

Data File : VU029491.D
Acq On : 15 Feb 2019 11:58
Operator : JC/SP
Sample : VSTD20045
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

Quant Time: Feb 15 22:31:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 22:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458867	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472335	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277951	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	696855	194.98	ug/L	0.00
7) Chloroethane-d5	1.66	69	620384	218.23	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.26	63	1178479	187.23	ug/L	0.00
21) 2-Butanone-d5	4.17	46	904439	370.23	ug/L	0.00
24) Chloroform-d	4.64	84	1172307	206.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	723507	206.31	ug/L	0.00
32) Benzene-d6	5.34	84	2446224	189.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	733419	170.29	ug/L	0.00
41) Toluene-d8	7.56	98	2617348	219.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	427318	216.34	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	901843	433.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	1361262	220.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	1241163	219.36	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	619926	172.096	ug/L	100
3) Chloromethane	1.32	50	542547	118.028	ug/L	98
5) Vinyl chloride	1.40	62	767381	177.756	ug/L	100
6) Bromomethane	1.60	94	434690	234.153	ug/L	99
8) Chloroethane	1.68	64	507866	201.855	ug/L	99
9) Trichlorofluoromethane	1.87	101	1193796	247.316	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	570094	188.230	ug/L	98
12) 1,1-Dichloroethene	2.28	96	534194	178.996	ug/L	90
13) Acetone	2.32	43	784275	312.822	ug/L	99
14) Carbon disulfide	2.47	76	1589321	162.335	ug/L	100
15) Methyl Acetate	2.61	43	566952	148.180	ug/L	99
16) Methylene chloride	2.69	84	577786	165.854	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	573515	185.437	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	1797286	188.754	ug/L	99
19) 1,1-Dichloroethane	3.44	63	983476	167.217	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	677977	193.211	ug/L	96
22) 2-Butanone	4.26	43	1021746	337.397	ug/L	99
23) Bromochloromethane	4.54	128	362403	209.613	ug/L	98
25) Chloroform	4.67	83	1087550	189.031	ug/L	100
27) 1,2-Dichloroethane	5.40	62	886363	205.552	ug/L	99
29) Cyclohexane	4.99	56	935965	158.721	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1000586	201.573	ug/L	99
31) Carbon tetrachloride	5.13	117	917821	223.899	ug/L	99
33) Benzene	5.39	78	2481984	172.879	ug/L	100
34) Trichloroethene	6.18	95	673155	189.791	ug/L	99
35) Methylcyclohexane	6.41	83	1099536	188.211	ug/L	99
37) 1,2-Dichloropropane	6.43	63	649512	163.307	ug/L	99
38) Bromodichloromethane	6.75	83	884058	194.592	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	1110862	191.161	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1944202	362.033	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	3066858	205.773	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	1086837	209.183	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	697066	196.905	ug/L	98
46) Tetrachloroethene	8.22	164	643342	224.562	ug/L	100
48) 2-Hexanone	8.36	43	1727847	389.653	ug/L	99
49) Dibromochloromethane	8.48	129	893245	244.108	ug/L	99
50) 1,2-Dibromoethane	8.58	107	784183	211.154	ug/L	99
51) Chlorobenzene	9.12	112	2098473	218.694	ug/L	99
52) Ethylbenzene	9.25	91	3577800	220.553	ug/L	100
53) m,p-Xylene	9.37	106	1448718	239.092	ug/L	98
54) o-xylene	9.78	106	1484925	243.670	ug/L	99
55) Styrene	9.79	104	2654366	257.895	ug/L	98
56) Isopropylbenzene	10.16	105	3918497	251.614	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	1301211	203.968	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	970211	198.021	ug/L	100
61) Bromoform	9.95	173	824135	236.811	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	1858392	210.685	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1876662	207.061	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1901298	207.707	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	310840	198.707	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	1448466	222.032	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	1313873	238.138	ug/L	100
69) Naphthalene	13.74	128	4201713	223.465	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	1331469	225.308	ug/L	100

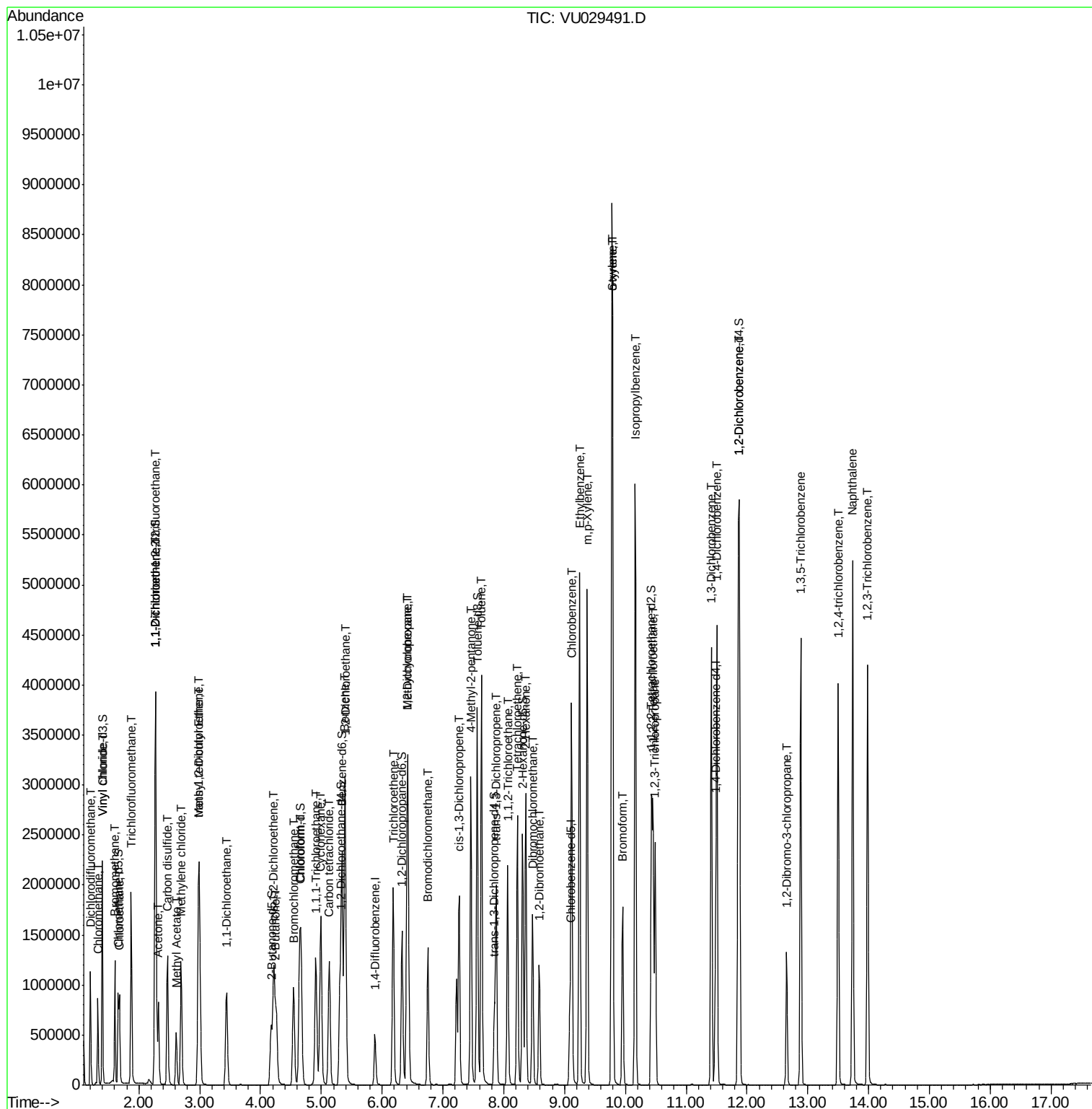
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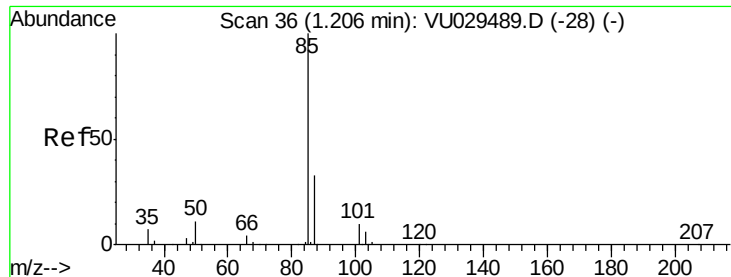
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#2

Dichlorodifluoromethane

Concen: 172.096 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

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Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

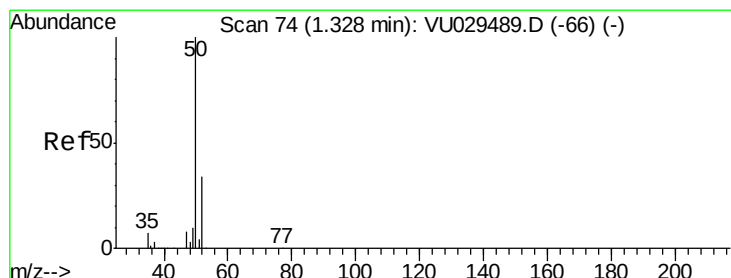
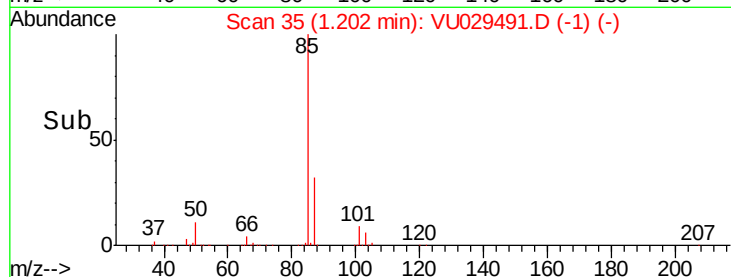
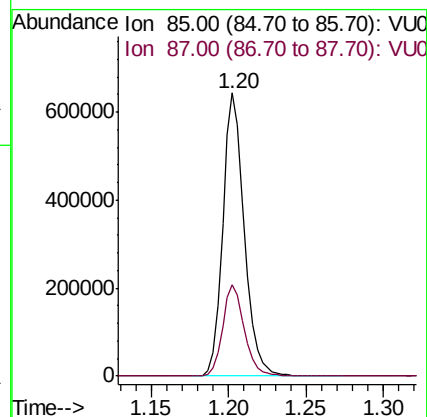
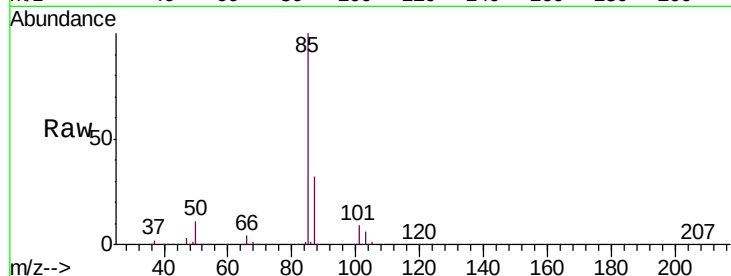
VSTD20045

Tgt Ion: 85 Resp: 619926

Ion Ratio Lower Upper

85 100

87 32.5 25.9 38.9



#3

Chloromethane

Concen: 118.028 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029491.D

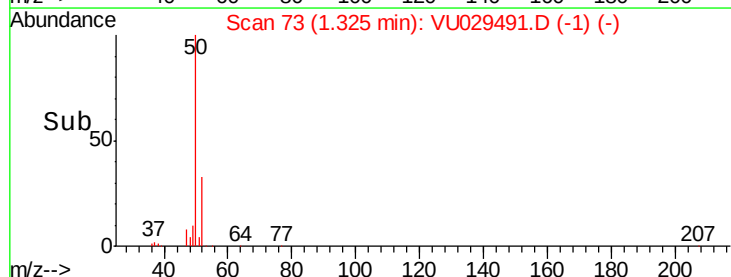
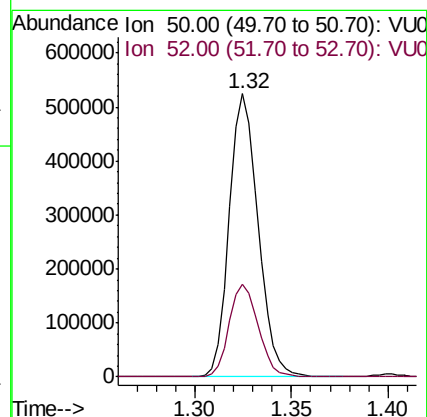
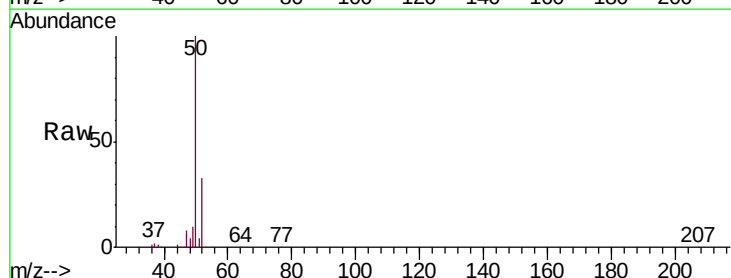
Acq: 15 Feb 2019 11:58

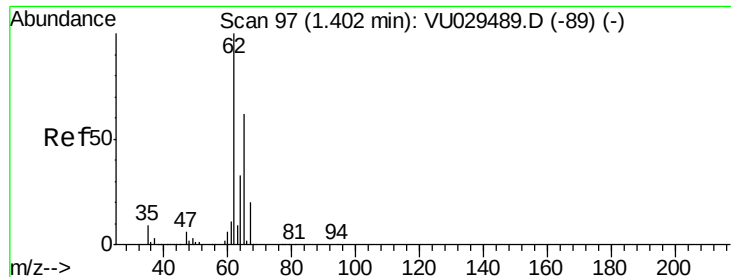
Tgt Ion: 50 Resp: 542547

Ion Ratio Lower Upper

50 100

52 32.9 23.9 44.3





#5

Vinyl chloride

Concen: 177.756 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

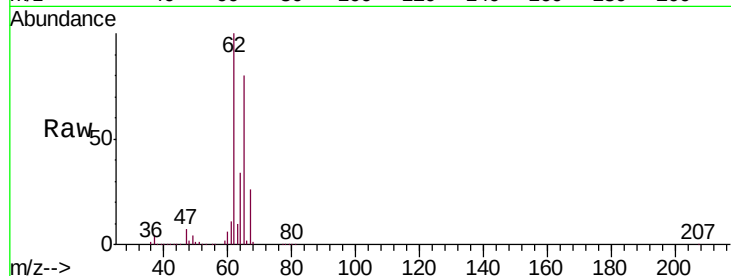
VSTD20045

Tgt Ion: 62 Resp: 767381

Ion Ratio Lower Upper

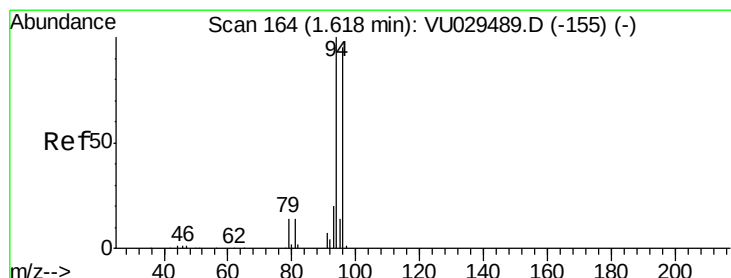
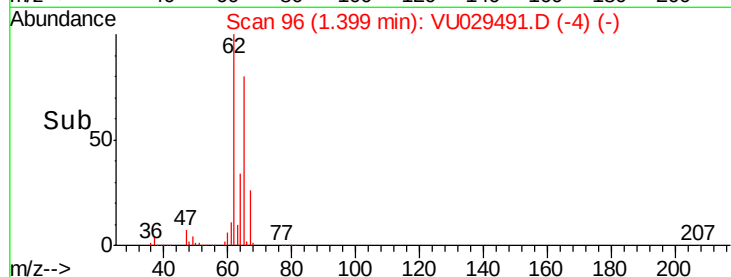
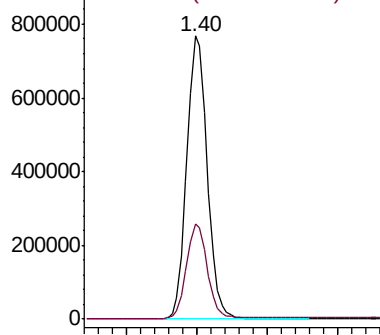
62 100

64 33.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 234.153 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU029491.D

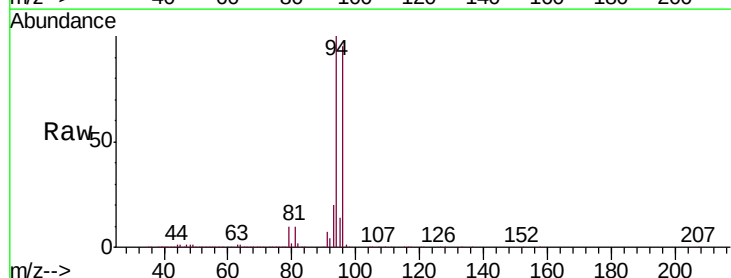
Acq: 15 Feb 2019 11:58

Tgt Ion: 94 Resp: 434690

Ion Ratio Lower Upper

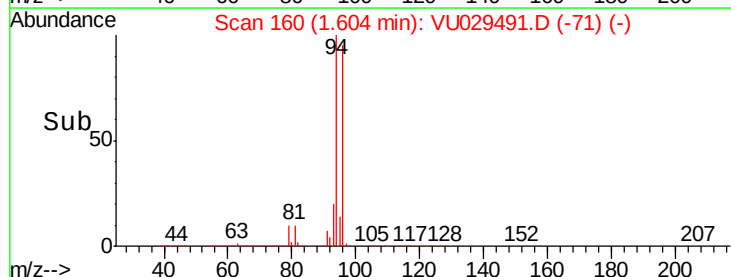
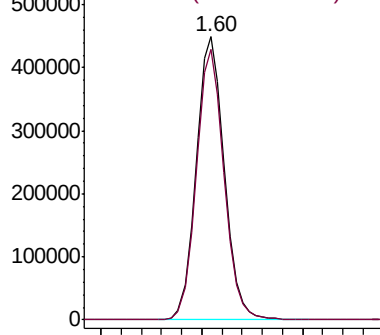
94 100

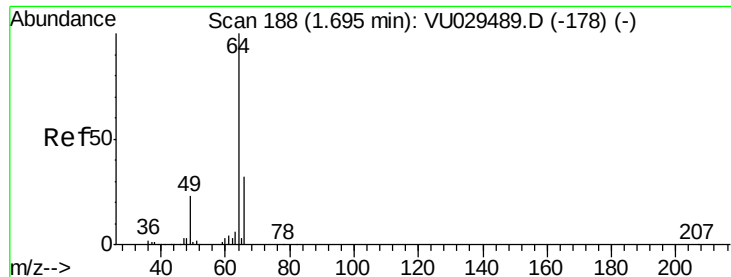
96 95.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

