

Data File : VU037411.D
Acq On : 28 Mar 2020 10:50
Operator : JC/MD
Sample : VSTD00102
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Mar 28 12:30:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 28 11:41:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	123102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	119491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	62439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9199	1.13	ug/L	0.00
7) Chloroethane-d5	1.93	69	6996	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	18141	1.13	ug/L	0.00
20) 2-Butanone-d5	4.68	46	23801	12.29	ug/L	0.00
24) Chloroform-d	5.11	84	18080	1.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	10060	1.04	ug/L	0.00
32) Benzene-d6	5.76	84	34083	1.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	11685	1.28	ug/L	0.00
41) Toluene-d8	7.92	98	32612	1.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5496	1.32	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	21333	13.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	9495	1.24	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	12260	1.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	11180	0.818 ug/L	100
3) Chloromethane	1.53	50	9917	0.720 ug/L	95
5) Vinyl chloride	1.61	62	10038	0.823 ug/L	98
6) Bromomethane	1.87	94	5729	1.171 ug/L	97
8) Chloroethane	1.95	64	6370	0.942 ug/L	94
9) Trichlorofluoromethane	2.16	101	13400	0.723 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	8136	0.947 ug/L	96
12) 1,1-Dichloroethene	2.60	96	8822	1.109 ug/L	88
13) Acetone	2.67	43	14874	10.940 ug/L	93
14) Carbon disulfide	2.82	76	29049	1.059 ug/L	99
15) Methyl Acetate	2.99	43	3656	1.019 ug/L	# 71
16) Methylene chloride	3.08	84	9515	1.083 ug/L	94
17) Methyl tert-butyl Ether	3.41	73	22343	1.062 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	8839	1.045 ug/L	98
19) 1,1-Dichloroethane	3.91	63	16174	0.996 ug/L	94
21) 2-Butanone	4.76	43	25240	10.961 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	10356	1.123 ug/L	# 95
23) Bromochloromethane	5.02	128	4123	0.974 ug/L	95
25) Chloroform	5.12	83	17029	0.942 ug/L	97
27) 1,2-Dichloroethane	5.83	62	11345	0.922 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	15700	0.983 ug/L	97
30) Cyclohexane	5.42	56	16785	1.237 ug/L	94
31) Carbon tetrachloride	5.56	117	13246	0.956 ug/L	100
33) Benzene	5.81	78	37431	1.096 ug/L	100
34) Trichloroethene	6.57	95	10710	1.141 ug/L	93
35) Methylcyclohexane	6.79	83	16772	1.206 ug/L	98
37) 1,2-Dichloropropane	6.82	63	8919	0.997 ug/L	98
38) Bromodichloromethane	7.14	83	12953	1.055 ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	15169	1.144 ug/L	90
40) 4-Methyl-2-pentanone	7.82	43	62401	11.124 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	38960	1.054	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	13607	1.123	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	6942	1.079	ug/L	93
47) Tetrachloroethene	8.57	164	7239	0.954	ug/L	93
48) 2-Hexanone	8.71	43	43791	10.956	ug/L	96
49) Dibromochloromethane	8.83	129	8551	1.016	ug/L	92
50) 1,2-Dibromoethane	8.95	107	6797	1.076	ug/L	92
51) Chlorobenzene	9.47	112	27342	1.142	ug/L	96
52) Ethylbenzene	9.59	91	45088	1.093	ug/L	99
53) m,p-Xylene	9.71	106	17025	1.131	ug/L	97
54) o-Xylene	10.12	106	16908	1.150	ug/L	90
55) Styrene	10.13	104	27915	1.139	ug/L	97
56) Isopropylbenzene	10.50	105	44657	1.101	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	9097	1.125	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	6490	1.082	ug/L	100
61) Bromoform	10.31	173	5135	0.980	ug/L #	95
62) 1,3-Dichlorobenzene	11.76	146	20992	1.057	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	22780	1.135	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	20767	1.088	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	1727	1.177	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	15845	1.077	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	15588	1.447	ug/L	99
69) Naphthalene	14.11	128	30389	2.055	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	14360	1.410	ug/L	94

