

Data File : VU031523.D
Acq On : 26 Apr 2019 11:25
Operator : JC/SP
Sample : VSTD10052
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10052

Quant Time: Apr 26 23:33:37 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	731607	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	702663	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	325998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	603027	101.04	ug/L	0.00
7) Chloroethane-d5	1.68	69	468076	102.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	1199124	112.63	ug/L	0.00
21) 2-Butanone-d5	4.19	46	1200313	255.92	ug/L	0.00
24) Chloroform-d	4.64	84	1120211	114.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	728211	121.52	ug/L	0.00
32) Benzene-d6	5.33	84	2198981	107.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	768329	114.71	ug/L	0.00
41) Toluene-d8	7.56	98	1974381	107.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	355332	117.07	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	732203	225.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1014778	112.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	668564	99.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	760999	134.546	ug/L	99
3) Chloromethane	1.32	50	903189	126.135	ug/L	100
5) Vinyl chloride	1.40	62	856703	123.617	ug/L	99
6) Bromomethane	1.63	94	449471	114.580	ug/L	98
8) Chloroethane	1.70	64	465406	118.926	ug/L	97
9) Trichlorofluoromethane	1.88	101	973378	119.178	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	553919	118.041	ug/L	98
12) 1,1-Dichloroethene	2.28	96	540387	117.119	ug/L	94
13) Acetone	2.34	43	1086678	273.436	ug/L	99
14) Carbon disulfide	2.47	76	1765383	123.975	ug/L	100
15) Methyl Acetate	2.62	43	898612	129.910	ug/L	98
16) Methylene chloride	2.70	84	634618	119.436	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	567856	119.258	ug/L	95
18) Methyl tert-butyl Ether	2.99	73	1886411	120.463	ug/L	99
19) 1,1-Dichloroethane	3.44	63	1197249	125.136	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	624328	115.826	ug/L	96
22) 2-Butanone	4.27	43	1423642	287.017	ug/L	100
23) Bromochloromethane	4.54	128	297363	111.116	ug/L	96
25) Chloroform	4.67	83	1140618	124.477	ug/L	100
27) 1,2-Dichloroethane	5.40	62	917718	131.237	ug/L	98
29) Cyclohexane	4.99	56	1131909	127.554	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	945444	121.450	ug/L	99
31) Carbon tetrachloride	5.13	117	811969	121.812	ug/L	98
33) Benzene	5.38	78	2526789	119.723	ug/L	100
34) Trichloroethene	6.18	95	606991	110.175	ug/L	98
35) Methylcyclohexane	6.41	83	977688	120.851	ug/L	99
37) 1,2-Dichloropropane	6.43	63	709400	124.277	ug/L	100
38) Bromodichloromethane	6.75	83	864656	124.180	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	1047810	127.559	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	2299093	264.275	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	2594119	119.532	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	898908	124.369	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	584919	114.124	ug/L	97
46) Tetrachloroethene	8.22	164	417066	109.215	ug/L	96
48) 2-Hexanone	8.36	43	1852296	269.315	ug/L	99
49) Dibromochloromethane	8.47	129	624318	115.585	ug/L	100
50) 1,2-Dibromoethane	8.58	107	629476	117.919	ug/L	98
51) Chlorobenzene	9.12	112	1502936	113.102	ug/L	98
52) Ethylbenzene	9.24	91	2759086	119.282	ug/L	99
53) m,p-Xylene	9.37	106	1004704	121.068	ug/L	97
54) o-xylene	9.77	106	969087	115.714	ug/L	98
55) Styrene	9.79	104	1698964	120.507	ug/L	99
56) Isopropylbenzene	10.16	105	2550620	118.252	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	1037680	117.196	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	831897	119.979	ug/L	97
61) Bromoform	9.95	173	441757	107.407	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1033094	106.717	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1061305	109.353	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1072468	107.555	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	245435	126.374	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	783875	110.527	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	673789	118.224	ug/L	99
69) Naphthalene	13.74	128	2445551	123.661	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	718572	115.999	ug/L	100

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

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MSVOA_U
ClientSampleId :
VSTD10052

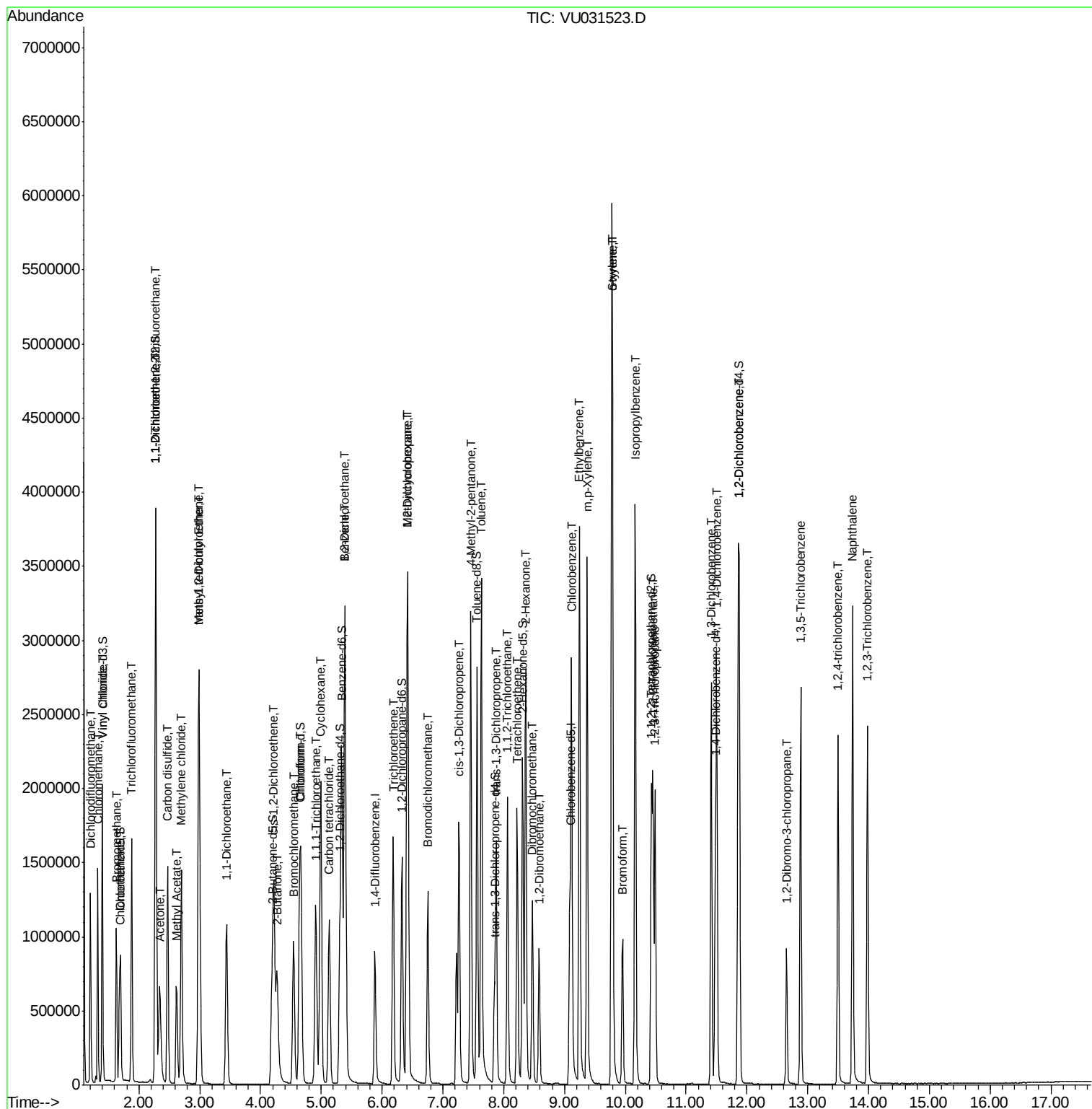
Quant Time: Apr 26 23:33:37 2019

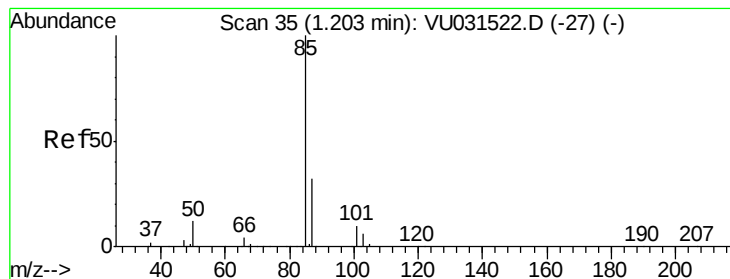
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM042719WMA.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 134.546 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

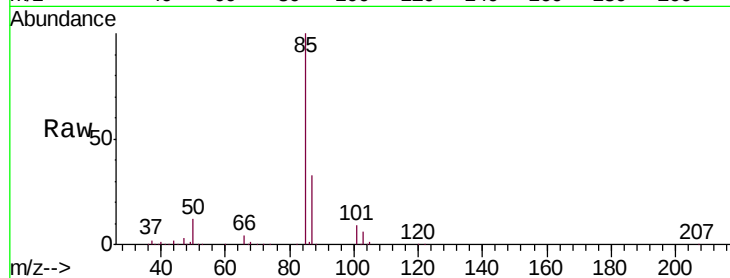
VSTD10052

Tgt Ion: 85 Resp: 760999

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031522.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031522.D (-27) (-)

1.20

800000

600000

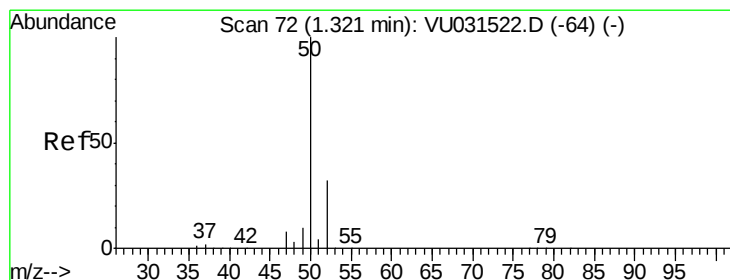
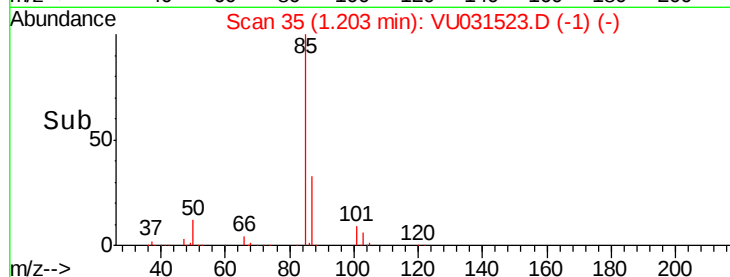
400000

200000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 126.135 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031523.D

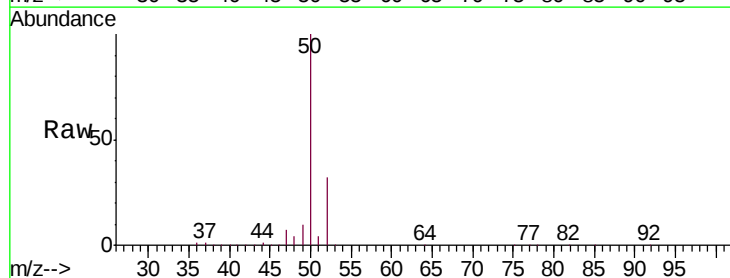
Acq: 26 Apr 2019 11:25

Tgt Ion: 50 Resp: 903189

Ion Ratio Lower Upper

50 100

52 32.4 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031522.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031522.D (-64) (-)

1.32

1000000

800000

600000

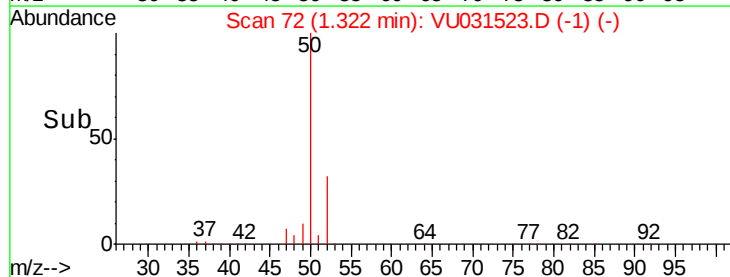
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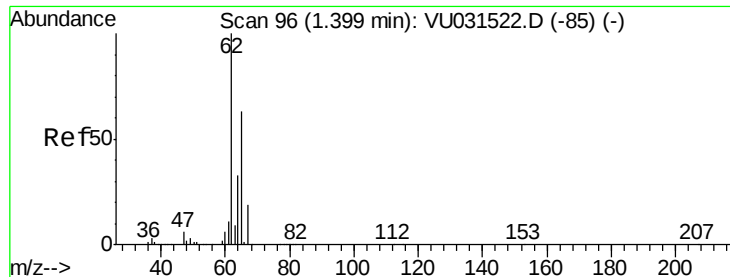
200000

0

1.30 1.32 1.34 1.36

Time-->





#5

Vinyl chloride

Concen: 123.617 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

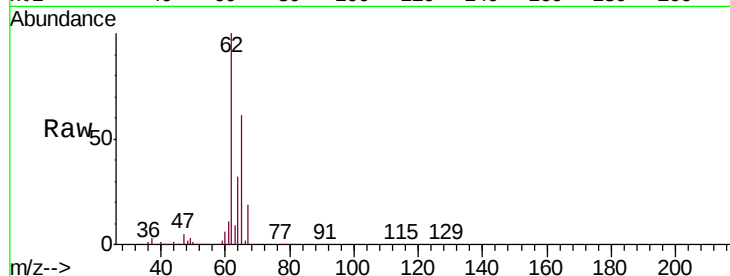
VSTD10052

Tgt Ion: 62 Resp: 856703

Ion Ratio Lower Upper

62 100

64 32.2 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

800000

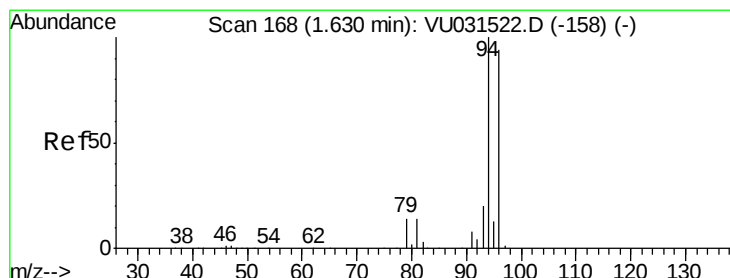
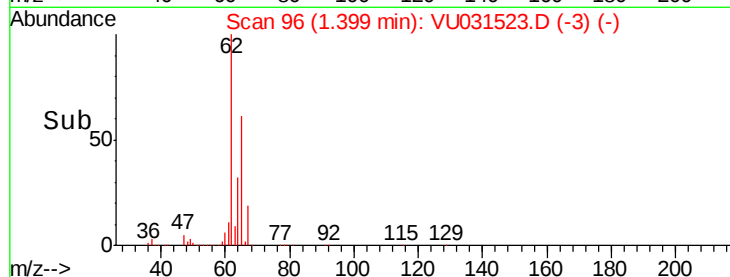
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 114.580 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031523.D

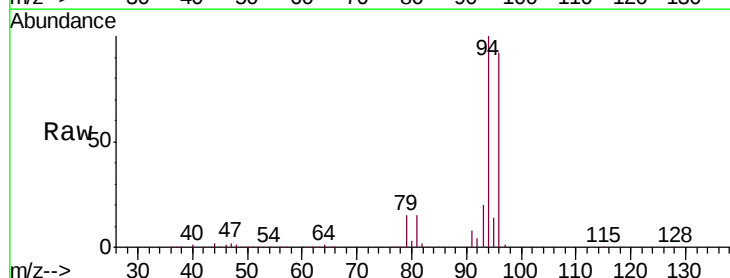
Acq: 26 Apr 2019 11:25

Tgt Ion: 94 Resp: 449471

Ion Ratio Lower Upper

94 100

96 92.5 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

400000

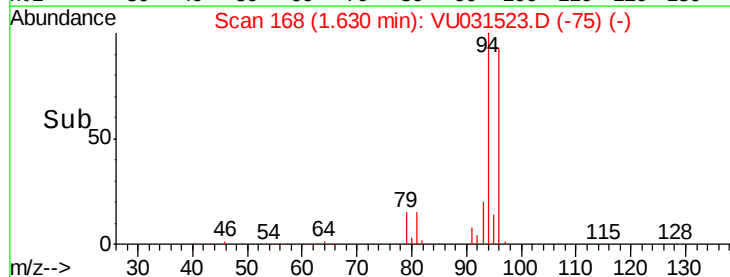
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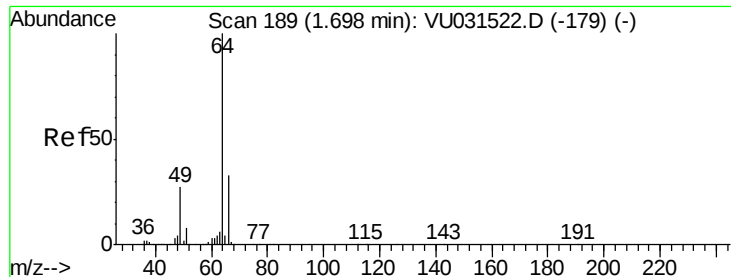
200000

100000

0

Time-->

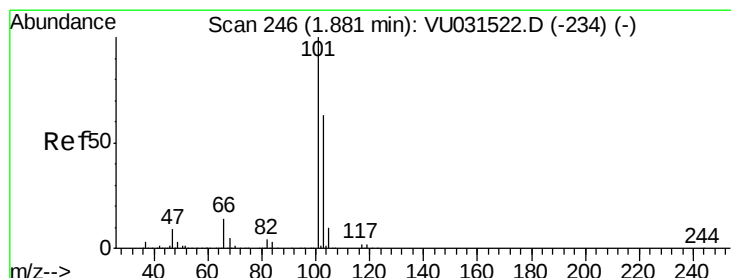
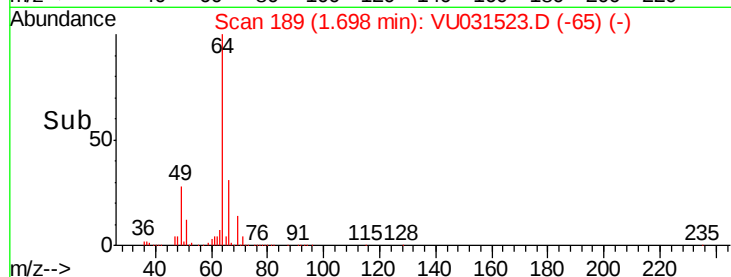
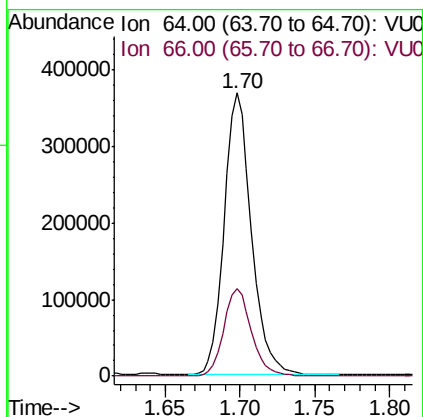
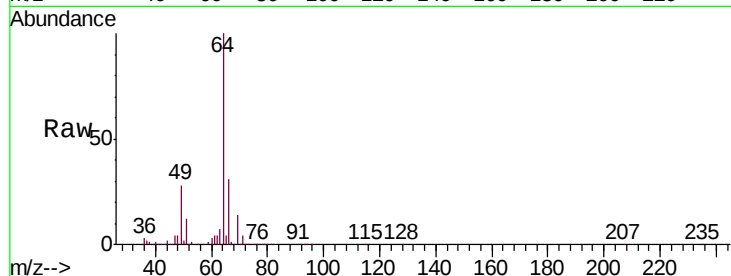