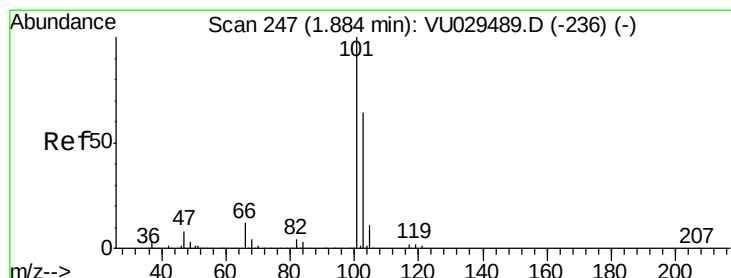
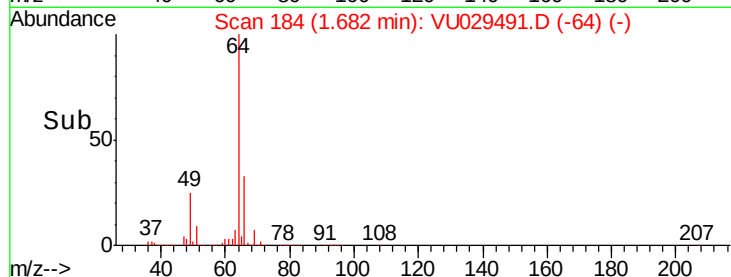
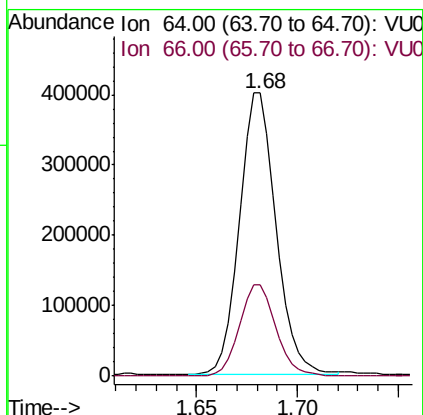
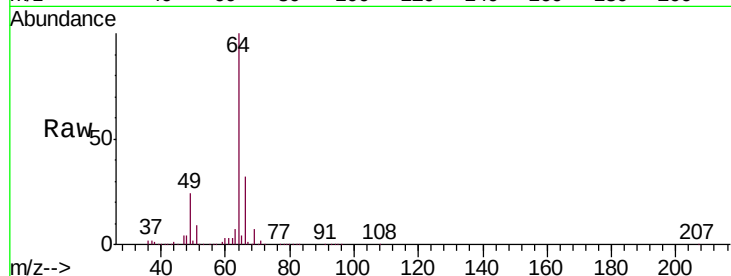




#8
Chloroethane
Concen: 201.855 ug/L
RT: 1.68 min Scan# 184
Delta R.T. -0.01 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

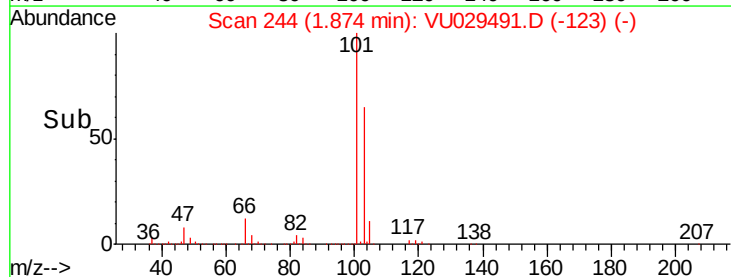
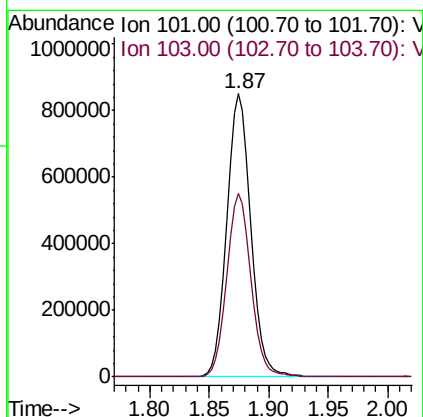
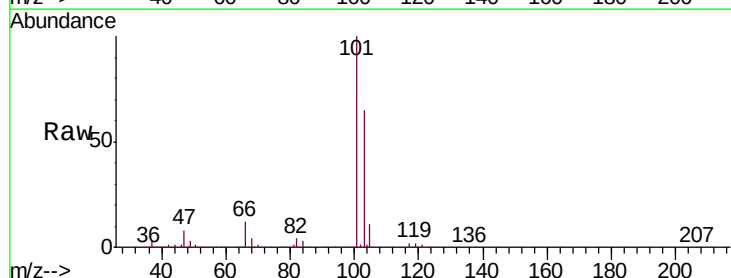
Instrument :
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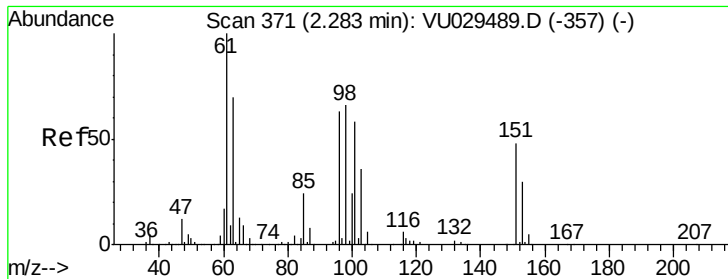
Tgt Ion: 64 Resp: 507866
Ion Ratio Lower Upper
64 100
66 32.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 247.316 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.01 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Tgt Ion: 101 Resp: 1193796
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 188.230 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

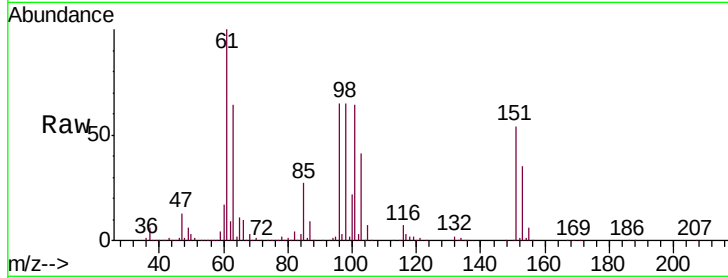
Tgt Ion: 101 Resp: 570094

Ion Ratio Lower Upper

101 100

85 42.3 33.0 49.6

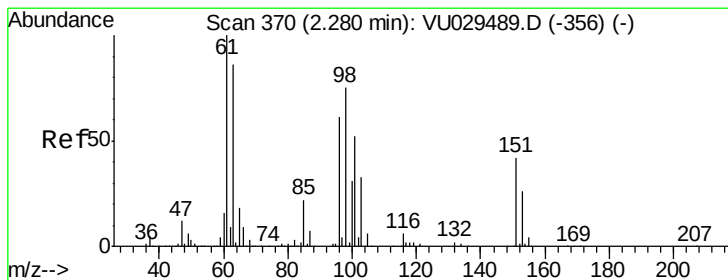
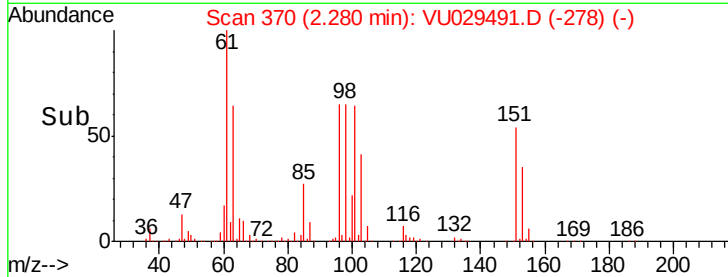
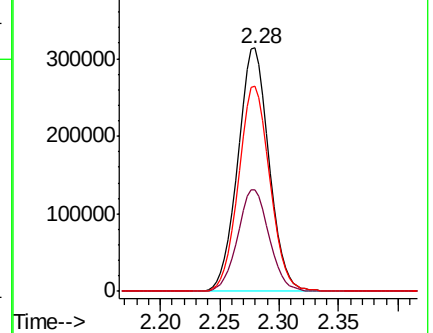
151 84.7 65.7 98.5



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: 178.996 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

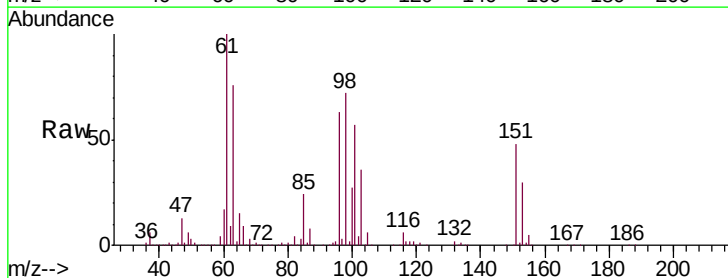
Tgt Ion: 96 Resp: 534194

Ion Ratio Lower Upper

96 100

61 157.8 114.0 211.8

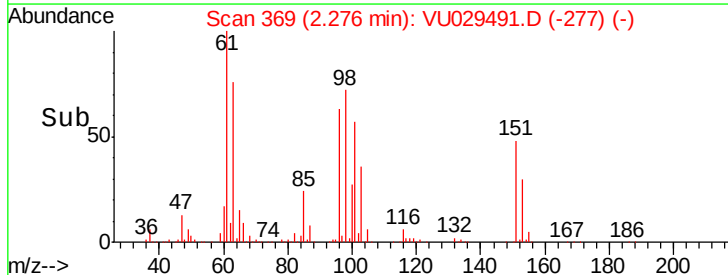
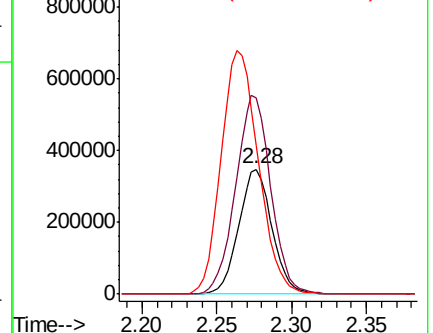
63 119.4 98.7 183.3

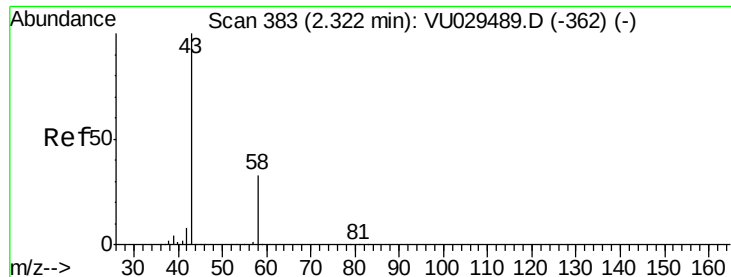


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 312.822 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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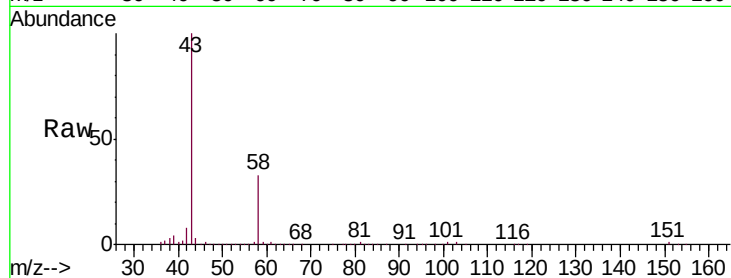
VSTD20045

Tgt Ion: 43 Resp: 784275

Ion Ratio Lower Upper

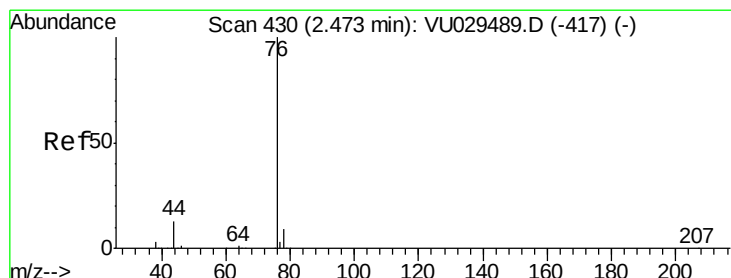
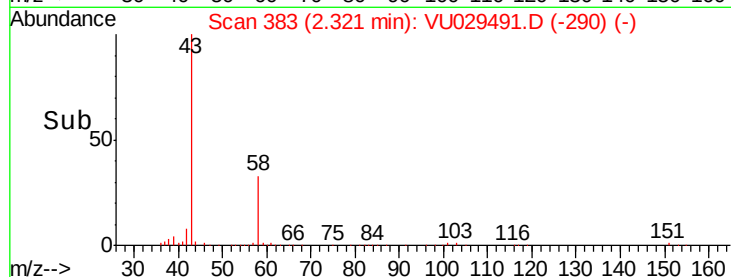
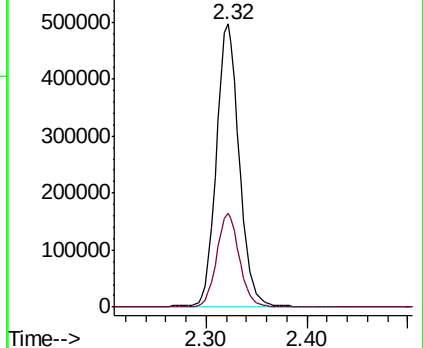
43 100

58 33.0 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 162.335 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU029491.D

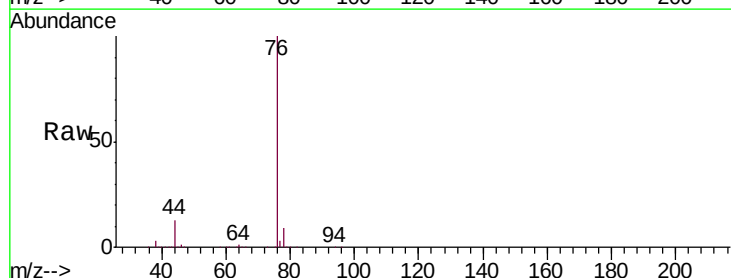
Acq: 15 Feb 2019 11:58

Tgt Ion: 76 Resp: 1589321

Ion Ratio Lower Upper

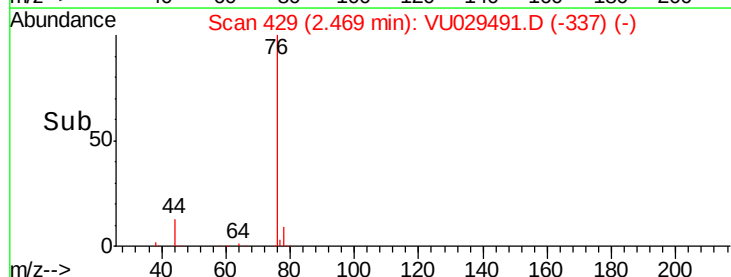
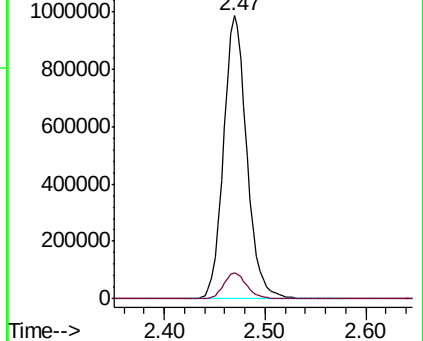
76 100

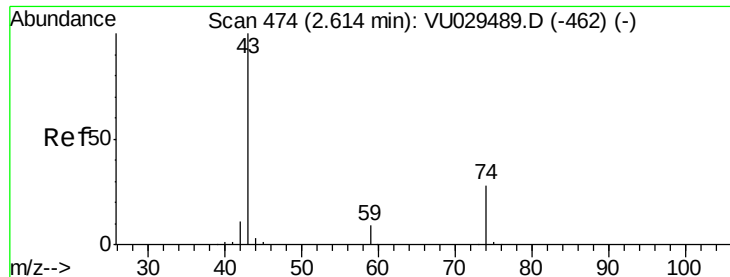
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 148.180 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

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Acq: 15 Feb 2019 11:58

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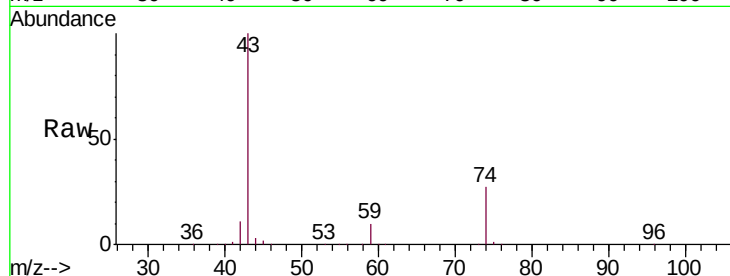
VSTD20045

Tgt Ion: 43 Resp: 566952

Ion Ratio Lower Upper

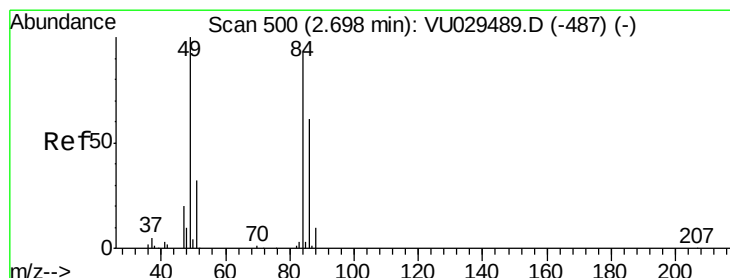
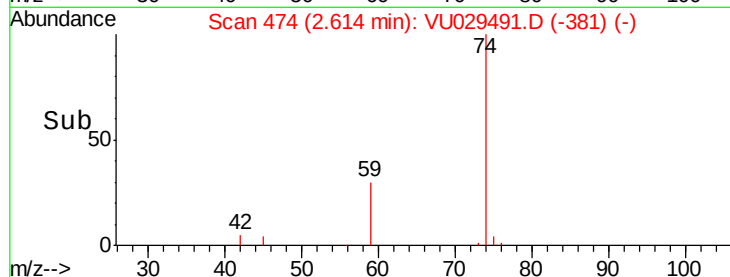
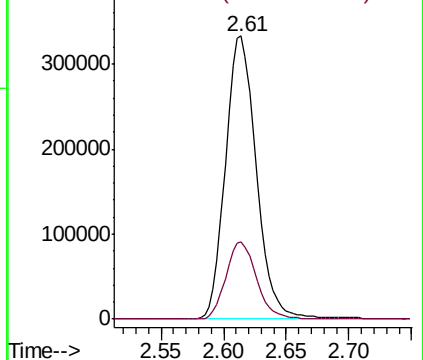
43 100

74 27.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 165.854 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

