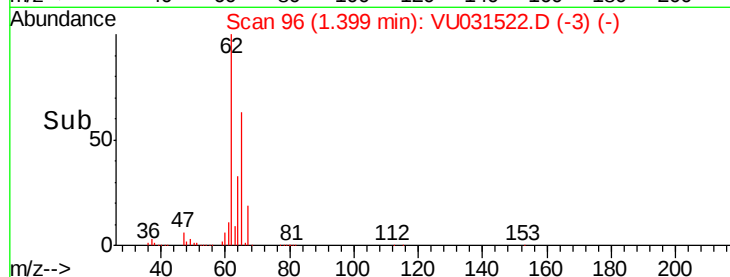
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 57.798 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031522.D

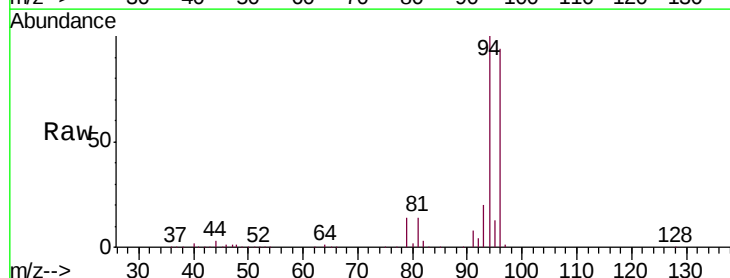
Acq: 26 Apr 2019 11:02

Tgt Ion: 94 Resp: 220146

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031522.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031522.D (-158) (-)

1.63

200000

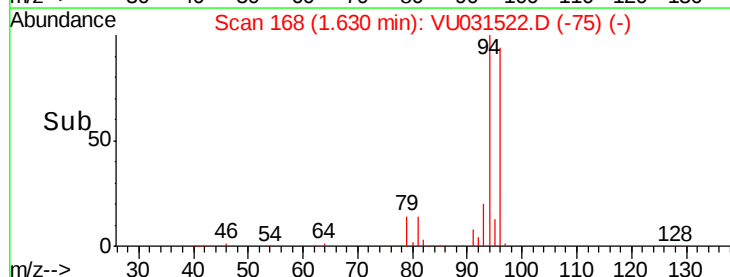
150000

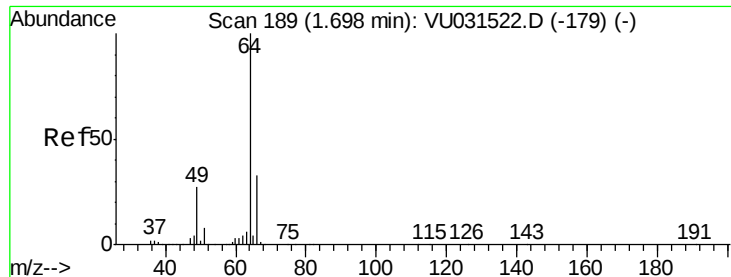
100000

50000

0

Time-->

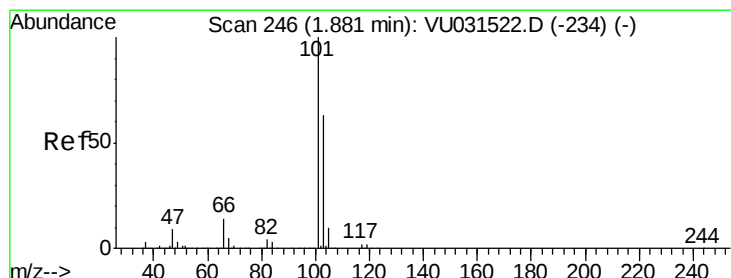
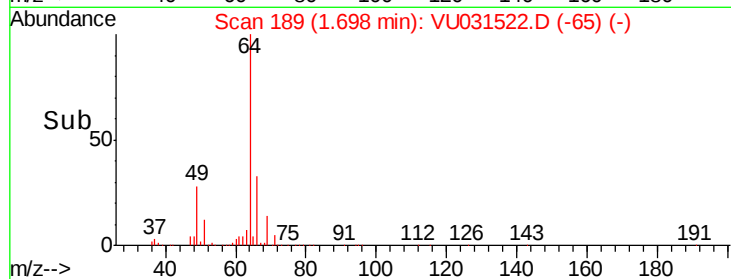
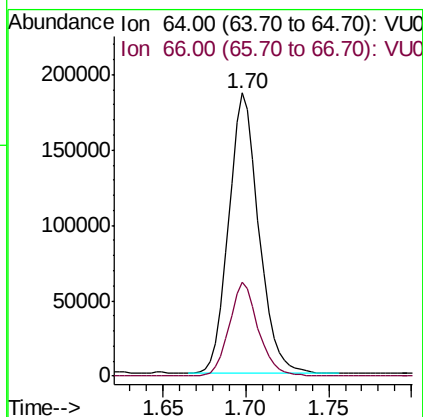
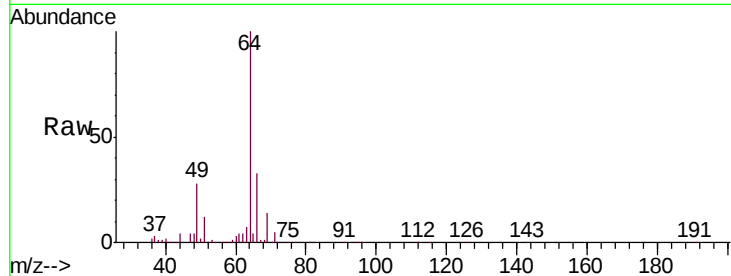




#8
Chloroethane
Concen: 62.120 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

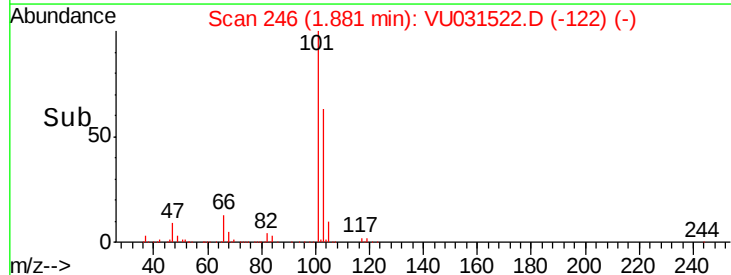
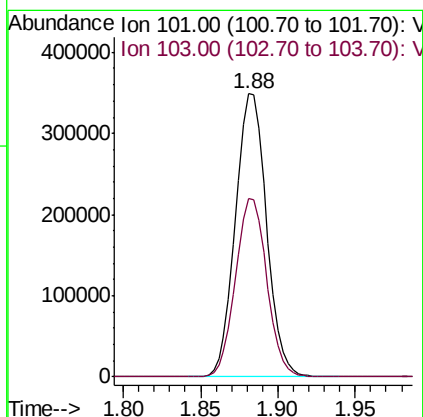
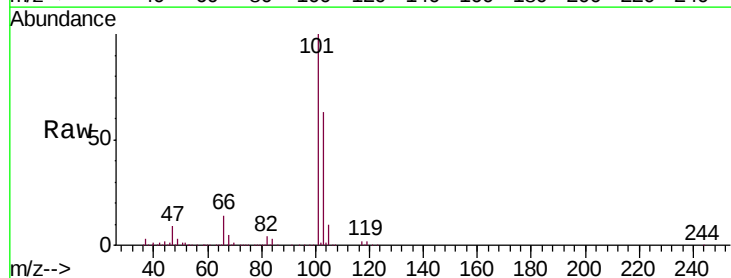
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

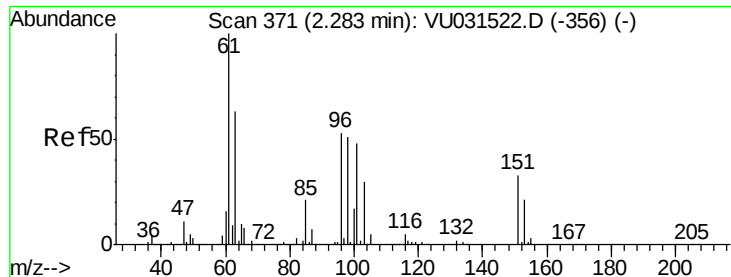
Tgt Ion: 64 Resp: 236046
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 61.456 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Tgt Ion: 101 Resp: 487369
Ion Ratio Lower Upper
101 100
103 63.5 50.8 76.2





#10

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

Concen: 59.948 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

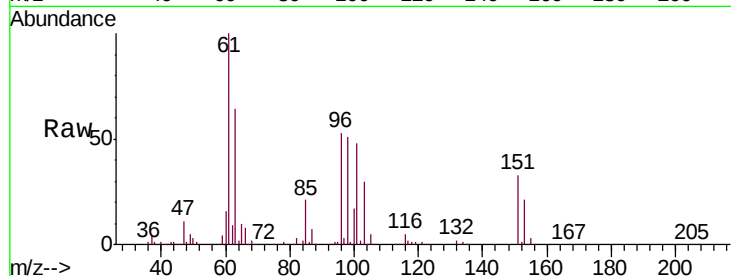
Tgt Ion: 101 Resp: 273148

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

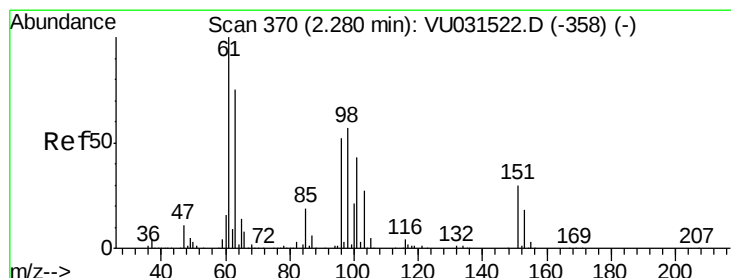
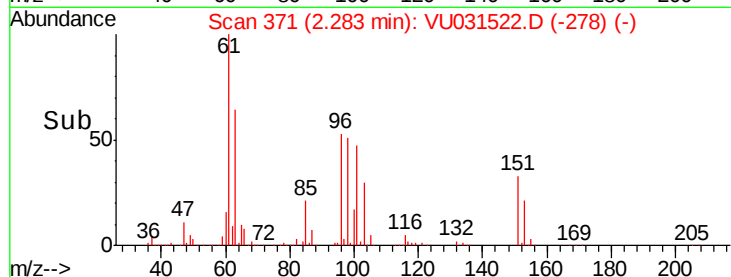
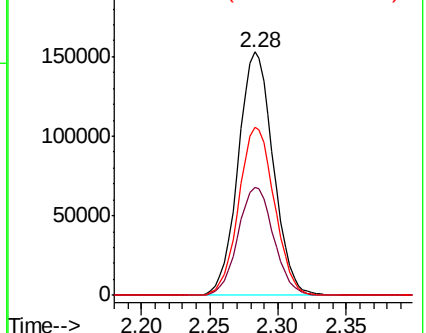
151 70.1 56.1 84.1



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: 59.803 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

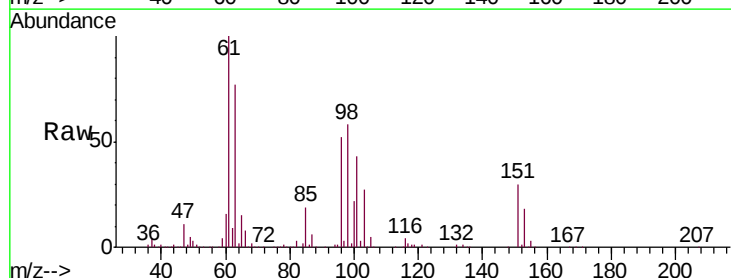
Tgt Ion: 96 Resp: 267919

Ion Ratio Lower Upper

96 100

61 192.8 135.0 250.6

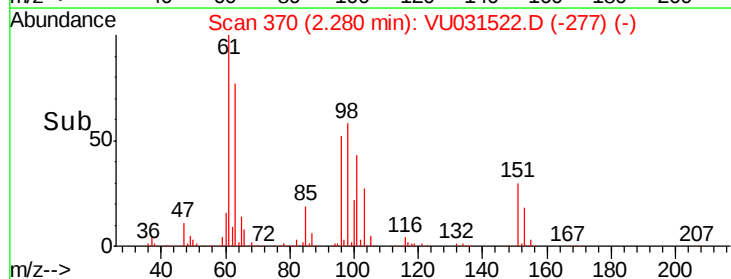
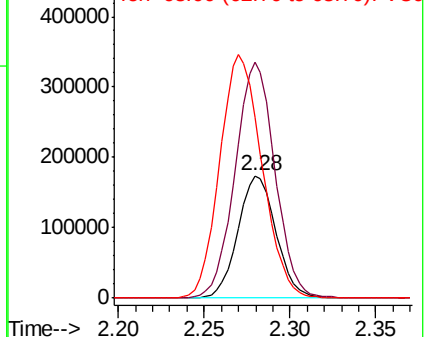
63 147.9 103.5 192.3

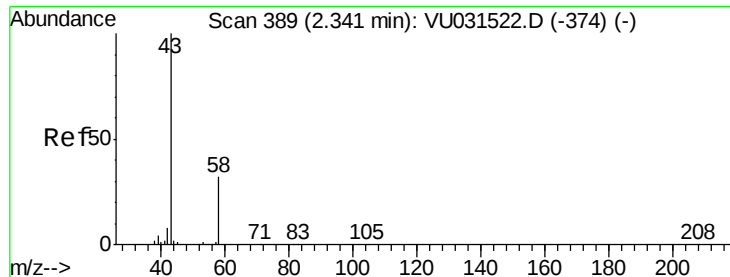


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 152.304 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

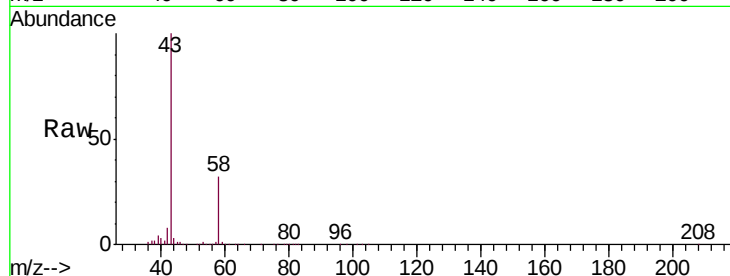
VSTD05051

Tgt Ion: 43 Resp: 587712

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031522.D (-374) (-)

2.34

250000

200000

150000

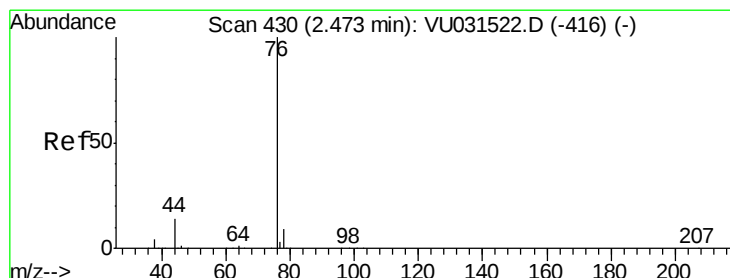
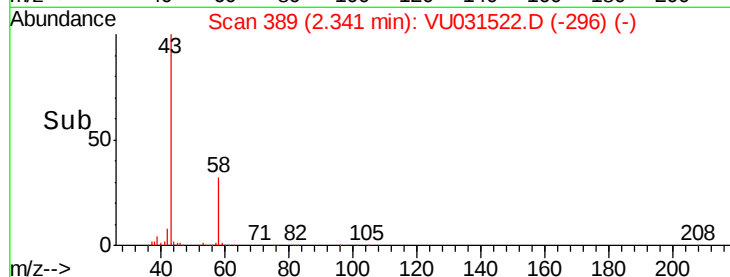
100000

50000

0

2.30 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 63.477 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031522.D

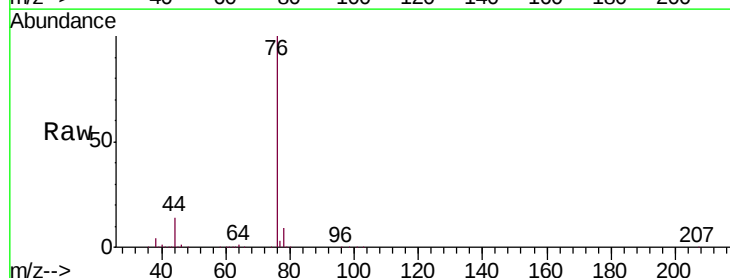
Acq: 26 Apr 2019 11:02

Tgt Ion: 76 Resp: 877668

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031522.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031522.D (-416) (-)