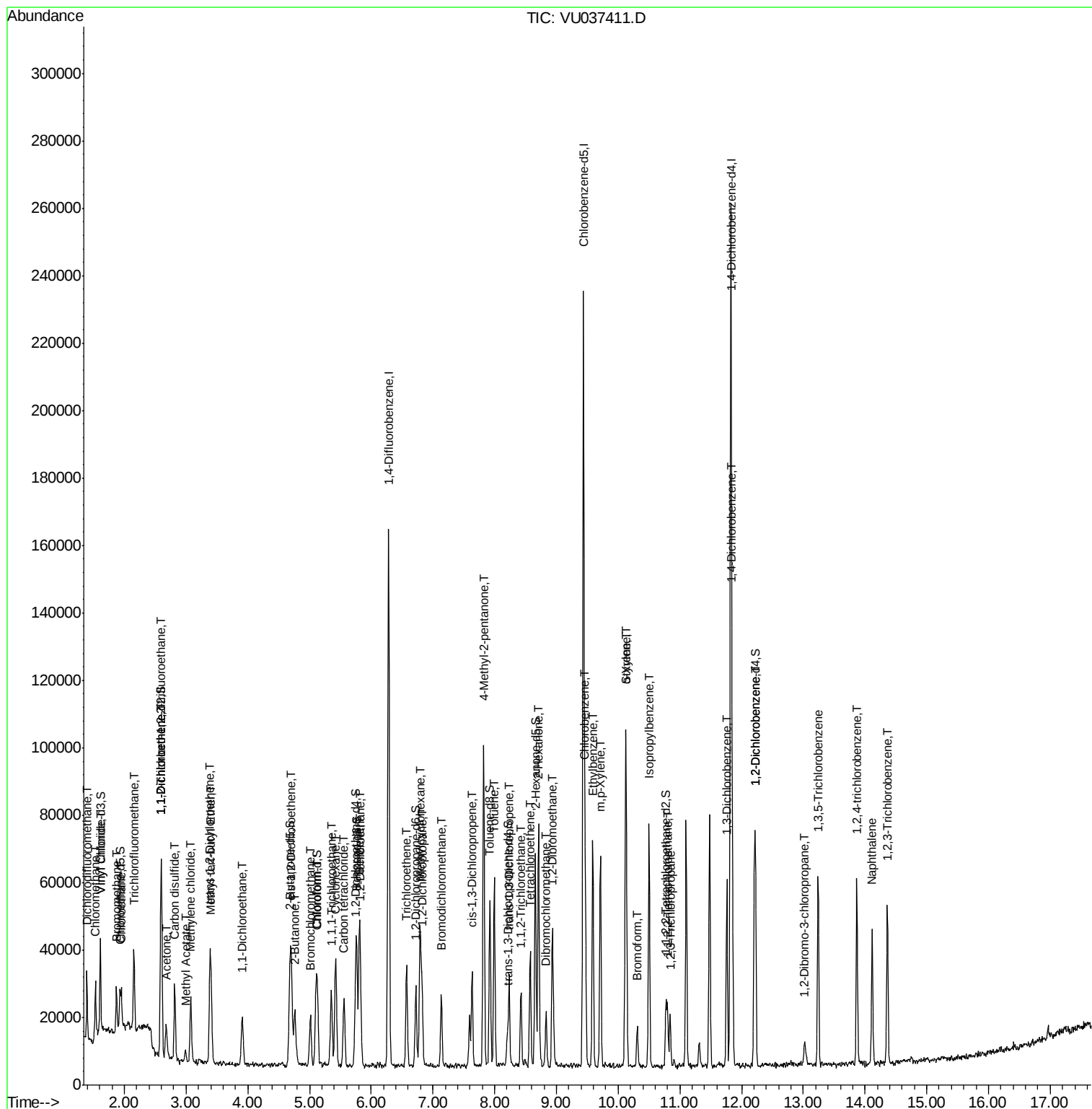
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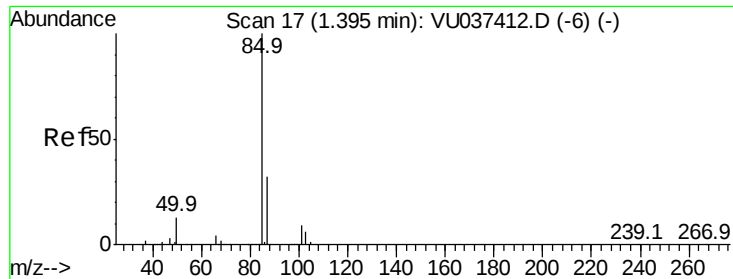
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#2