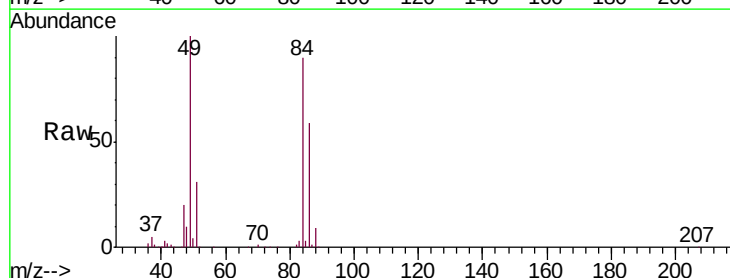
Tgt Ion: 84 Resp: 577786

Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.0

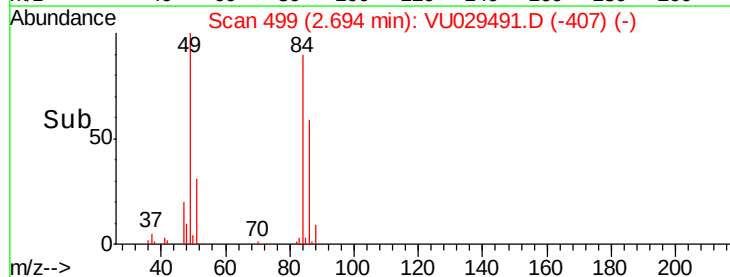
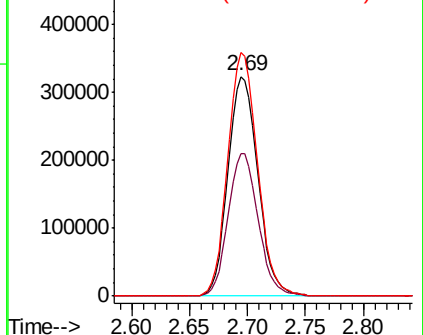
49 111.0 75.1 139.5

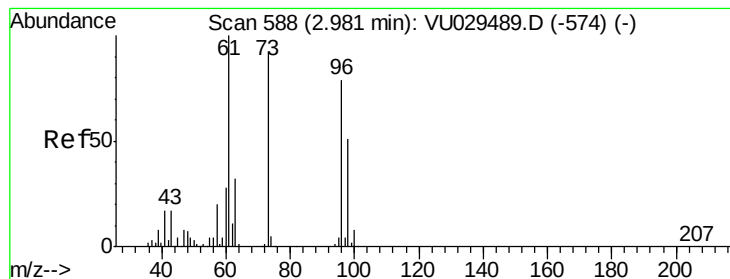


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 185.437 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

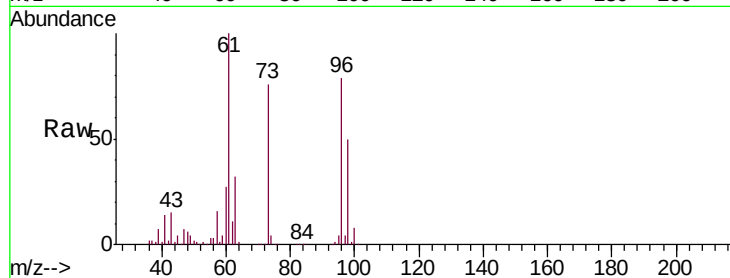
Tgt Ion: 96 Resp: 573515

Ion Ratio Lower Upper

96 100

61 127.2 88.3 163.9

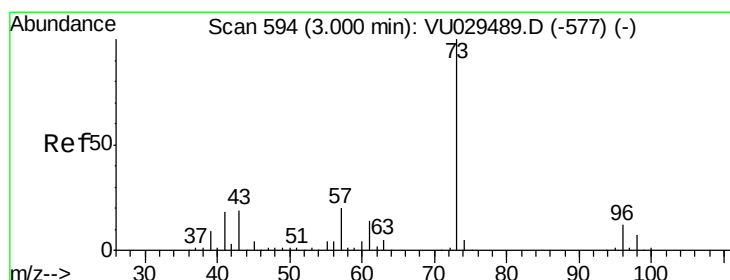
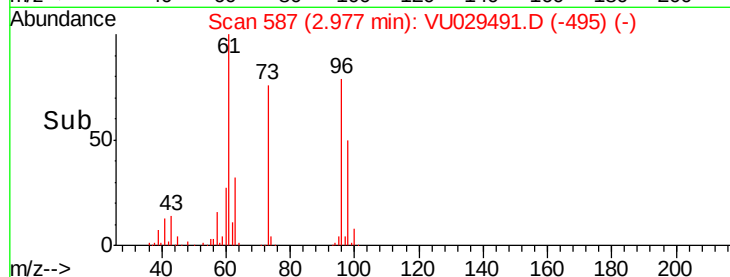
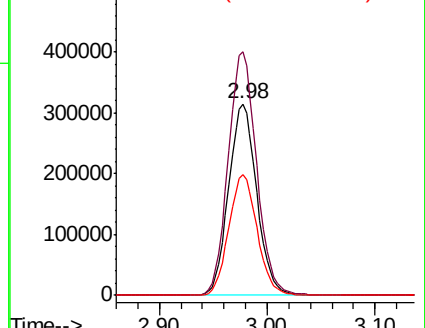
98 63.0 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU029489.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU029489.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU029489.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 188.754 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

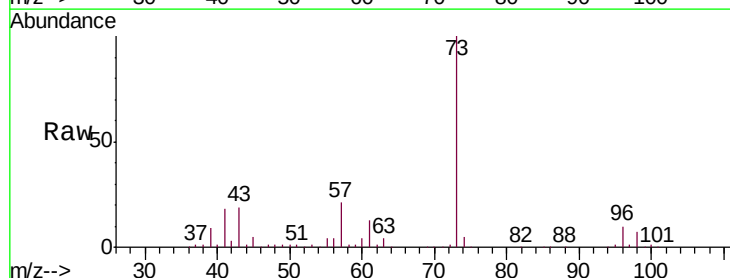
Tgt Ion: 73 Resp: 1797286

Ion Ratio Lower Upper

73 100

43 19.1 14.8 22.2

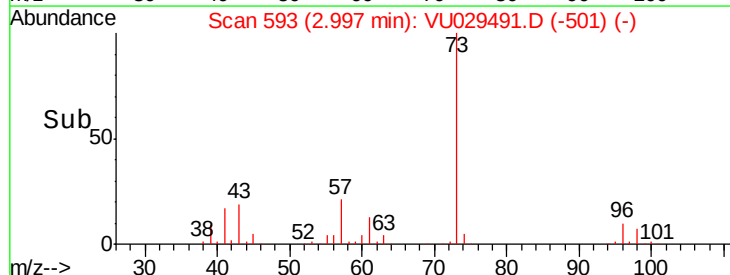
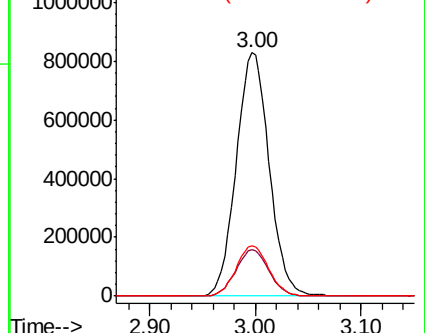
57 20.7 16.5 24.7

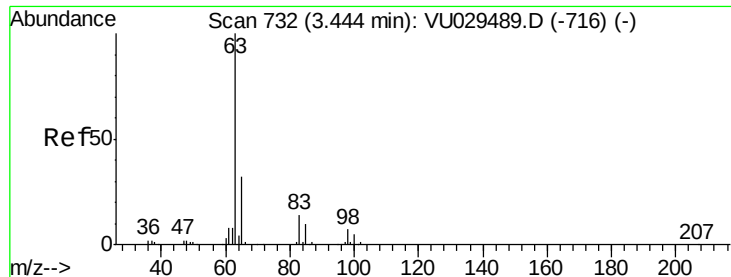


Abundance Ion 73.00 (72.70 to 73.70): VU029489.D (-577) (-)

Ion 43.00 (42.70 to 43.70): VU029489.D (-577) (-)

Ion 57.00 (56.70 to 57.70): VU029489.D (-577) (-)





#19

1,1-Dichloroethane

Concen: 167.217 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

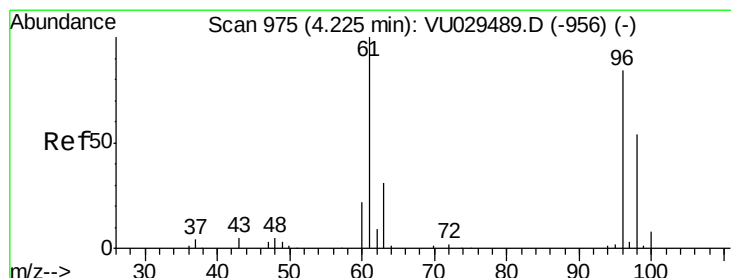
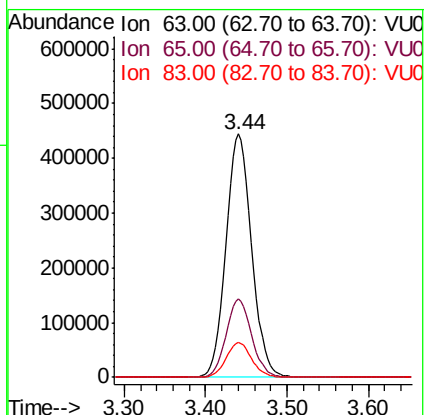
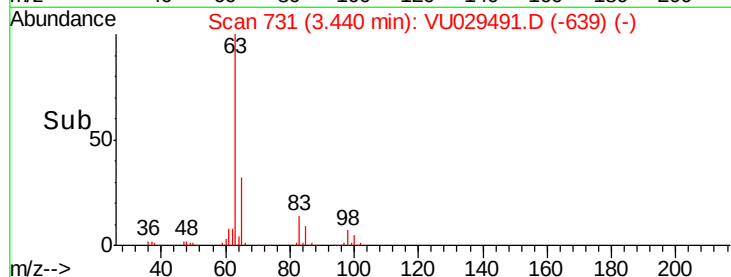
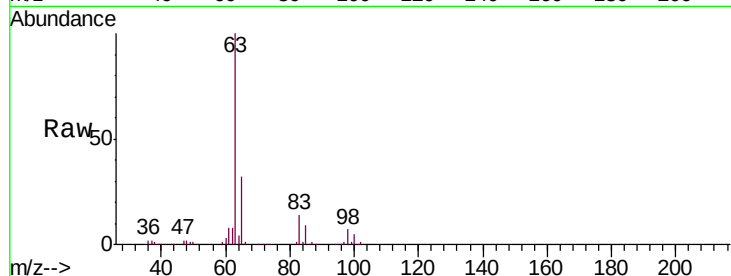
Tgt Ion: 63 Resp: 983476

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 14.3 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 193.211 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.01 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

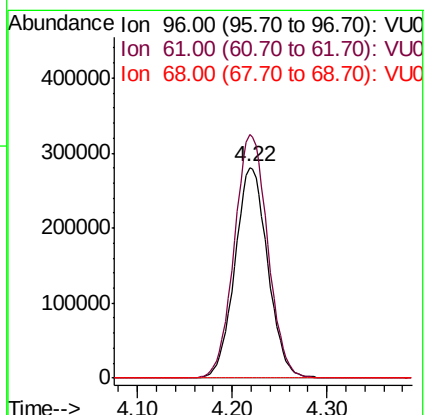
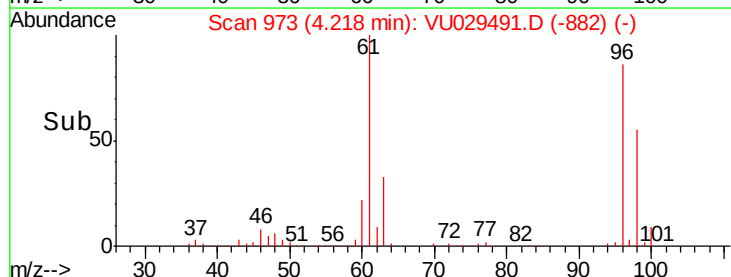
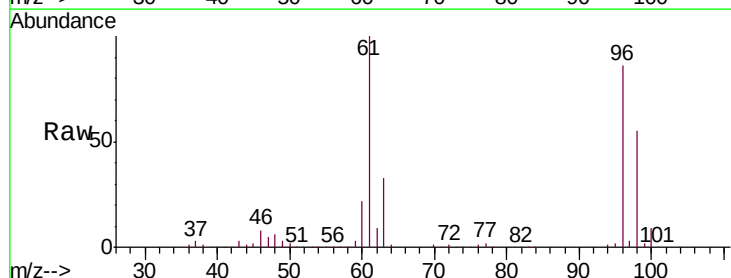
Tgt Ion: 96 Resp: 677977

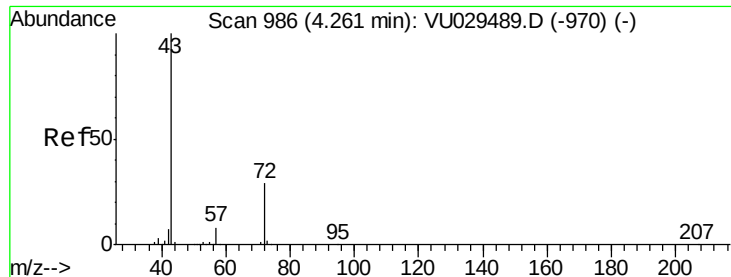
Ion Ratio Lower Upper

96 100

61 115.7 83.9 155.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 337.397 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

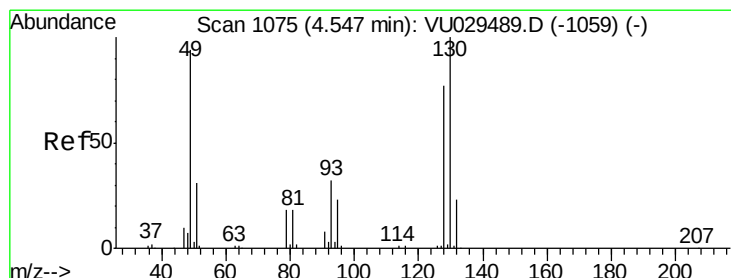
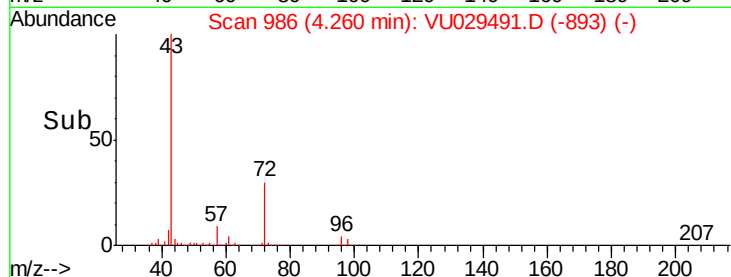
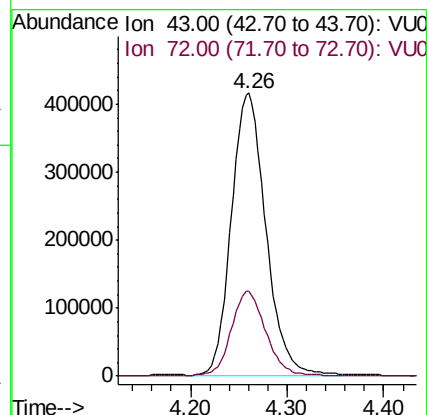
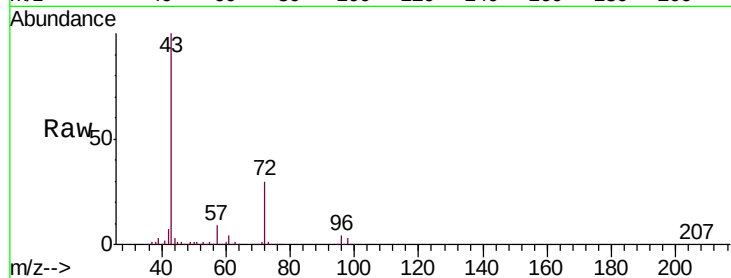
VSTD20045

Tgt Ion: 43 Resp: 1021746

Ion Ratio Lower Upper

43 100

72 30.7 15.2 45.6



#23

Bromochloromethane

Concen: 209.613 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Tgt Ion: 128 Resp: 362403

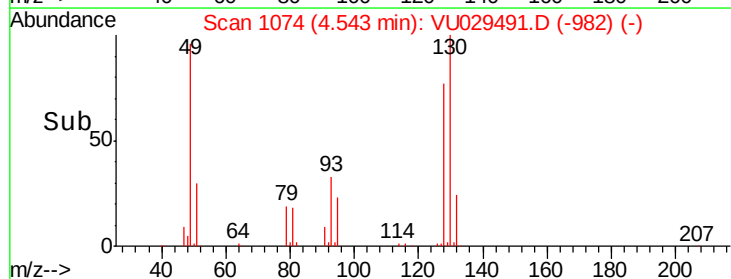
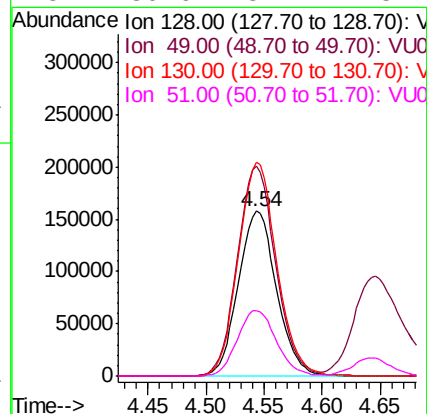
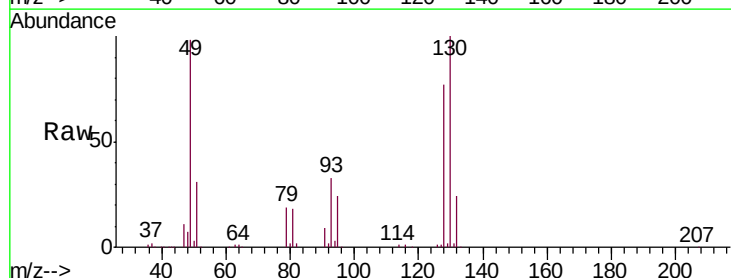
Ion Ratio Lower Upper