#8
Chloroethane
Concen: 118.926 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

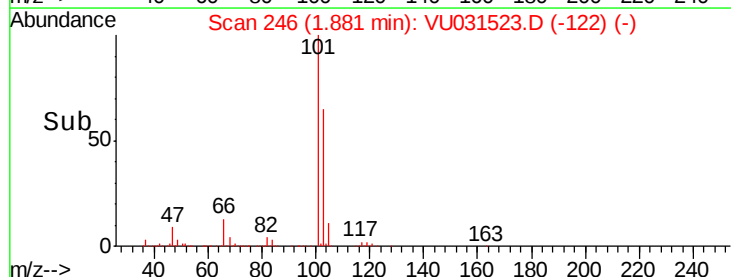
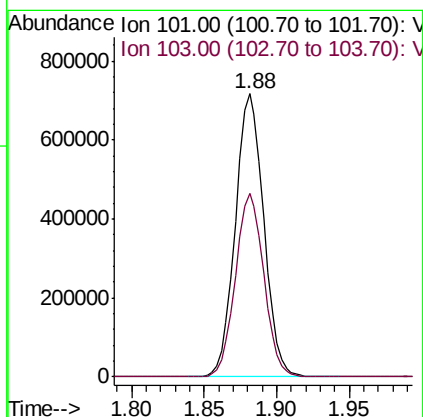
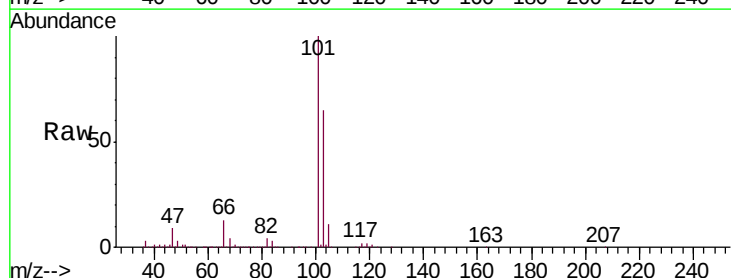
Instrument :
MSVOA_U
ClientSampleId :
VSTD10052

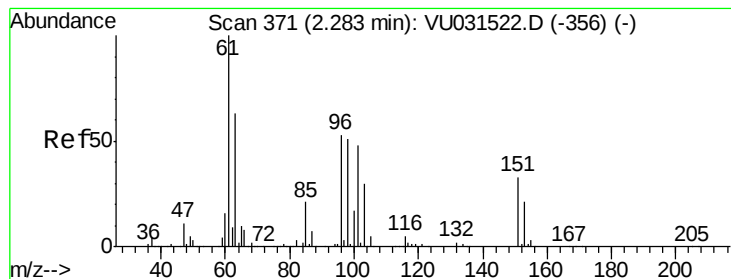
Tgt Ion: 64 Resp: 465406
Ion Ratio Lower Upper
64 100
66 31.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 119.178 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

Tgt Ion: 101 Resp: 973378
Ion Ratio Lower Upper
101 100
103 65.1 50.8 76.2





#10

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

Concen: 118.041 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD10052

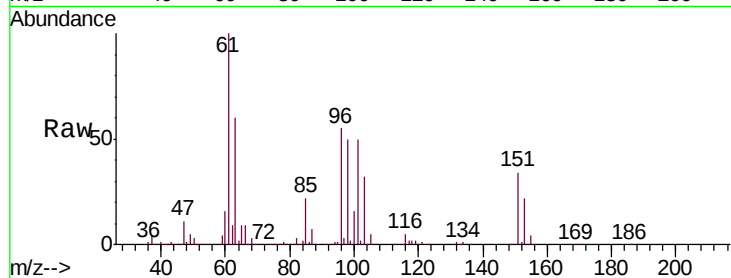
Tgt Ion: 101 Resp: 553919

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

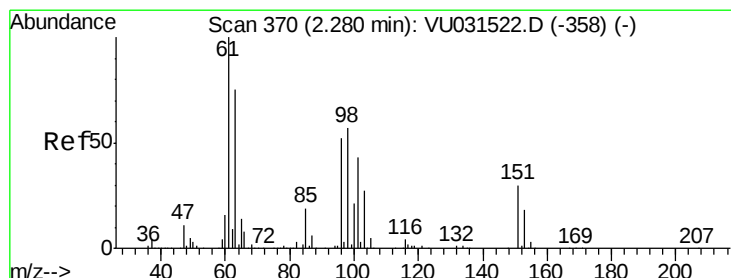
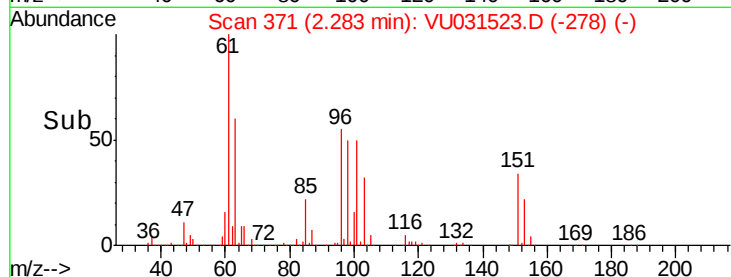
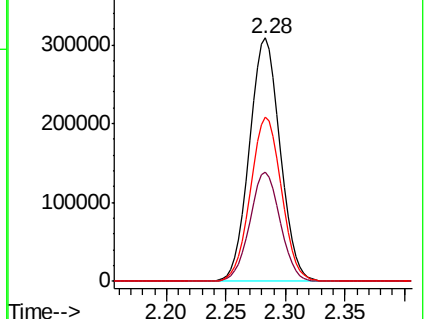
151 68.1 56.1 84.1



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: 117.119 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

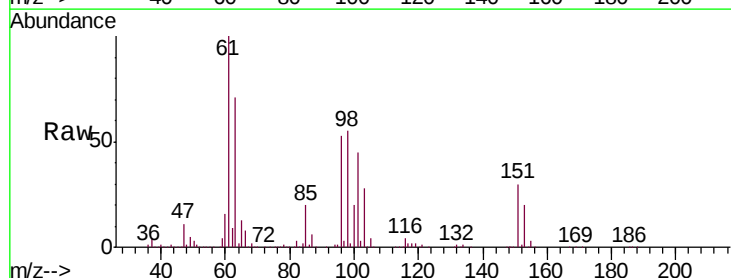
Tgt Ion: 96 Resp: 540387

Ion Ratio Lower Upper

96 100

61 189.5 135.0 250.6

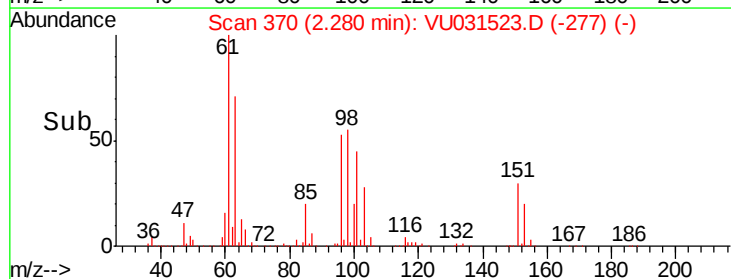
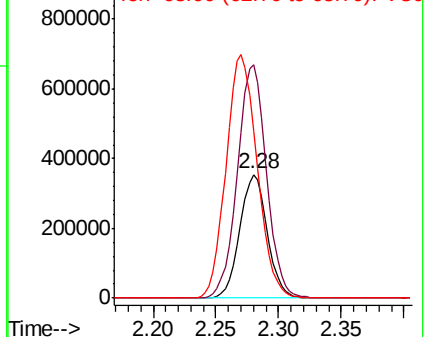
63 135.3 103.5 192.3

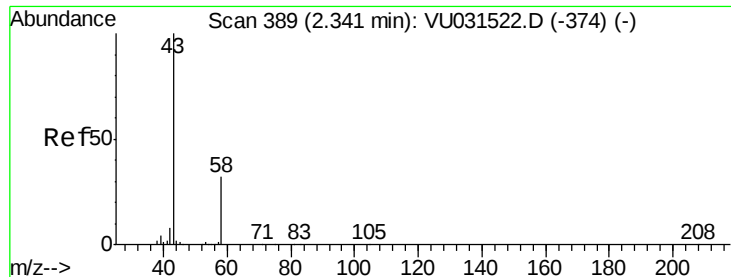


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 273.436 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

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ClientSampleId :

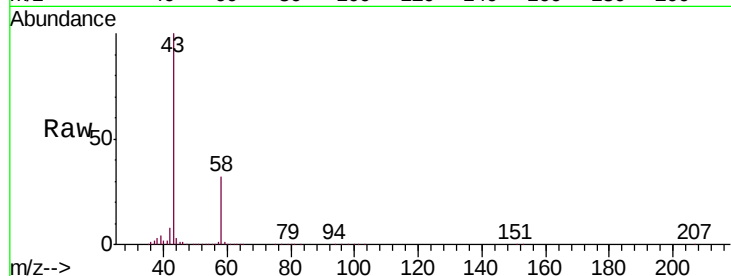
VSTD10052

Tgt Ion: 43 Resp: 1086678

Ion Ratio Lower Upper

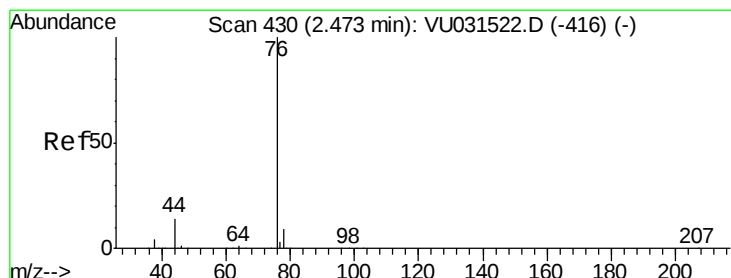
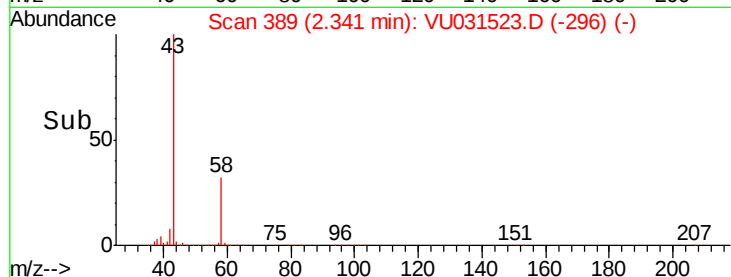
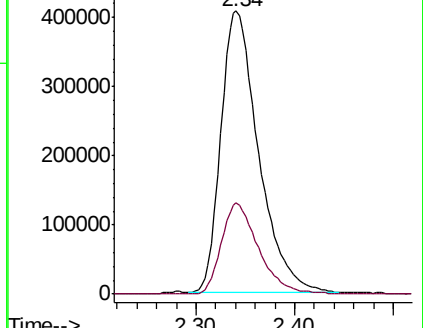
43 100

58 31.9 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031523.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031523.D (-374) (-)



#14

Carbon disulfide

Concen: 123.975 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031523.D

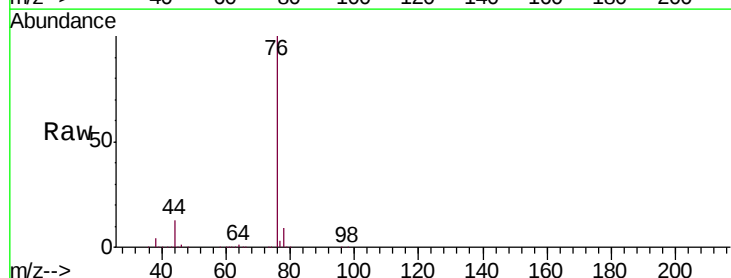
Acq: 26 Apr 2019 11:25

Tgt Ion: 76 Resp: 1765383

Ion Ratio Lower Upper

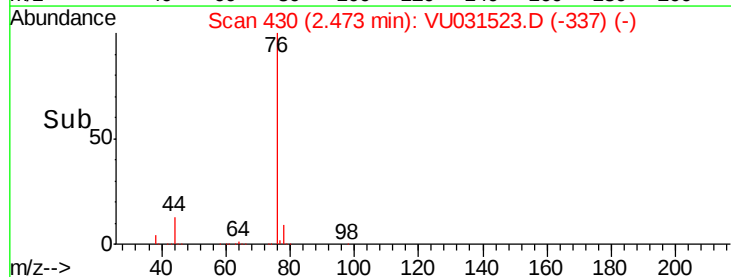
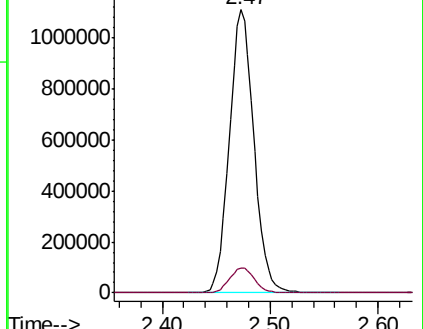
76 100

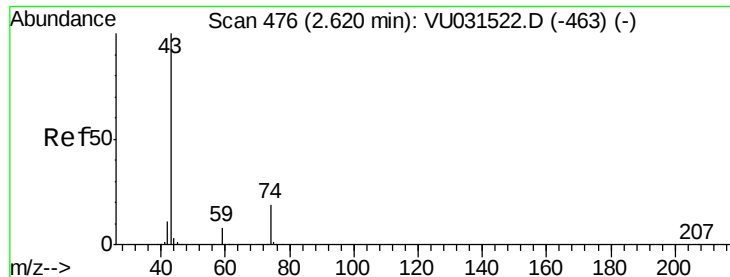
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031523.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031523.D (-416) (-)





#15

Methyl Acetate

Concen: 129.910 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampled :

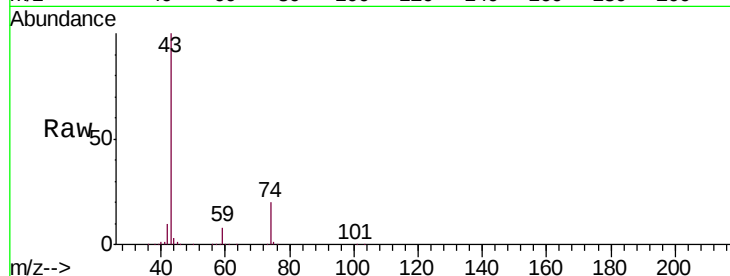
VSTD10052

Tgt Ion: 43 Resp: 898612

Ion Ratio Lower Upper

43 100

74 20.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VU031523.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU031523.D (-463) (-)

2.62

400000

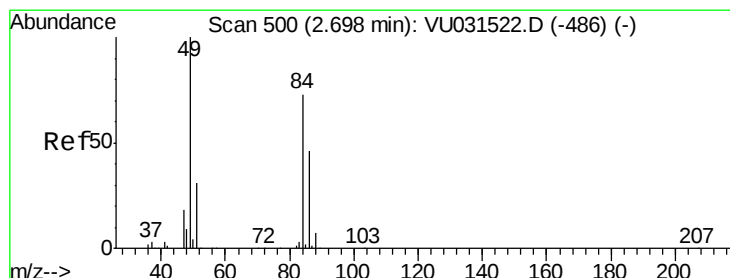
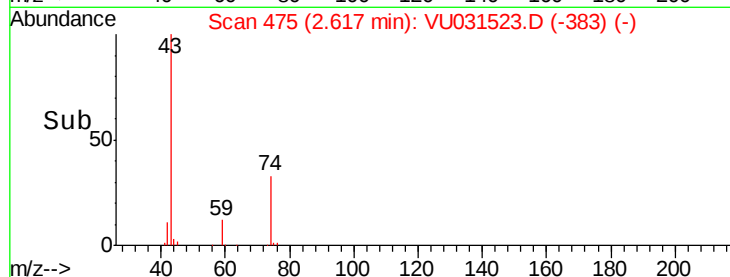
300000

200000

100000

0

Time--> 2.50 2.60 2.70



#16

Methylene chloride

Concen: 119.436 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

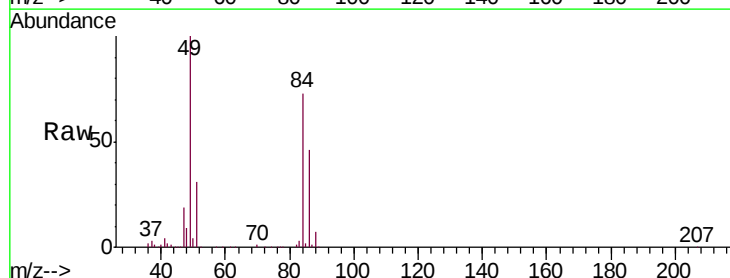
Tgt Ion: 84 Resp: 634618

Ion Ratio Lower Upper

84 100

86 63.0 44.7 83.1

49 136.4 96.5 179.3



Abundance Ion 84.00 (83.70 to 84.70): VU031523.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031523.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031523.D (-486) (-)