Dichlorodifluoromethane

Concen: 0.818 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

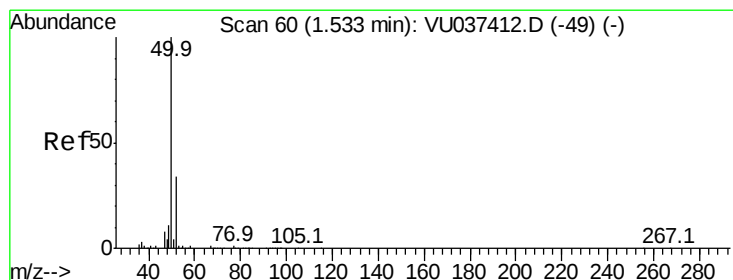
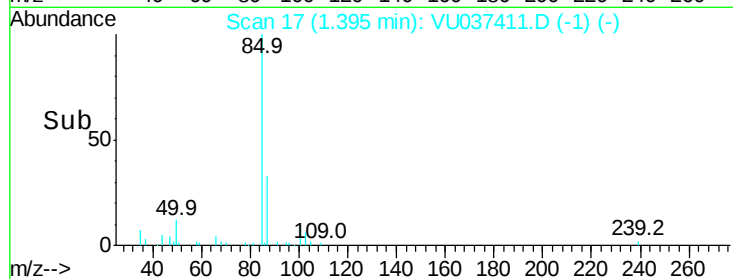
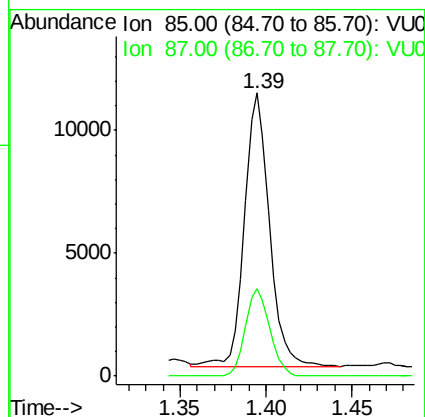
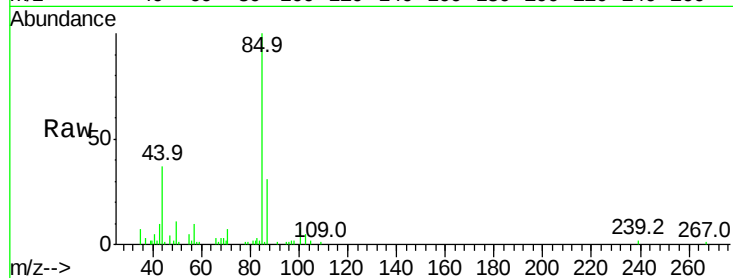
VSTD00103

Tgt Ion: 85 Resp: 11180

Ion Ratio Lower Upper

85 100

87 31.0 24.9 37.3



#3

Chloromethane

Concen: 0.720 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037411.D

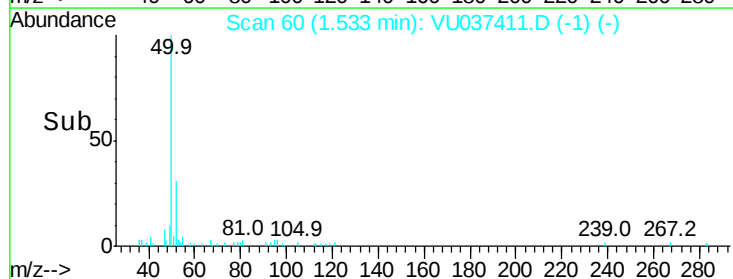
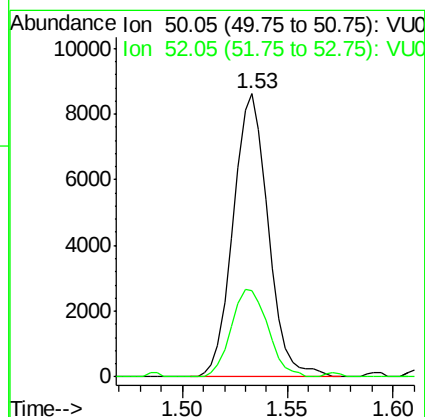
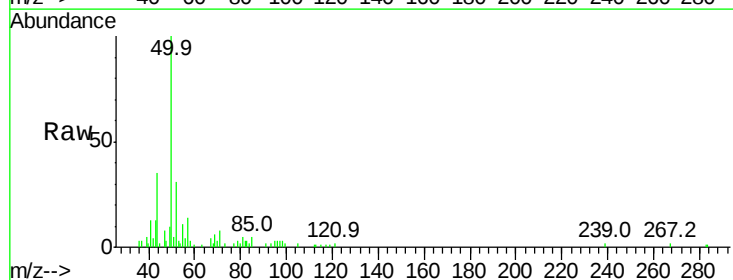
Acq: 28 Mar 2020 10:50