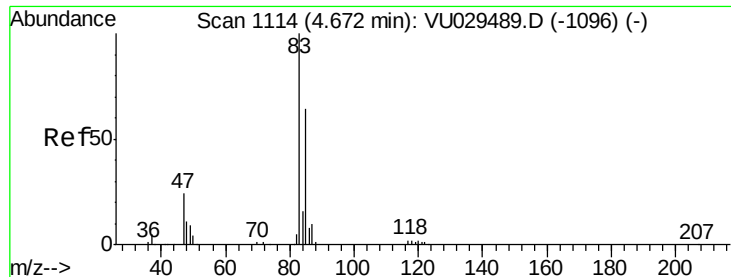
128 100

49 127.0 85.9 159.5

130 129.4 91.3 169.5

51 39.9 32.2 48.2

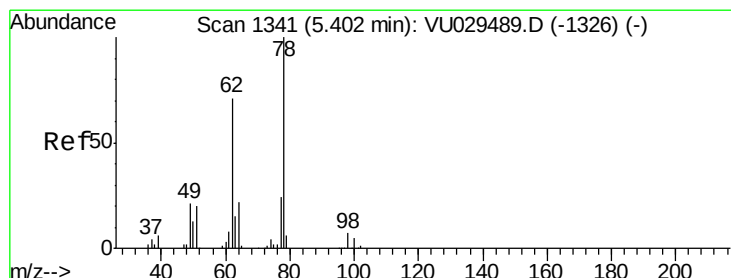
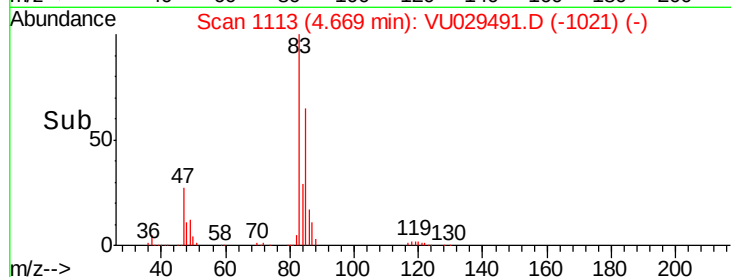
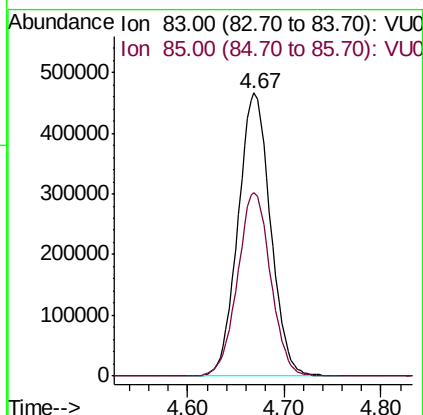
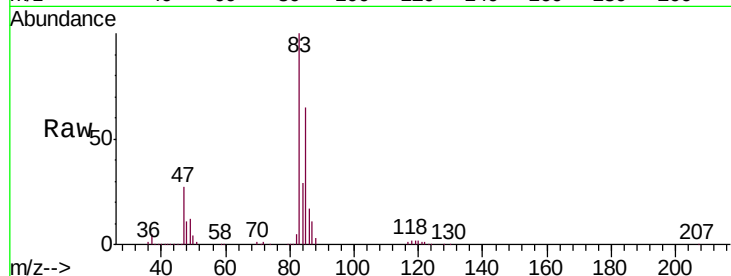




#25
Chloroform
Concen: 189.031 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

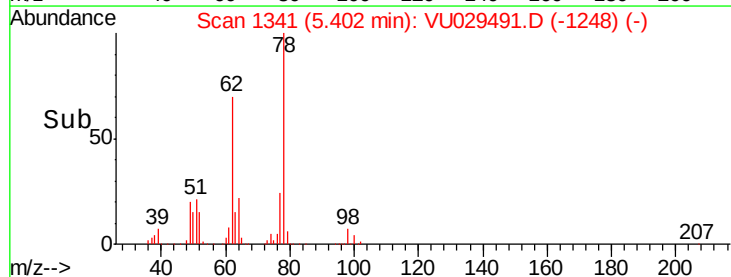
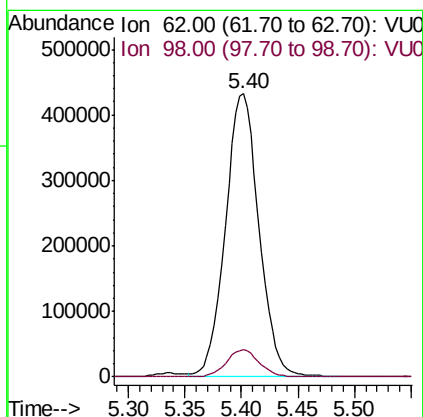
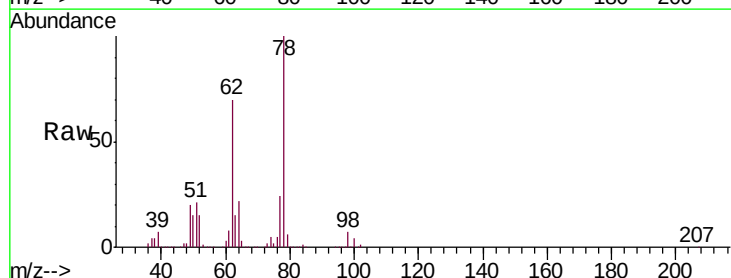
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

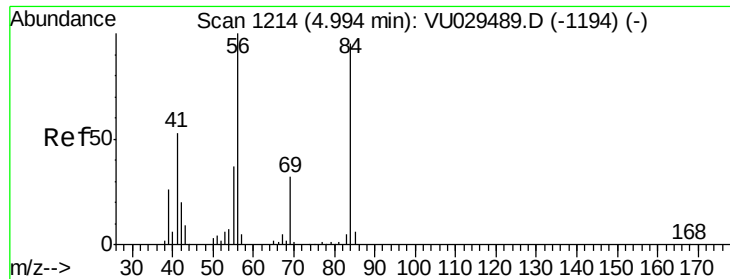
Tgt Ion: 83 Resp: 1087550
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 205.552 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Tgt Ion: 62 Resp: 886363
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8

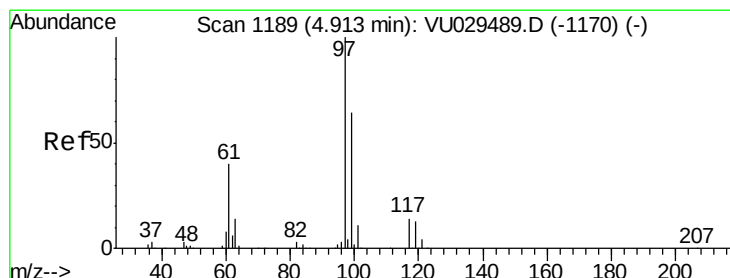
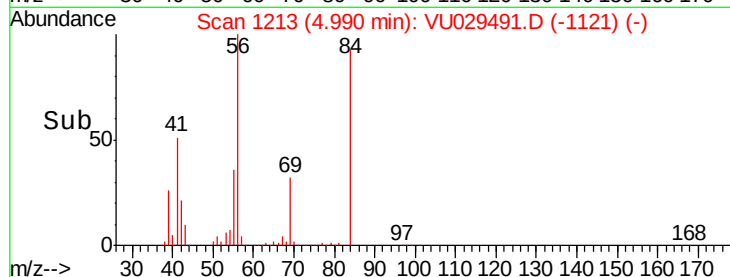
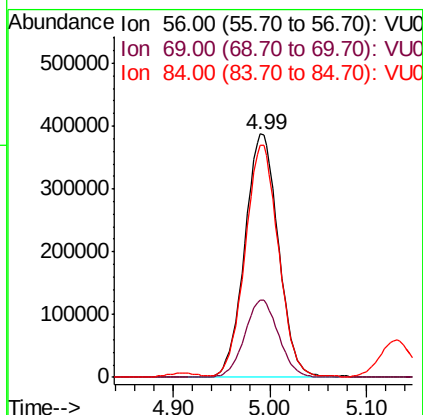
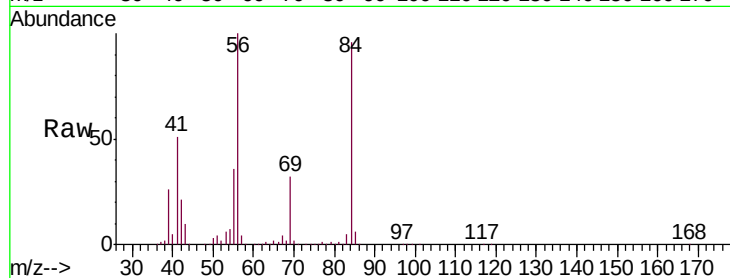




#29
Cyclohexane
Concen: 158.721 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

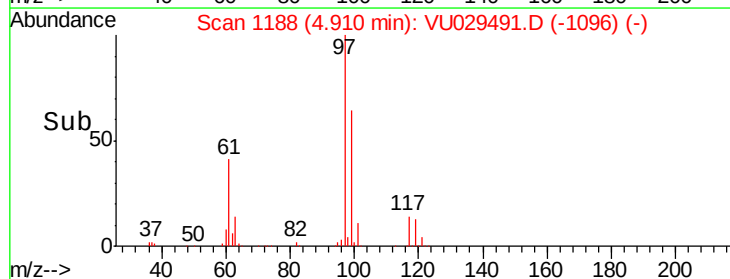
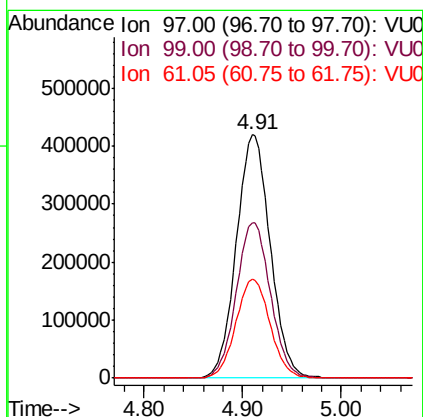
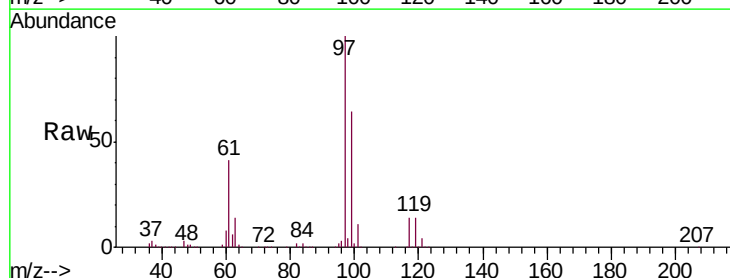
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

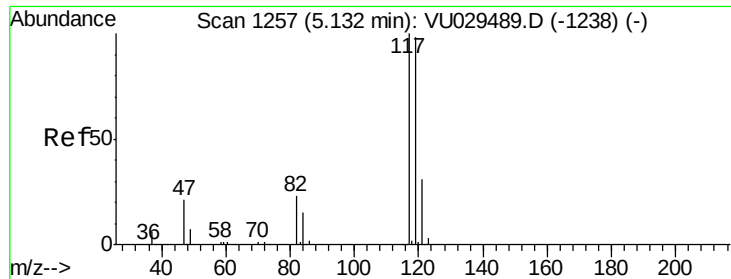
Tgt Ion: 56 Resp: 935965
Ion Ratio Lower Upper
56 100
69 32.0 25.7 38.5
84 95.0 77.1 115.7



#30
1,1,1-Trichloroethane
Concen: 201.573 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Tgt Ion: 97 Resp: 1000586
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 41.2 32.3 48.5

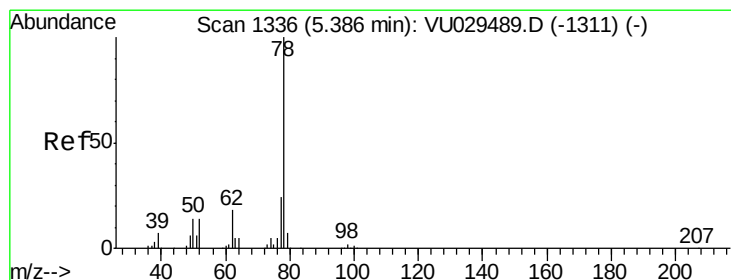
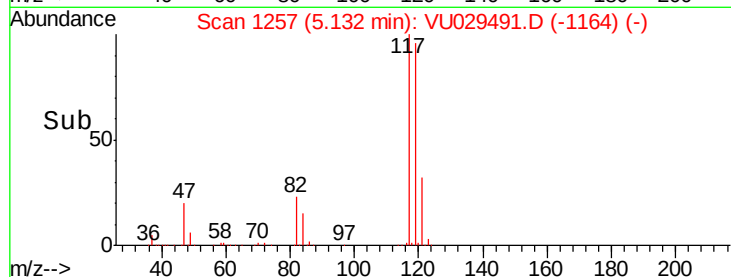
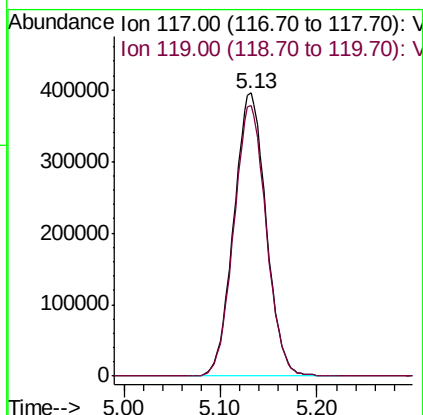
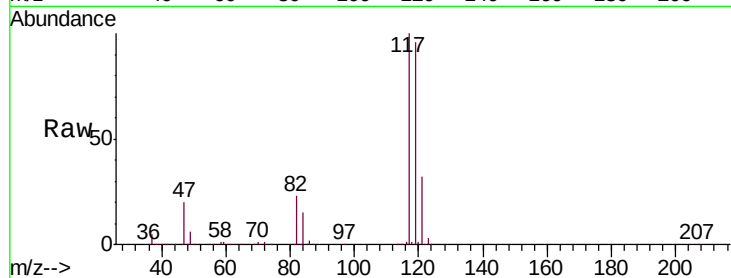




#31
Carbon tetrachloride
Concen: 223.899 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

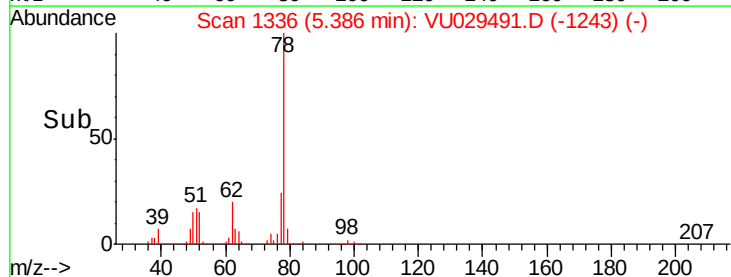
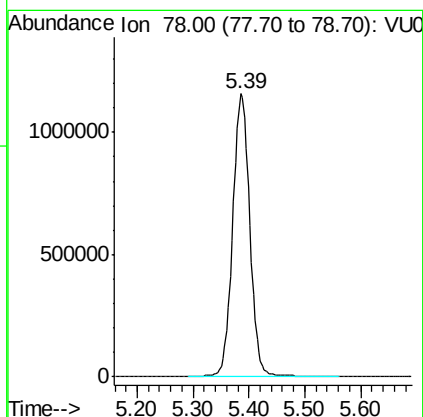
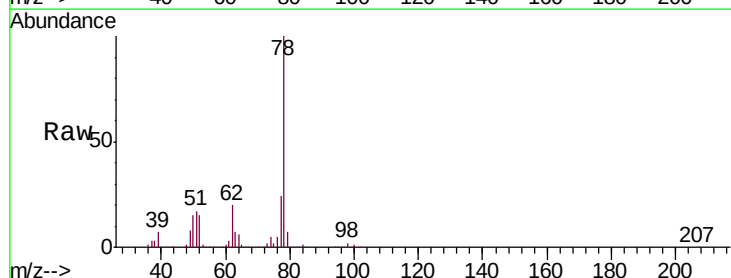
Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

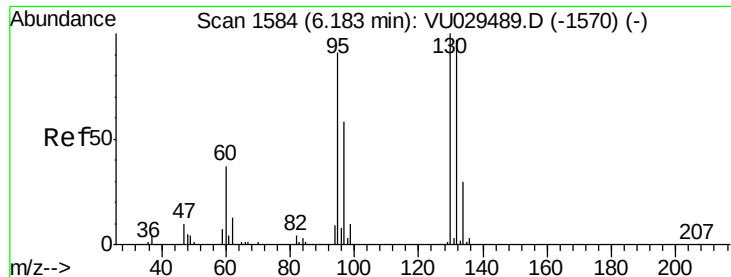
Tgt Ion:117 Resp: 917821
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.8



#33
Benzene
Concen: 172.879 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Tgt Ion: 78 Resp: 2481984

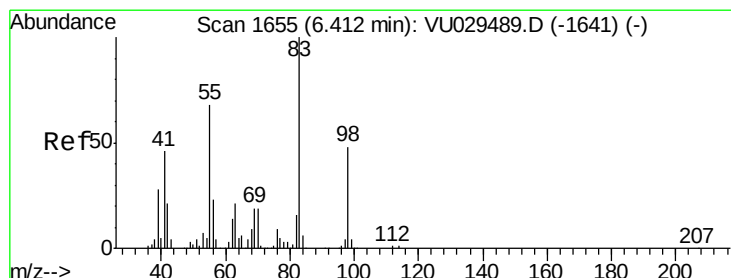
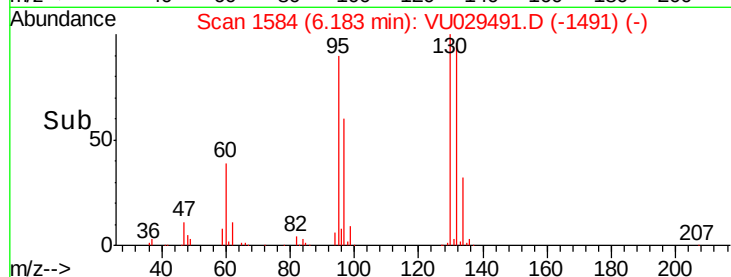
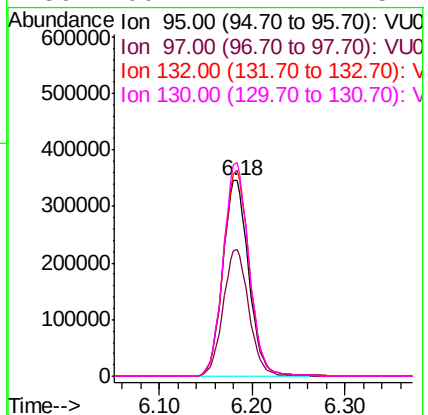
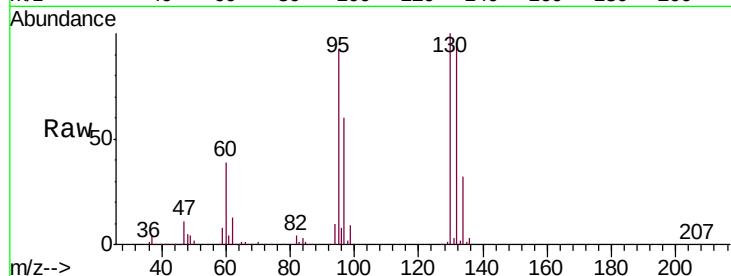




#34
 Trichloroethene
 Concen: 189.791 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