2.47

600000

500000

400000

300000

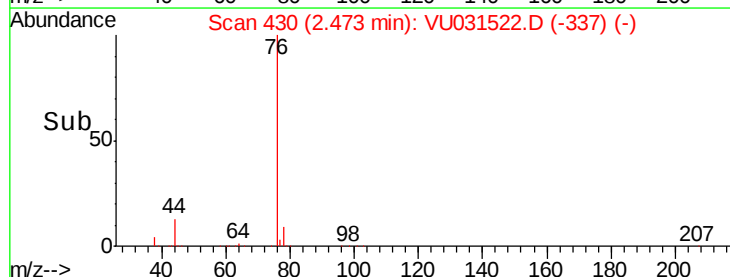
200000

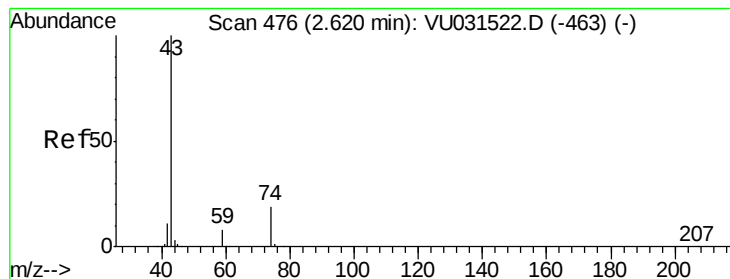
100000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methyl Acetate

Concen: 66.868 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

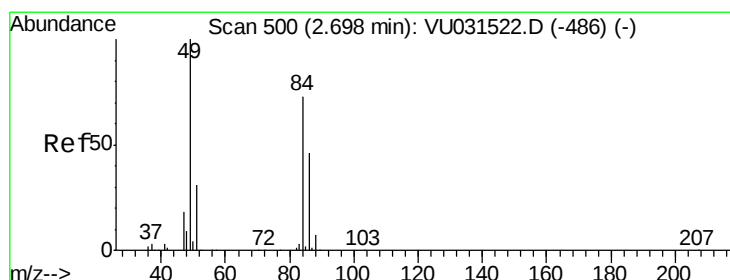
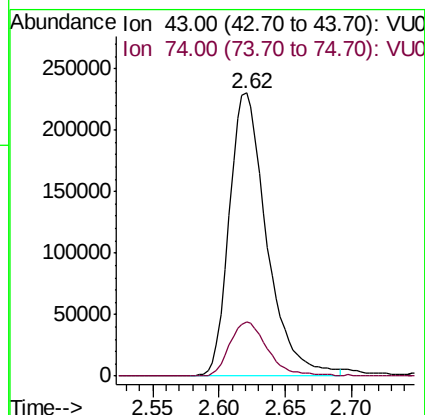
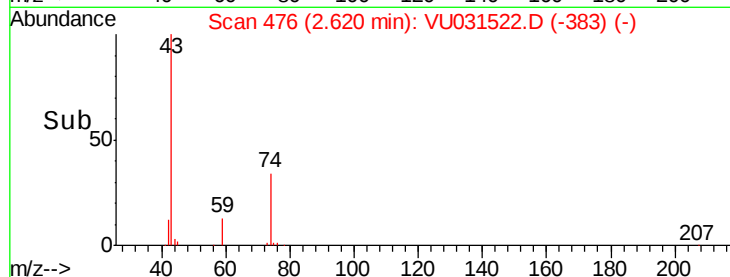
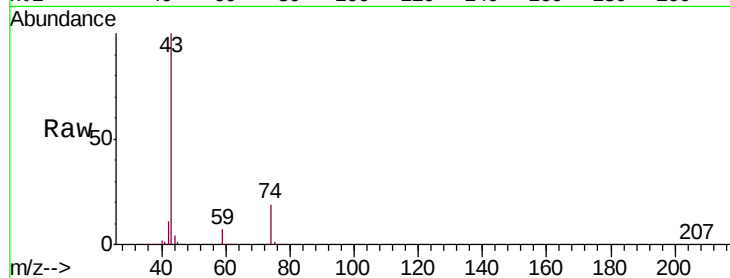
VSTD05051

Tgt Ion: 43 Resp: 449113

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5



#16

Methylene chloride

Concen: 60.979 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

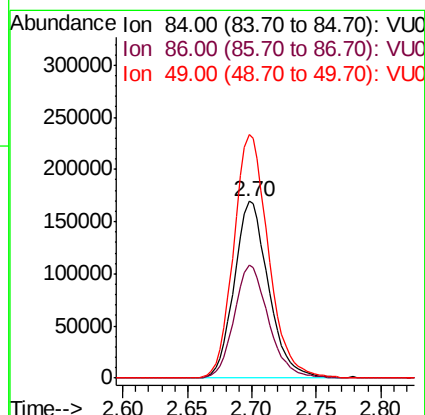
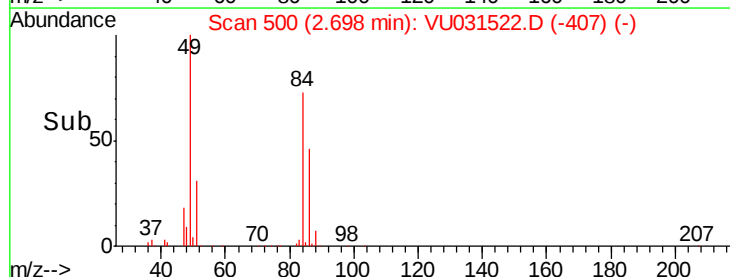
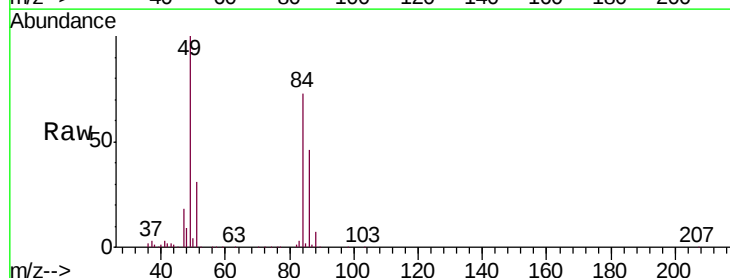
Tgt Ion: 84 Resp: 314603

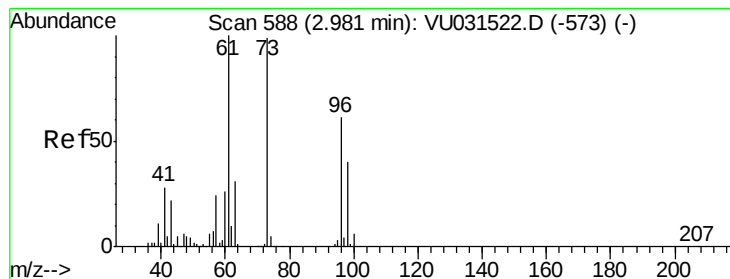
Ion Ratio Lower Upper

84 100

86 63.9 44.7 83.1

49 137.9 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 59.697 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

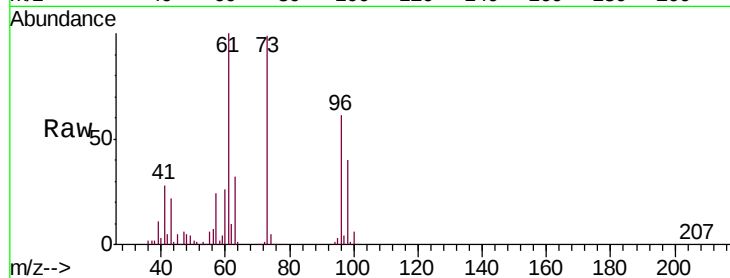
Tgt Ion: 96 Resp: 276001

Ion Ratio Lower Upper

96 100

61 163.6 114.5 212.7

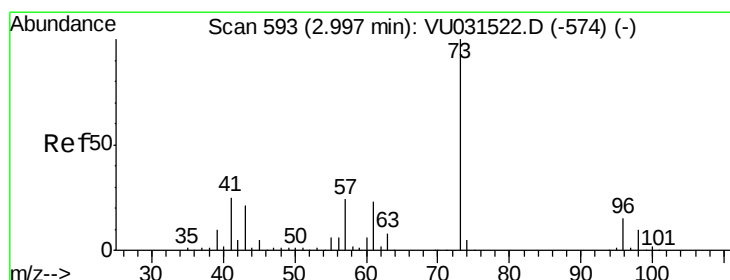
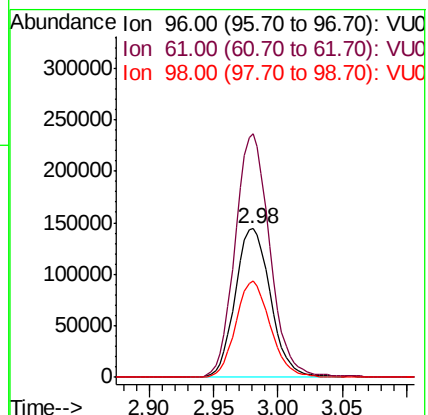
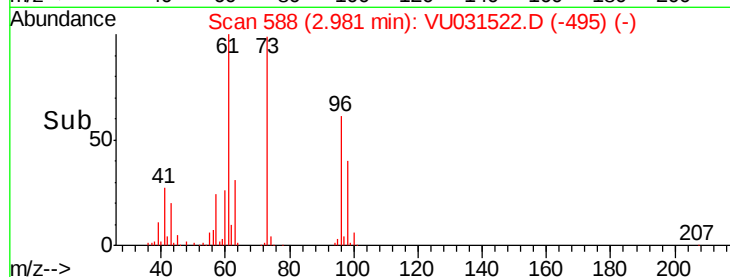
98 64.8 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031522.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031522.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031522.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 59.325 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

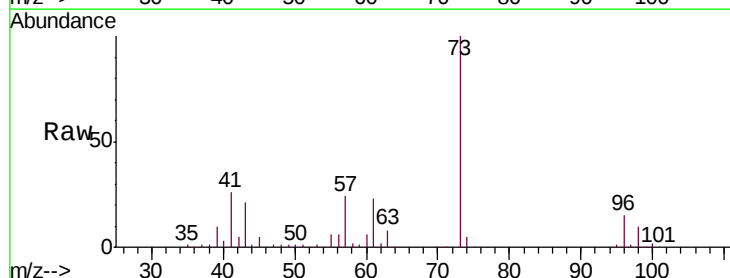
Tgt Ion: 73 Resp: 902052

Ion Ratio Lower Upper

73 100

43 21.2 17.0 25.4

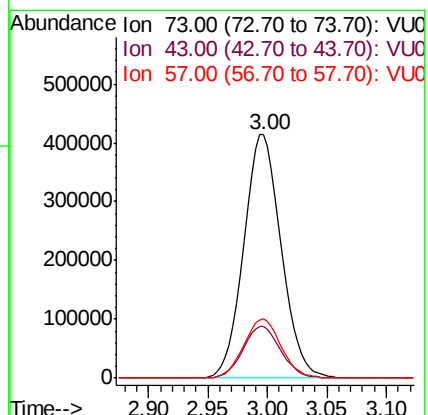
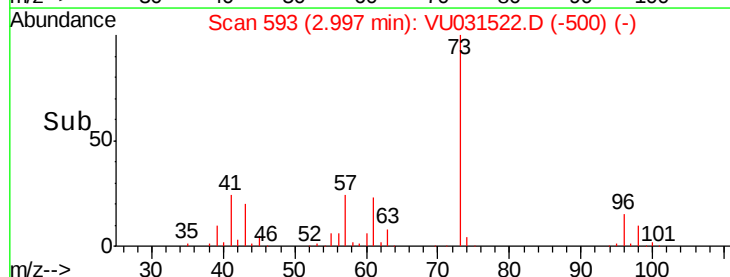
57 24.4 19.5 29.3

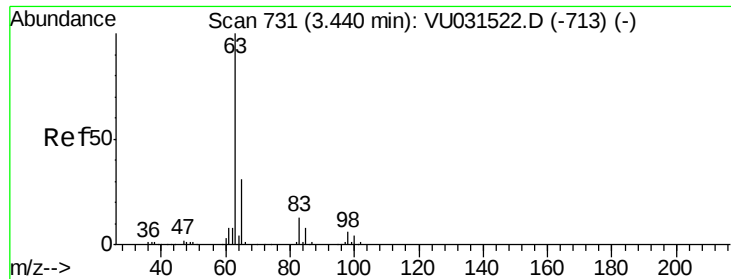


Abundance Ion 73.00 (72.70 to 73.70): VU031522.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031522.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031522.D (-574) (-)

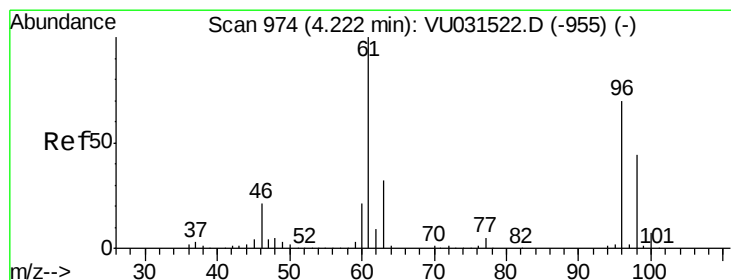
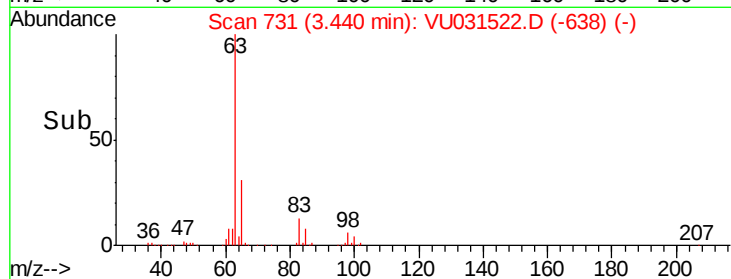
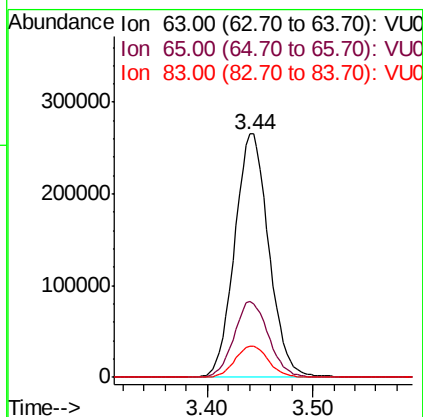
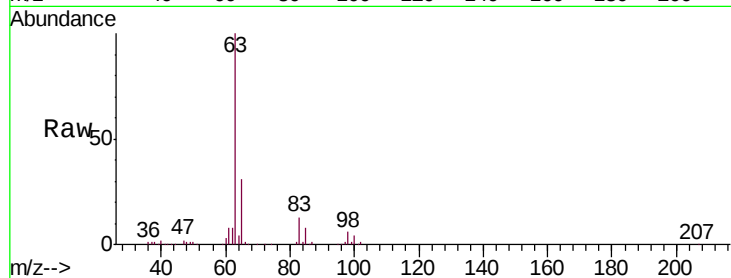




#19
 1,1-Dichloroethane
 Concen: 64.302 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

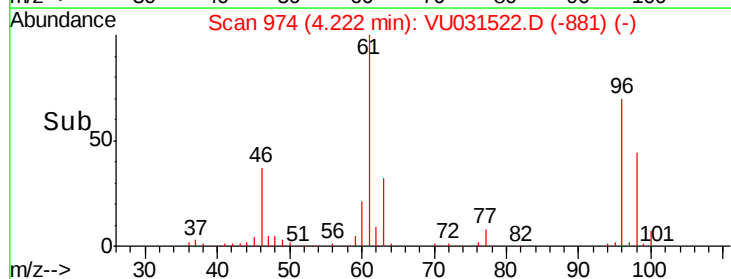
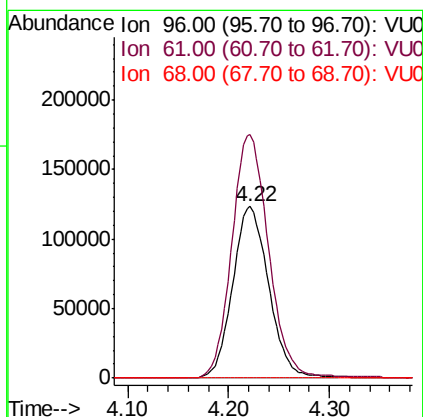
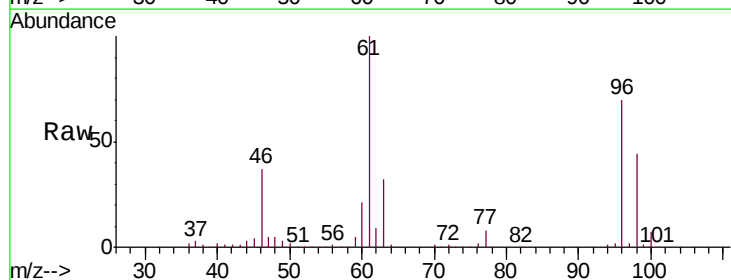
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