600000

500000

400000

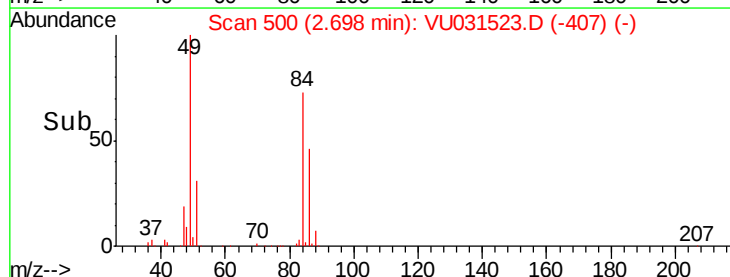
300000

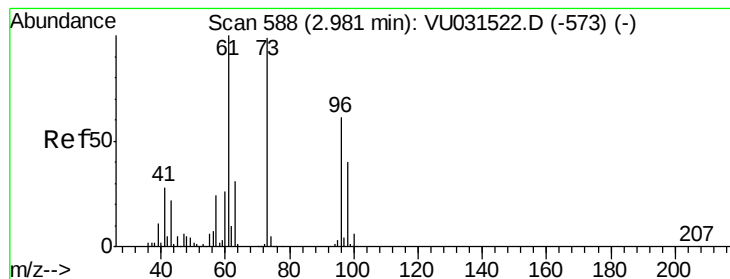
200000

100000

0

Time--> 2.60 2.70 2.80





#17

trans-1,2-Dichloroethene

Concen: 119.258 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD10052

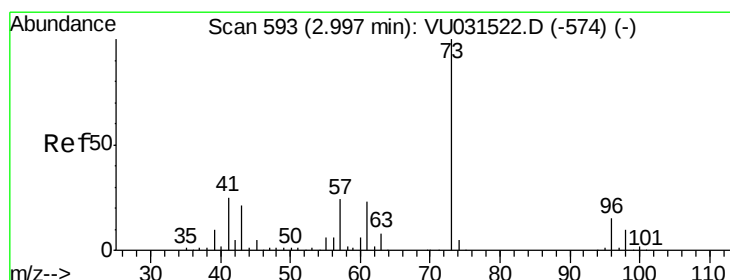
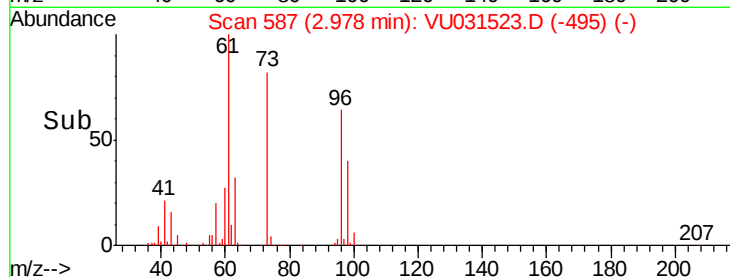
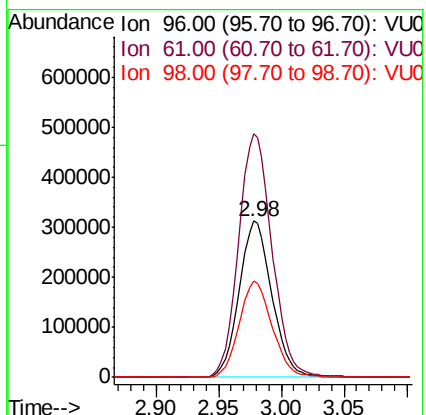
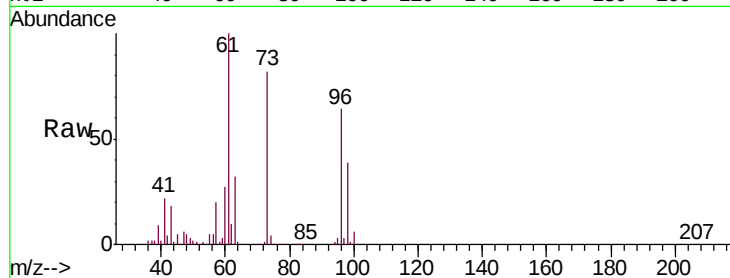
Tgt Ion: 96 Resp: 567856

Ion Ratio Lower Upper

96 100

61 155.8 114.5 212.7

98 61.5 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 120.463 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

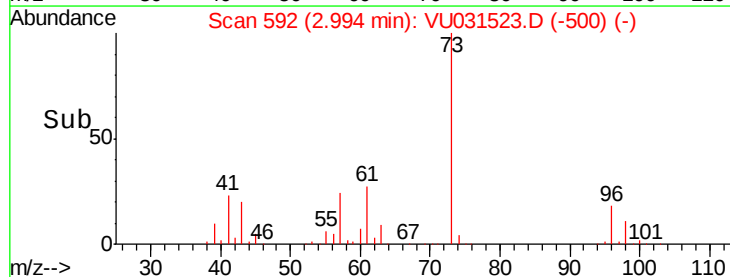
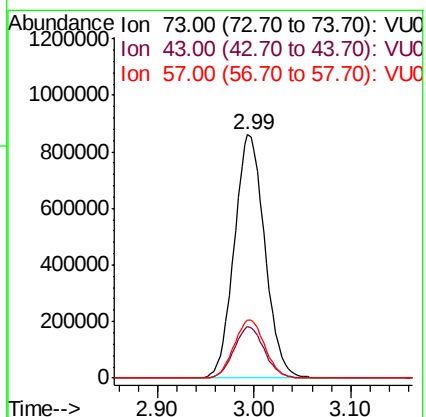
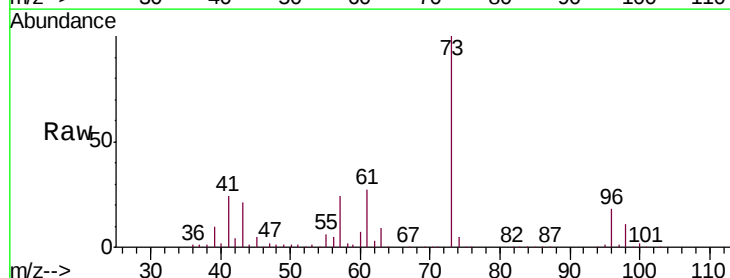
Tgt Ion: 73 Resp: 1886411

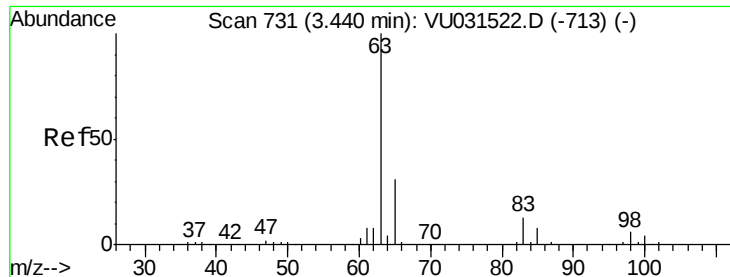
Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

57 24.2 19.5 29.3

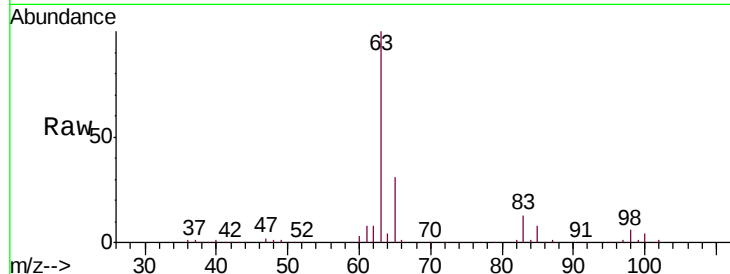




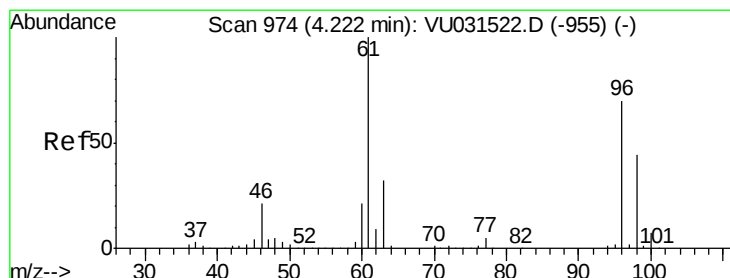
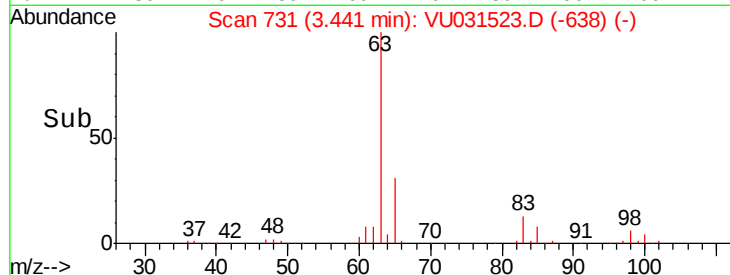
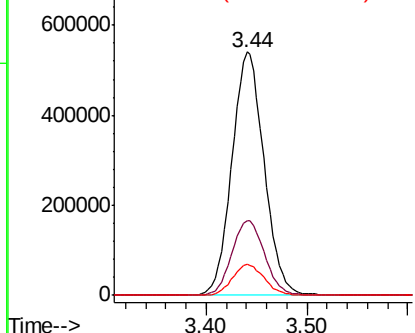
#19
 1,1-Dichloroethane
 Concen: 125.136 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

Tgt Ion: 63 Resp: 1197249
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 40.8
 83 12.5 8.8 16.4

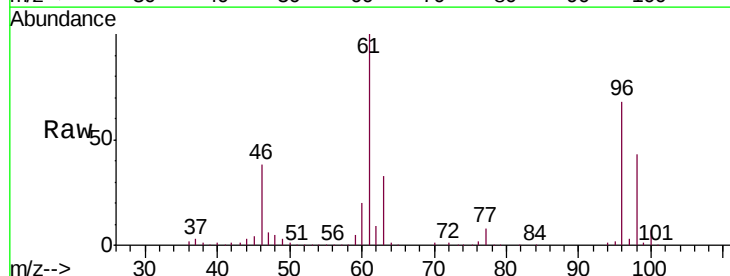


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

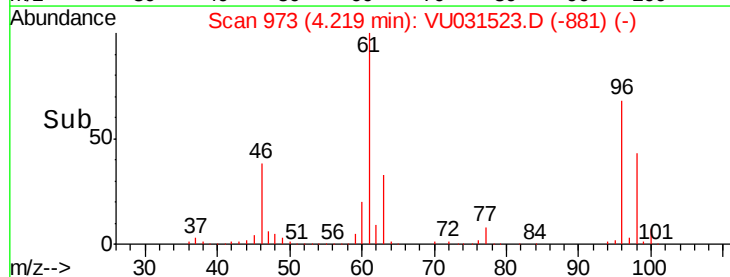
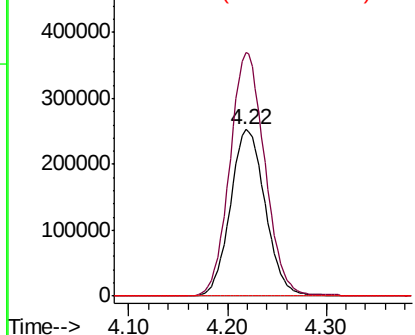


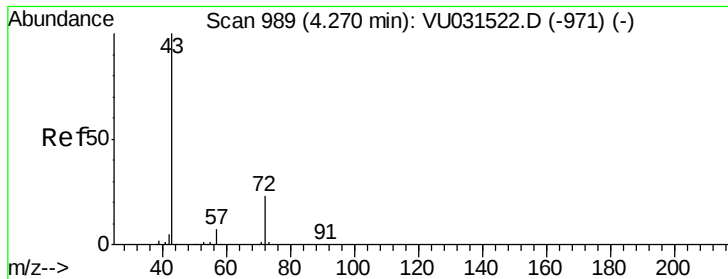
#20
 cis-1,2-Dichloroethene
 Concen: 115.826 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion: 96 Resp: 624328
 Ion Ratio Lower Upper
 96 100
 61 146.5 99.5 184.7
 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: 287.017 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

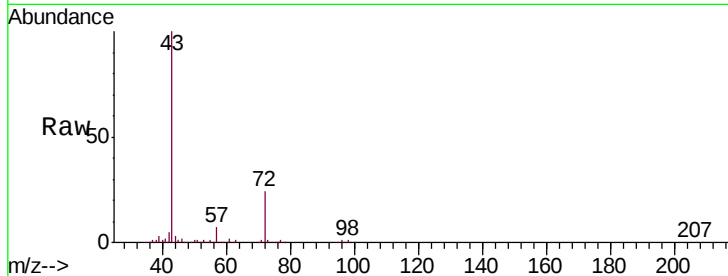
VSTD10052

Tgt Ion: 43 Resp: 1423642

Ion Ratio Lower Upper

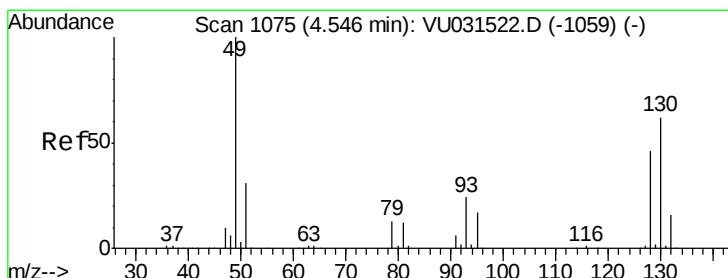
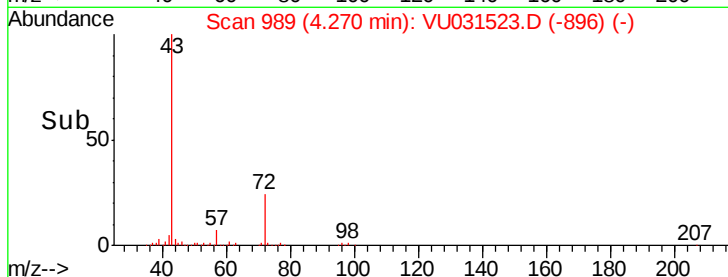
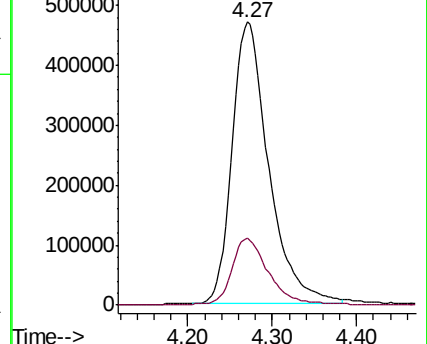
43 100

72 23.0 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031523.D (-971) (-)

Ion 72.00 (71.70 to 72.70): VU031523.D (-971) (-)



#23

Bromochloromethane

Concen: 111.116 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Tgt Ion: 128 Resp: 297363

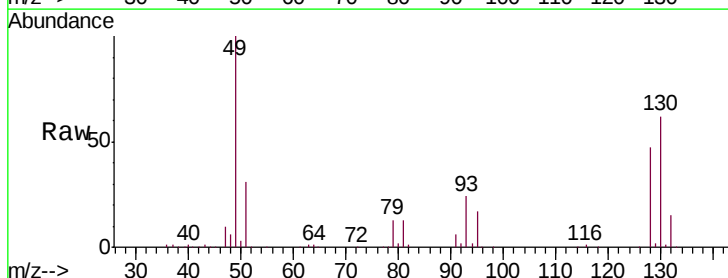
Ion Ratio Lower Upper

128 100

49 211.0 152.6 283.4

130 129.8 93.7 173.9

51 66.5 54.2 81.4

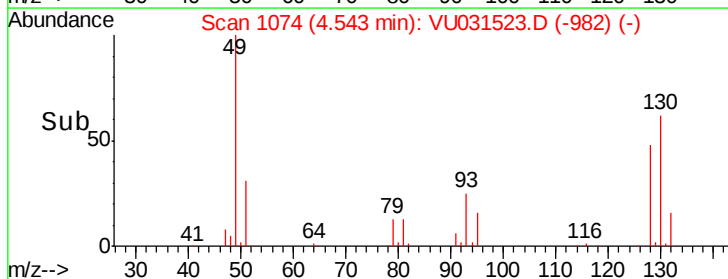
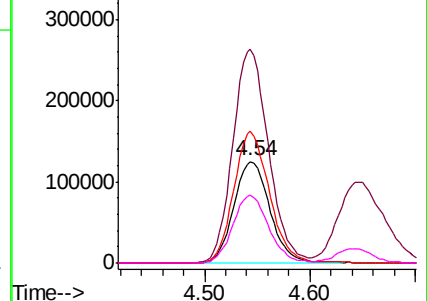


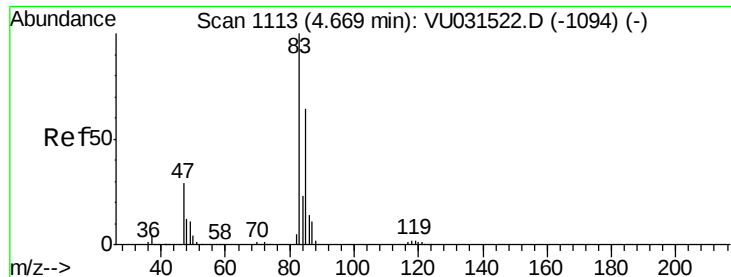
Abundance Ion 128.00 (127.70 to 128.70): VU031523.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU031523.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU031523.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU031523.D (-982) (-)





#25

Chloroform

Concen: 124.477 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

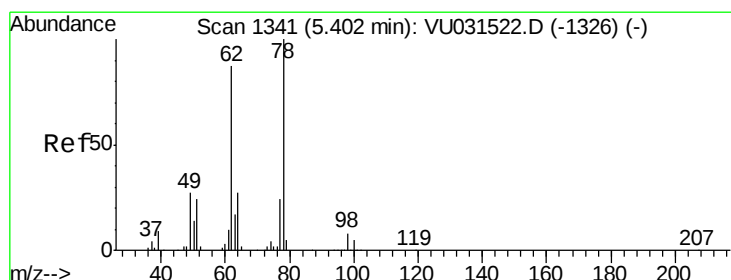
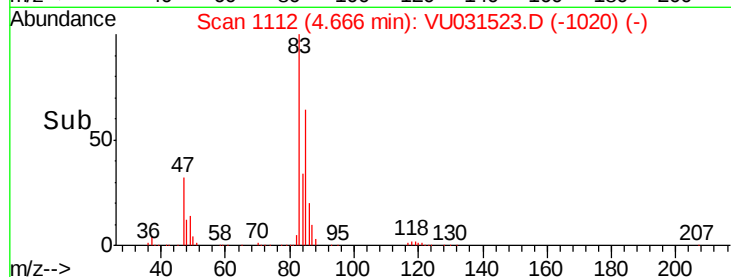
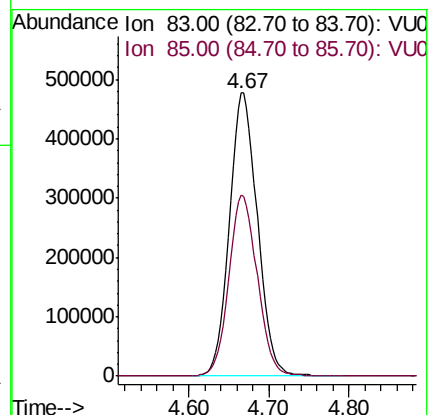
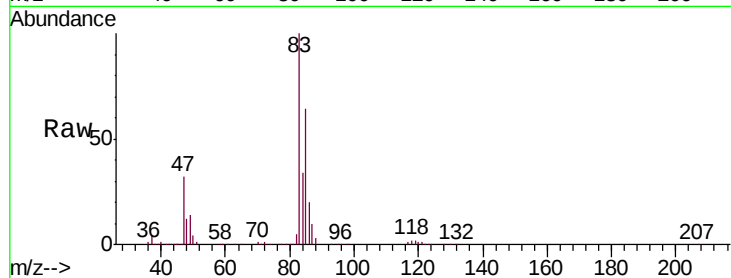
VSTD10052