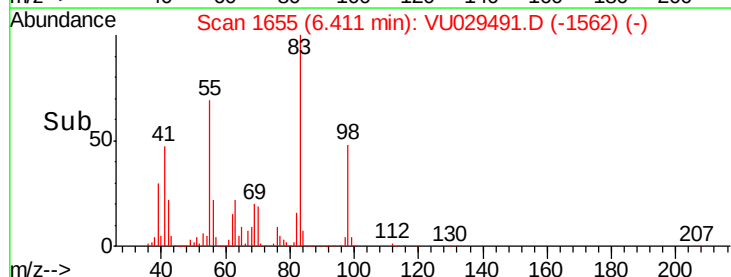
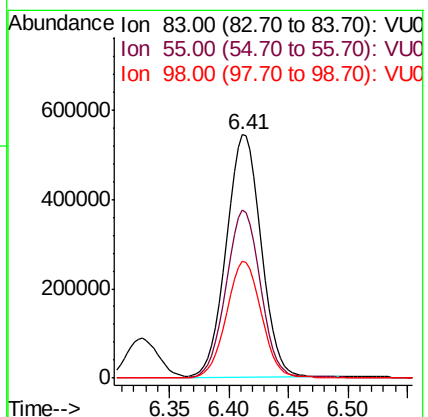
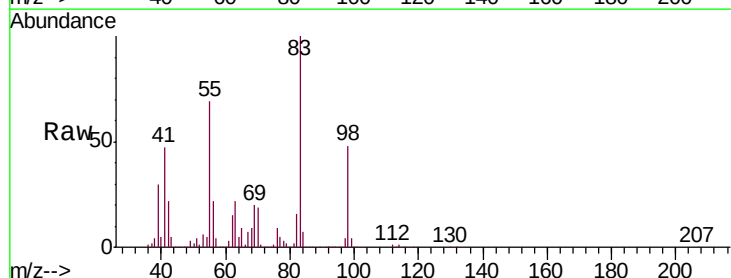
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

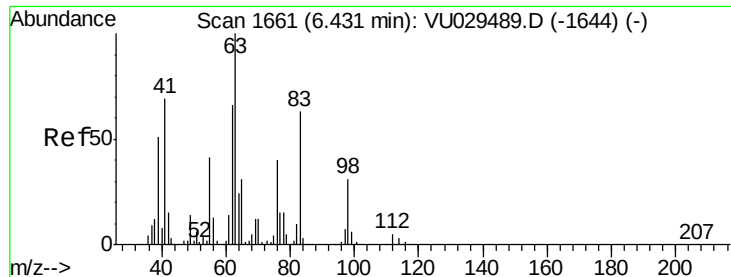
Tgt Ion: 95 Resp: 673155
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.6 82.8
 132 105.2 74.6 138.6
 130 109.1 77.2 143.4



#35
 Methylcyclohexane
 Concen: 188.211 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion: 83 Resp: 1099536
 Ion Ratio Lower Upper
 83 100
 55 68.8 55.2 82.8
 98 48.4 39.4 59.2





#37

1,2-Dichloropropane

Concen: 163.307 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

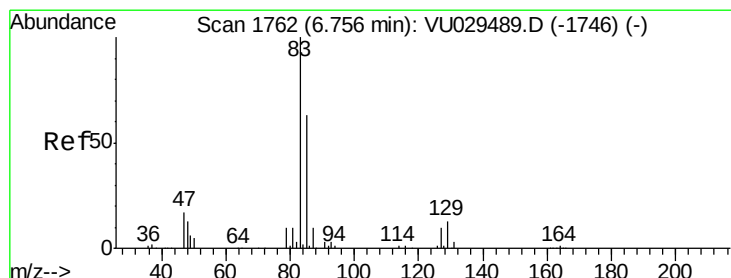
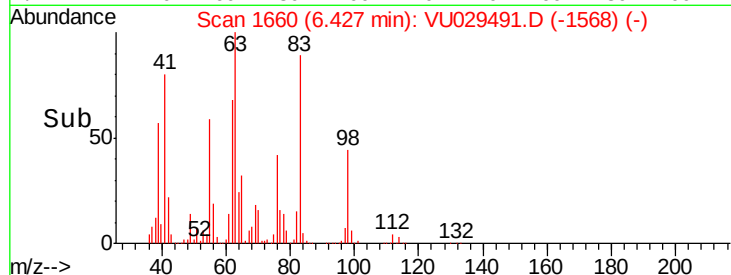
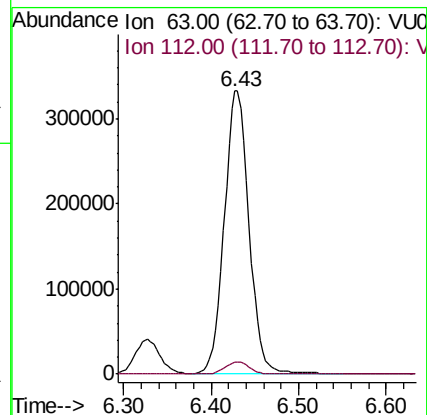
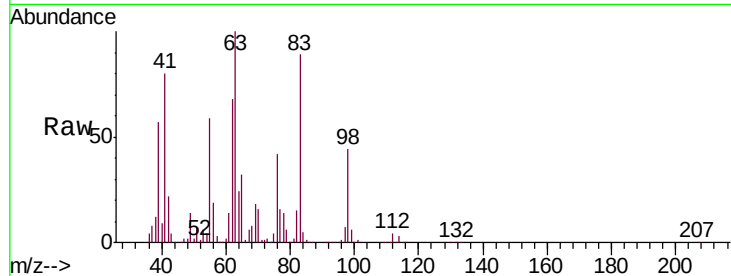
VSTD20045

Tgt Ion: 63 Resp: 649512

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#38

Bromodichloromethane

Concen: 194.592 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

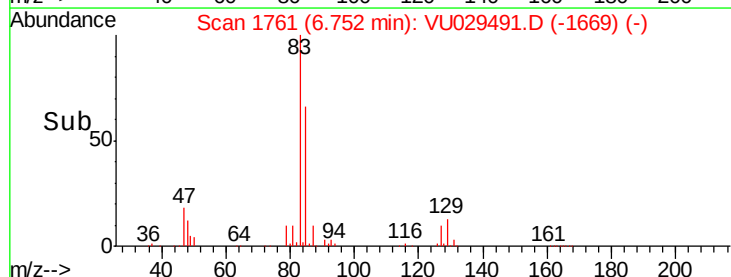
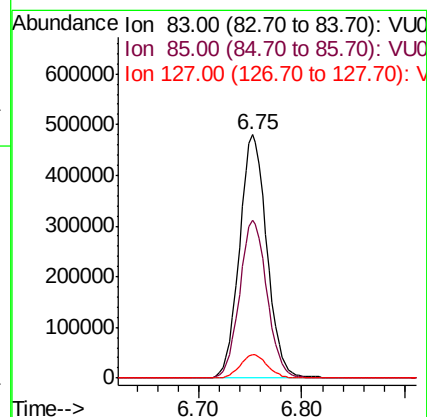
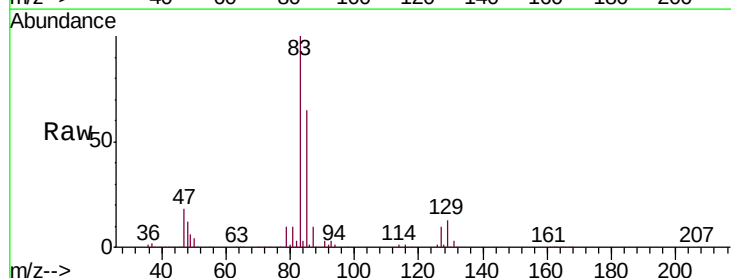
Tgt Ion: 83 Resp: 884058

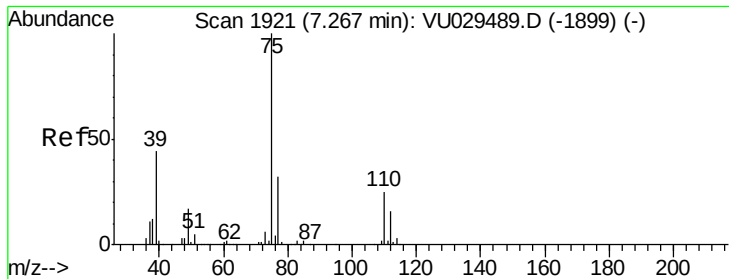
Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.0

127 9.7 8.3 12.5



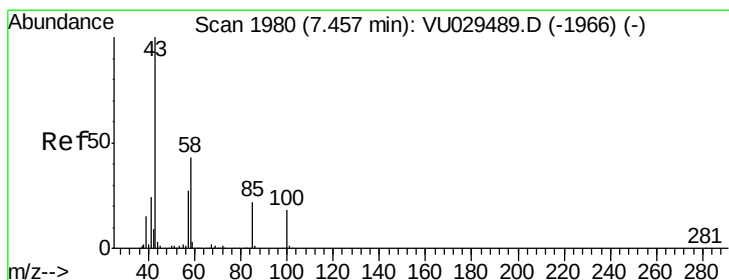
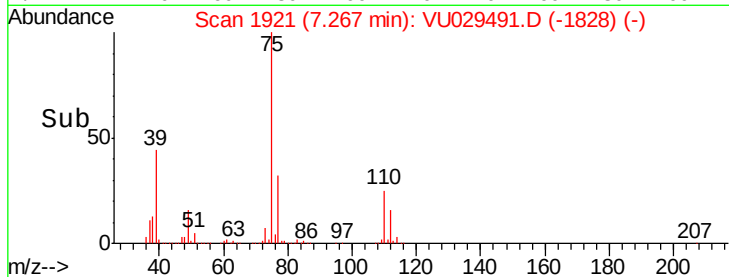
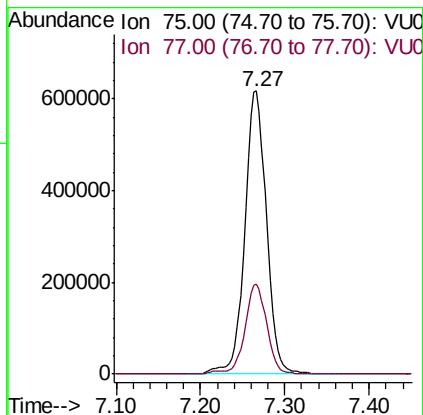
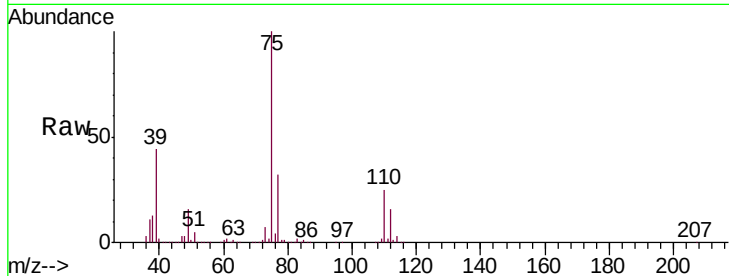


#39

cis-1,3-Dichloropropene
 Concen: 191.161 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

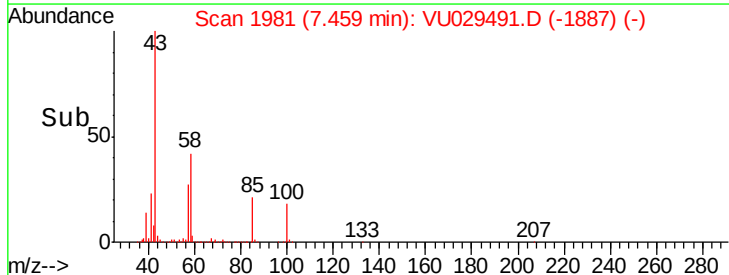
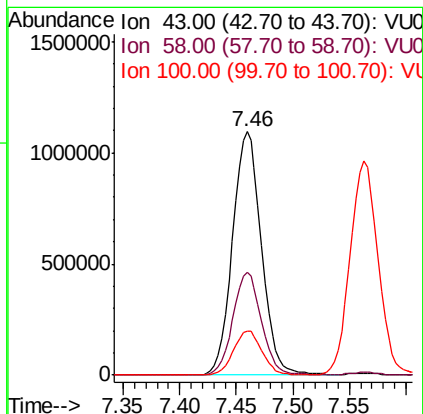
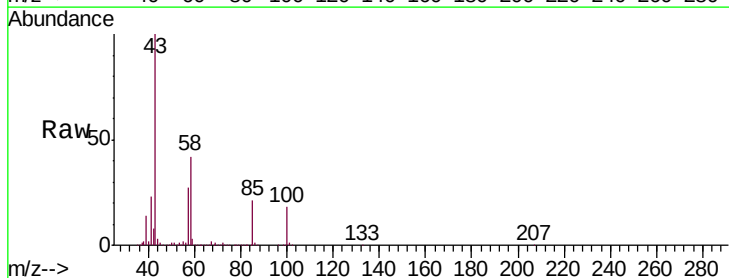
Tgt Ion: 75 Resp: 1110862
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

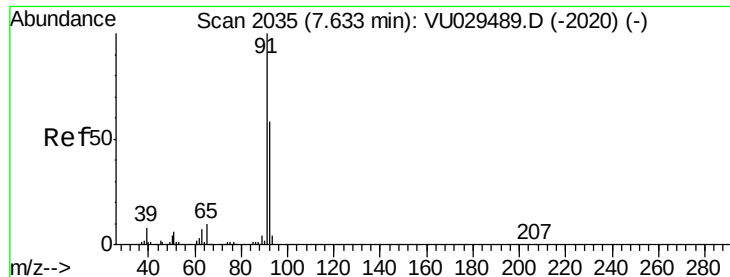


#40

4-Methyl-2-pentanone
 Concen: 362.033 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion: 43 Resp: 1944202
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.0 49.4
 100 18.1 14.5 21.7





#42

Toluene

Concen: 205.773 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

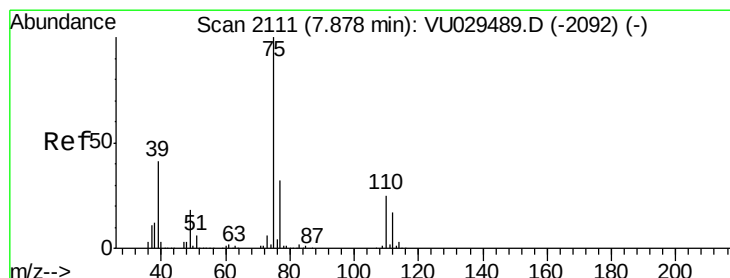
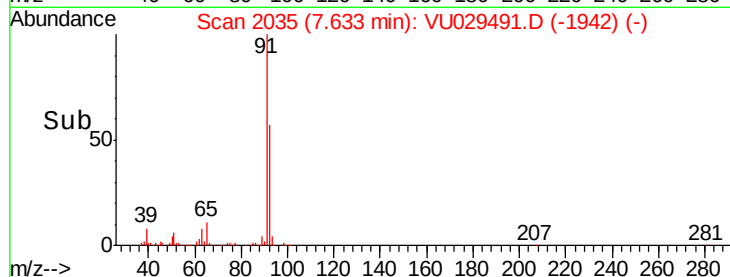
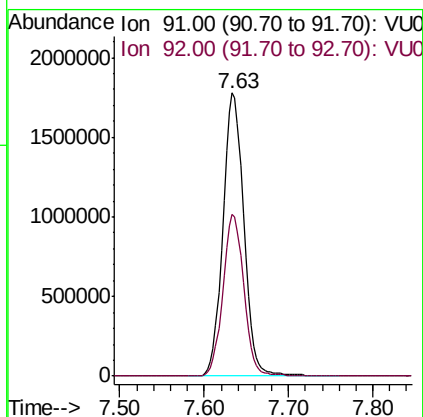
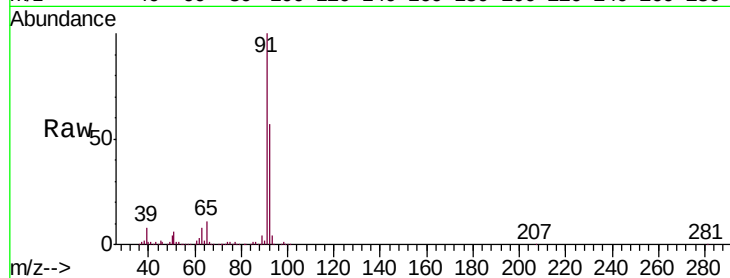
VSTD20045

Tgt Ion: 91 Resp: 3066858

Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 209.183 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029491.D

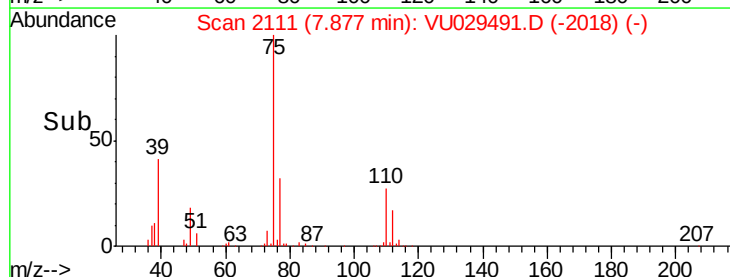
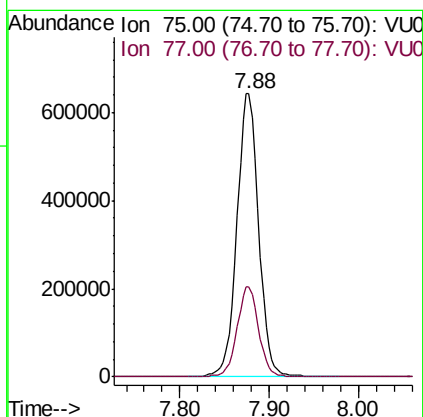
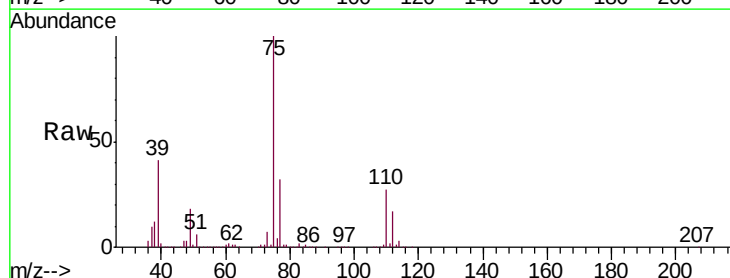
Acq: 15 Feb 2019 11:58

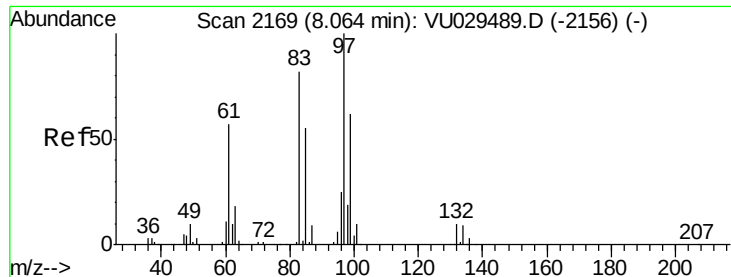
Tgt Ion: 75 Resp: 1086837

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

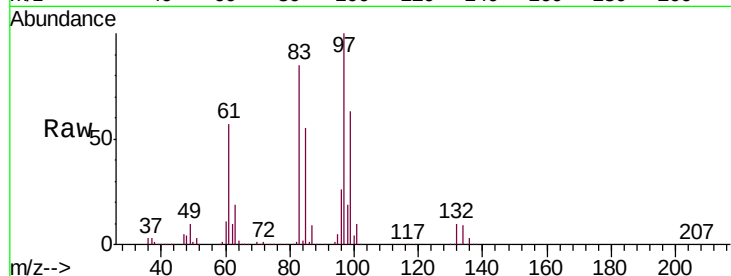




#45
 1,1,2-Trichloroethane
 Concen: 196.905 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