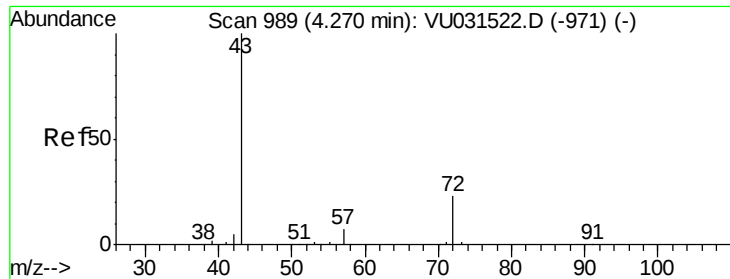
Tgt Ion: 63 Resp: 597360
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 40.8
 83 12.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 58.477 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion: 96 Resp: 306053
 Ion Ratio Lower Upper
 96 100
 61 142.1 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 144.531 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

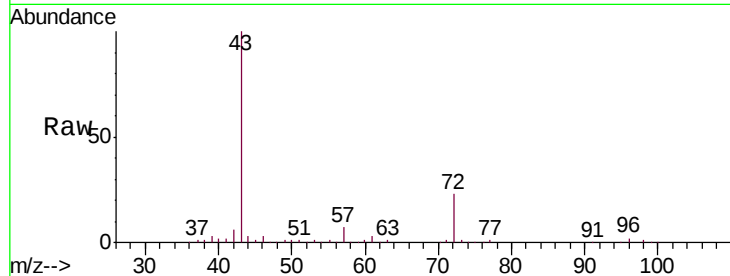
VSTD05051

Tgt Ion: 43 Resp: 696083

Ion Ratio Lower Upper

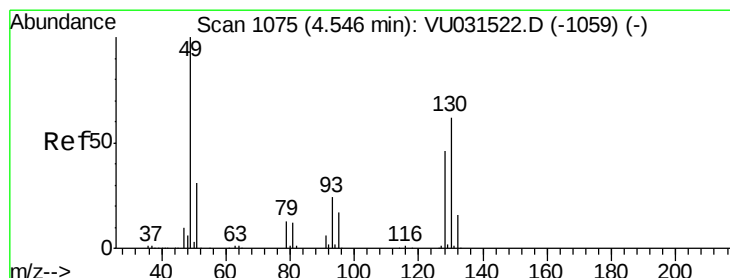
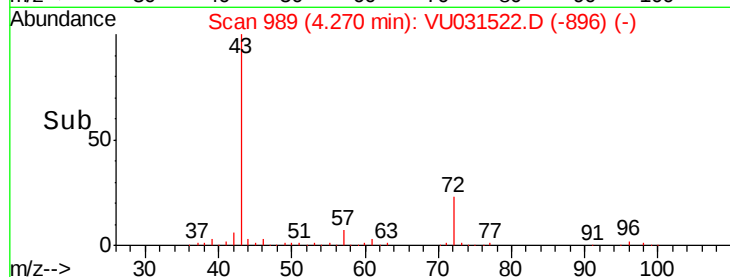
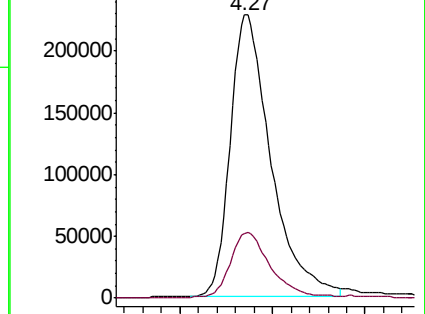
43 100

72 22.8 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031522.D (-971) (-)

Ion 72.00 (71.70 to 72.70): VU031522.D (-971) (-)



#23

Bromochloromethane

Concen: 55.826 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Tgt Ion: 128 Resp: 145064

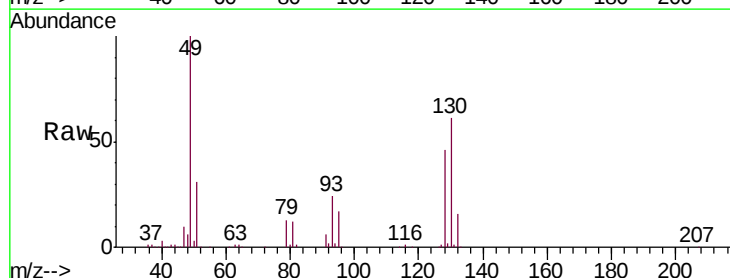
Ion Ratio Lower Upper

128 100

49 218.0 152.6 283.4

130 133.8 93.7 173.9

51 67.8 54.2 81.4

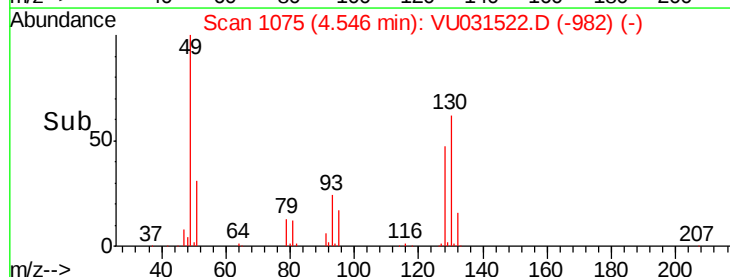
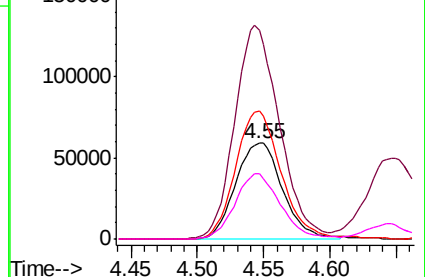


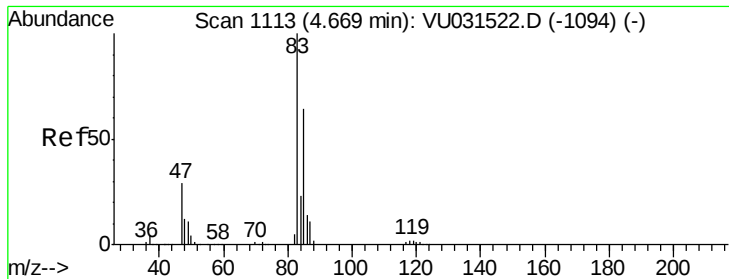
Abundance Ion 128.00 (127.70 to 128.70): VU031522.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU031522.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU031522.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU031522.D (-1059) (-)





#25

Chloroform

Concen: 64.037 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

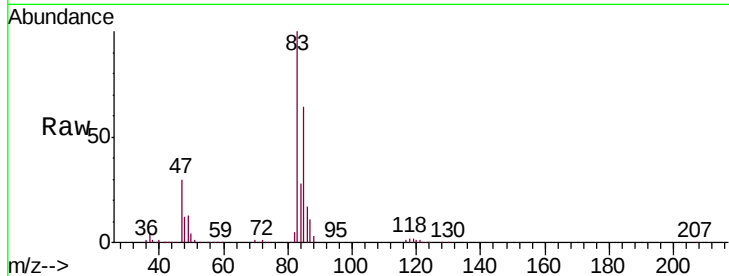
VSTD05051

Tgt Ion: 83 Resp: 569759

Ion Ratio Lower Upper

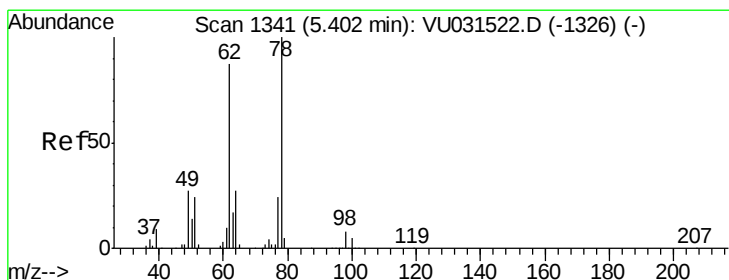
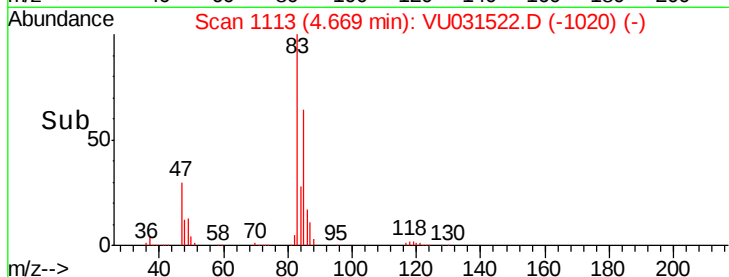
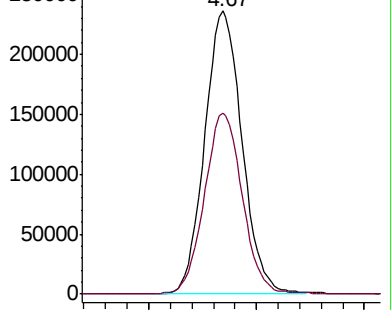
83 100

85 64.1 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU031522.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU031522.D (-1094) (-)



#27

1,2-Dichloroethane

Concen: 67.305 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031522.D

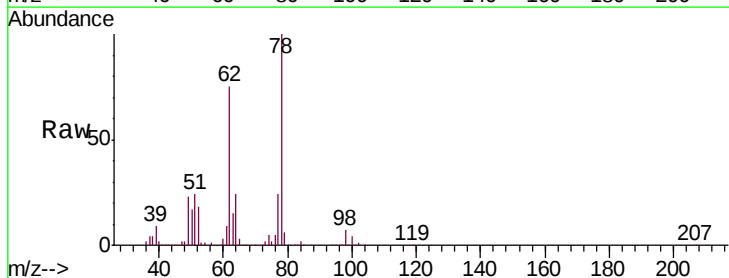
Acq: 26 Apr 2019 11:02

Tgt Ion: 62 Resp: 456992

Ion Ratio Lower Upper

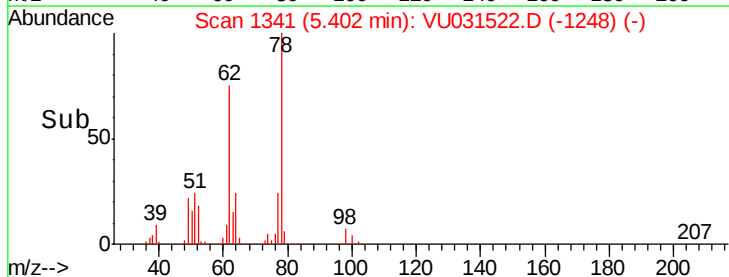
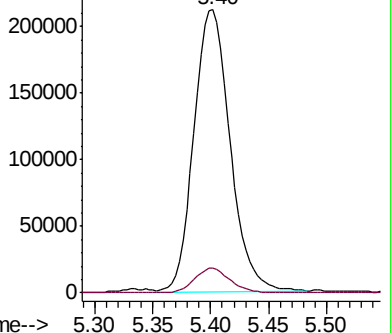
62 100

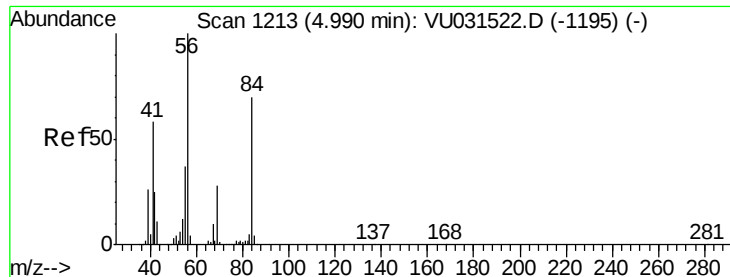
98 8.9 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VU031522.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU031522.D (-1326) (-)





#29

Cyclohexane

Concen: 62.033 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

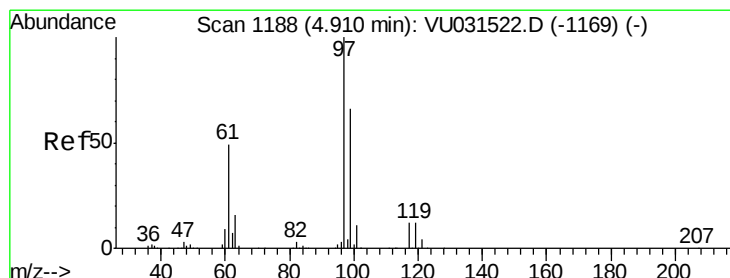
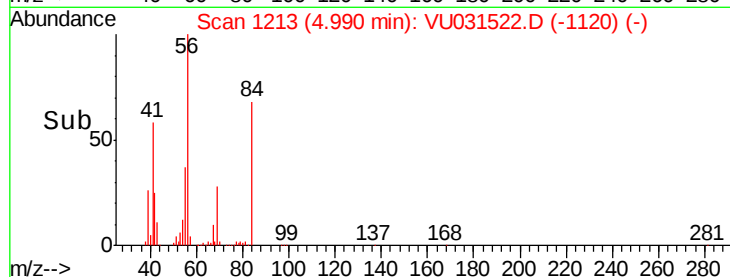
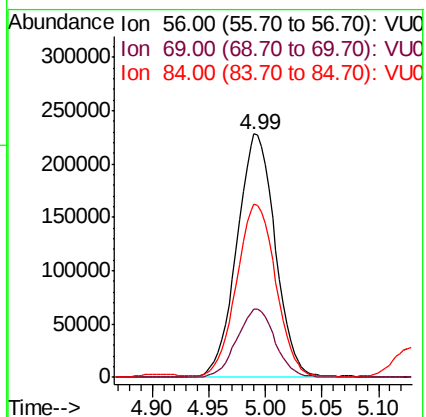
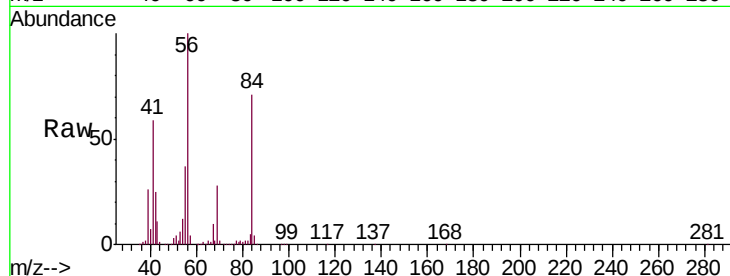
Tgt Ion: 56 Resp: 539336

Ion Ratio Lower Upper

56 100

69 27.9 22.3 33.5

84 71.9 57.5 86.3



#30

1,1,1-Trichloroethane

Concen: 60.694 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

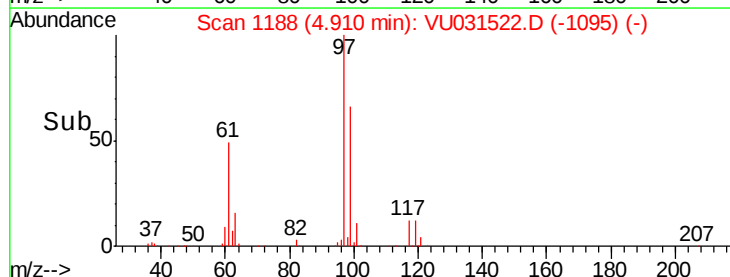
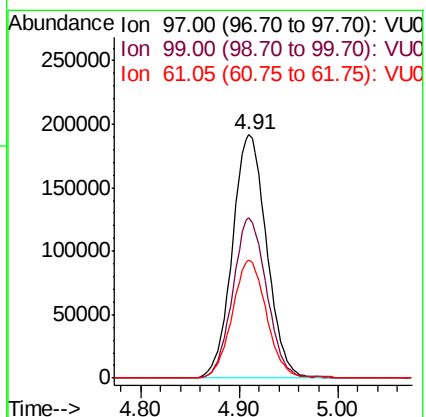
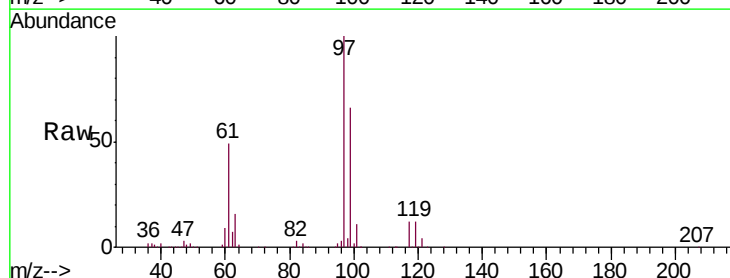
Tgt Ion: 97 Resp: 462912

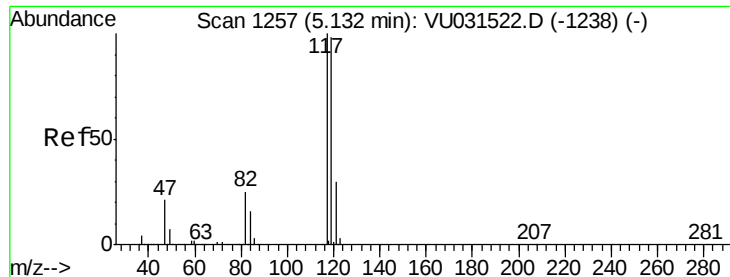
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 48.4 38.7 58.1