Tgt Ion: 83 Resp: 1140618

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 131.237 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU031523.D

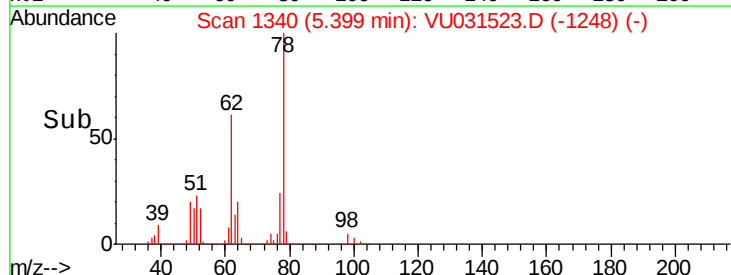
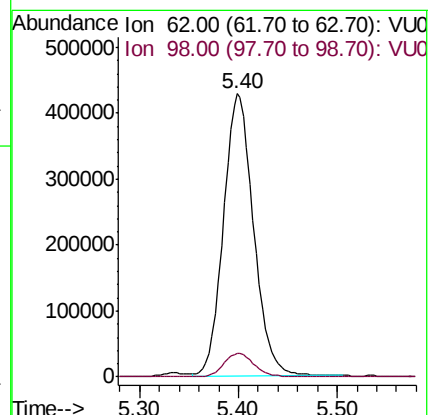
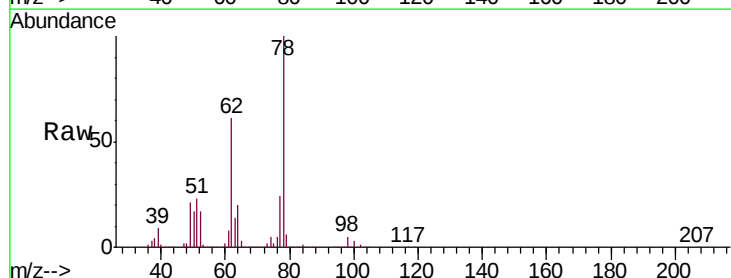
Acq: 26 Apr 2019 11:25

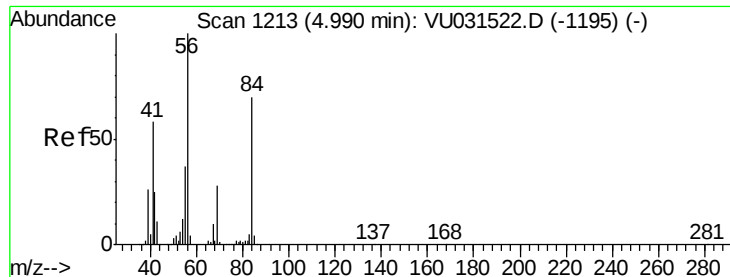
Tgt Ion: 62 Resp: 917718

Ion Ratio Lower Upper

62 100

98 8.3 7.1 10.7

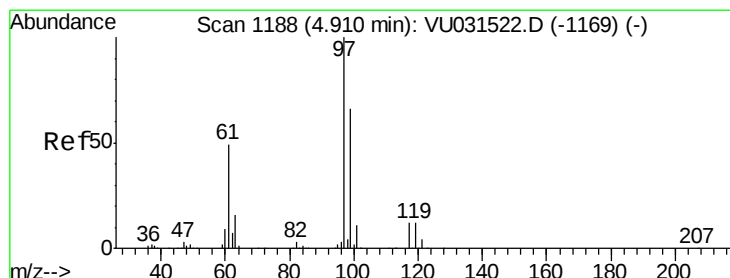
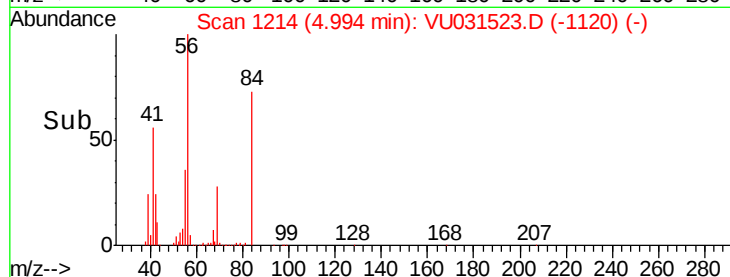
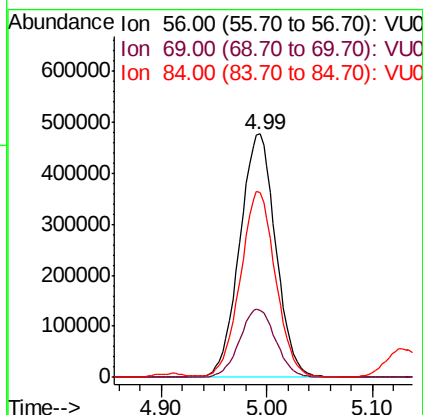
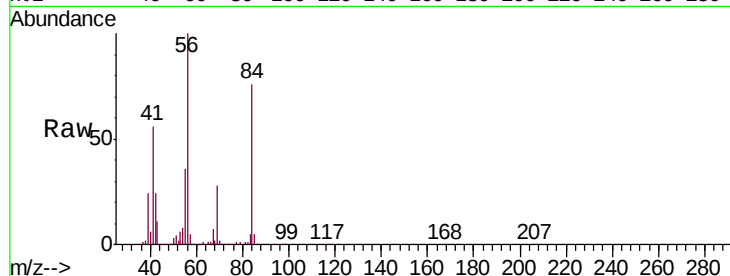




#29
Cyclohexane
Concen: 127.554 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

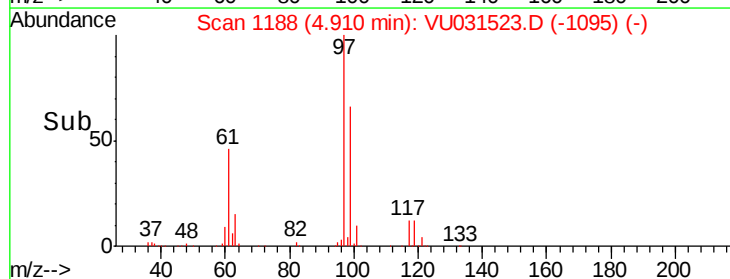
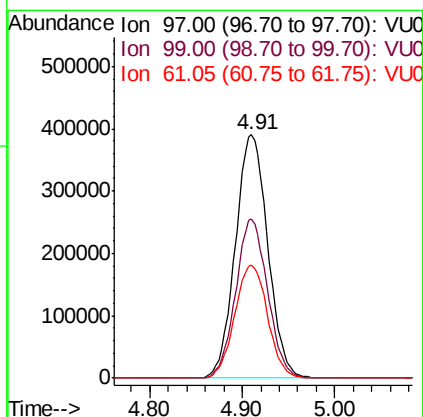
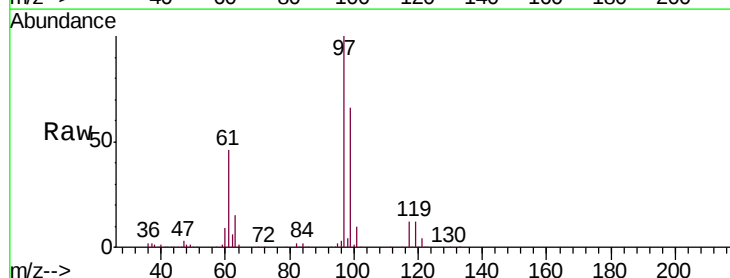
Instrument :
MSVOA_U
ClientSampleId :
VSTD10052

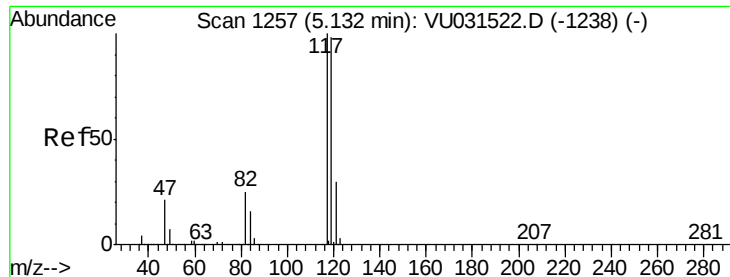
Tgt Ion: 56 Resp: 1131909
Ion Ratio Lower Upper
56 100
69 28.1 22.3 33.5
84 74.1 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 121.450 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

Tgt Ion: 97 Resp: 945444
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 47.0 38.7 58.1





#31

Carbon tetrachloride

Concen: 121.812 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

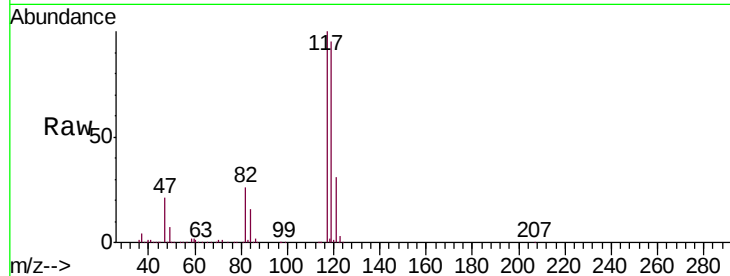
VSTD10052

Tgt Ion:117 Resp: 811969

Ion Ratio Lower Upper

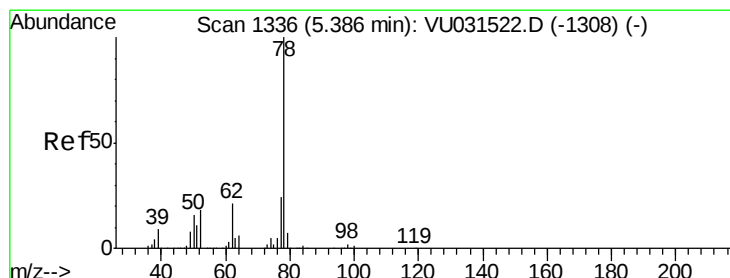
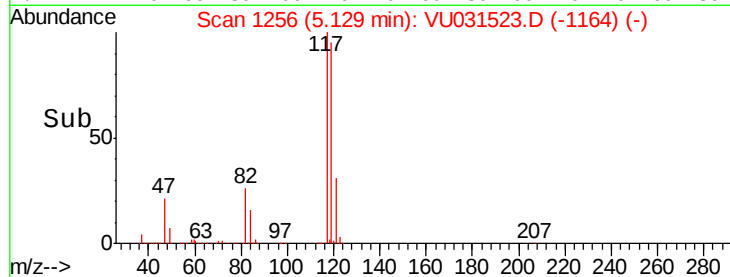
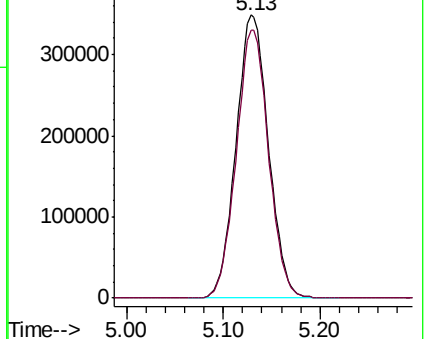
117 100

119 94.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 119.723 ug/L

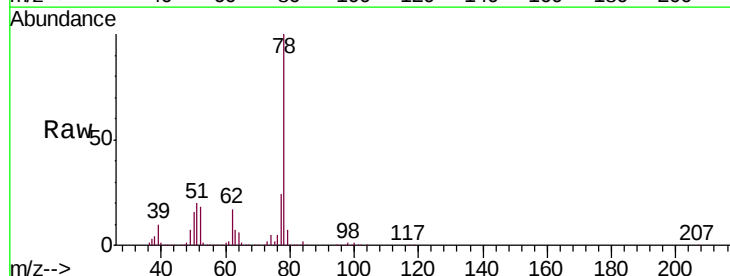
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

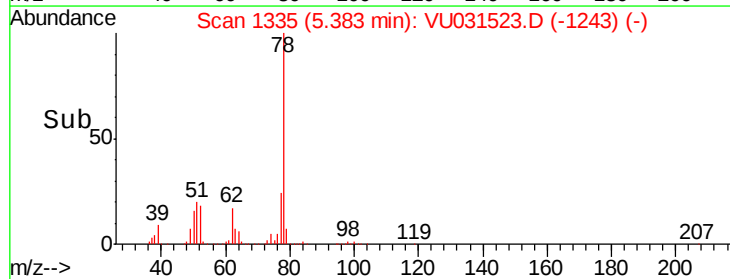
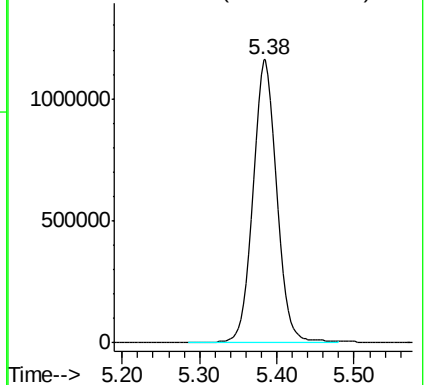
Lab File: VU031523.D

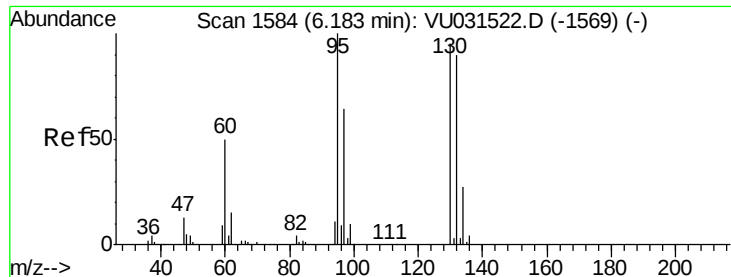
Acq: 26 Apr 2019 11:25

Tgt Ion: 78 Resp: 2526789



Abundance Ion 78.00 (77.70 to 78.70): VU0

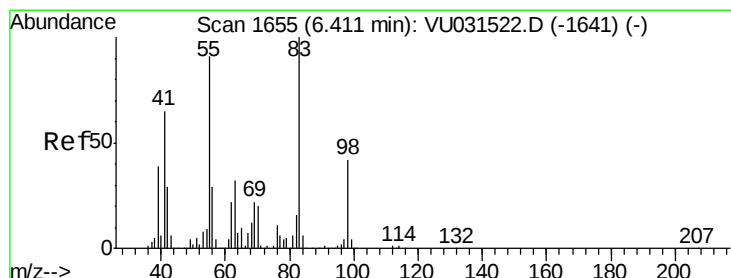
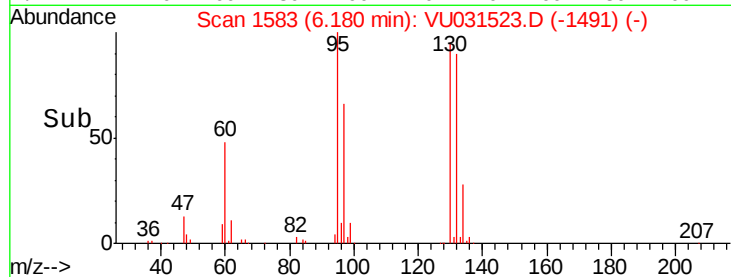
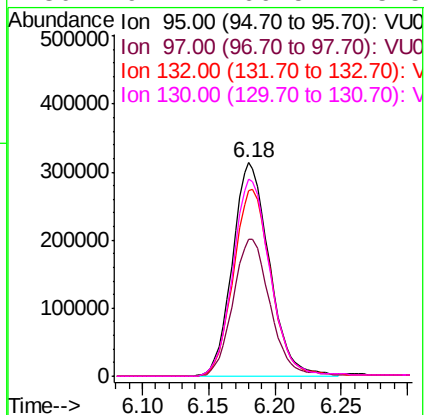
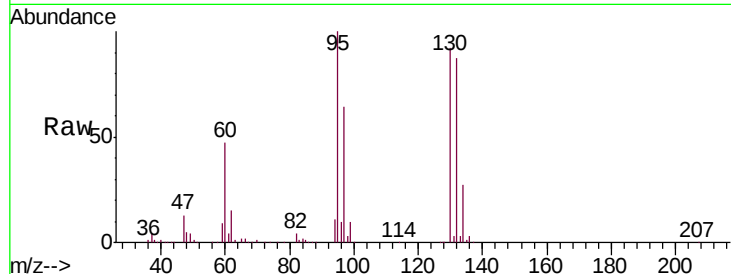




#34
 Trichloroethene
 Concen: 110.175 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

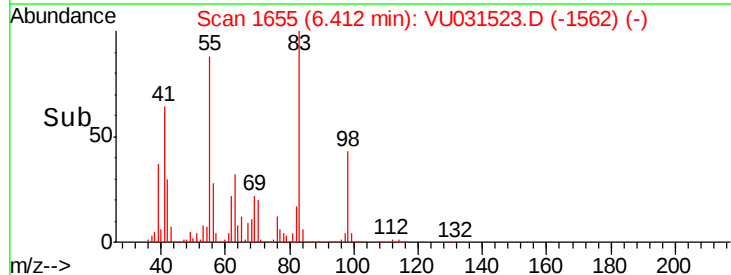
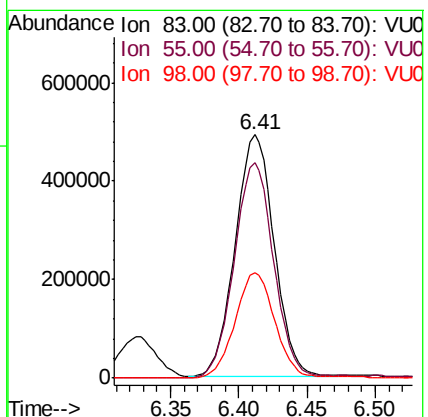
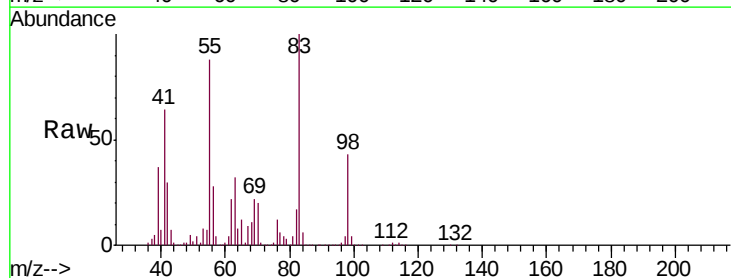
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