Tgt Ion:	97	Resp:	697066
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.8	81.3
83	85.0	57.7	107.1
85	55.1	38.5	71.5



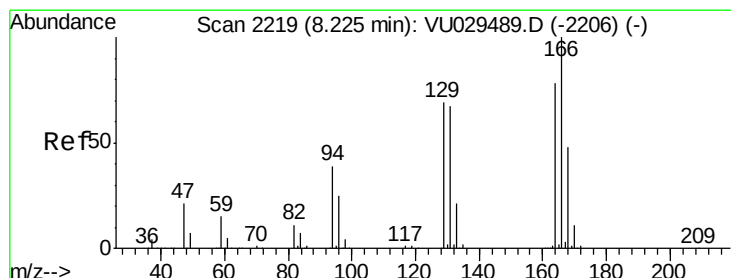
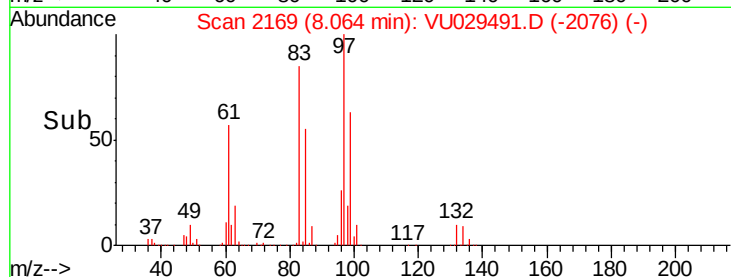
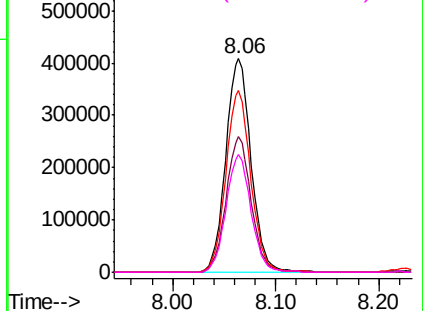
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

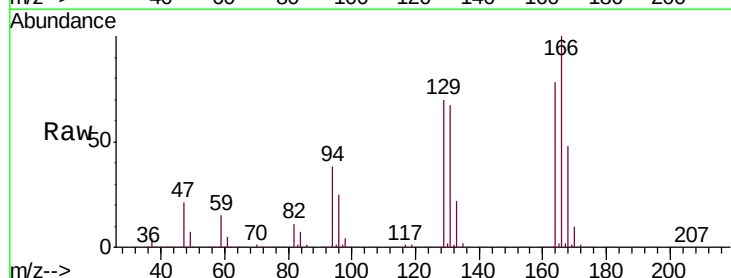
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 224.562 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion:	164	Resp:	643342
Ion	Ratio	Lower	Upper
164	100		
129	89.5	62.1	115.3
131	85.9	60.1	111.5
166	127.9	89.7	166.5



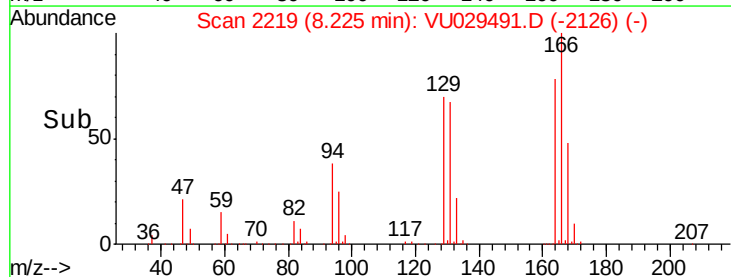
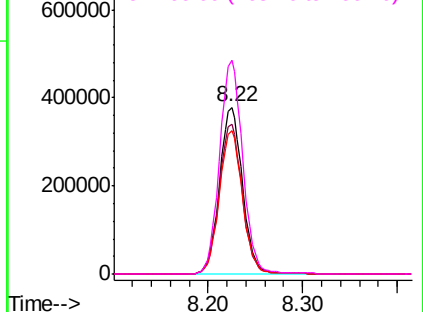
Abundance

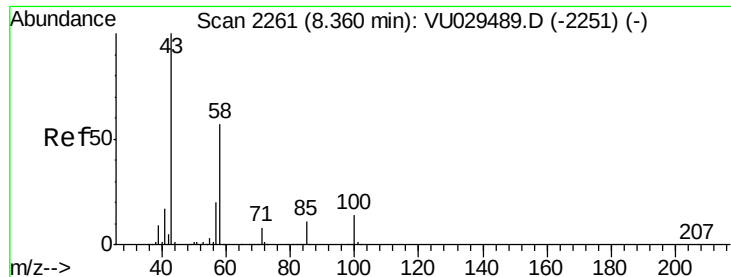
Ion 164.00 (163.70 to 164.70): V

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

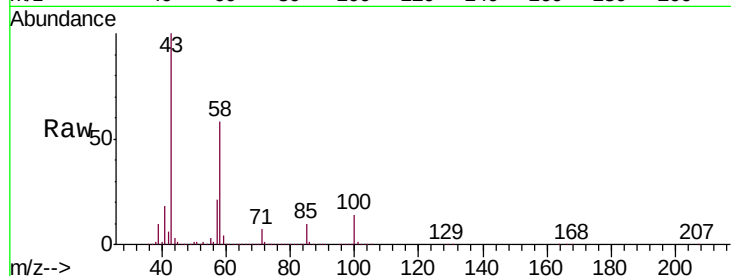




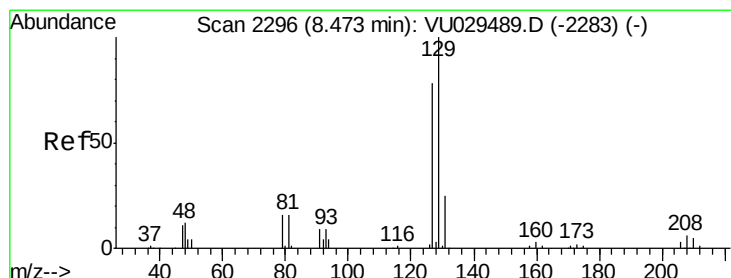
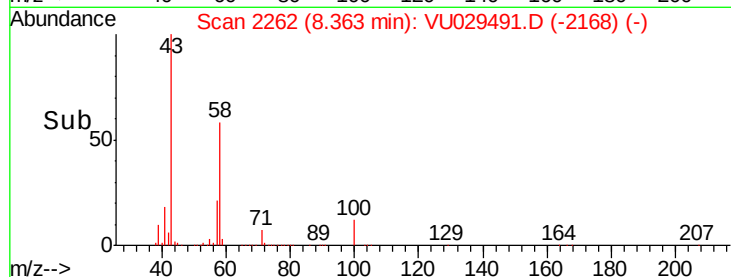
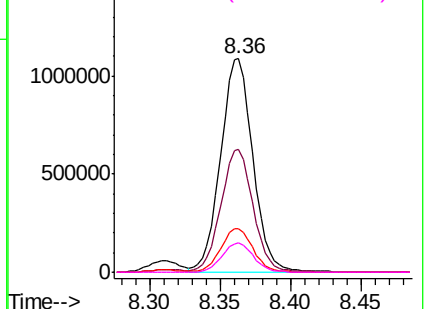
#48
2-Hexanone
Concen: 389.653 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD20045

Tgt Ion: 43 Resp: 1727847
Ion Ratio Lower Upper
43 100
58 57.7 46.4 69.6
57 20.6 15.7 23.5
100 13.7 10.9 16.3

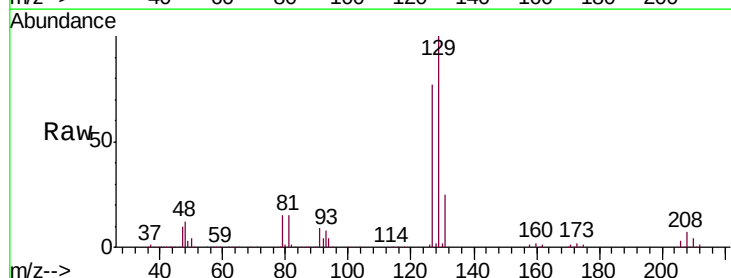


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

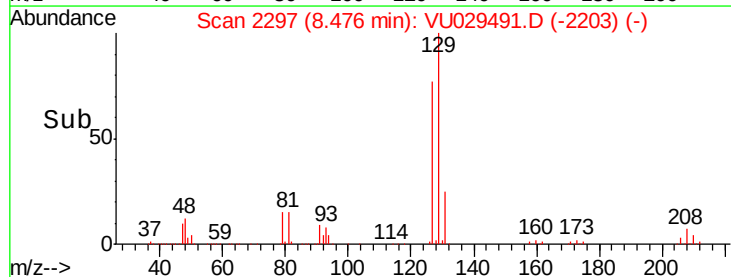
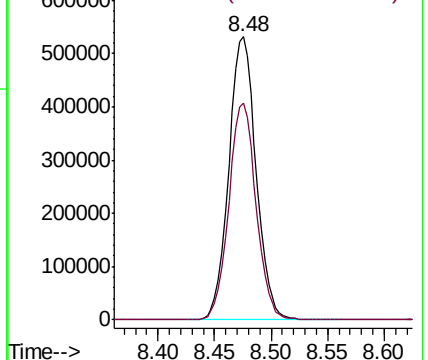


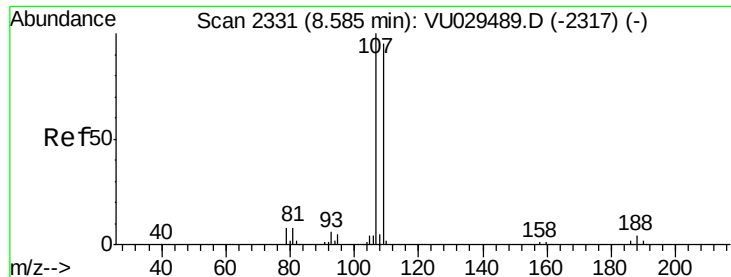
#49
Dibromochloromethane
Concen: 244.108 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029491.D
Acq: 15 Feb 2019 11:58

Tgt Ion: 129 Resp: 893245
Ion Ratio Lower Upper
129 100
127 76.7 54.4 101.0



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





#50

1,2-Dibromoethane

Concen: 211.154 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

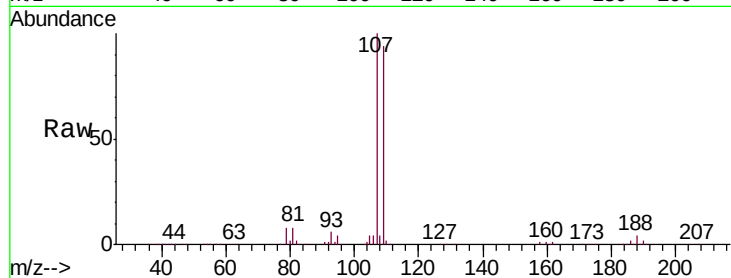
Tgt Ion:107 Resp: 784183

Ion Ratio Lower Upper

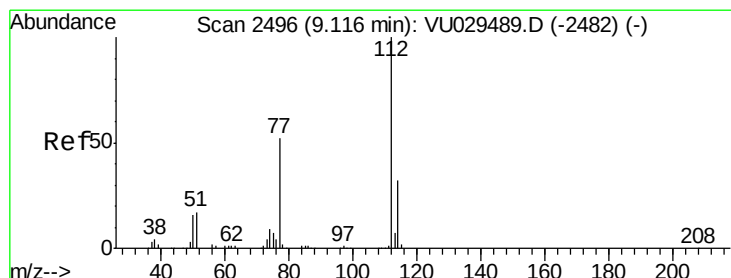
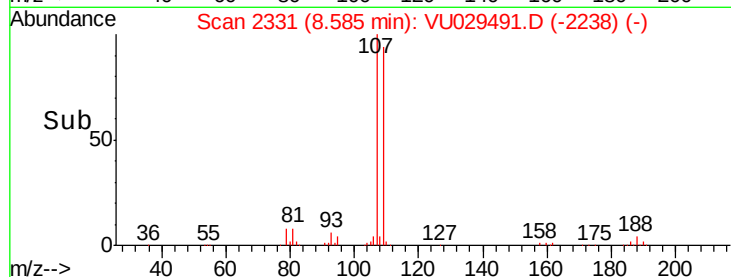
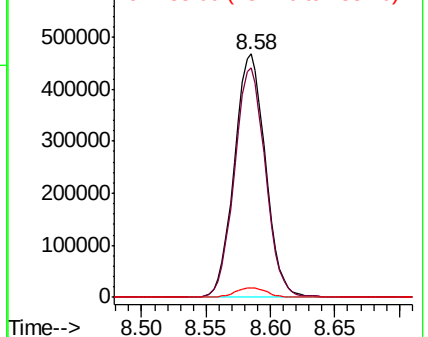
107 100

109 94.1 66.4 123.4

188 4.0 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 218.694 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

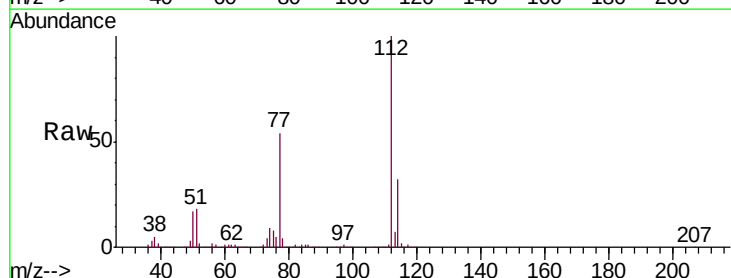
Tgt Ion:112 Resp: 2098473

Ion Ratio Lower Upper

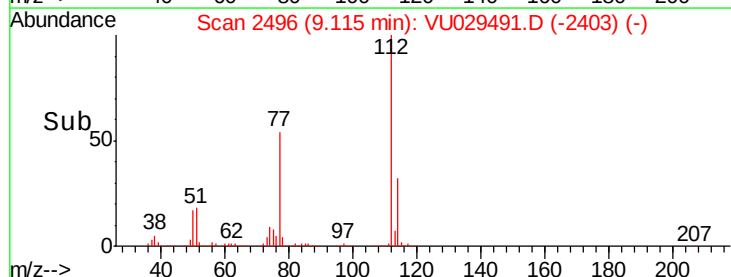
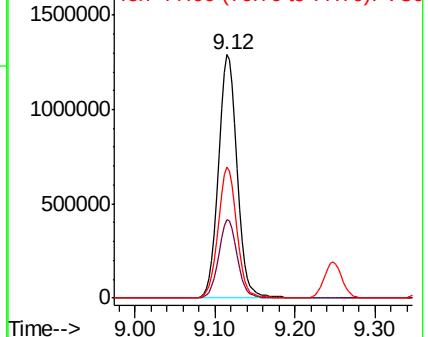
112 100

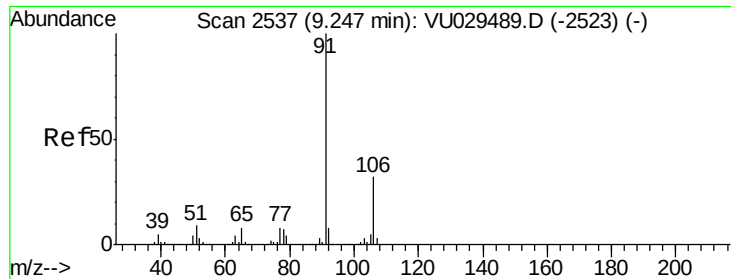
114 32.2 22.7 42.1

77 54.0 42.1 63.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 220.553 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

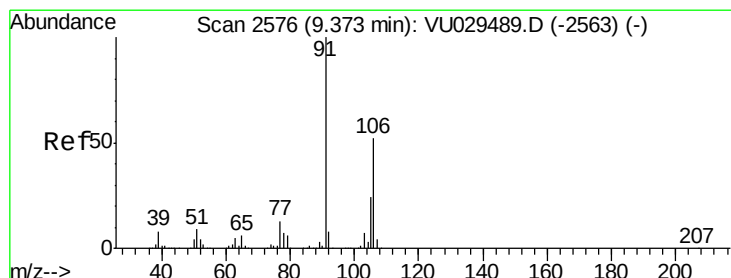
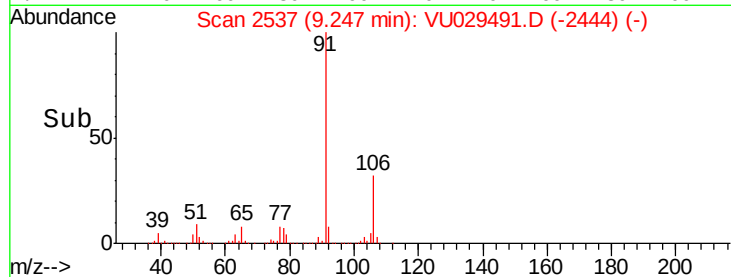
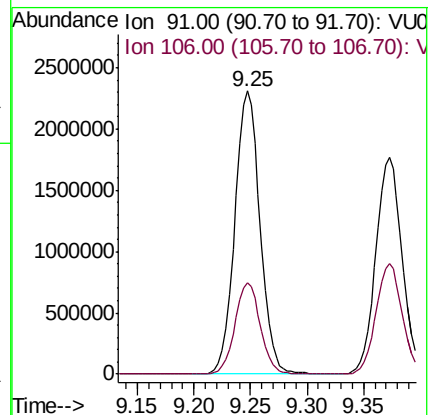
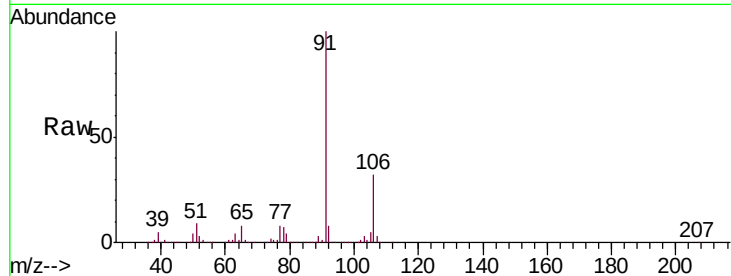
VSTD20045