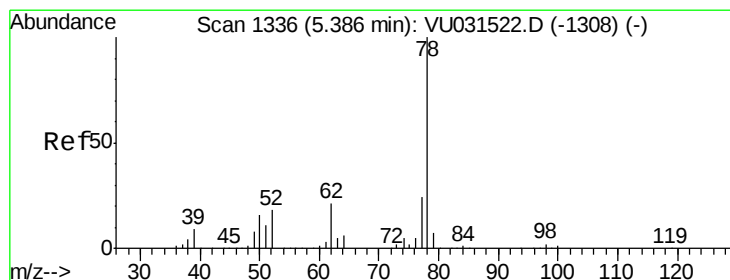
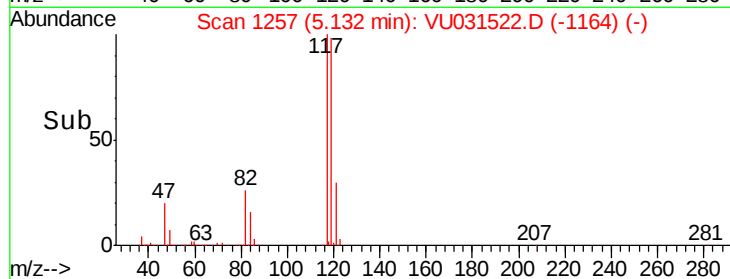
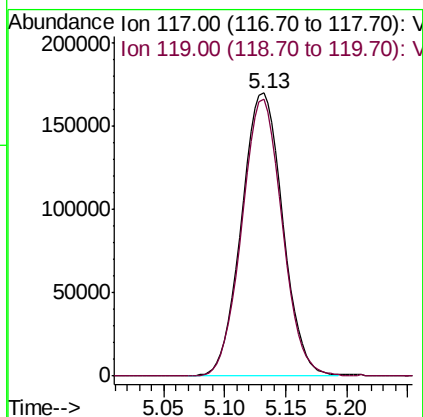
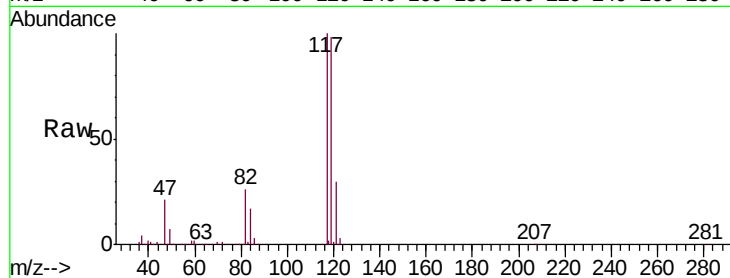




#31
Carbon tetrachloride
Concen: 61.002 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

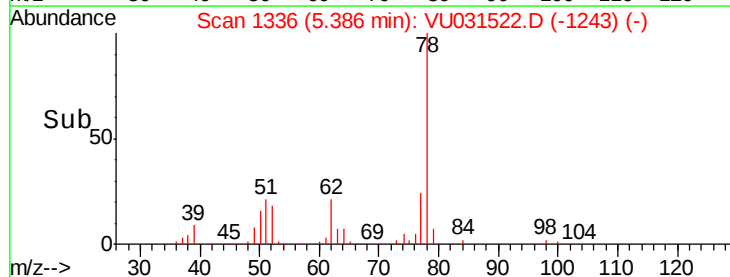
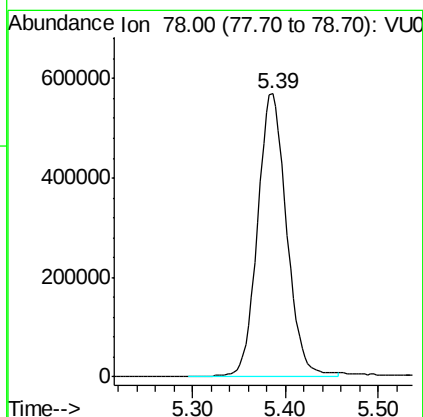
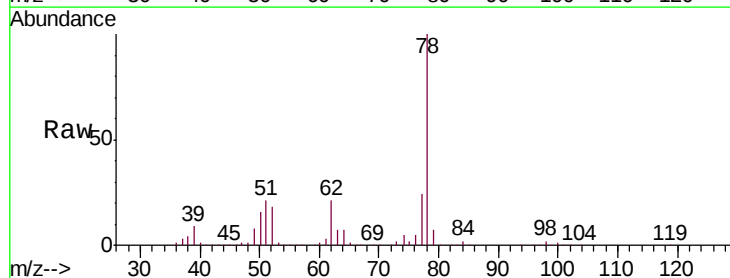
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

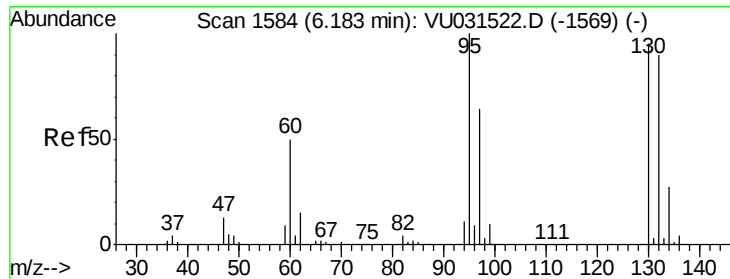
Tgt Ion:117 Resp: 398394
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8



#33
Benzene
Concen: 59.932 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Tgt Ion: 78 Resp: 1239271

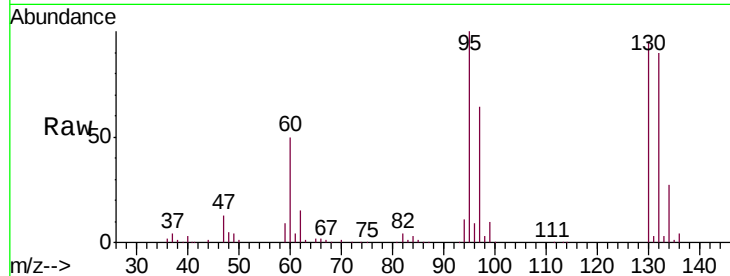




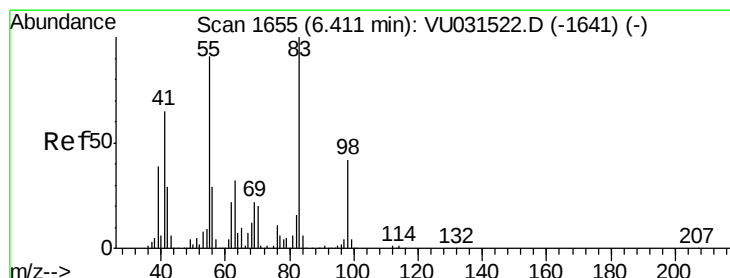
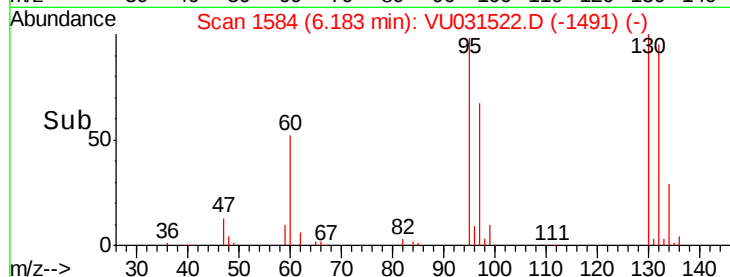
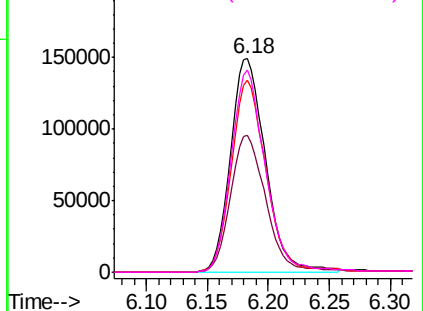
#34
 Trichloroethene
 Concen: 55.319 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Tgt Ion: 95 Resp: 298600
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.8 83.2
 132 90.1 63.1 117.1
 130 95.0 66.5 123.5

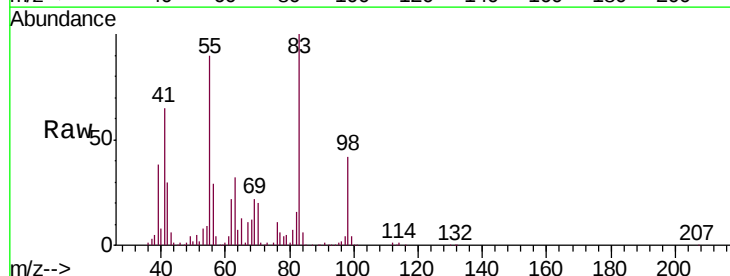


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

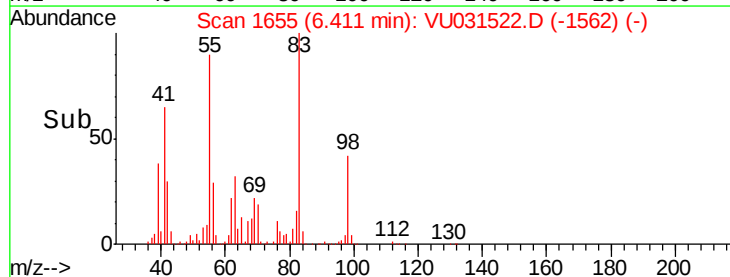
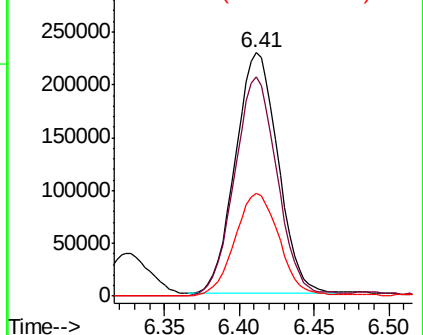


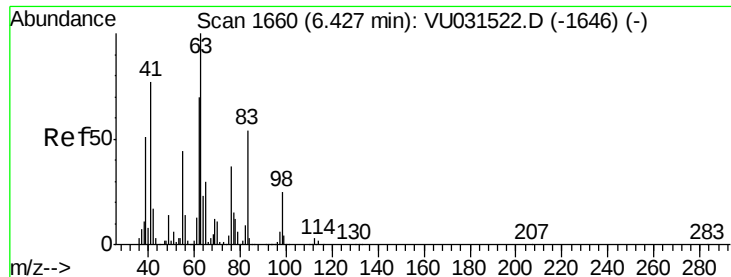
#35
 Methylcyclohexane
 Concen: 57.427 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion: 83 Resp: 455183
 Ion Ratio Lower Upper
 83 100
 55 91.2 73.0 109.4
 98 44.1 35.3 52.9



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

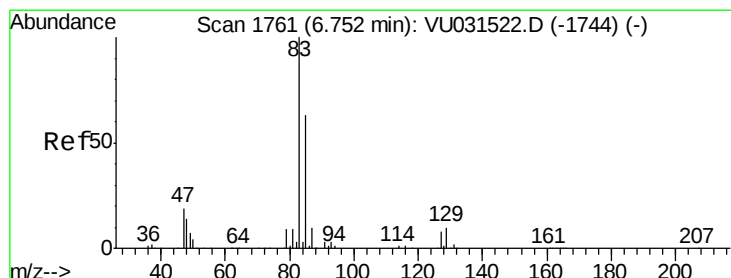
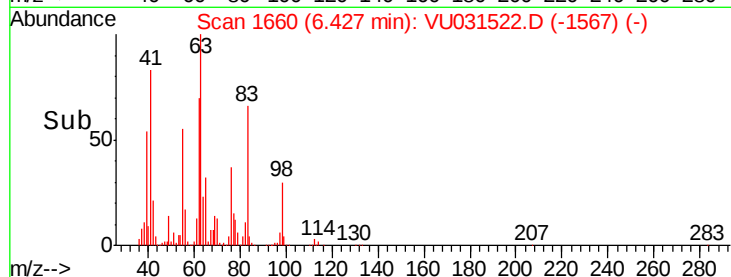
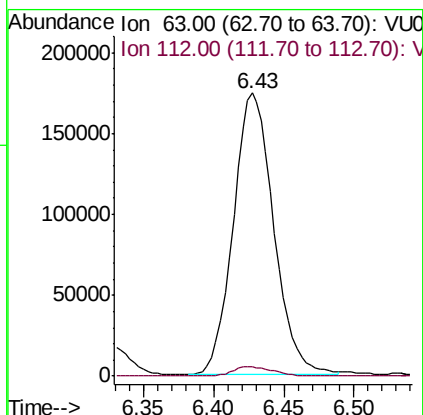
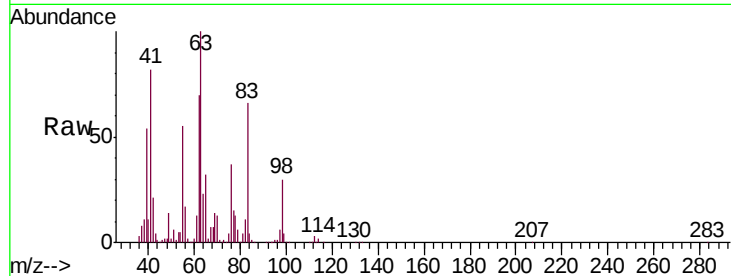




#37
 1,2-Dichloropropane
 Concen: 62.530 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

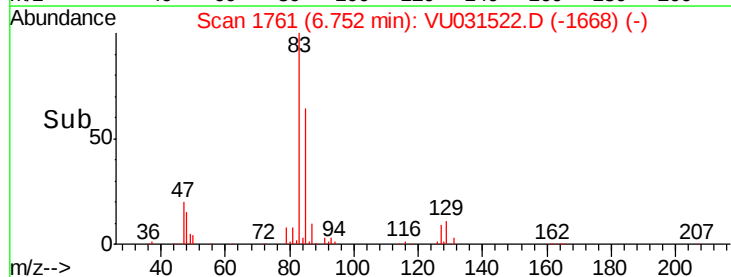
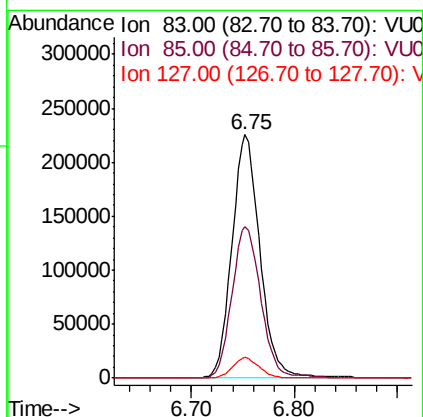
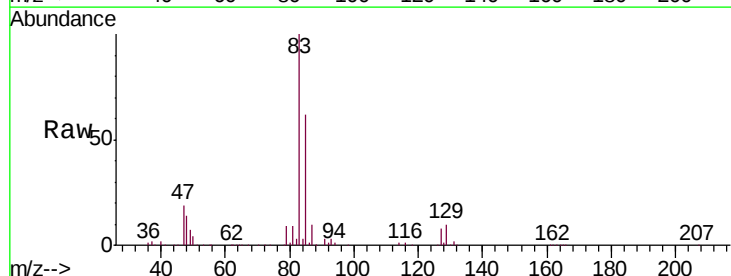
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

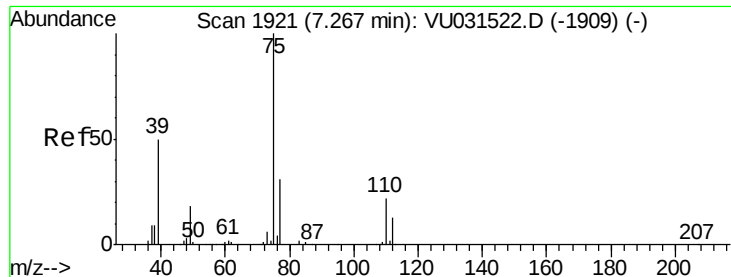
Tgt Ion: 63 Resp: 349710
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 62.029 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion: 83 Resp: 423161
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.7 81.1
 127 8.4 6.7 10.1