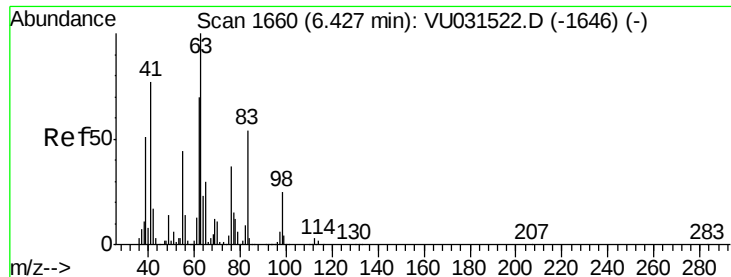
Tgt Ion:	95	Resp:	606991
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.8	83.2
132	86.7	63.1	117.1
130	92.1	66.5	123.5



#35
 Methylcyclohexane
 Concen: 120.851 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion:	83	Resp:	977688
Ion	Ratio	Lower	Upper
83	100		
55	90.2	73.0	109.4
98	44.4	35.3	52.9

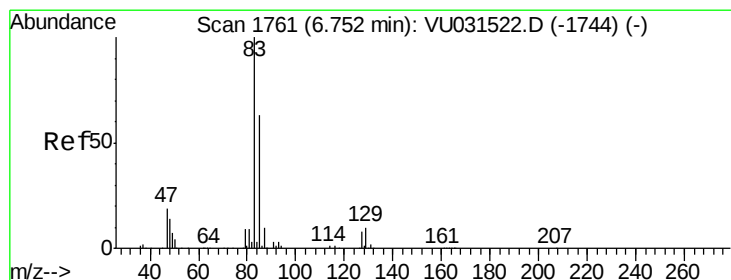
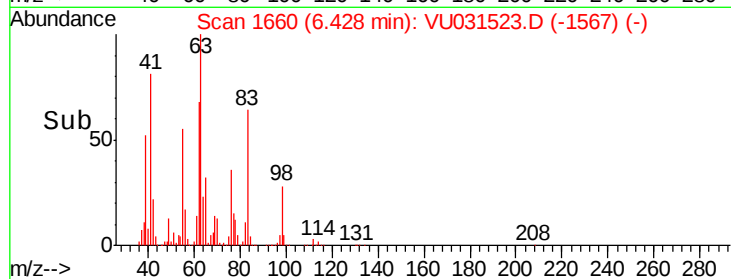
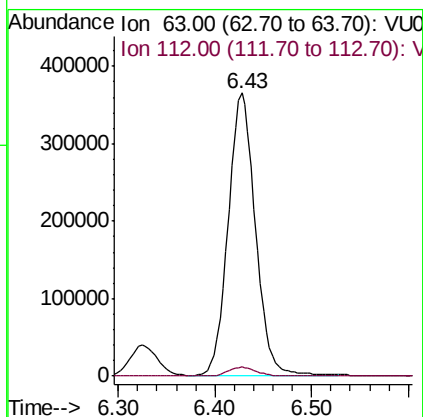
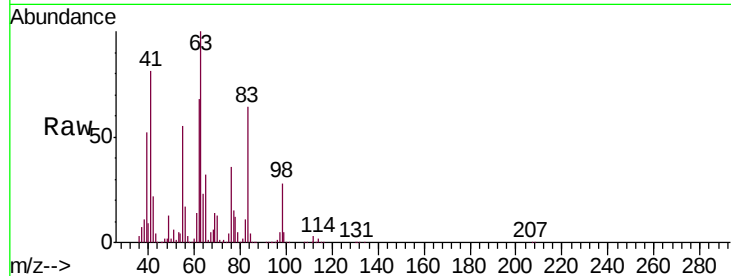




#37
 1,2-Dichloropropane
 Concen: 124.277 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

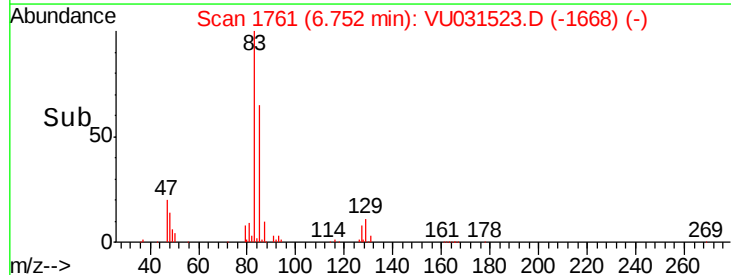
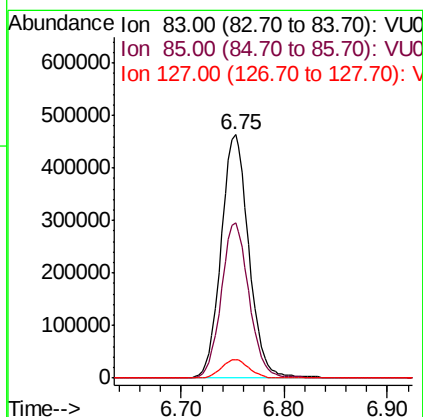
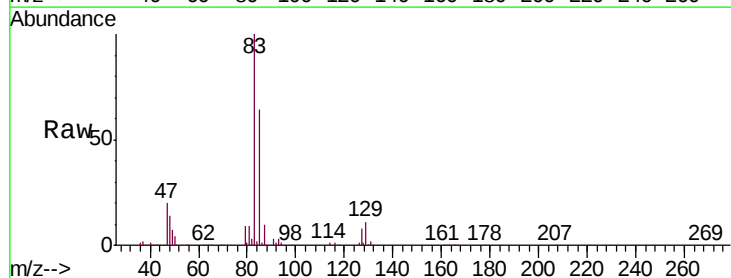
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

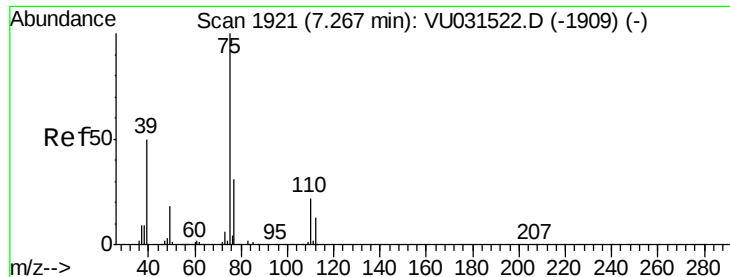
Tgt Ion: 63 Resp: 709400
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 124.180 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion: 83 Resp: 864656
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.7 81.1
 127 7.6 6.7 10.1

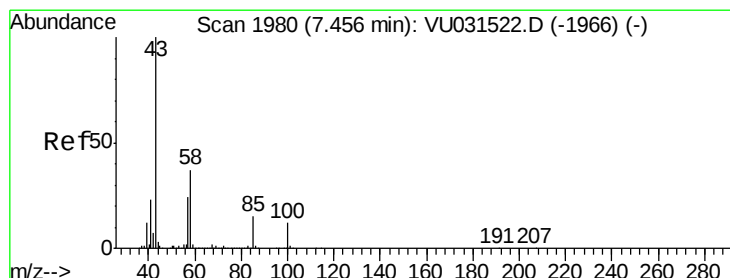
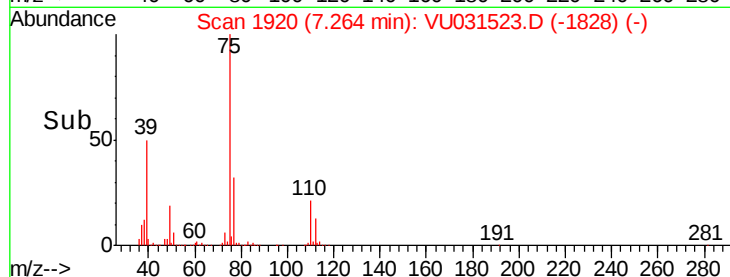
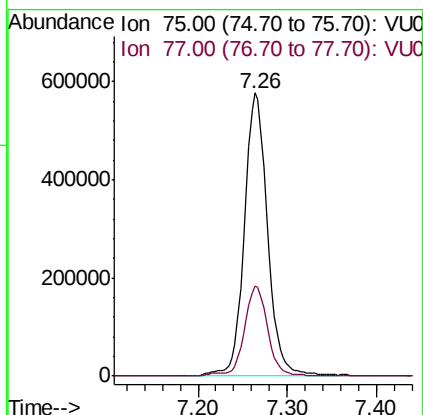
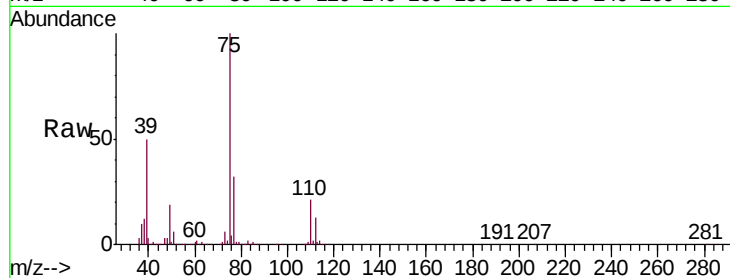




#39
 cis-1,3-Dichloropropene
 Concen: 127.559 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

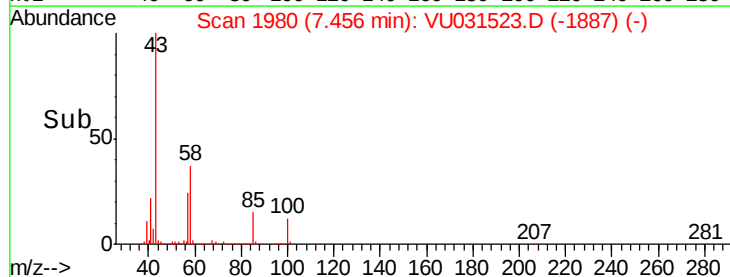
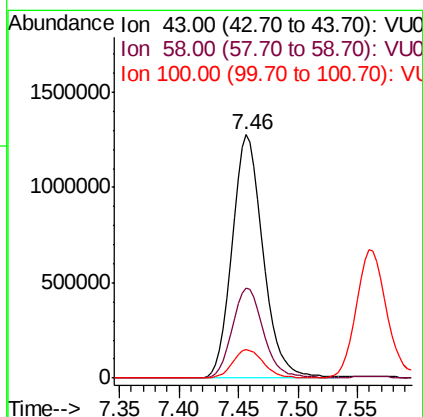
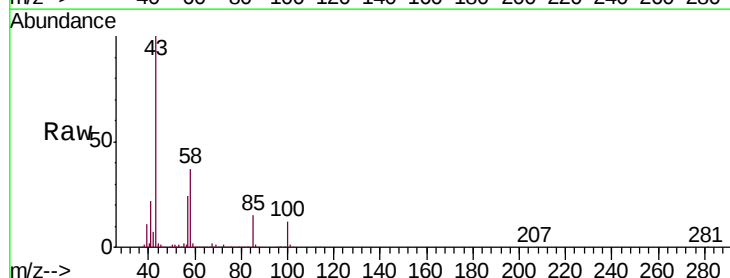
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

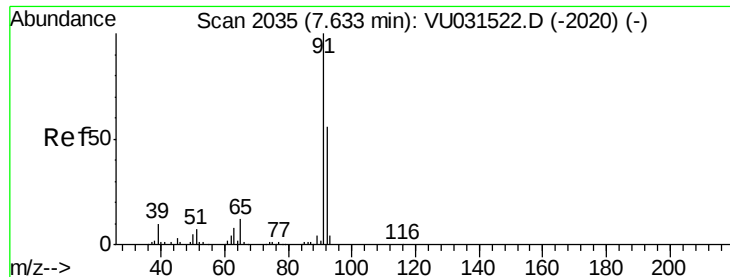
Tgt Ion: 75 Resp: 1047810
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 264.275 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion: 43 Resp: 2299093
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.1 45.1
 100 11.8 9.6 14.4





#42

Toluene

Concen: 119.532 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

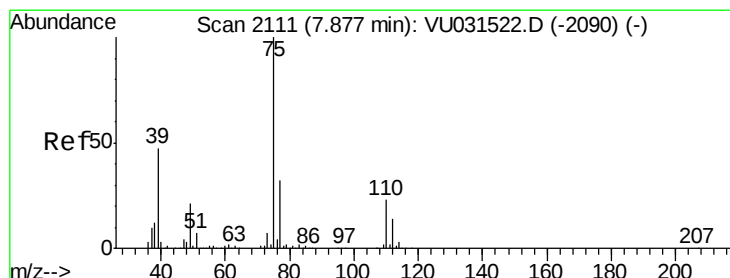
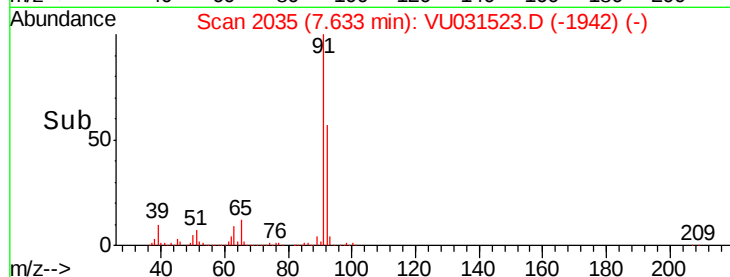
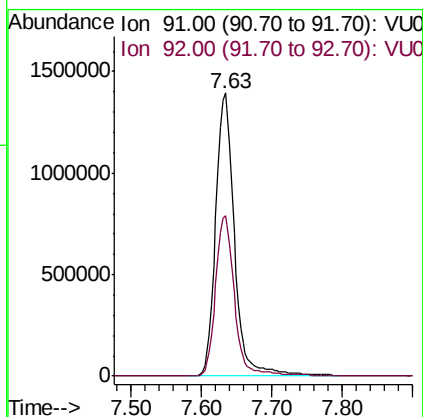
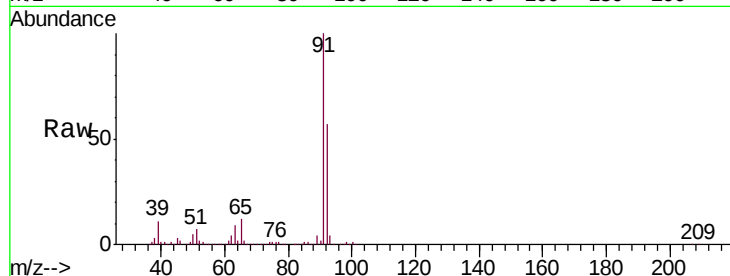
VSTD10052

Tgt Ion: 91 Resp: 2594119

Ion Ratio Lower Upper

91 100

92 56.6 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 124.369 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031523.D

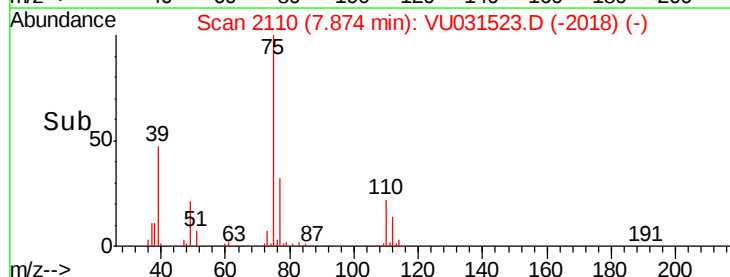
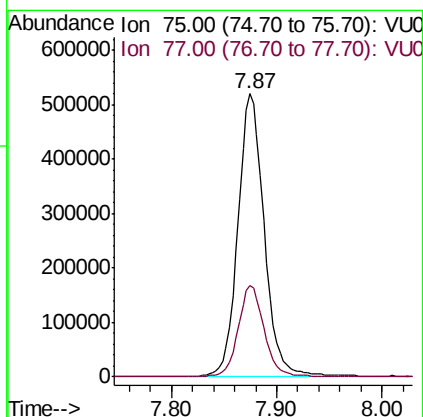
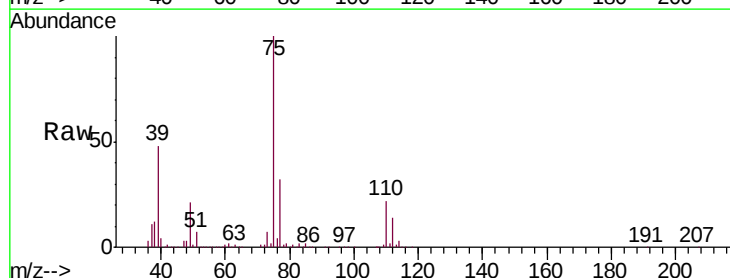
Acq: 26 Apr 2019 11:25

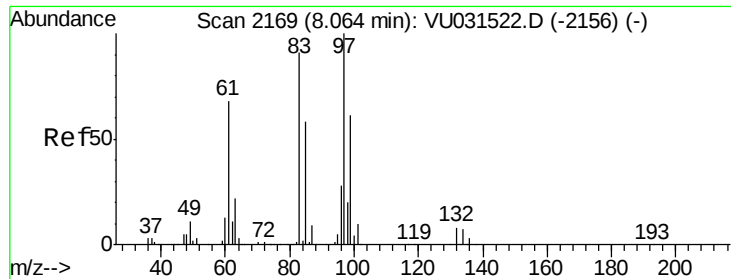
Tgt Ion: 75 Resp: 898908

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1

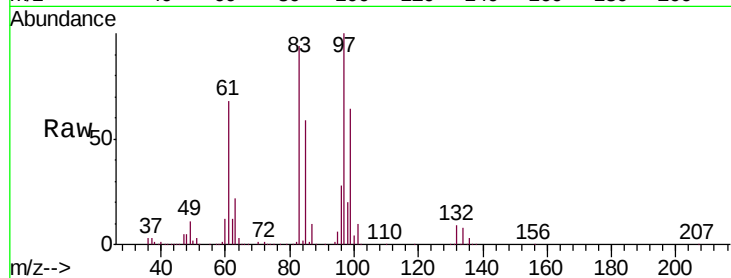




#45
 1,1,2-Trichloroethane
 Concen: 114.124 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

Tgt Ion:	97	Resp:	584919
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.0	80.0
83	94.0	63.6	118.2
85	59.0	40.5	75.3