Tgt Ion: 91 Resp: 3577800

Ion Ratio Lower Upper

91 100

106 32.3 22.7 42.1



#53

m,p-Xylene

Concen: 239.092 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029491.D

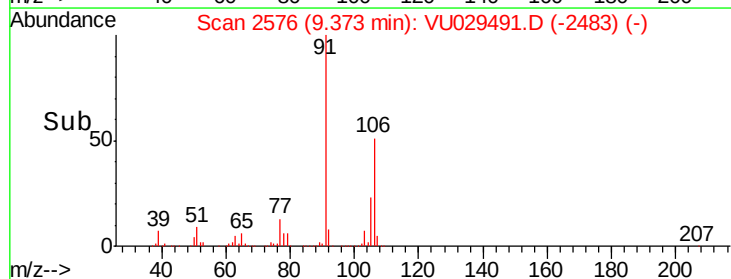
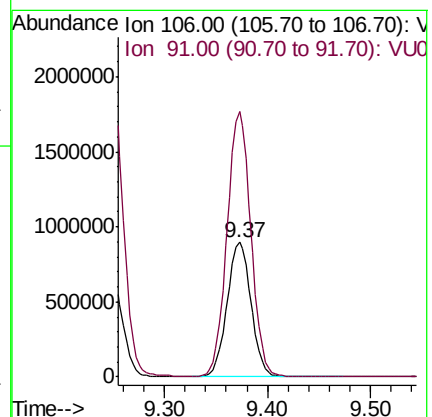
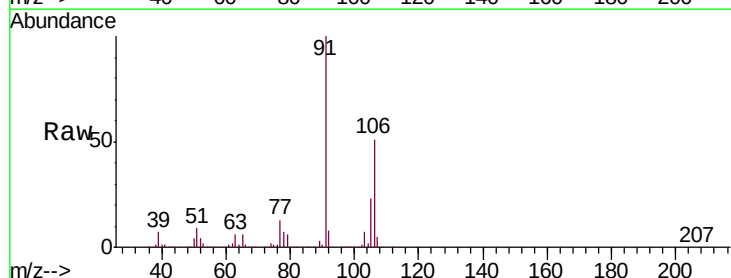
Acq: 15 Feb 2019 11:58

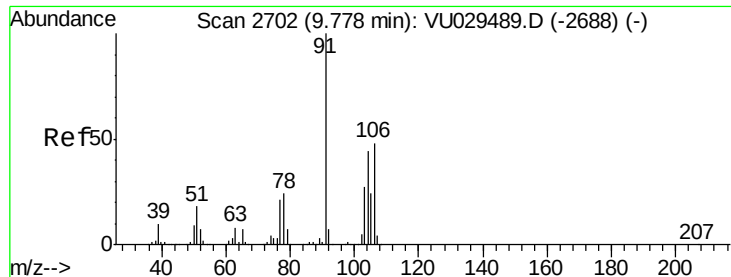
Tgt Ion: 106 Resp: 1448718

Ion Ratio Lower Upper

106 100

91 196.7 135.3 251.3





#54

o-xylene

Concen: 243.670 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

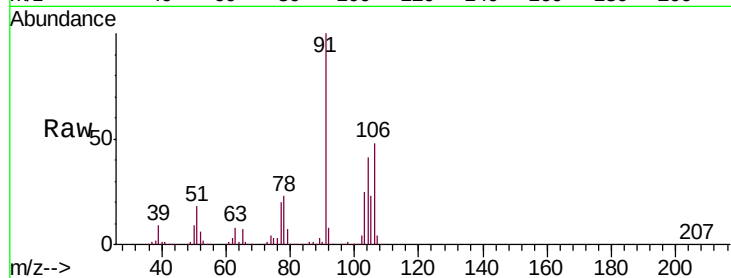
VSTD20045

Tgt Ion:106 Resp: 1484925

Ion Ratio Lower Upper

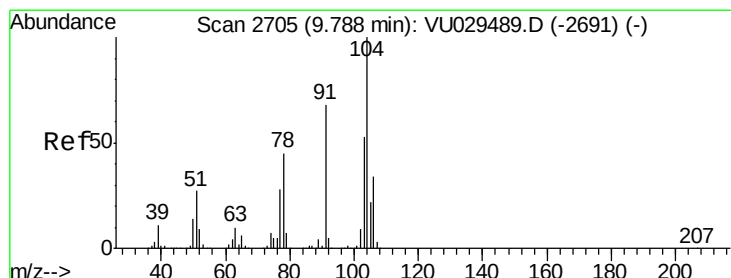
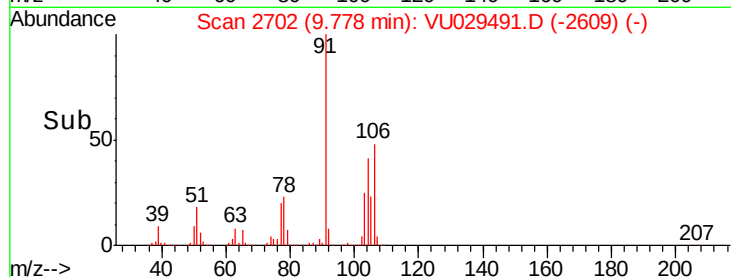
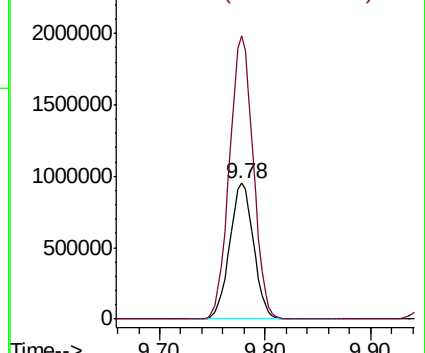
106 100

91 207.9 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 257.895 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029491.D

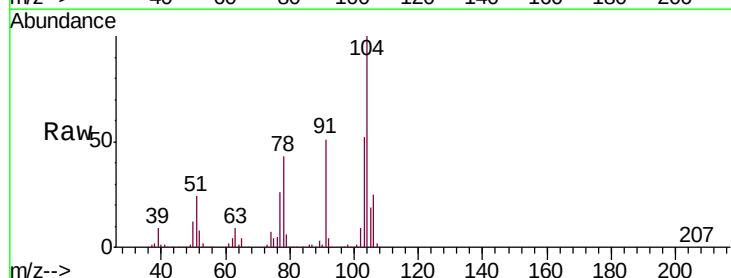
Acq: 15 Feb 2019 11:58

Tgt Ion:104 Resp: 2654366

Ion Ratio Lower Upper

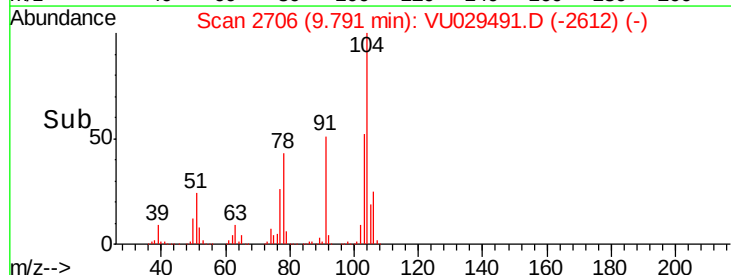
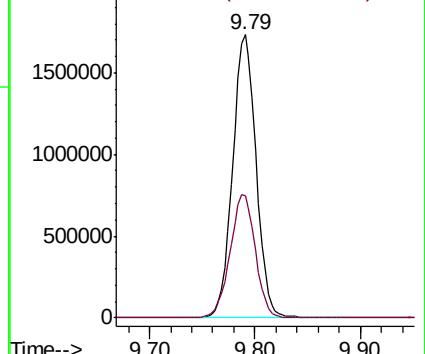
104 100

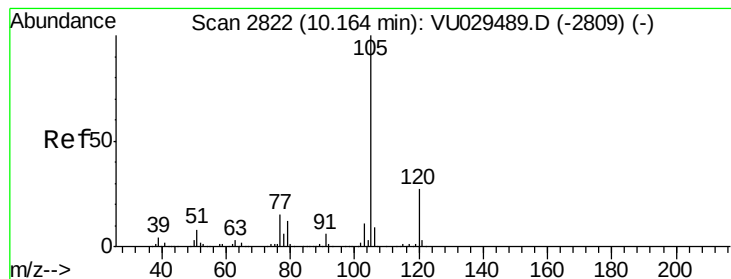
78 43.2 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 251.614 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

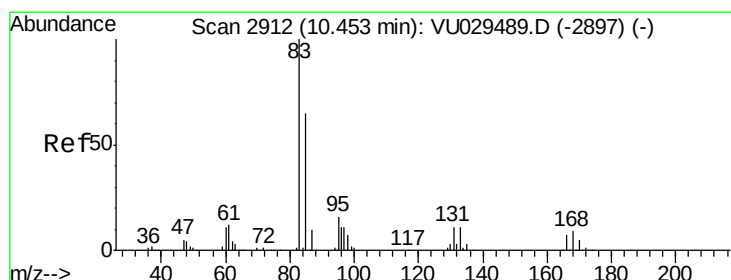
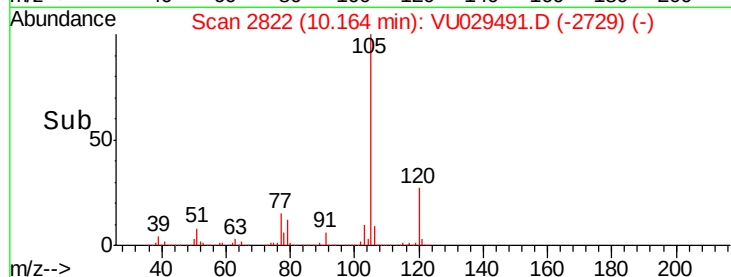
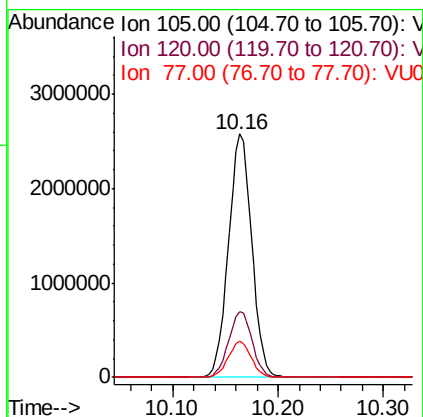
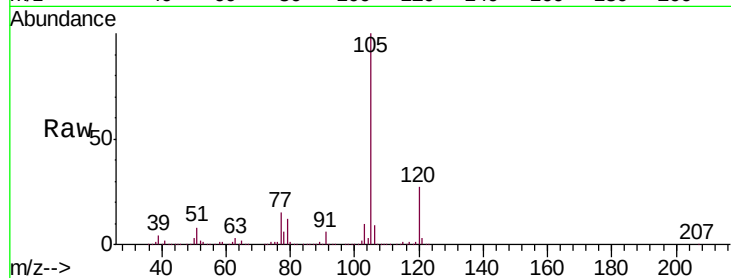
Tgt Ion:105 Resp: 3918497

Ion Ratio Lower Upper

105 100

120 27.3 21.9 32.9

77 14.6 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 203.968 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

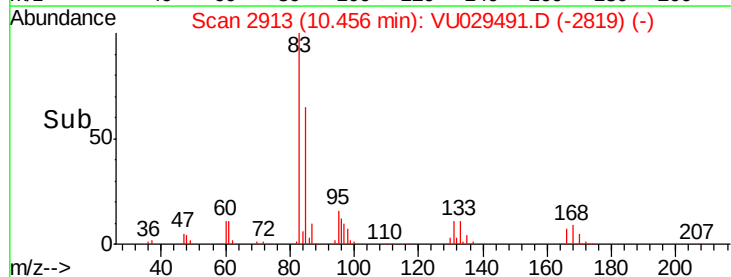
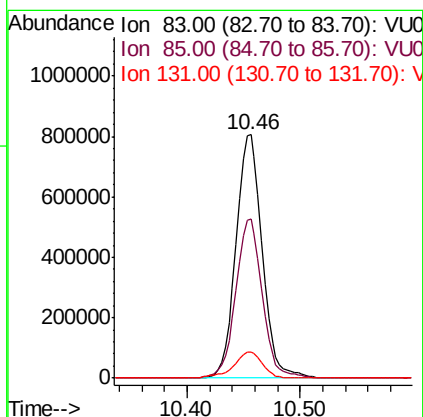
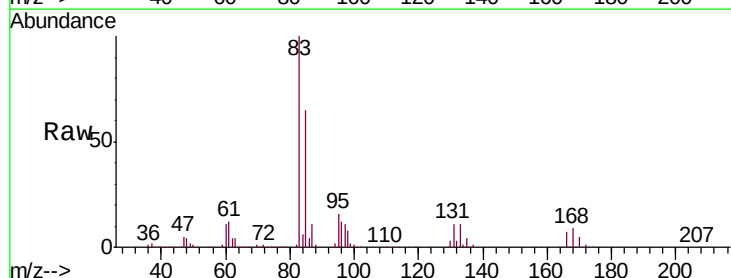
Tgt Ion: 83 Resp: 1301211

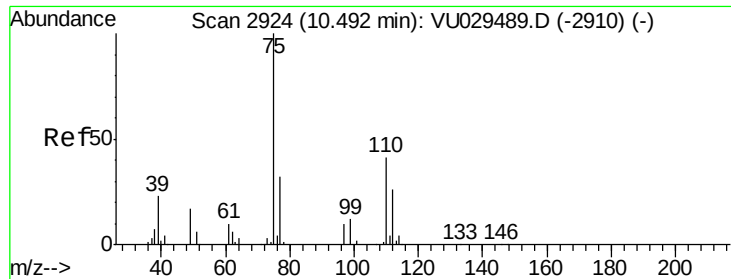
Ion Ratio Lower Upper

83 100

85 65.3 45.5 84.5

131 10.9 8.6 12.8

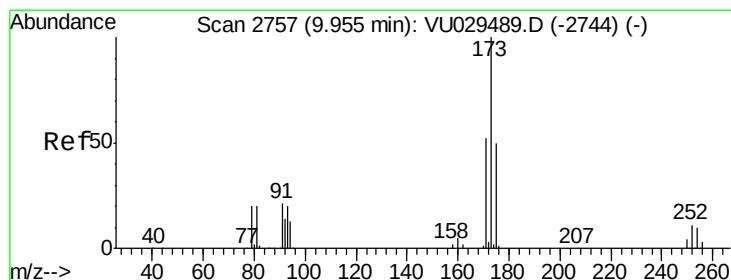
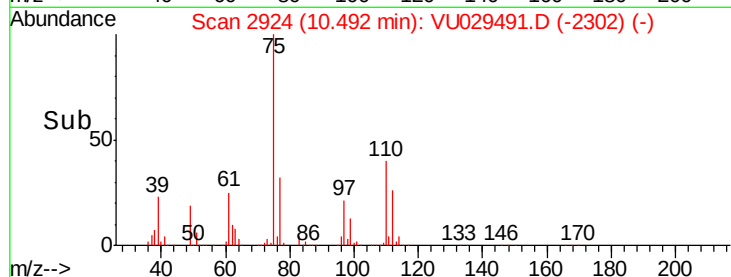
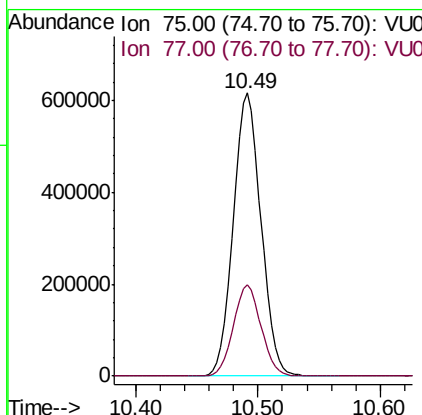
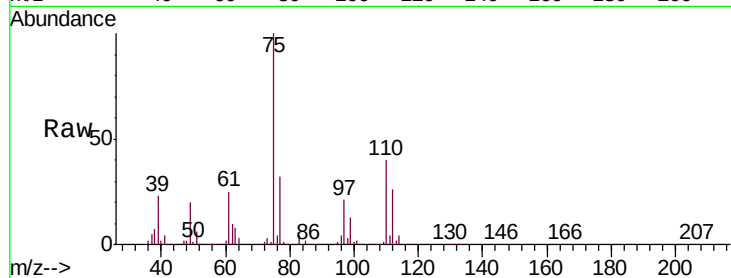




#59
 1,2,3-Trichloropropane
 Concen: 198.021 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

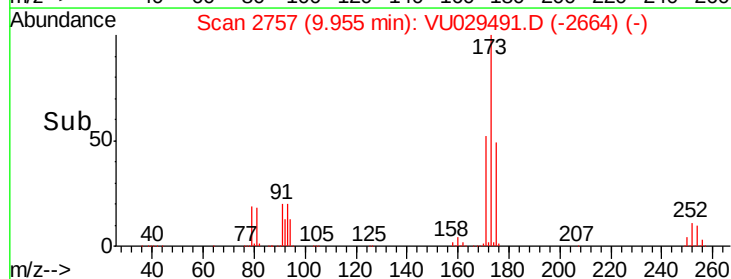
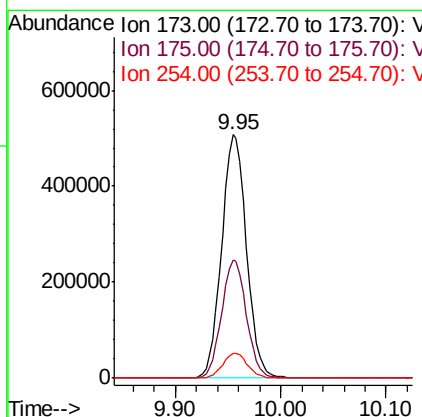
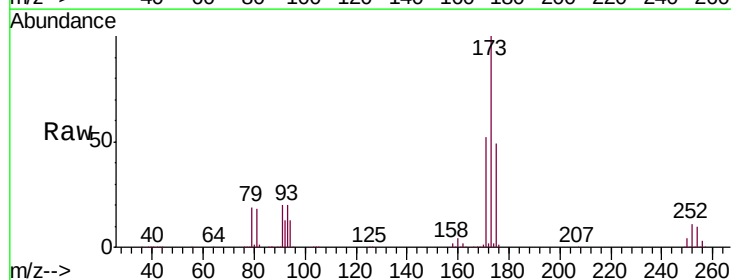
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

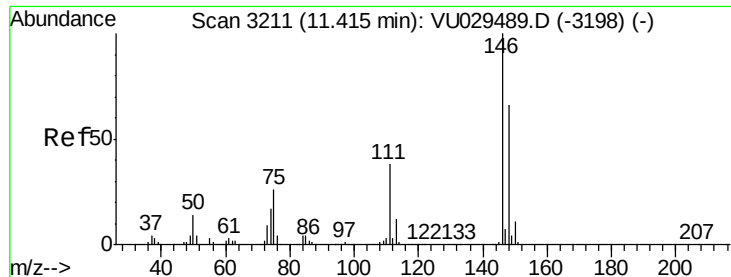
Tgt Ion: 75 Resp: 970211
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 236.811 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion: 173 Resp: 824135
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.4
 254 10.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 210.685 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