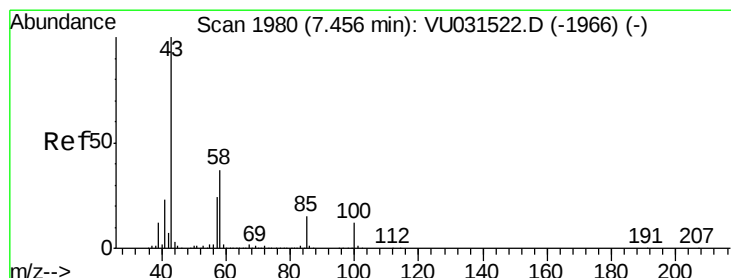
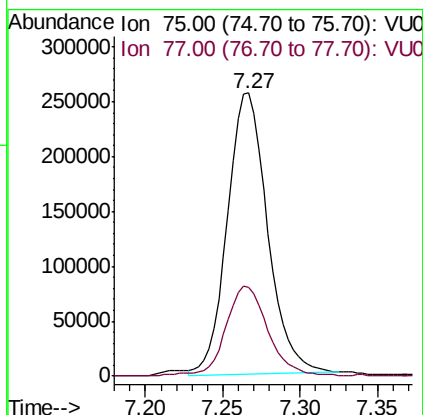
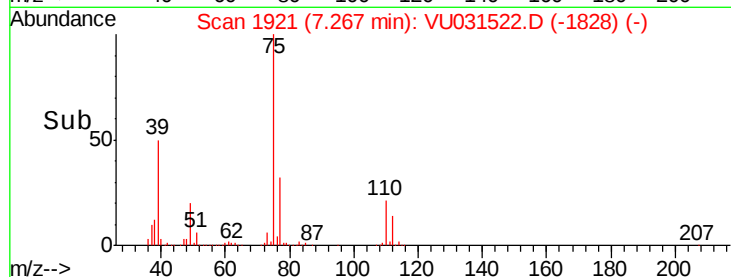
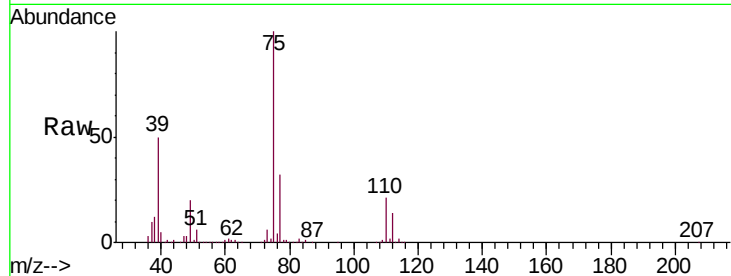




#39
 cis-1,3-Dichloropropene
 Concen: 57.200 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

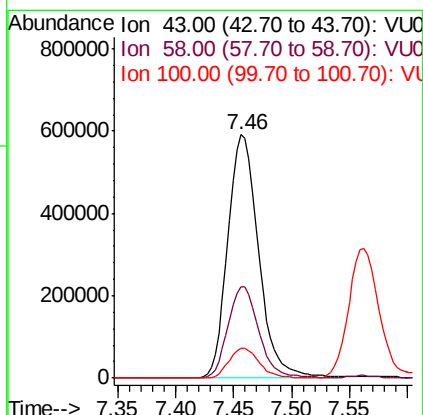
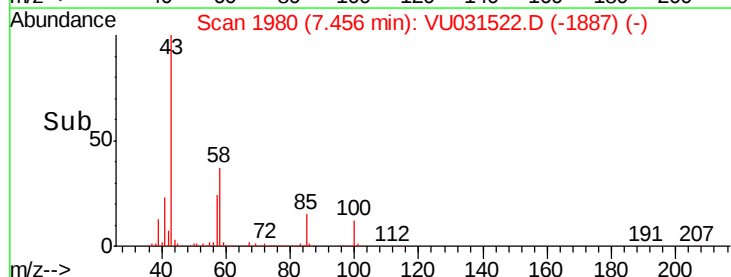
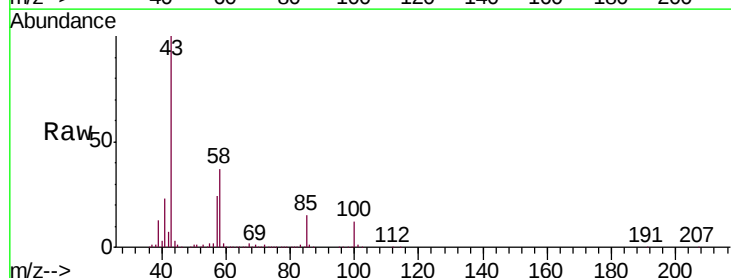
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

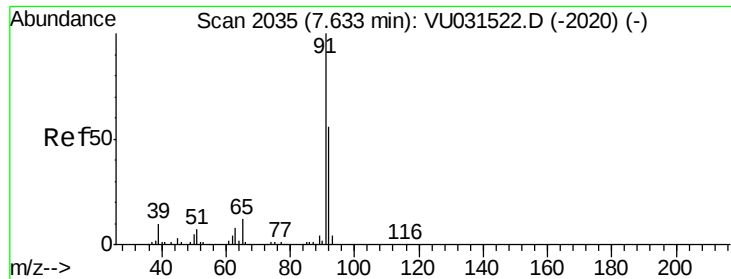
Tgt Ion: 75 Resp: 460343
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 127.774 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion: 43 Resp: 1089084
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1
 100 12.0 9.6 14.4





#42

Toluene

Concen: 59.308 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

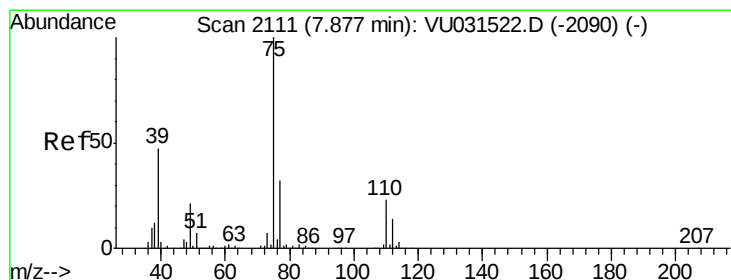
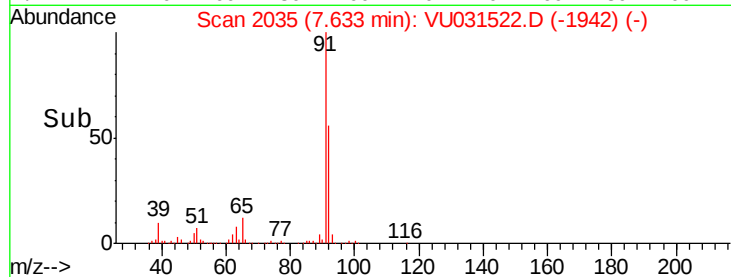
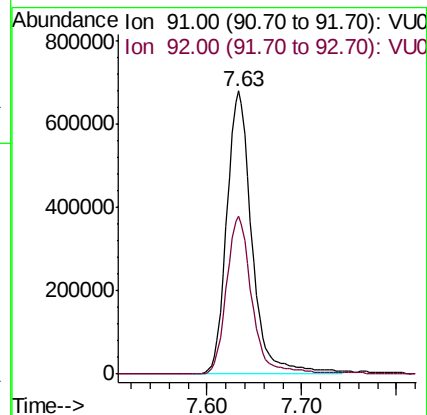
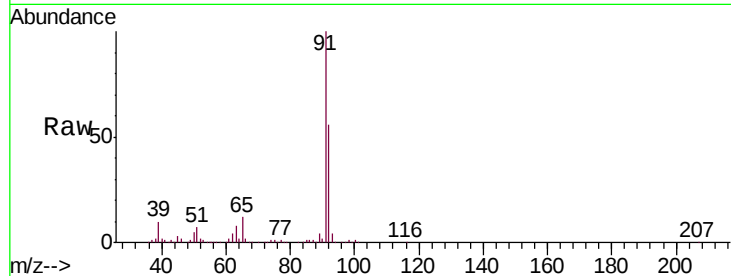
VSTD05051

Tgt Ion: 91 Resp: 1261064

Ion Ratio Lower Upper

91 100

92 55.7 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 60.156 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031522.D

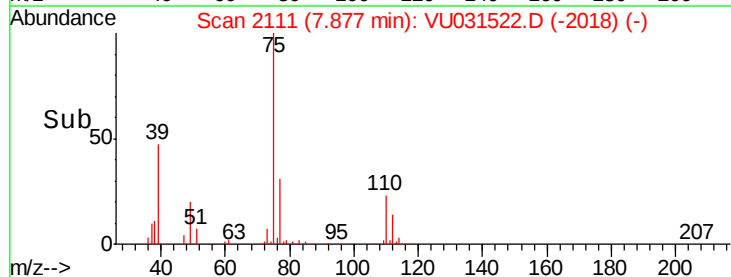
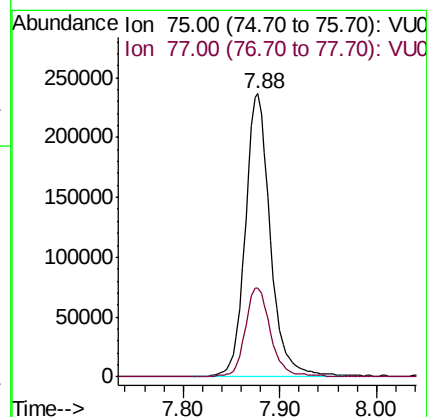
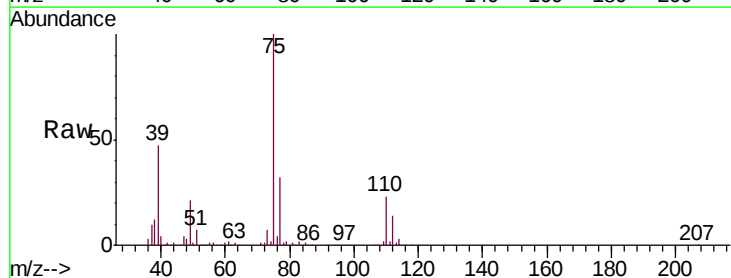
Acq: 26 Apr 2019 11:02

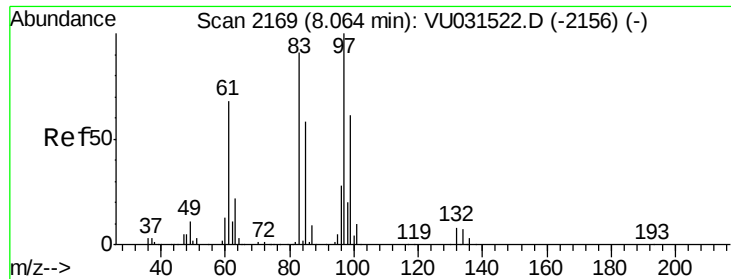
Tgt Ion: 75 Resp: 425991

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

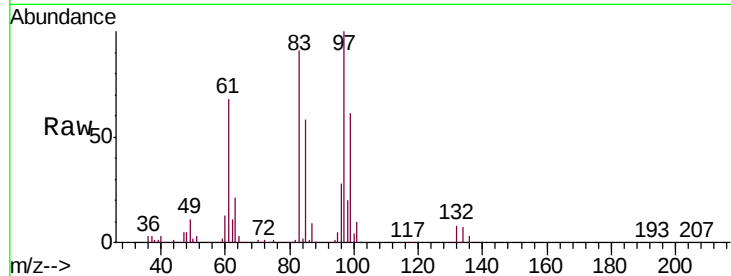




#45
1,1,2-Trichloroethane
Concen: 58.076 ug/L
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

Tgt Ion:	97	Resp:	291631
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	90.9	63.6	118.2
85	57.9	40.5	75.3



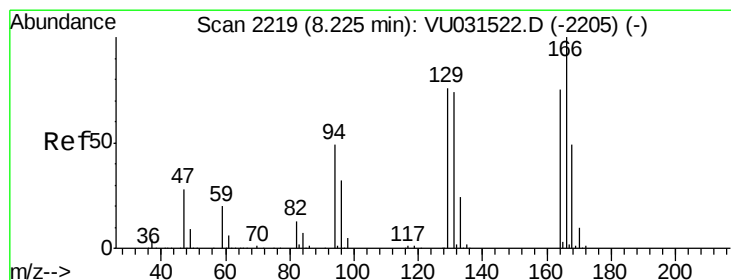
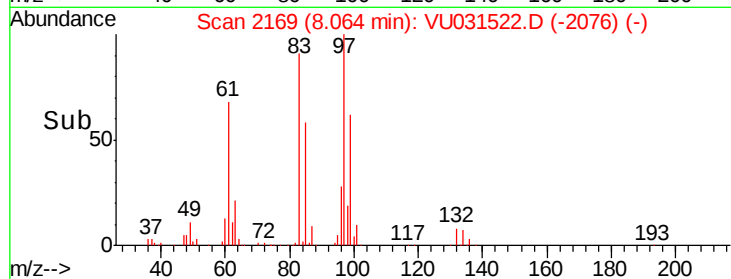
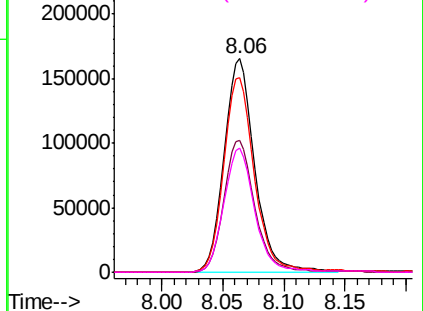
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

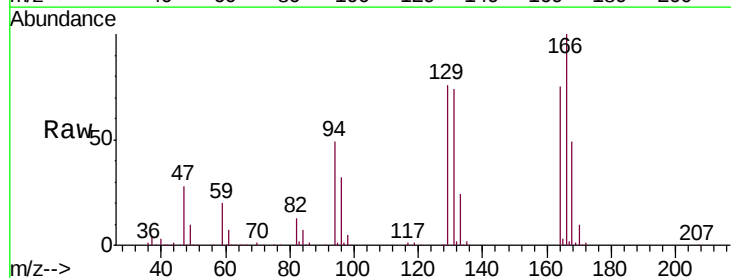
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 53.324 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Tgt Ion:	164	Resp:	199507
Ion	Ratio	Lower	Upper
164	100		
129	102.2	71.5	132.9
131	98.6	69.0	128.2
166	133.8	93.7	173.9



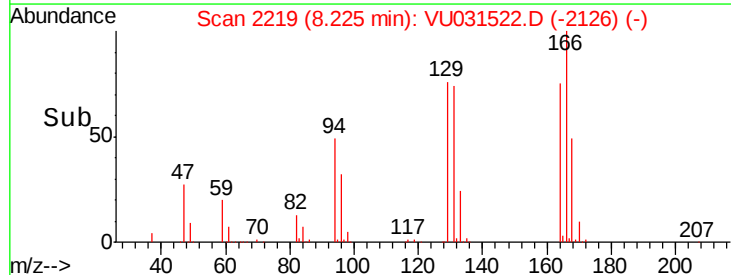
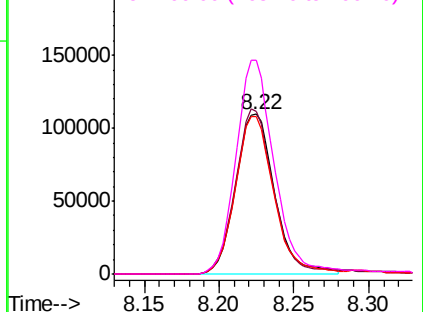
Abundance

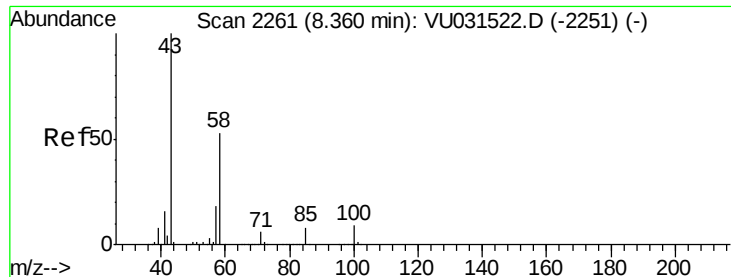
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