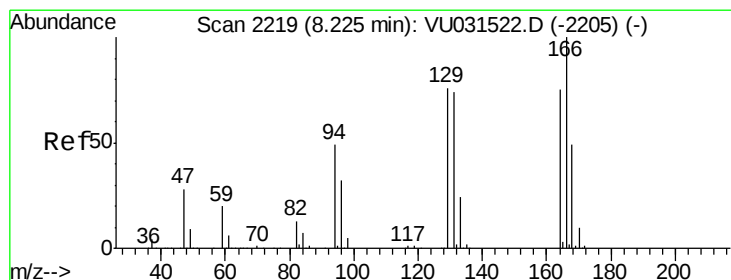
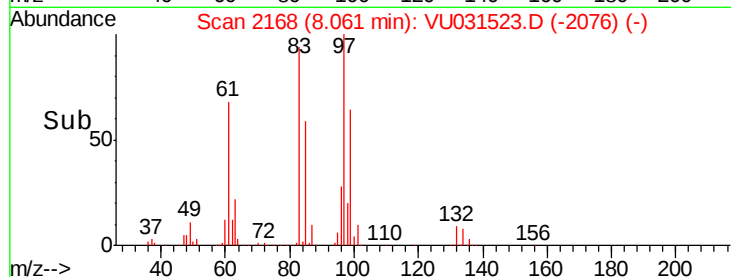
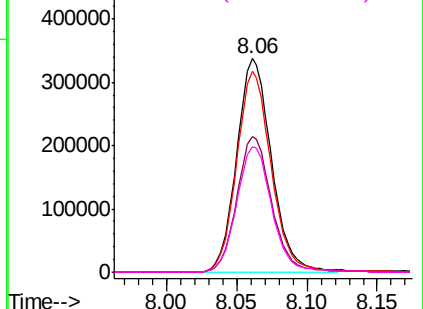
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

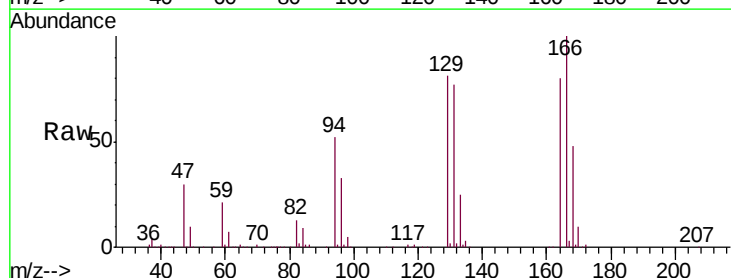
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 109.215 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion:	164	Resp:	417066
Ion	Ratio	Lower	Upper
164	100		
129	100.8	71.5	132.9
131	96.6	69.0	128.2
166	125.2	93.7	173.9



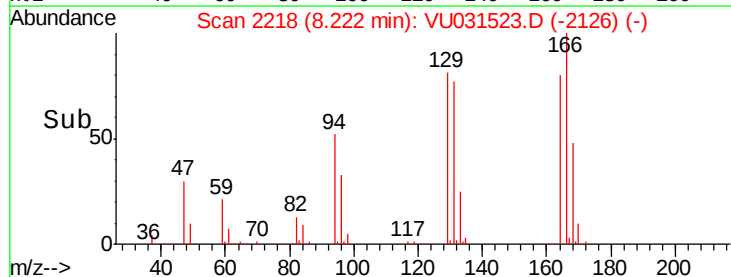
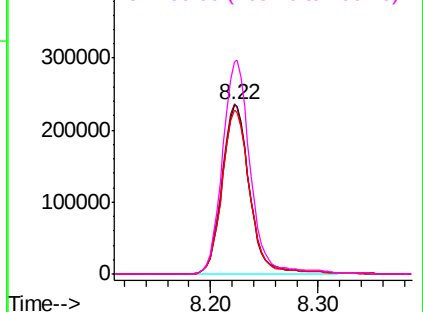
Abundance

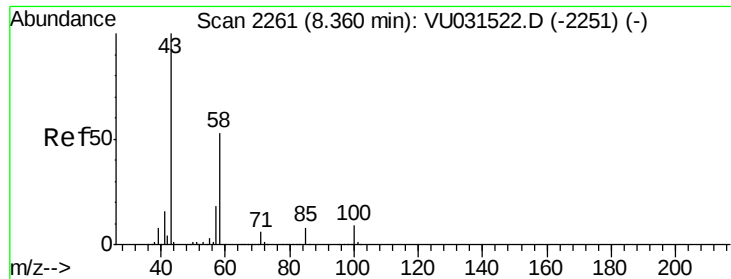
Ion 164.00 (163.70 to 164.70): V

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

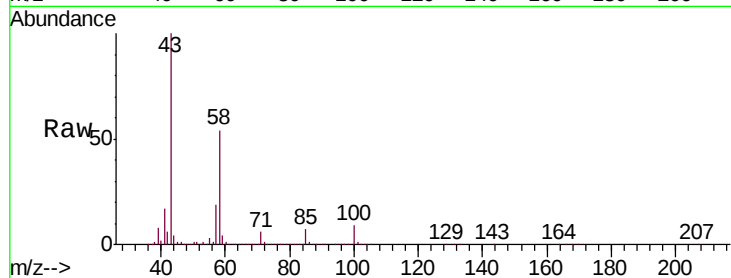




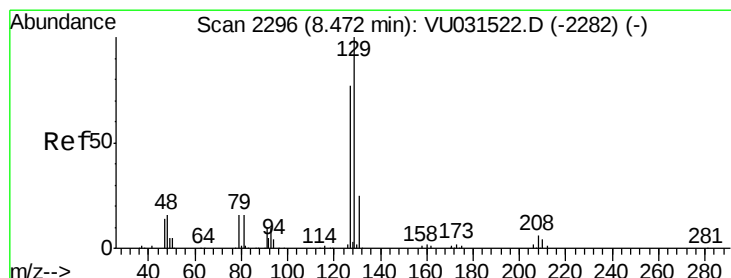
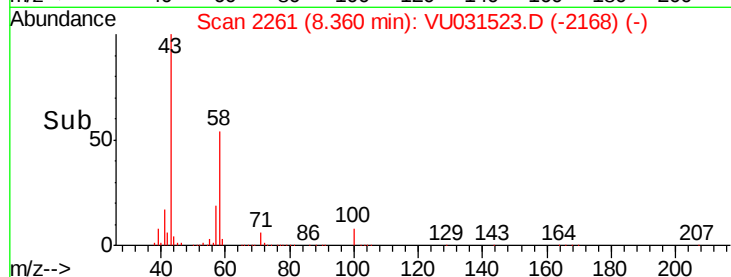
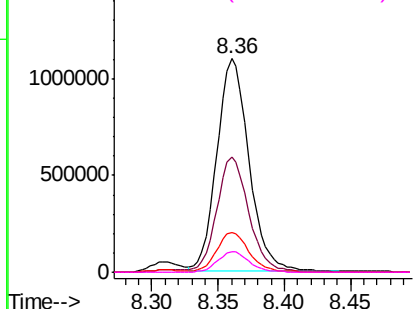
#48
2-Hexanone
Concen: 269.315 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD10052

Tgt Ion: 43 Resp: 1852296
Ion Ratio Lower Upper
43 100
58 53.3 42.1 63.1
57 18.6 14.6 22.0
100 9.5 7.2 10.8

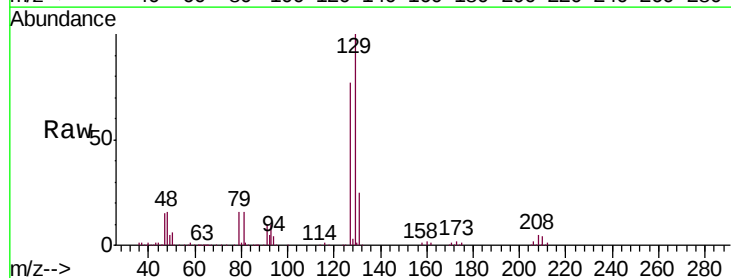


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

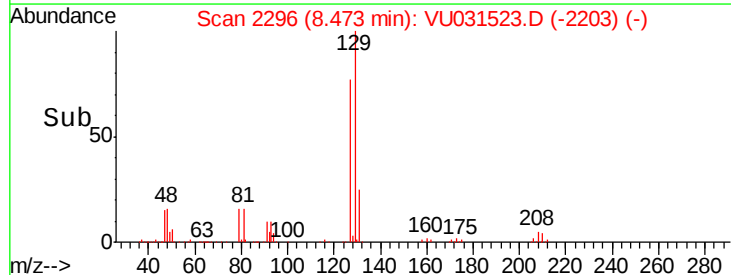
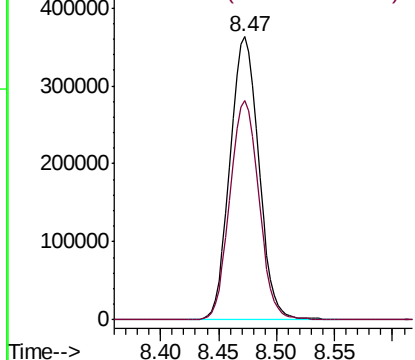


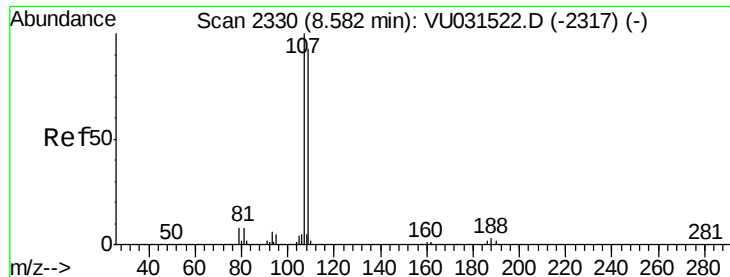
#49
Dibromochloromethane
Concen: 115.585 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031523.D
Acq: 26 Apr 2019 11:25

Tgt Ion: 129 Resp: 624318
Ion Ratio Lower Upper
129 100
127 77.4 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

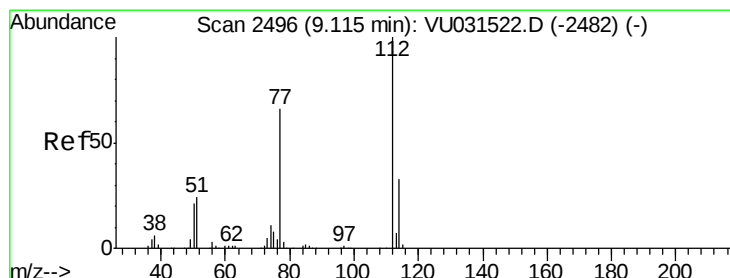
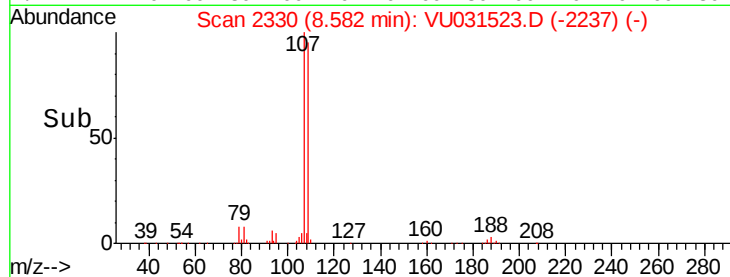
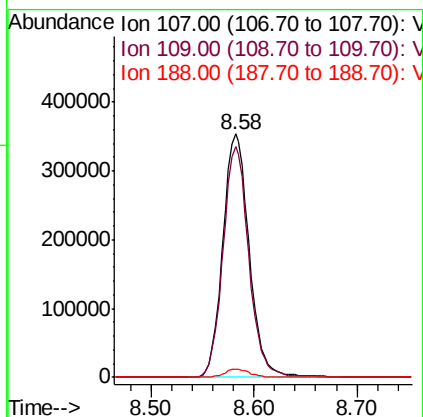
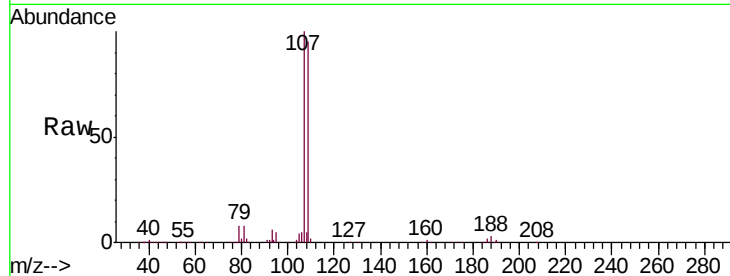




#50
 1,2-Dibromoethane
 Concen: 117.919 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

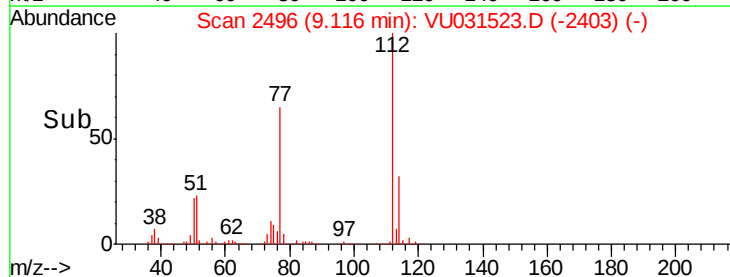
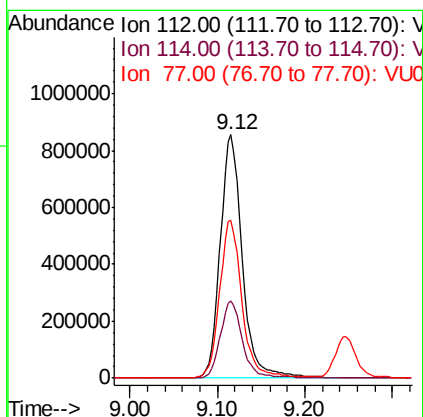
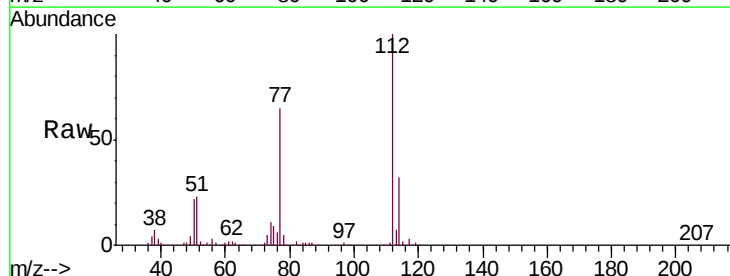
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

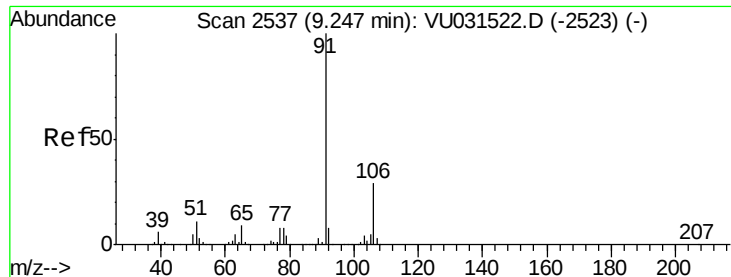
Tgt Ion:107 Resp: 629476
 Ion Ratio Lower Upper
 107 100
 109 94.7 64.9 120.5
 188 3.4 2.4 3.6



#51
 Chlorobenzene
 Concen: 113.102 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion:112 Resp: 1502936
 Ion Ratio Lower Upper
 112 100
 114 31.8 23.3 43.3
 77 64.9 53.0 79.4





#52

Ethylbenzene

Concen: 119.282 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

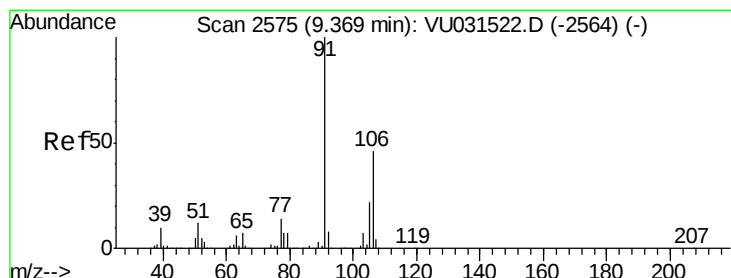
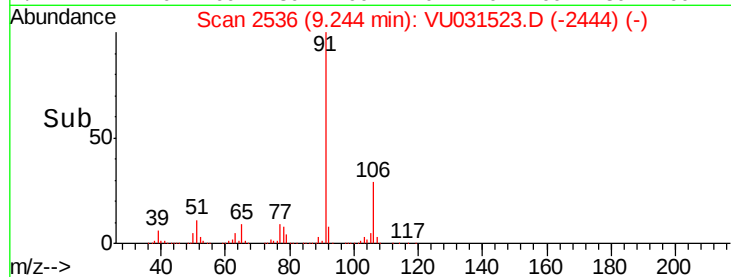
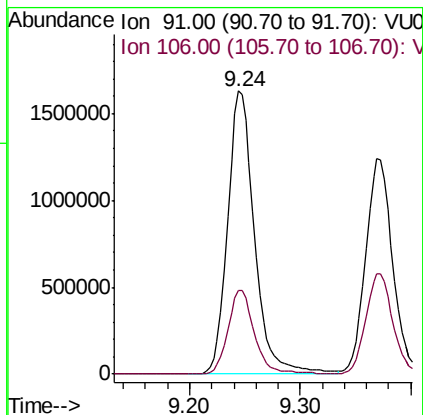
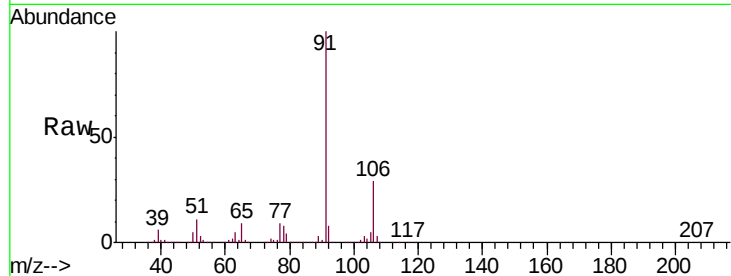
VSTD10052