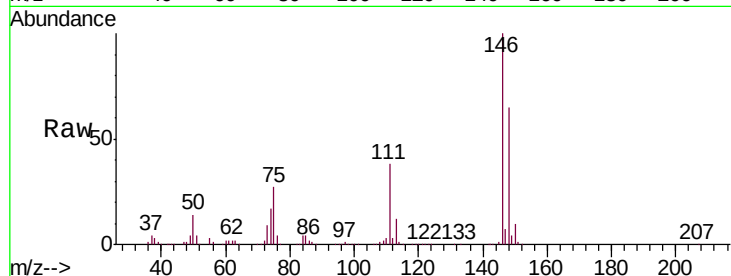
Tgt Ion:146 Resp: 1858392

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.5

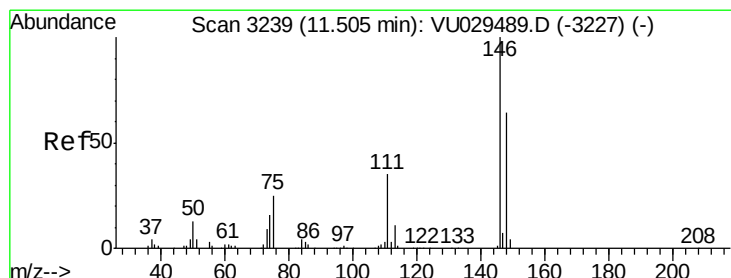
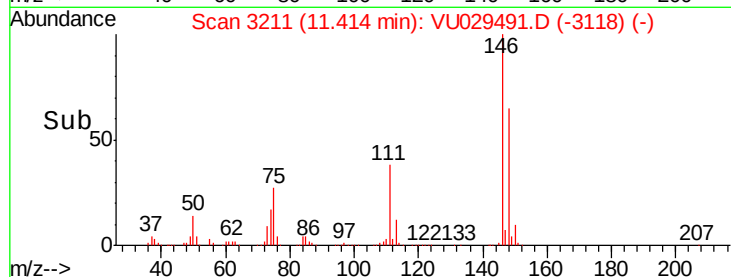
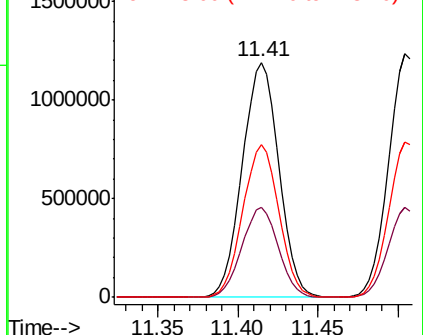
148 65.0 45.9 85.3



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: 207.061 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

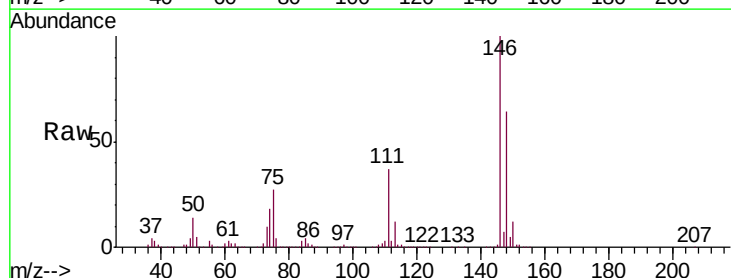
Tgt Ion:146 Resp: 1876662

Ion Ratio Lower Upper

146 100

111 36.8 25.1 46.5

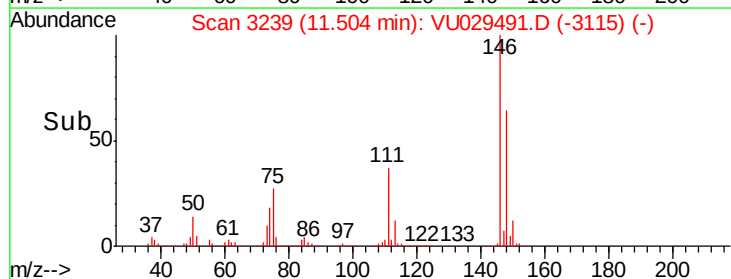
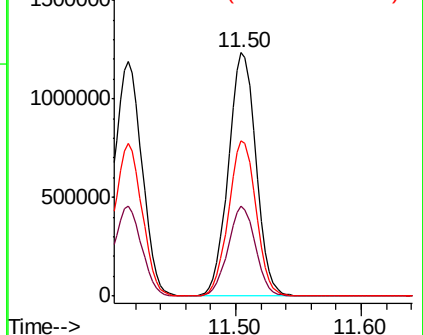
148 63.8 45.0 83.6

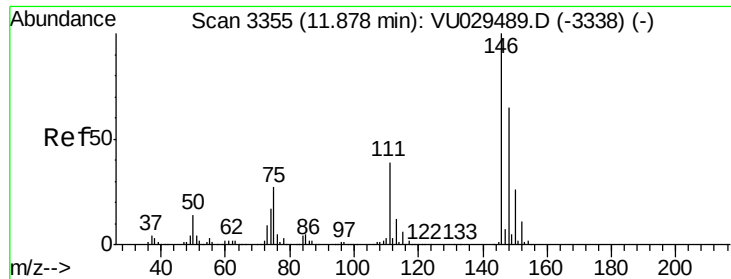


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

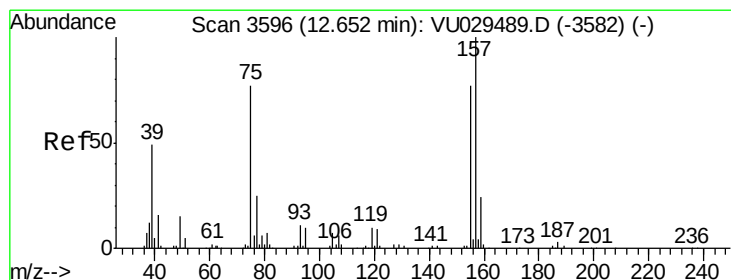
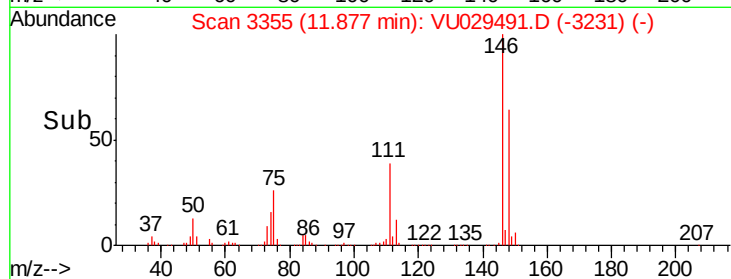
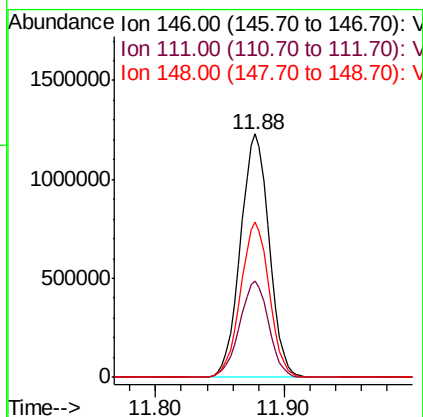
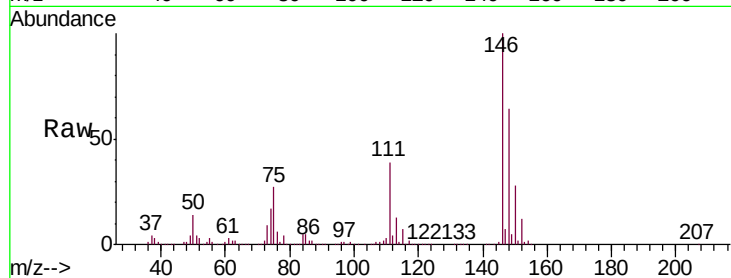




#65
 1,2-Dichlorobenzene
 Concen: 207.707 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

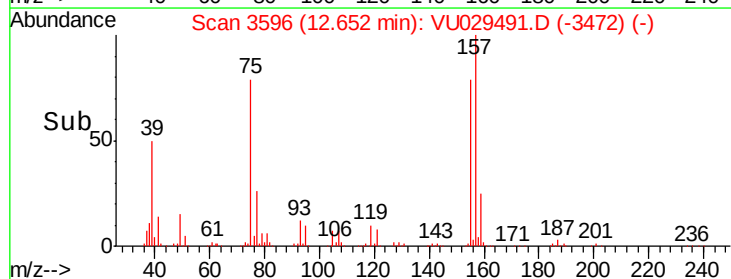
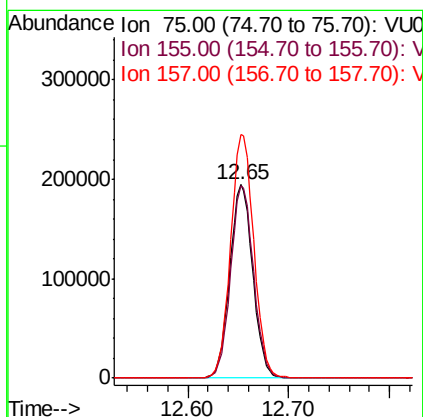
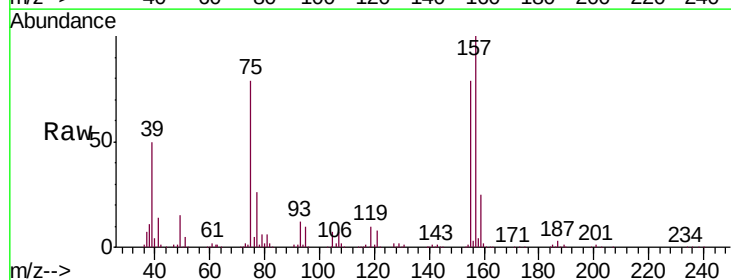
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

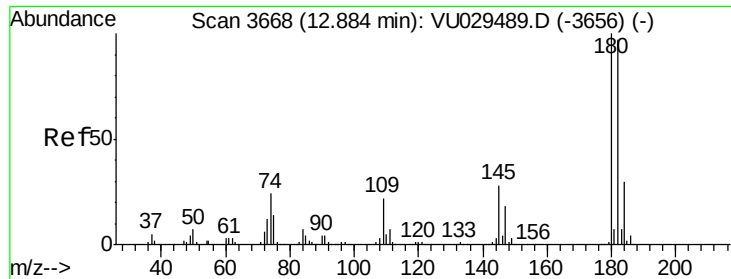
Tgt Ion:146 Resp: 1901298
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.2 46.8
 148 63.7 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 198.707 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion: 75 Resp: 310840
 Ion Ratio Lower Upper
 75 100
 155 99.3 79.5 119.3
 157 126.0 103.4 155.0

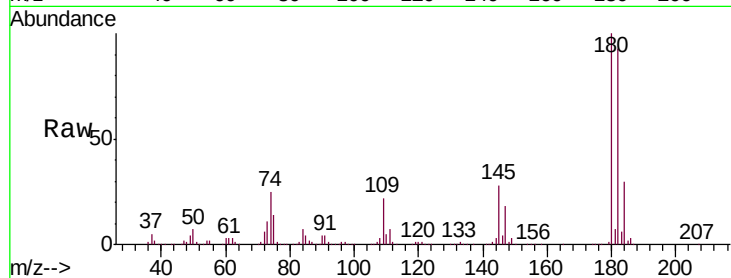




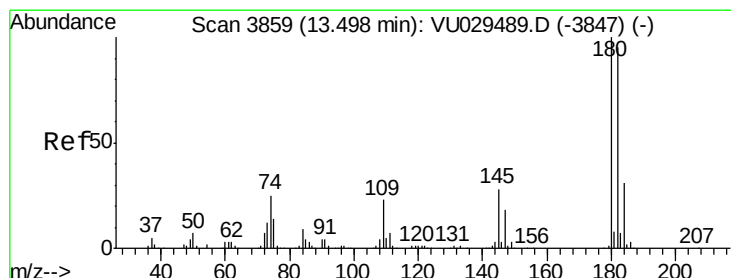
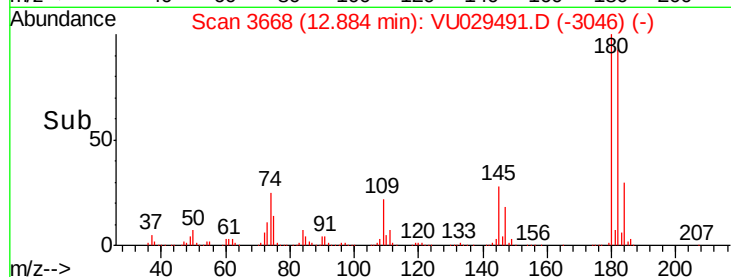
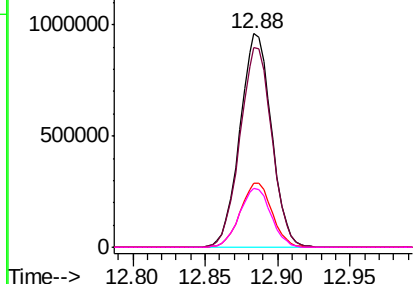
#67
 1,3,5-Trichlorobenzene
 Concen: 222.032 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20045

Tgt Ion:180 Resp: 1448466
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.9 116.9
 184 30.3 24.5 36.7
 145 27.9 22.4 33.6

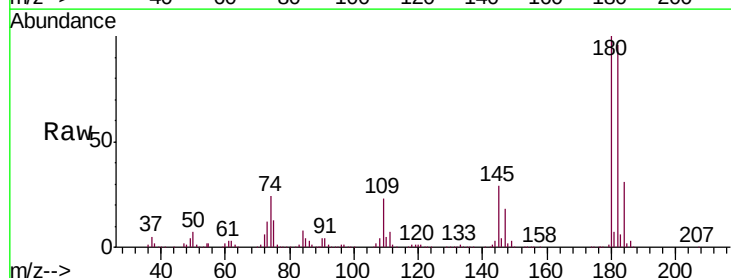


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

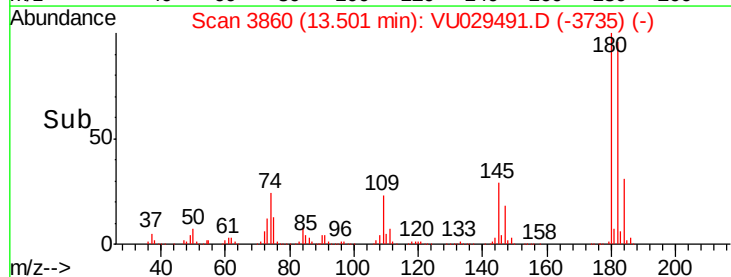
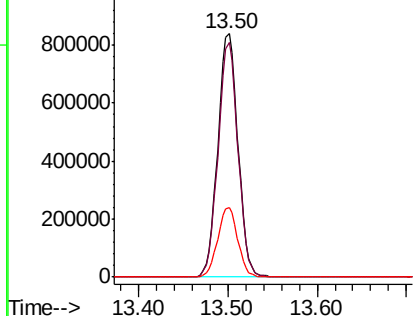


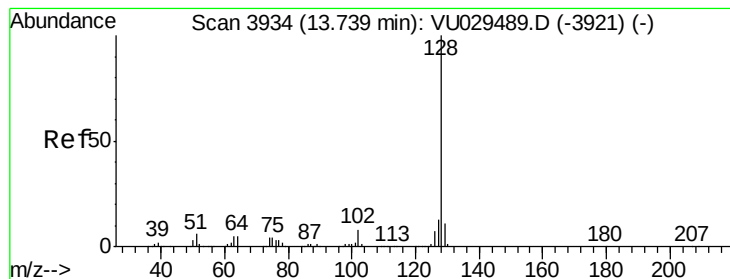
#68
 1,2,4-trichlorobenzene
 Concen: 238.138 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029491.D
 Acq: 15 Feb 2019 11:58

Tgt Ion:180 Resp: 1313873
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.2
 145 28.4 22.7 34.1



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





#69

Naphthalene

Concen: 223.465 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD20045

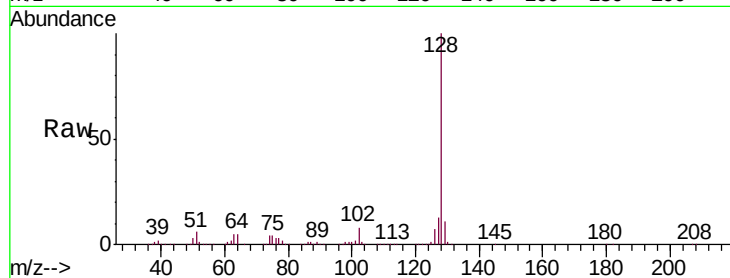
Tgt Ion:128 Resp: 4201713

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

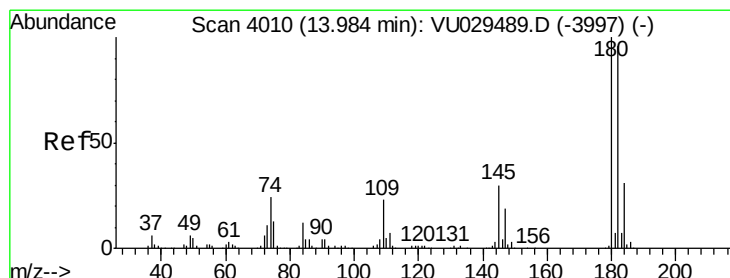
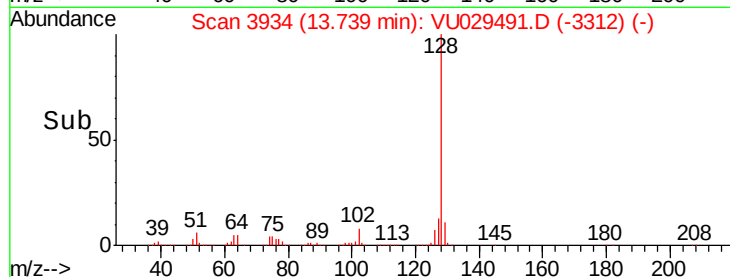
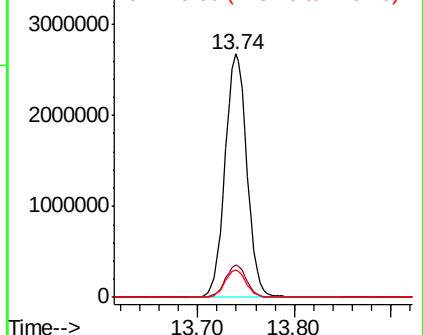
129 11.0 8.5 12.7



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: 225.308 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029491.D

Acq: 15 Feb 2019 11:58

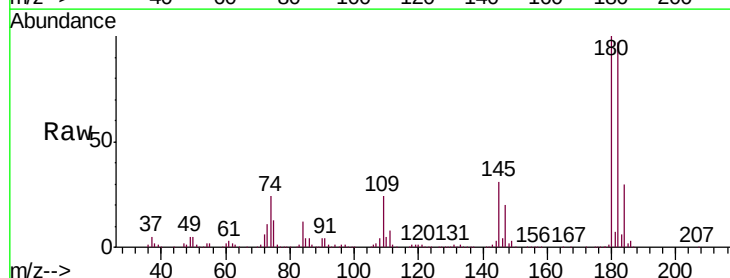
Tgt Ion:180 Resp: 1331469

Ion Ratio Lower Upper

180 100

182 96.4 76.8 115.2

145 30.8 24.4 36.6



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