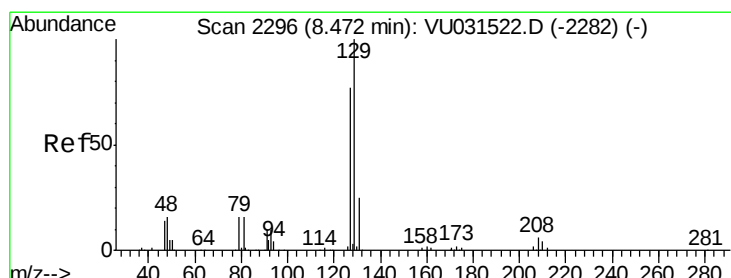
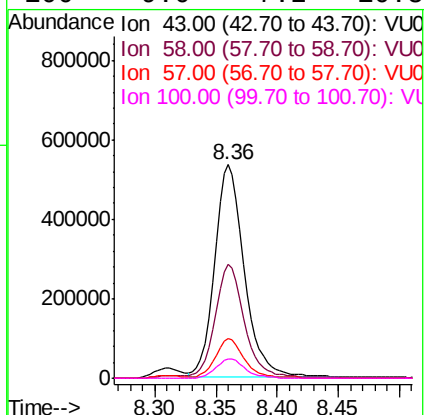
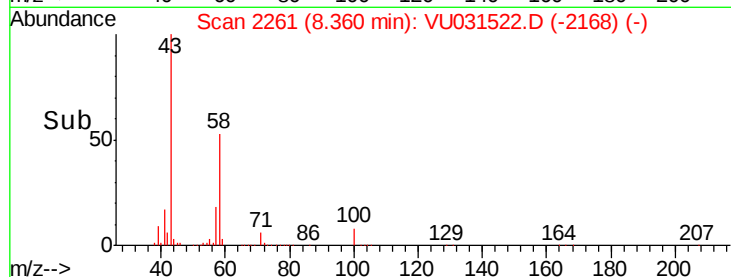
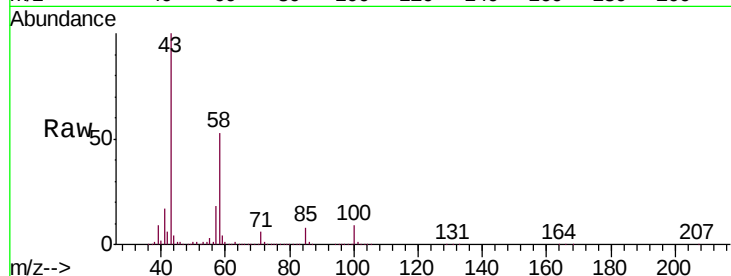




#48
2-Hexanone
Concen: 135.231 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

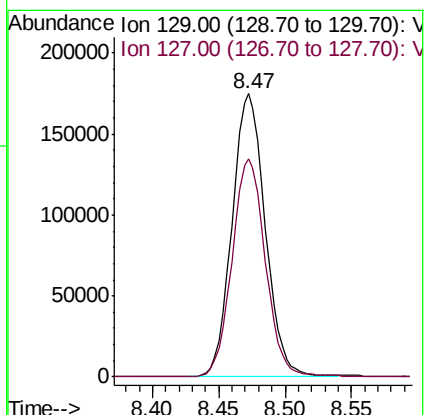
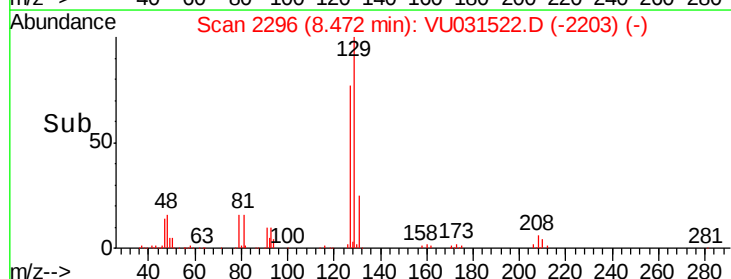
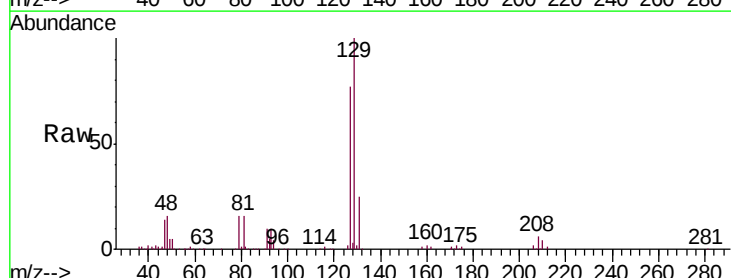
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

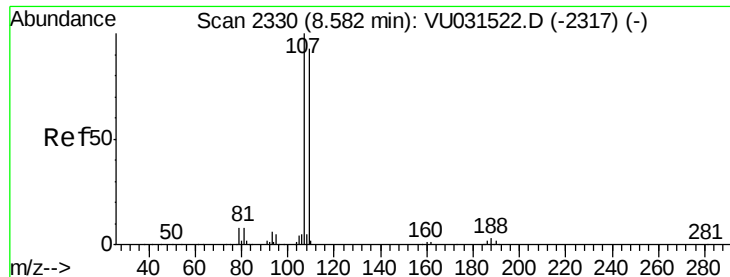
Tgt Ion: 43 Resp: 911265
Ion Ratio Lower Upper
43 100
58 52.6 42.1 63.1
57 18.3 14.6 22.0
100 9.0 7.2 10.8



#49
Dibromochloromethane
Concen: 57.513 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Tgt Ion: 129 Resp: 304361
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2

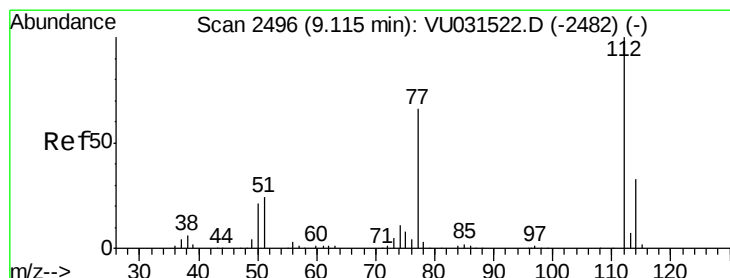
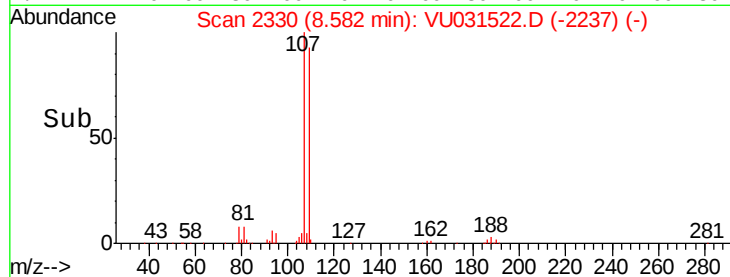
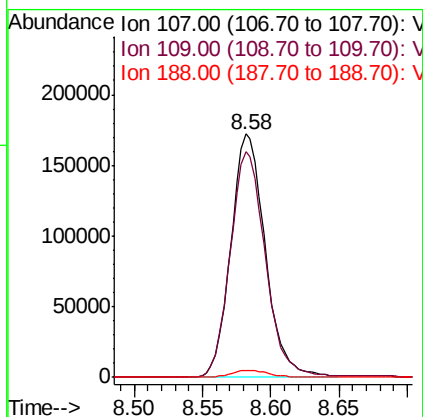
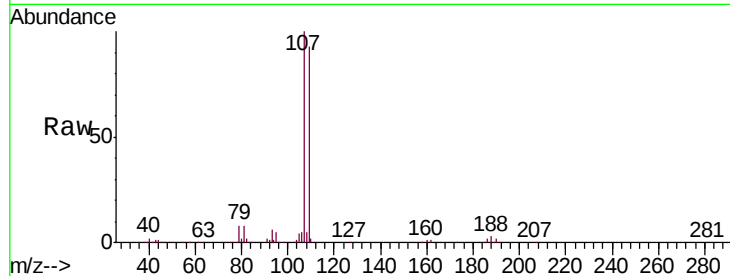




#50
1,2-Dibromoethane
Concen: 57.779 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

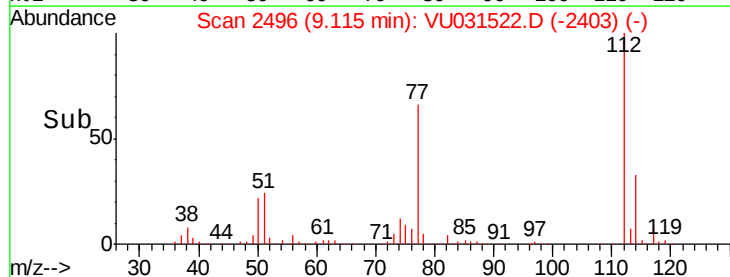
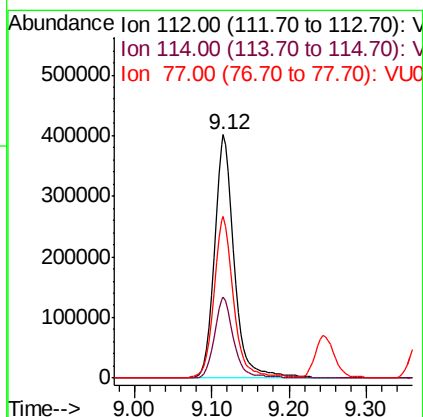
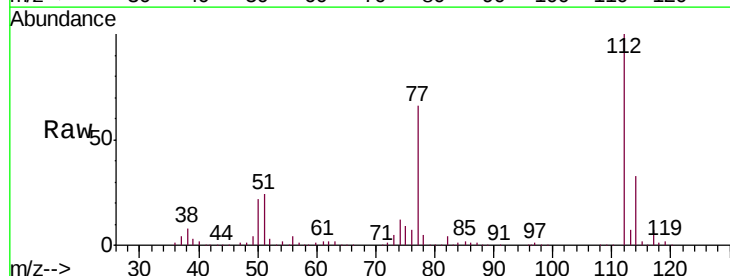
Instrument :
MSVOA_U
ClientSampleId :
VSTD05051

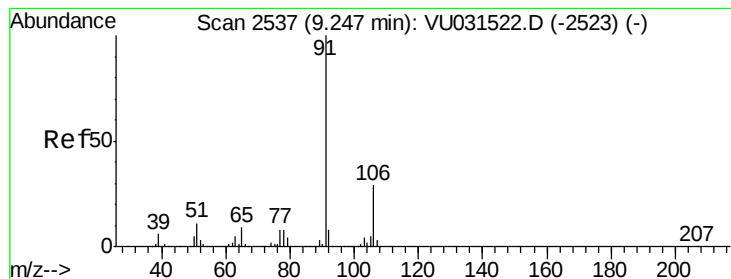
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.9	120.5
188	3.0	2.4	3.6



#51
Chlorobenzene
Concen: 55.780 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031522.D
Acq: 26 Apr 2019 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.3	23.3	43.3
77	66.2	53.0	79.4





#52

Ethylbenzene

Concen: 57.815 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

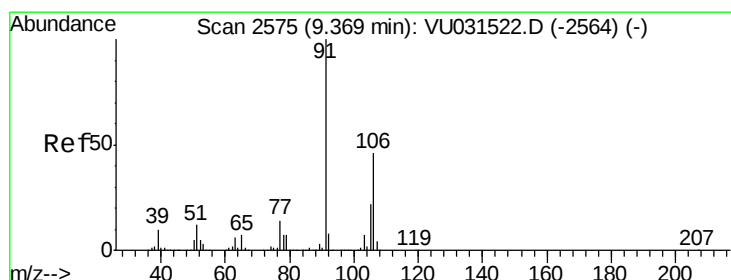
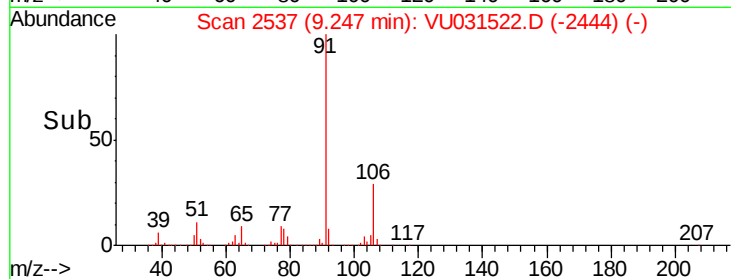
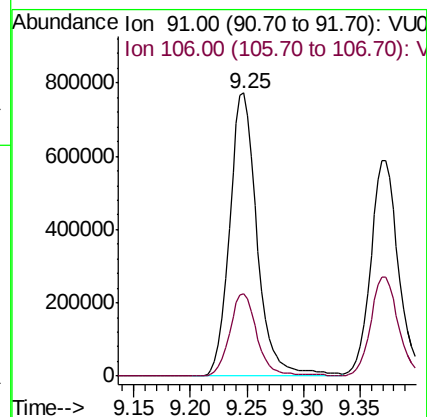
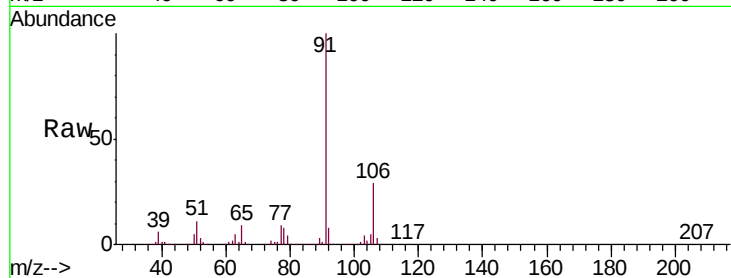
VSTD05051

Tgt Ion: 91 Resp: 1310226

Ion Ratio Lower Upper

91 100

106 29.1 20.4 37.8



#53

m,p-Xylene

Concen: 55.362 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031522.D

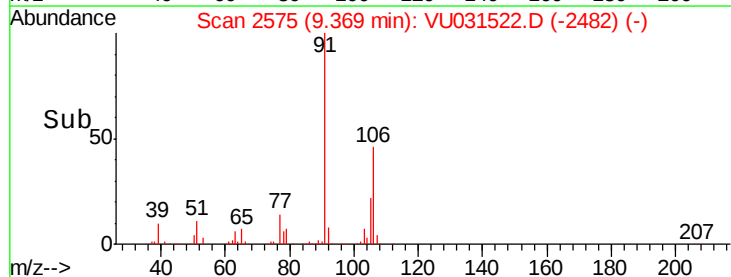
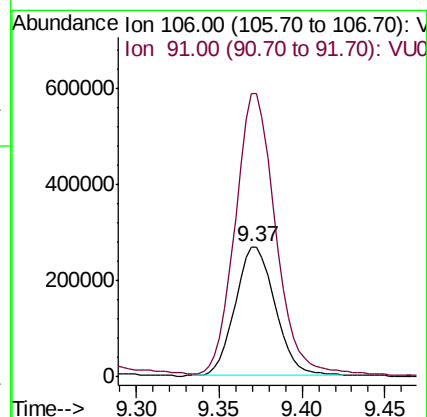
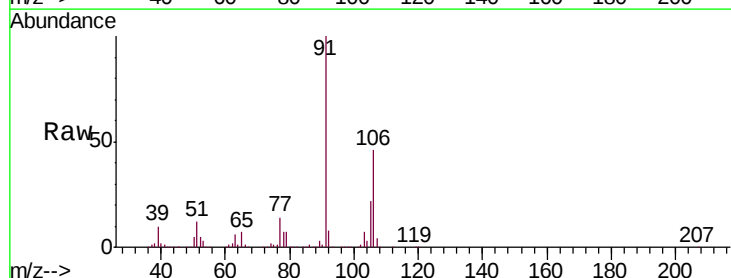
Acq: 26 Apr 2019 11:02

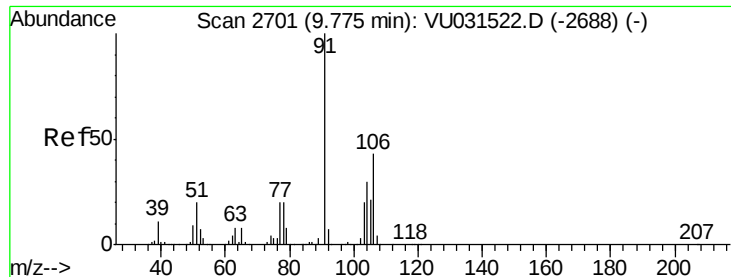
Tgt Ion: 106 Resp: 450133

Ion Ratio Lower Upper

106 100

91 217.4 152.2 282.6





#54

o-xylene

Concen: 56.185 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

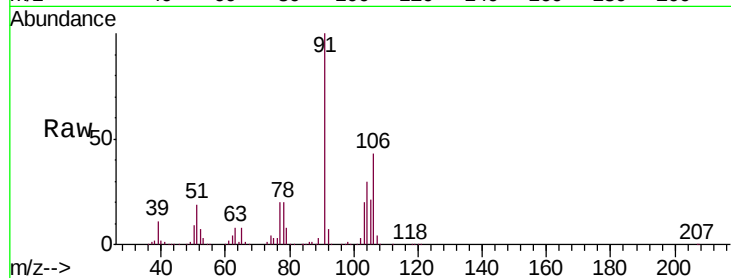
VSTD05051

Tgt Ion:106 Resp: 461017

Ion Ratio Lower Upper

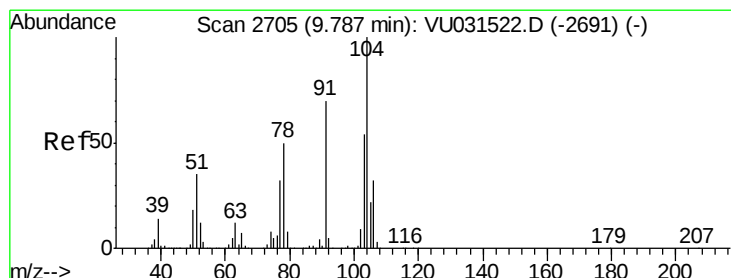
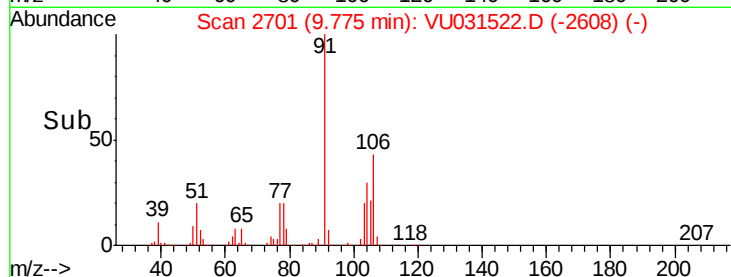
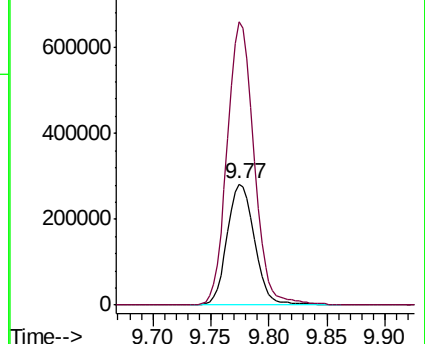
106 100