Tgt Ion: 91 Resp: 2759086

Ion Ratio Lower Upper

91 100

106 29.5 20.4 37.8



#53

m,p-Xylene

Concen: 121.068 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031523.D

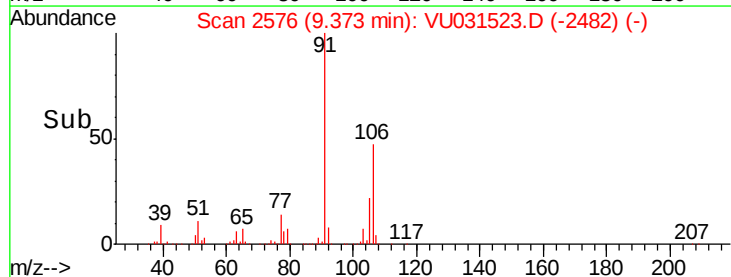
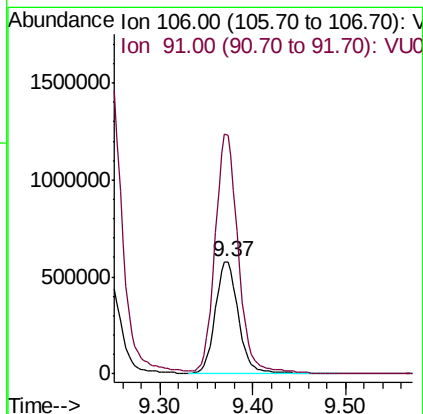
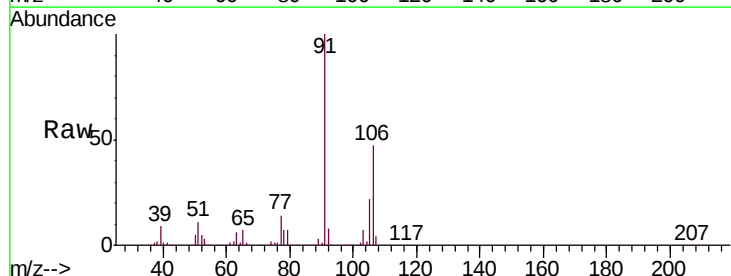
Acq: 26 Apr 2019 11:25

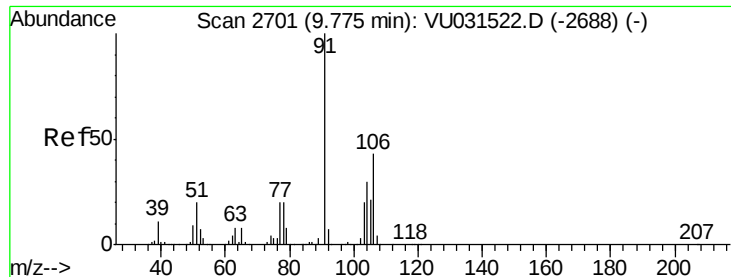
Tgt Ion: 106 Resp: 1004704

Ion Ratio Lower Upper

106 100

91 213.0 152.2 282.6





#54

o-xylene

Concen: 115.714 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

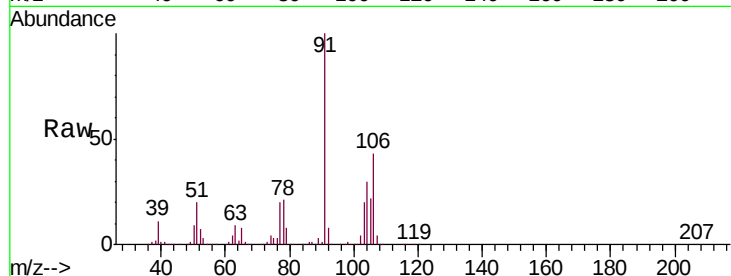
VSTD10052

Tgt Ion:106 Resp: 969087

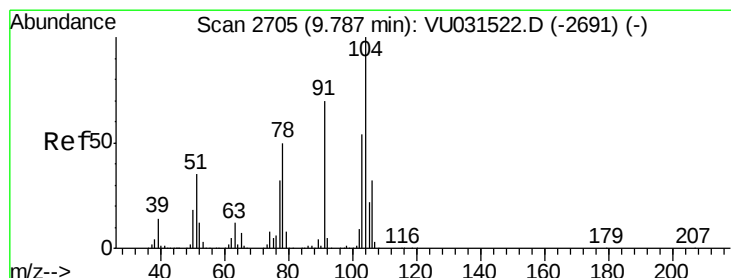
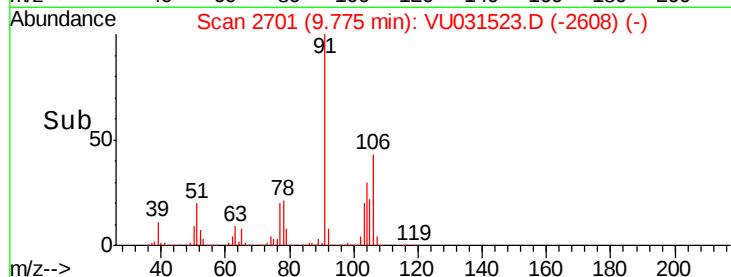
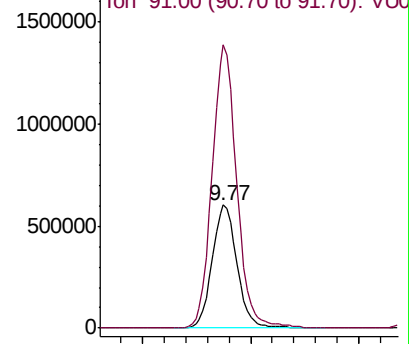
Ion Ratio Lower Upper

106 100

91 230.2 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 120.507 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031523.D

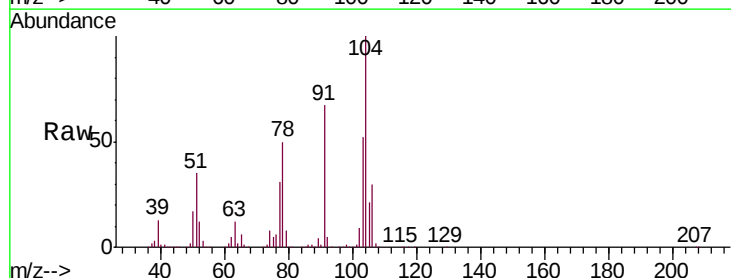
Acq: 26 Apr 2019 11:25

Tgt Ion:104 Resp: 1698964

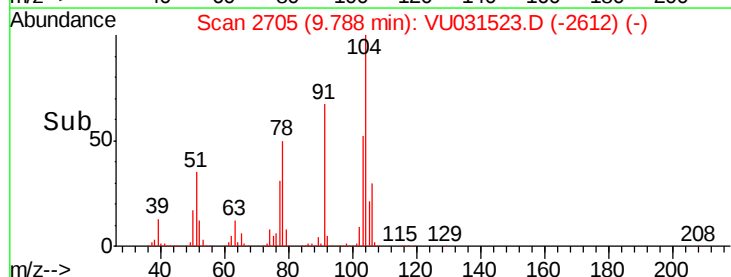
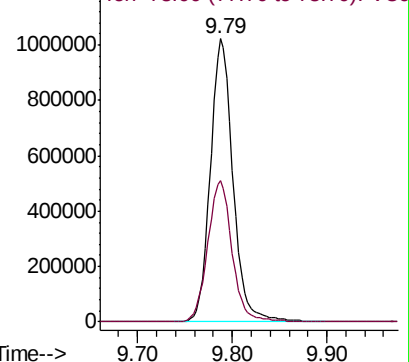
Ion Ratio Lower Upper

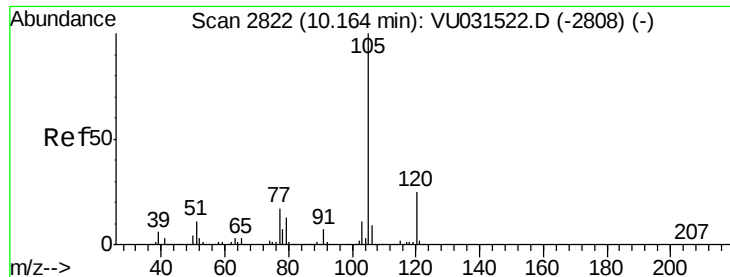
104 100

78 50.0 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 118.252 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD10052

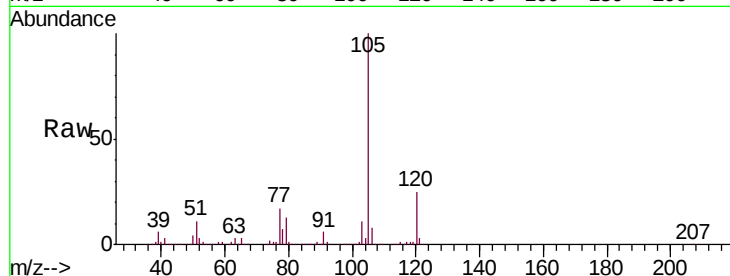
Tgt Ion:105 Resp: 2550620

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

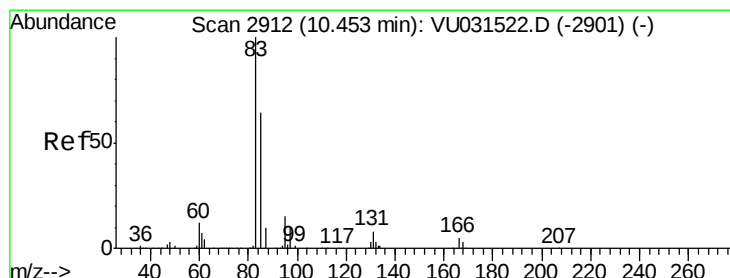
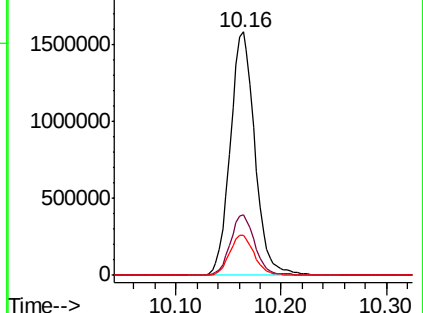
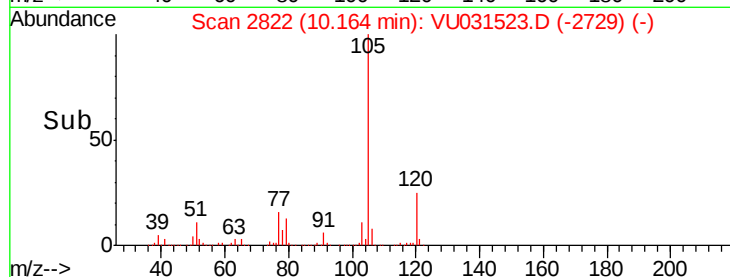
77 16.7 13.8 20.6



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: 117.196 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

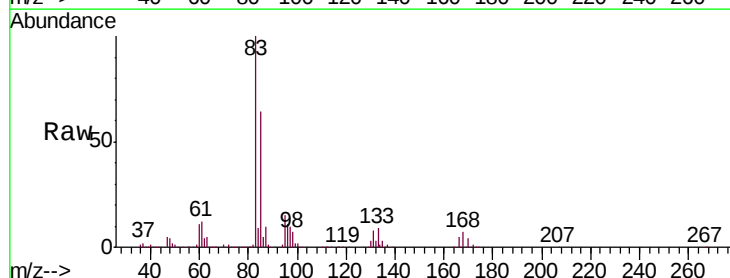
Tgt Ion: 83 Resp: 1037680

Ion Ratio Lower Upper

83 100

85 64.3 46.0 85.4

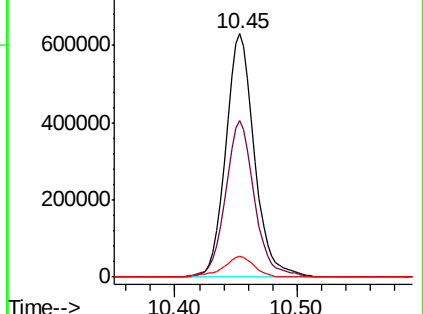
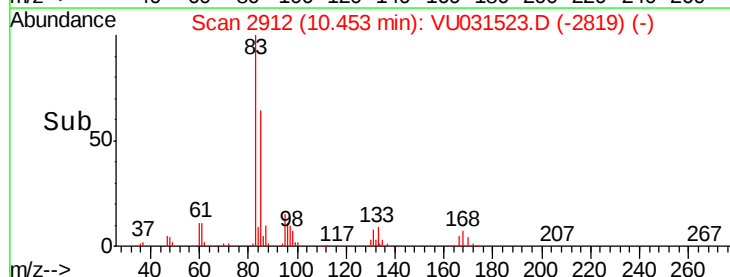
131 8.4 7.3 10.9

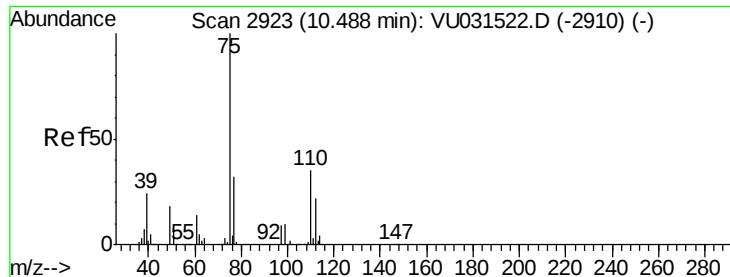


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 119.979 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

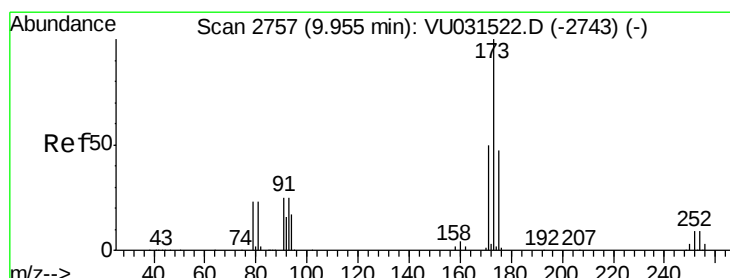
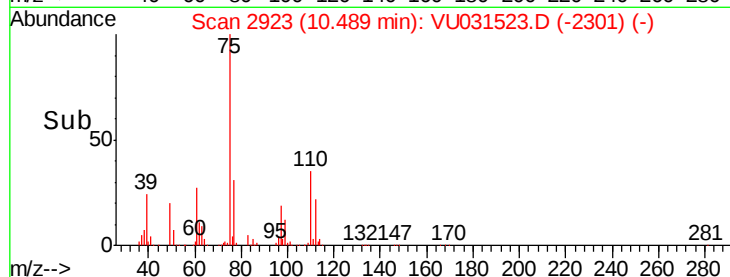
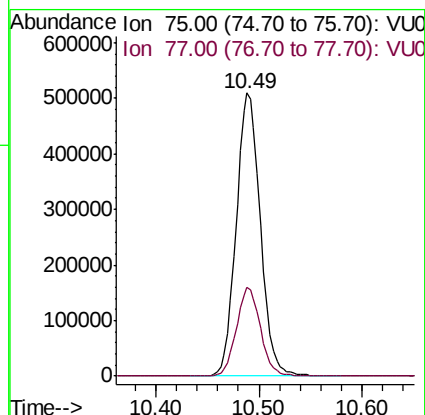
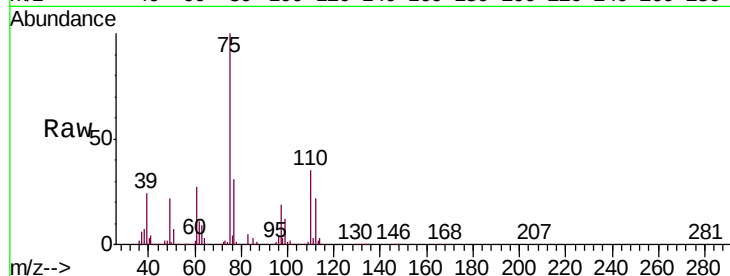
VSTD10052

Tgt Ion: 75 Resp: 831897

Ion Ratio Lower Upper

75 100

77 30.9 25.9 38.9



#61

Bromoform

Concen: 107.407 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

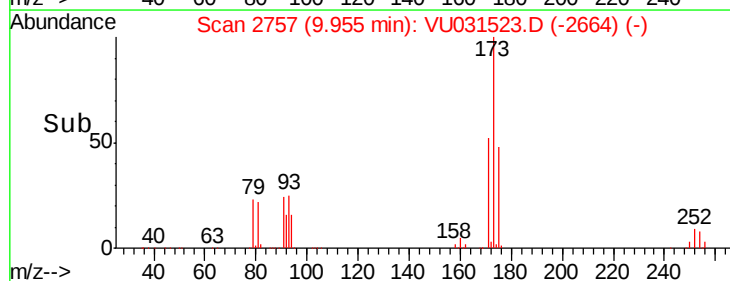
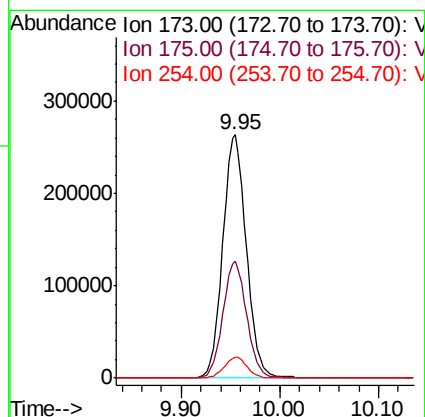
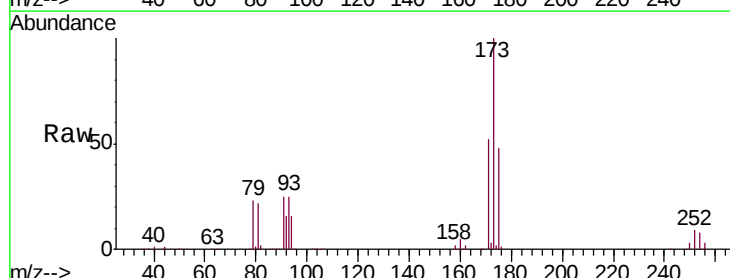
Tgt Ion: 173 Resp: 441757

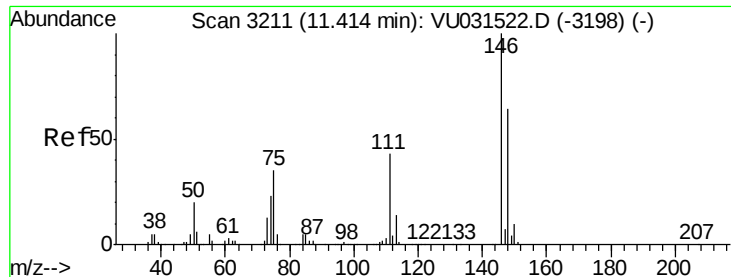
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 8.4 6.6 9.8