91 233.2 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 58.612 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031522.D

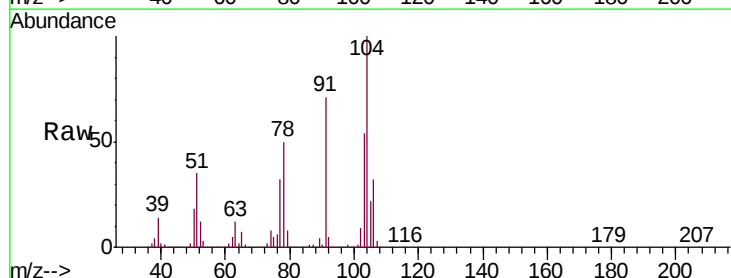
Acq: 26 Apr 2019 11:02

Tgt Ion:104 Resp: 809600

Ion Ratio Lower Upper

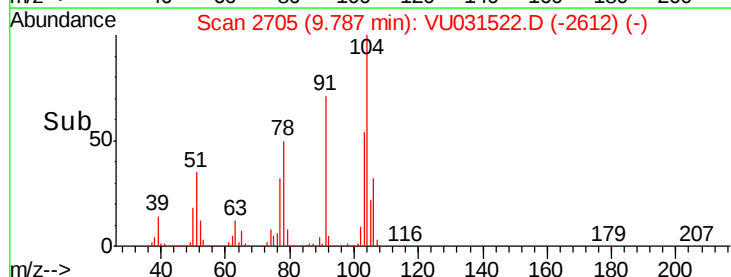
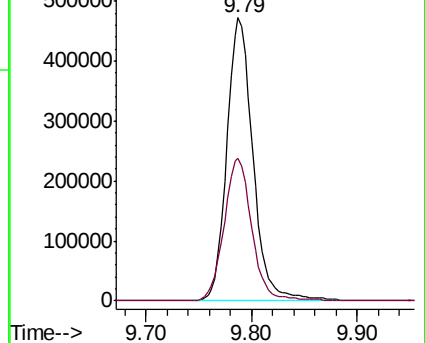
104 100

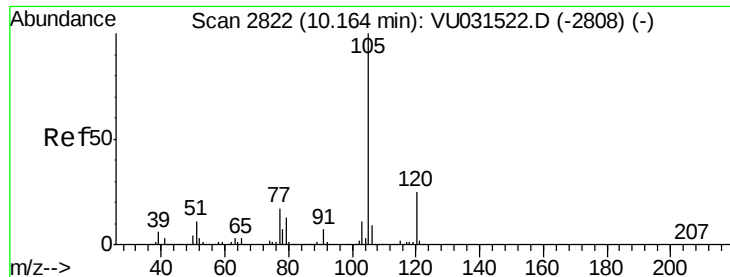
78 50.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 57.154 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

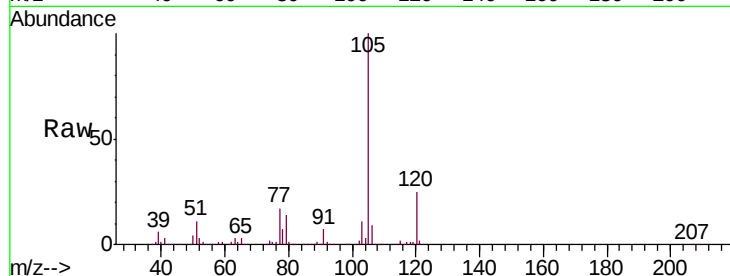
Tgt Ion: 105 Resp: 1207818

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

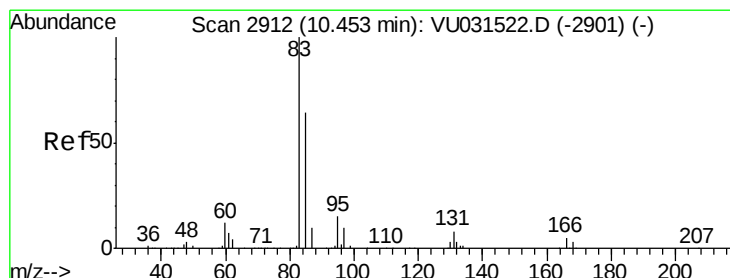
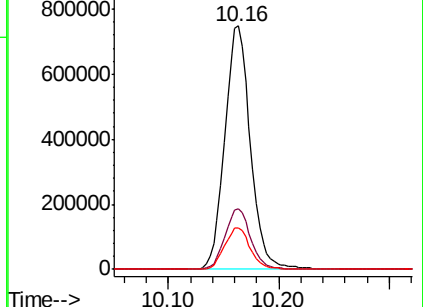
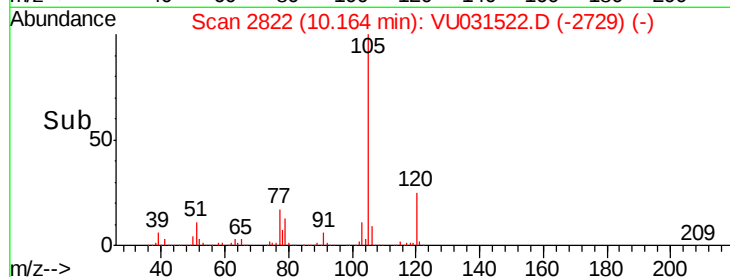
77 17.2 13.8 20.6



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: 58.464 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

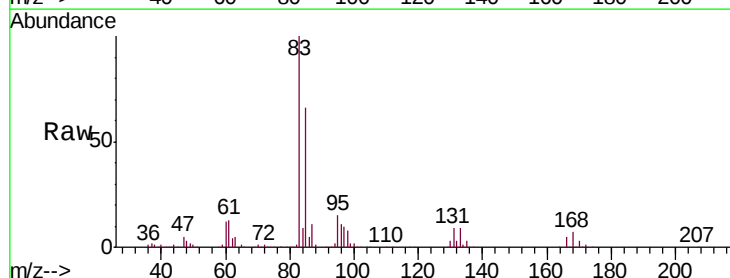
Tgt Ion: 83 Resp: 507169

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

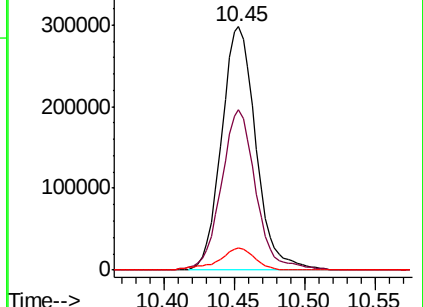
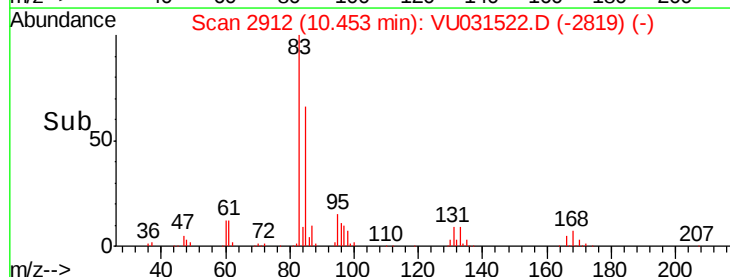
131 9.1 7.3 10.9

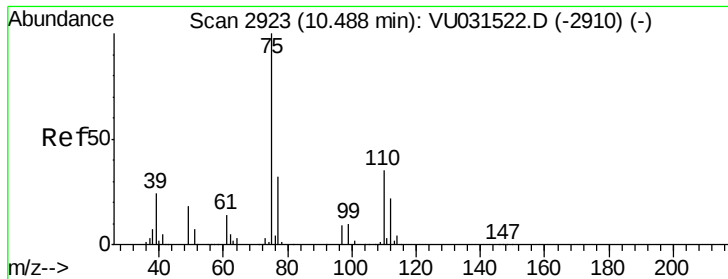


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 60.215 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

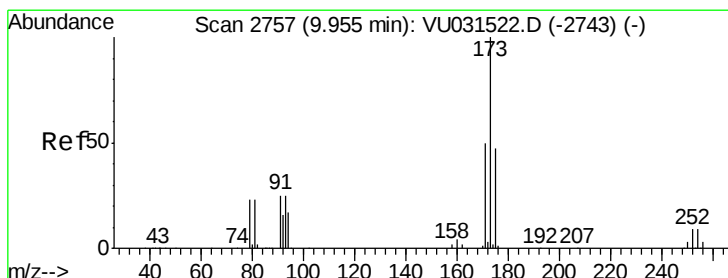
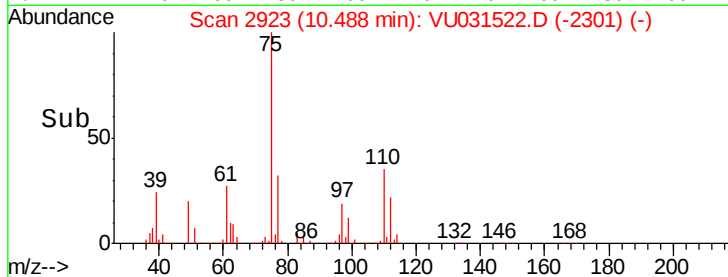
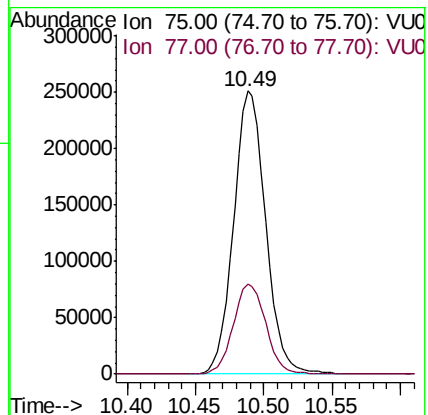
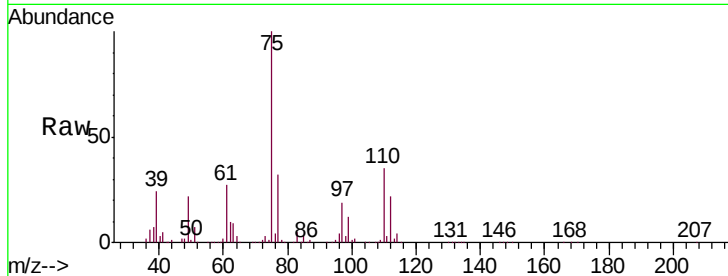
VSTD05051

Tgt Ion: 75 Resp: 409056

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 56.017 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

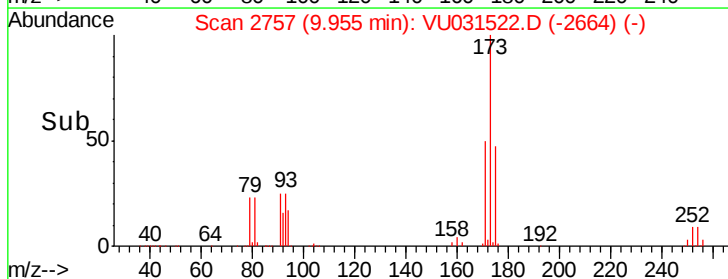
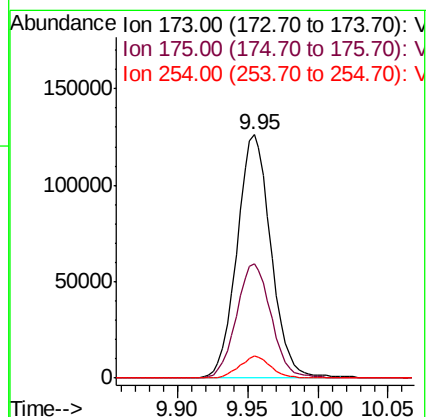
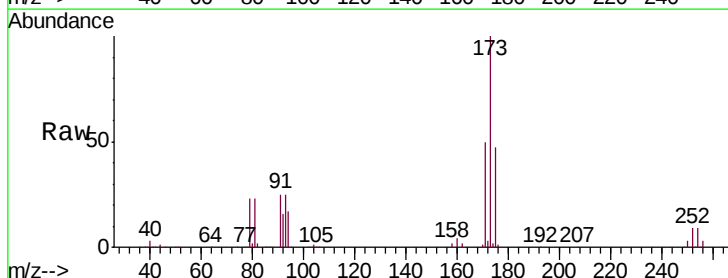
Tgt Ion: 173 Resp: 213529

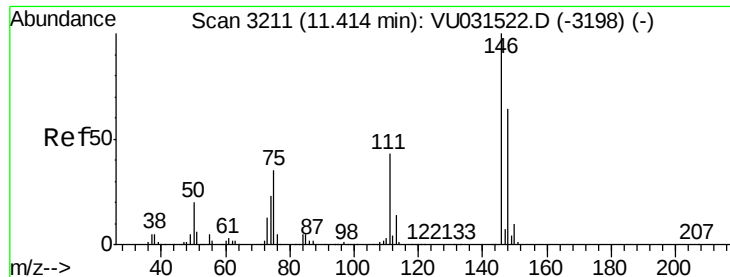
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 8.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 54.370 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

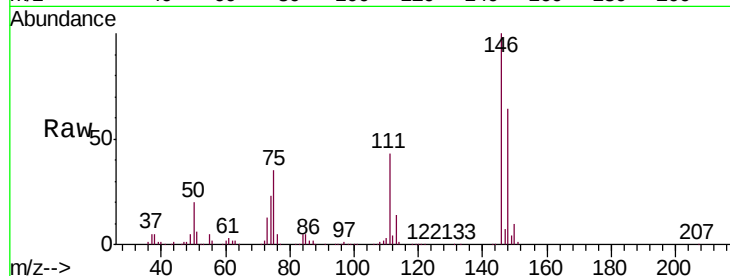
Tgt Ion:146 Resp: 487809

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

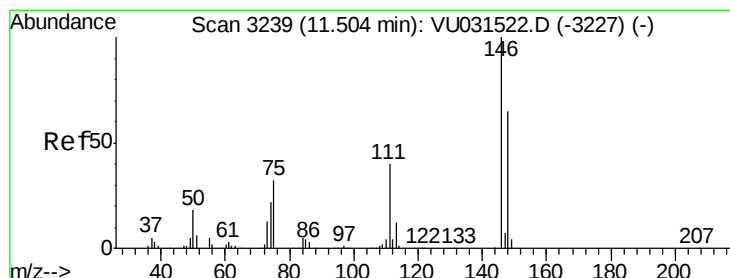
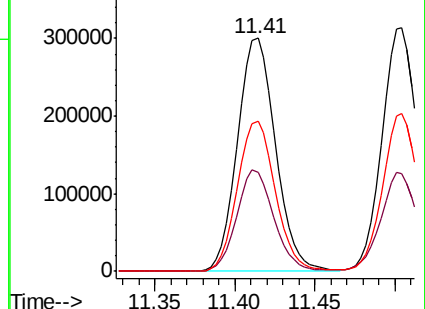
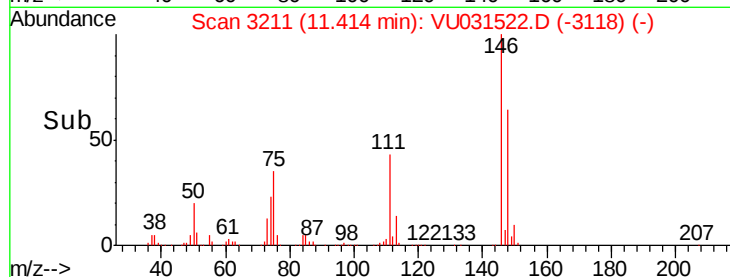
148 64.5 45.1 83.9



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: 55.847 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

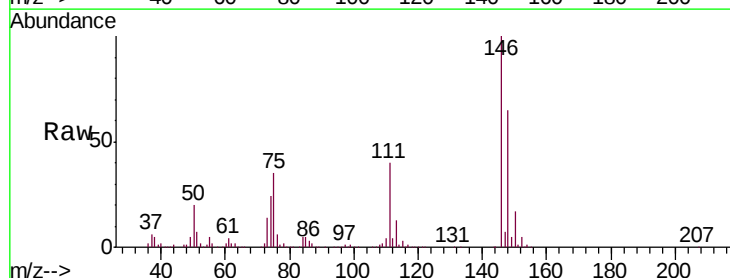
Tgt Ion:146 Resp: 502338

Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

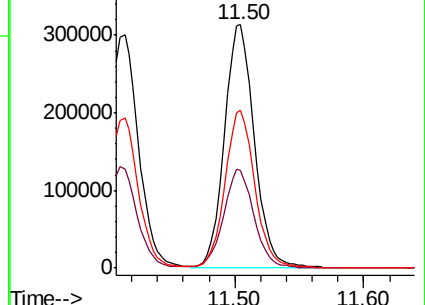
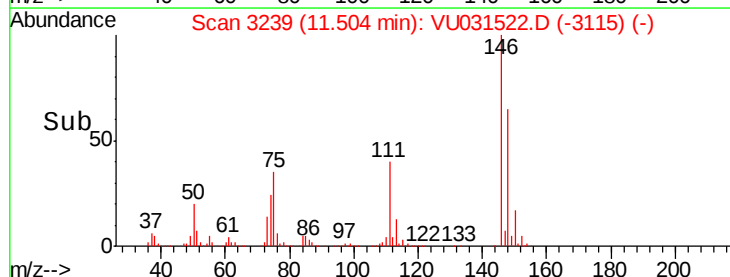
148 64.9 45.4 84.4

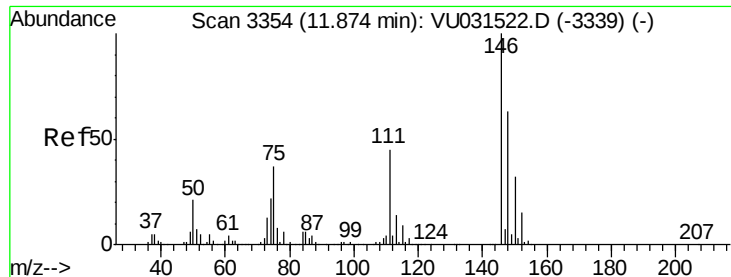


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

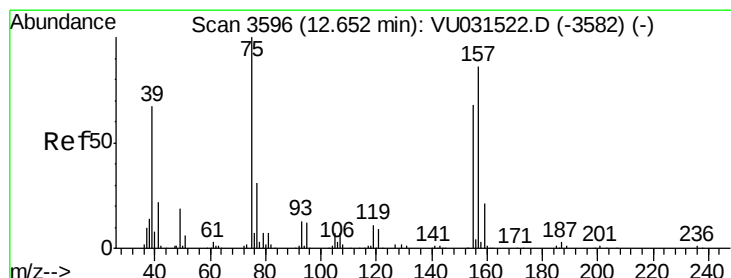
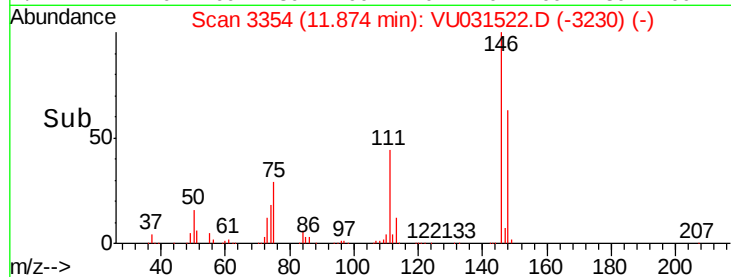
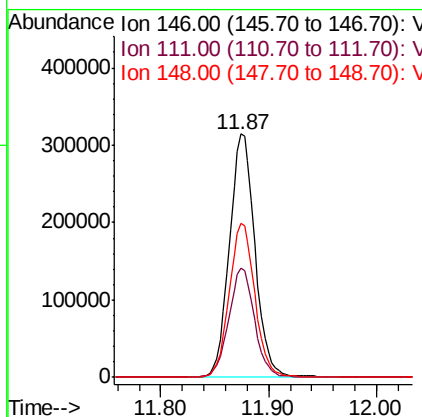
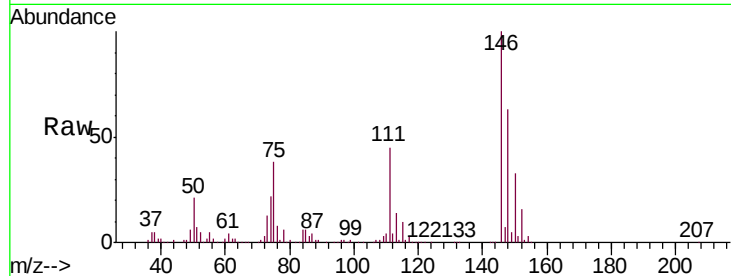




#65
 1,2-Dichlorobenzene
 Concen: 56.098 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

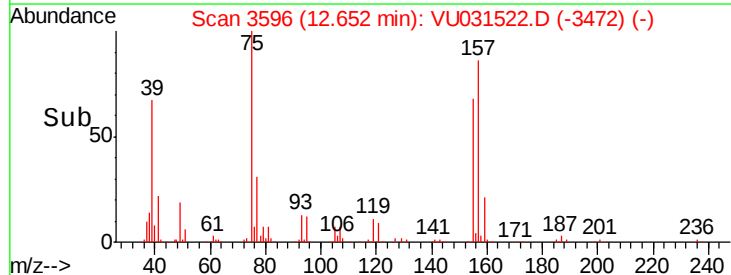
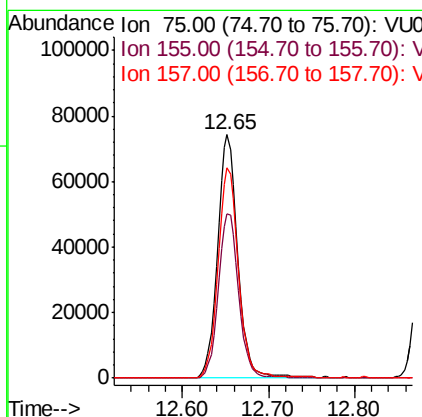
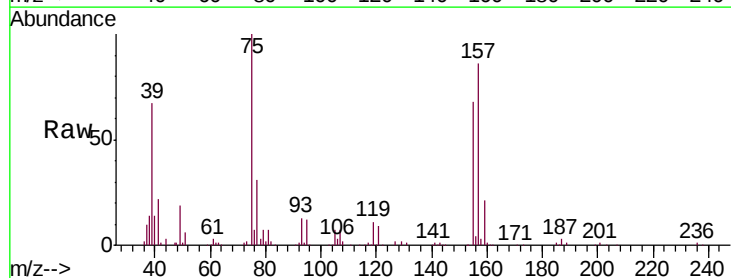
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

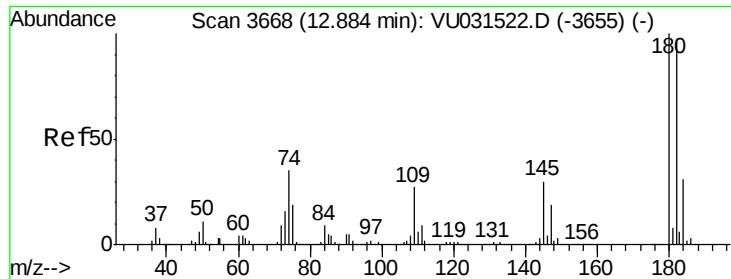
Tgt Ion: 146 Resp: 518429
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.9 53.9
 148 63.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 67.411 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion: 75 Resp: 121338
 Ion Ratio Lower Upper
 75 100
 155 67.5 54.0 81.0
 157 86.4 69.1 103.7

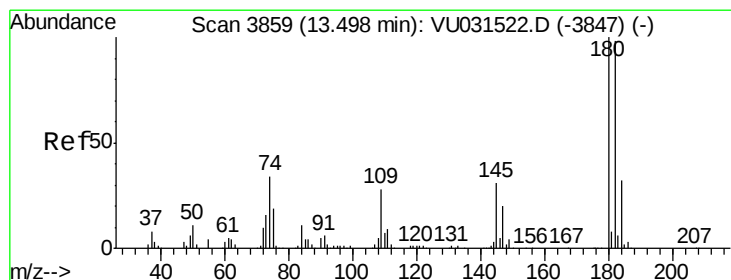
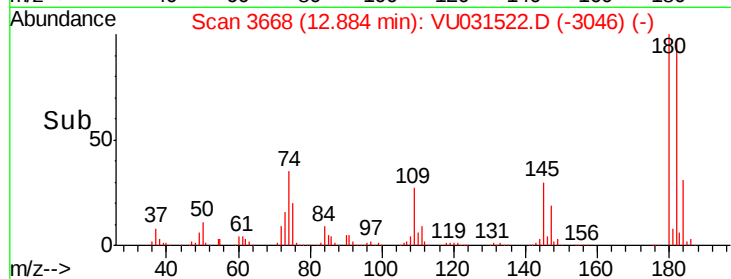
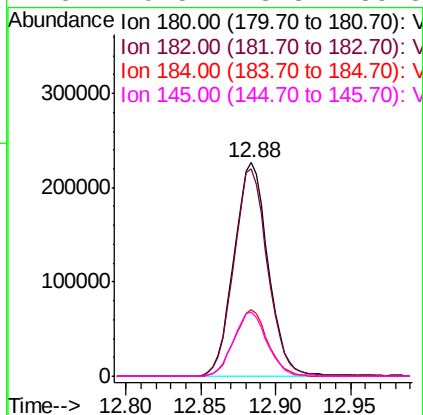
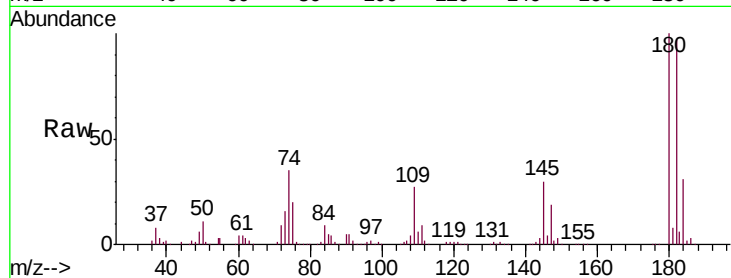




#67
 1,3,5-Trichlorobenzene
 Concen: 54.813 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

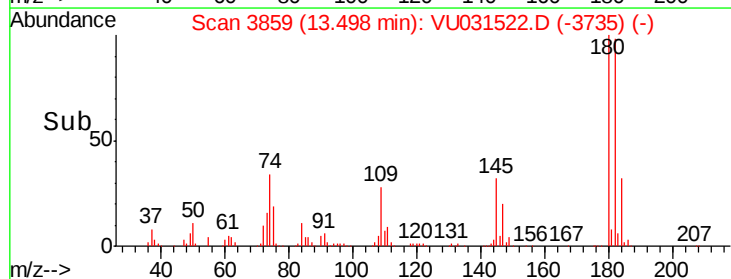
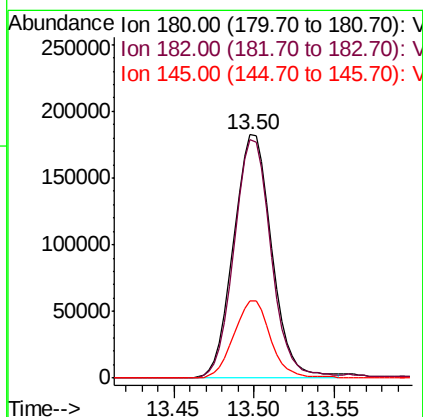
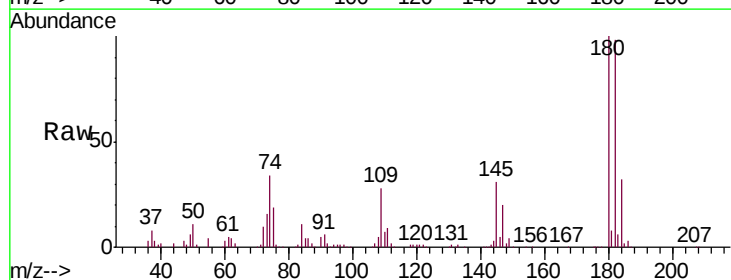
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

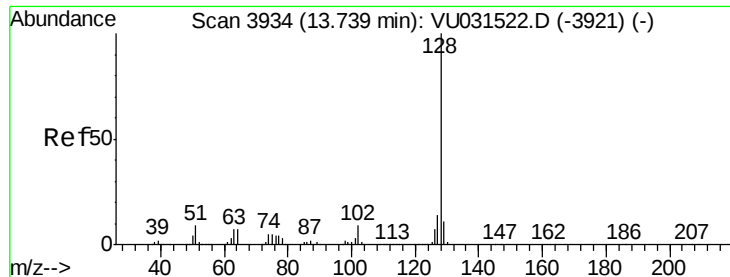
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
184	30.5	24.4	36.6
145	29.8	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 56.301 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031522.D
 Acq: 26 Apr 2019 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 56.209 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD05051

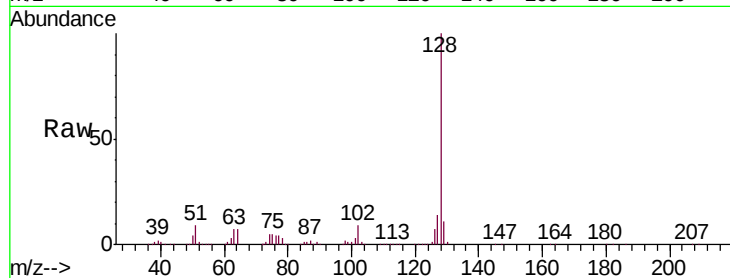
Tgt Ion:128 Resp: 1030240

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

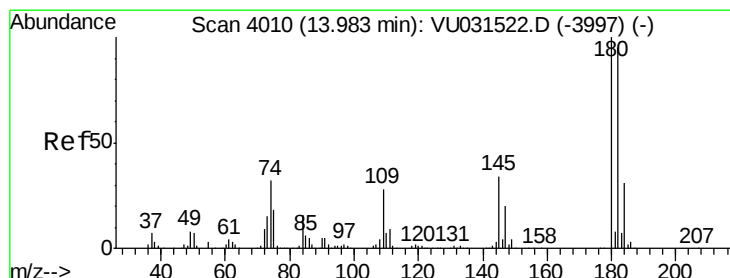
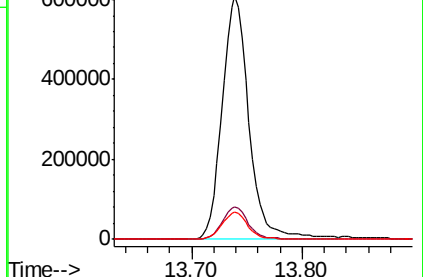
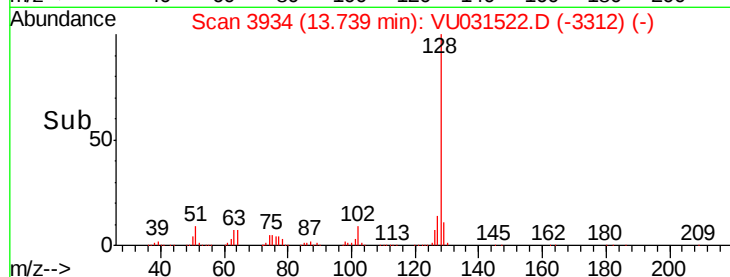
129 10.9 8.7 13.1



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: 58.203 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031522.D

Acq: 26 Apr 2019 11:02

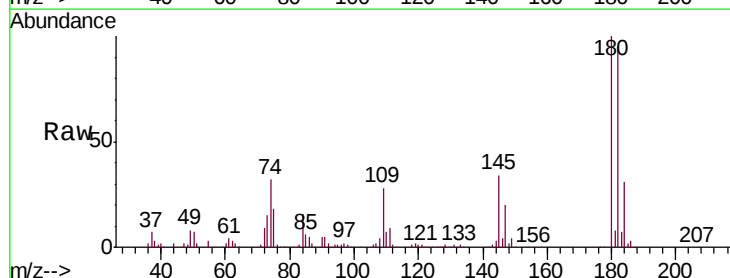
Tgt Ion:180 Resp: 334152

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 32.5 26.0 39.0



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