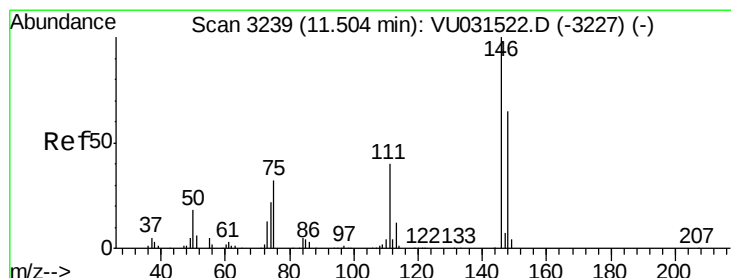
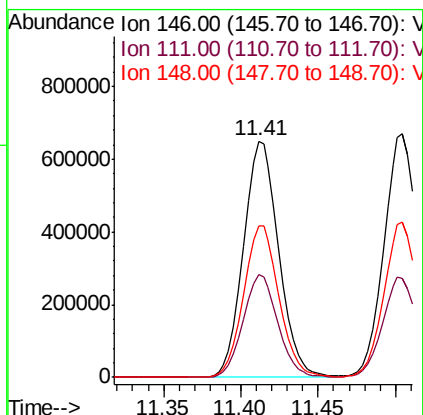
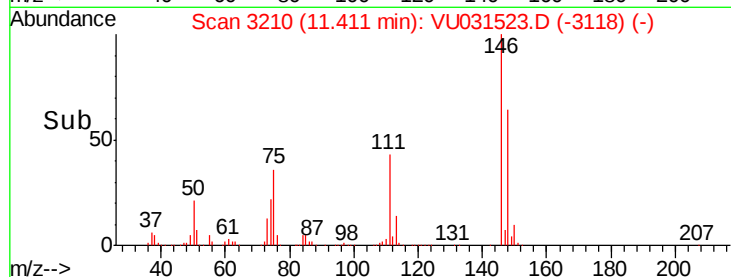
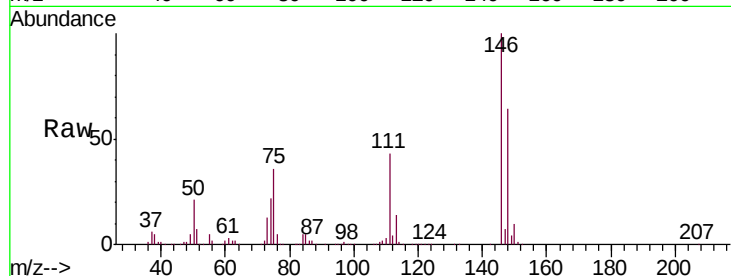




#62
 1,3-Dichlorobenzene
 Concen: 106.717 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

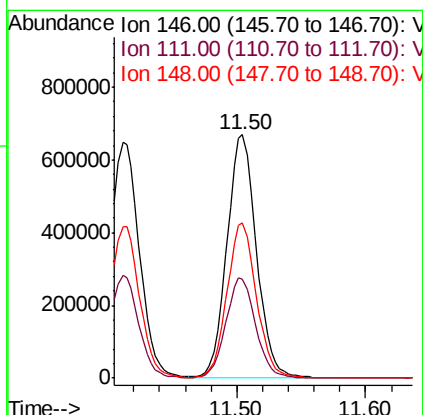
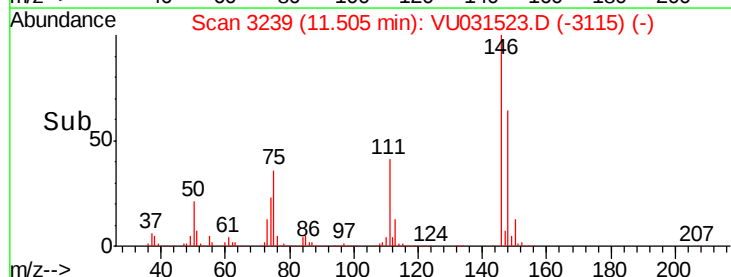
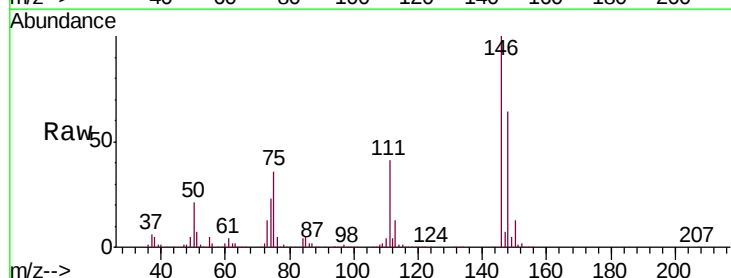
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

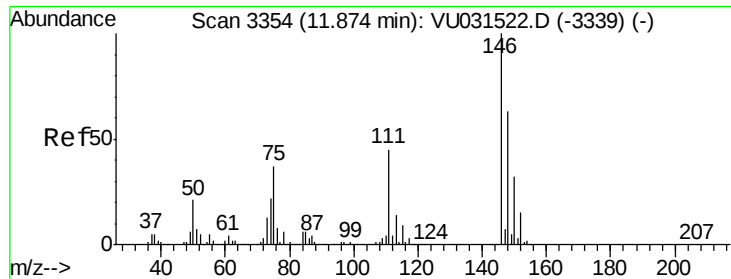
Tgt Ion:146 Resp: 1033094
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.8 55.4
 148 64.3 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 109.353 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion:146 Resp: 1061305
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.2 52.4
 148 63.7 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 107.555 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD10052

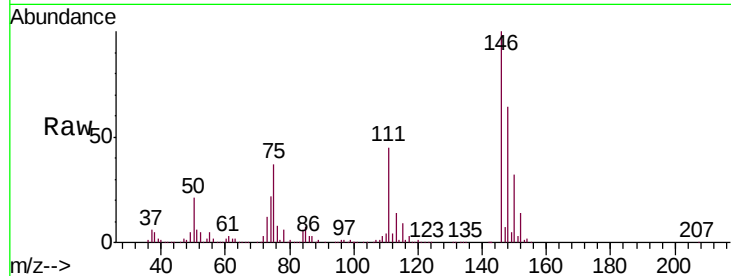
Tgt Ion:146 Resp: 1072468

Ion Ratio Lower Upper

146 100

111 45.0 35.9 53.9

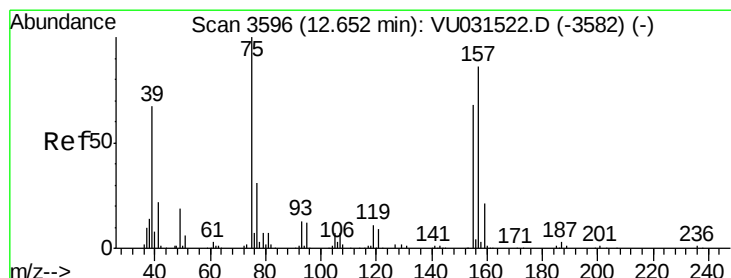
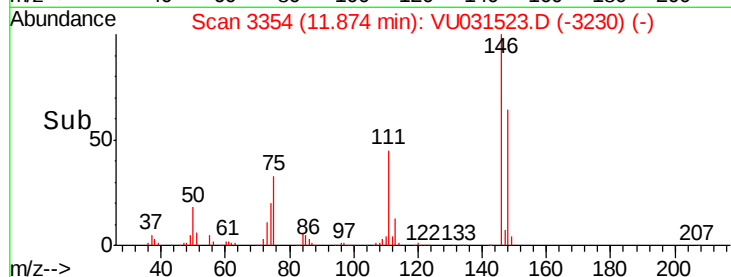
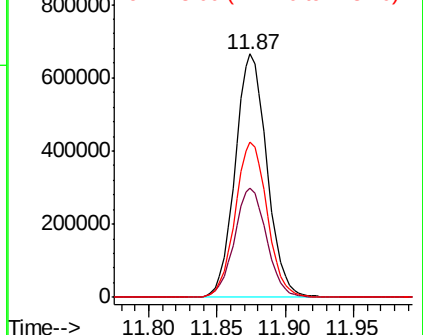
148 63.7 50.5 75.7



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: 126.374 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

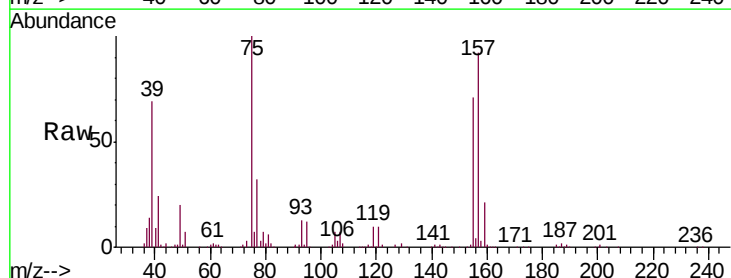
Tgt Ion: 75 Resp: 245435

Ion Ratio Lower Upper

75 100

155 71.0 54.0 81.0

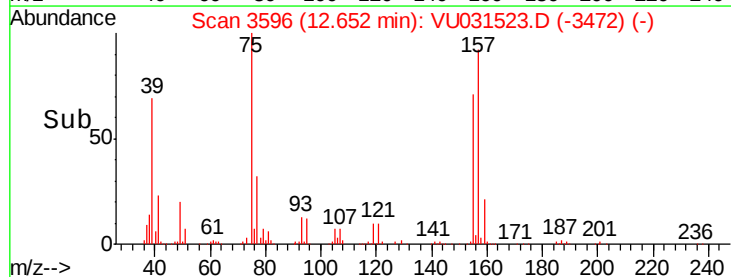
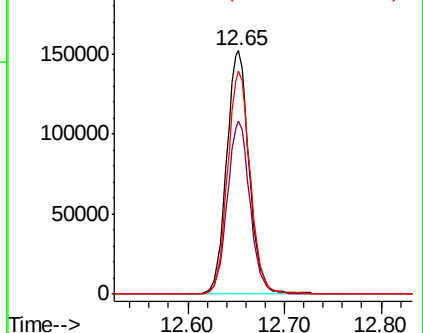
157 91.7 69.1 103.7

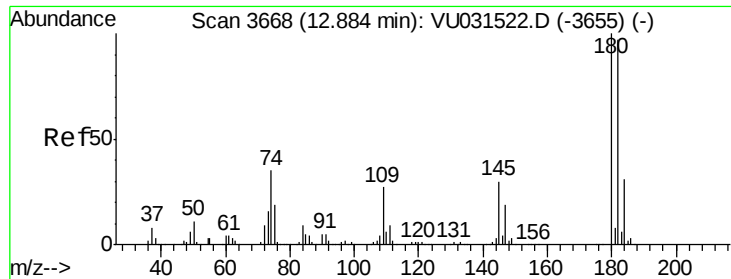


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

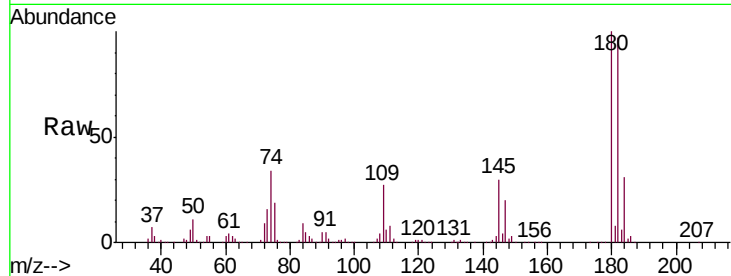




#67
 1,3,5-Trichlorobenzene
 Concen: 110.527 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10052

Tgt Ion:	180	Resp:	783875
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.3	115.9
184	30.9	24.4	36.6
145	30.0	23.8	35.8



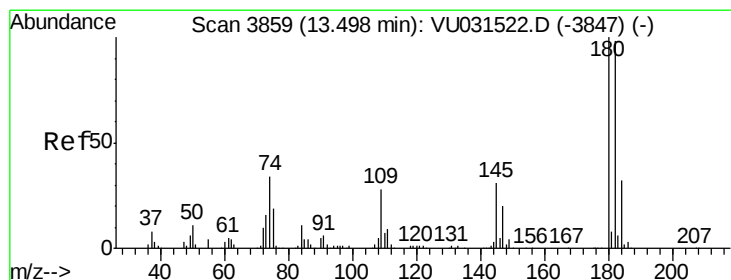
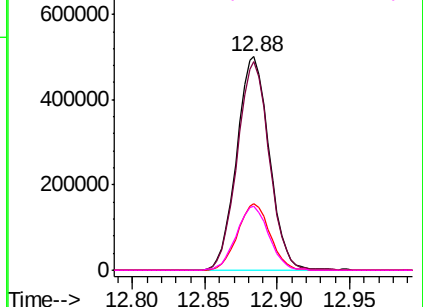
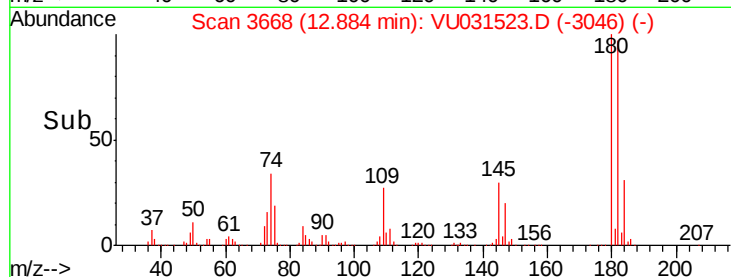
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

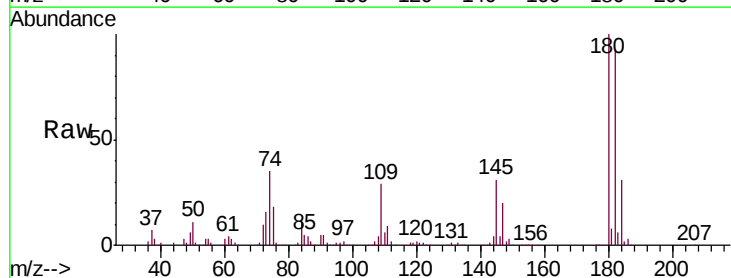
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 118.224 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031523.D
 Acq: 26 Apr 2019 11:25

Tgt Ion:	180	Resp:	673789
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
145	31.4	24.5	36.7

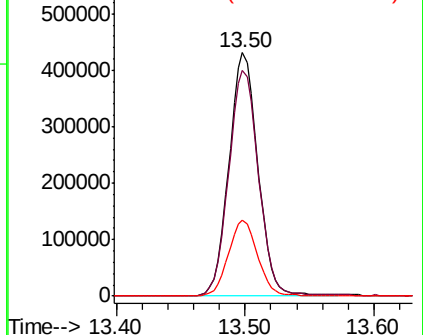
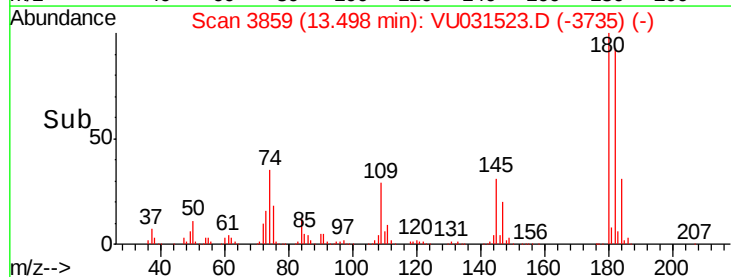


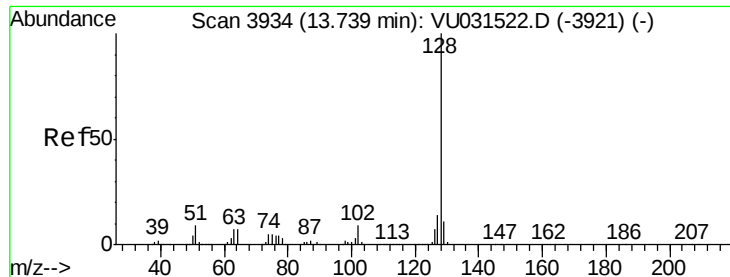
Abundance

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: 123.661 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD10052

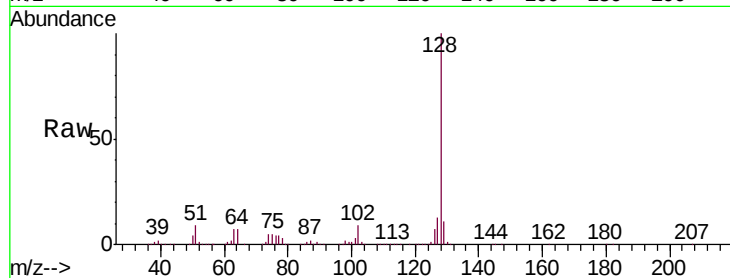
Tgt Ion:128 Resp: 2445551

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

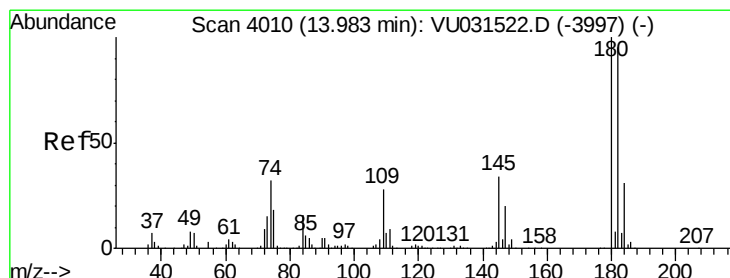
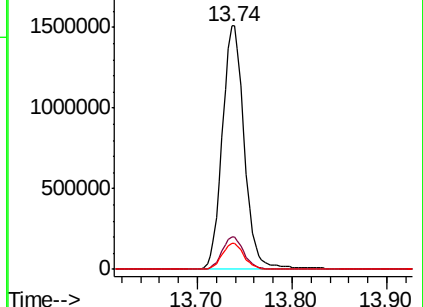
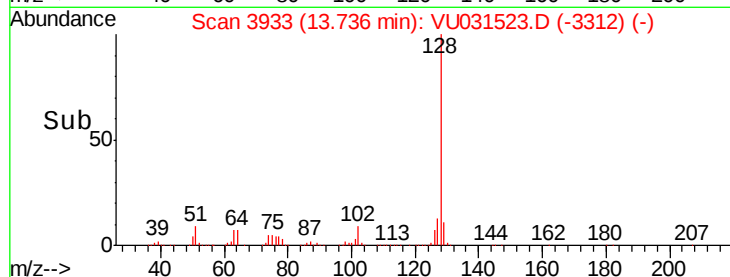
129 10.8 8.7 13.1



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: 115.999 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031523.D

Acq: 26 Apr 2019 11:25

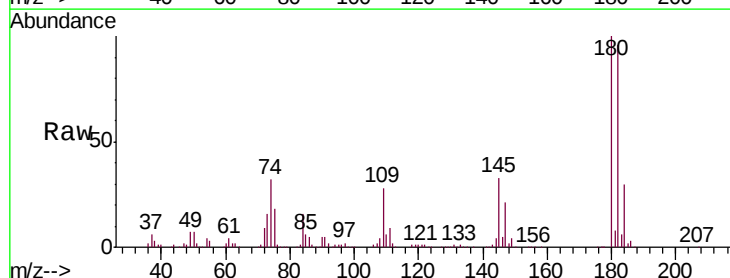
Tgt Ion:180 Resp: 718572

Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

145 32.7 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