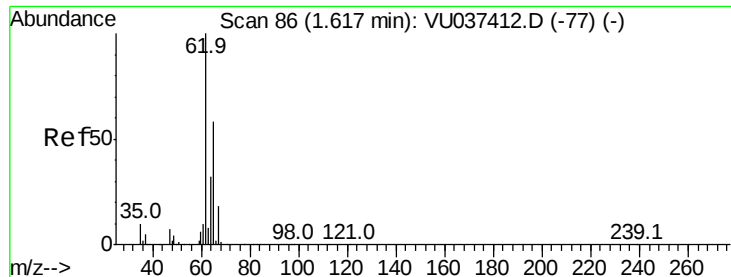
Tgt Ion: 50 Resp: 9917

Ion Ratio Lower Upper

50 100

52 30.7 23.6 43.8





#5

Vinyl chloride

Concen: 0.823 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

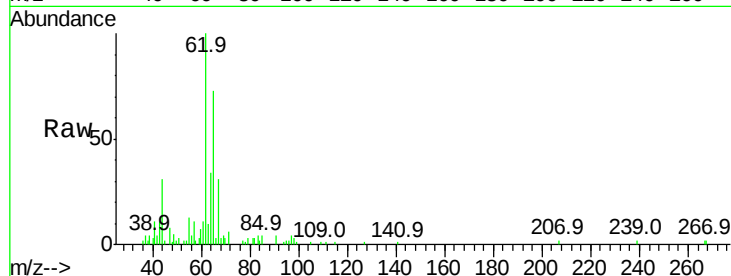
VSTD00103

Tgt Ion: 62 Resp: 10038

Ion Ratio Lower Upper

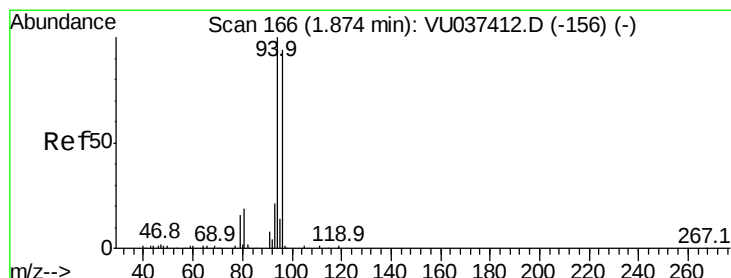
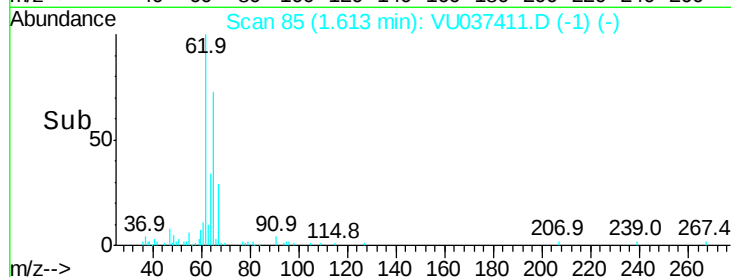
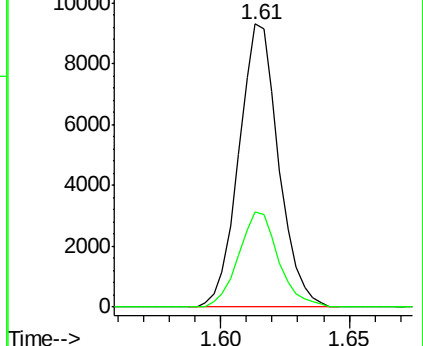
62 100

64 33.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.171 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037411.D

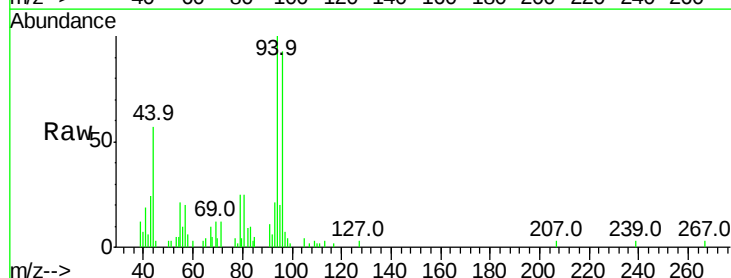
Acq: 28 Mar 2020 10:50

Tgt Ion: 94 Resp: 5729

Ion Ratio Lower Upper

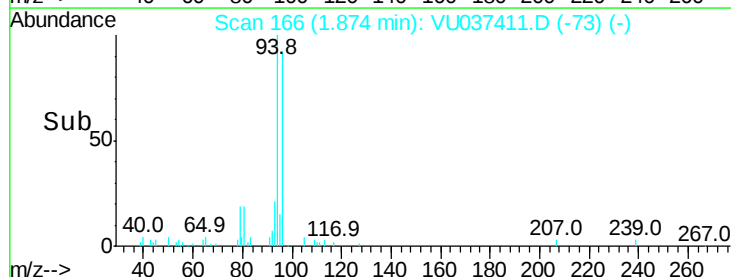
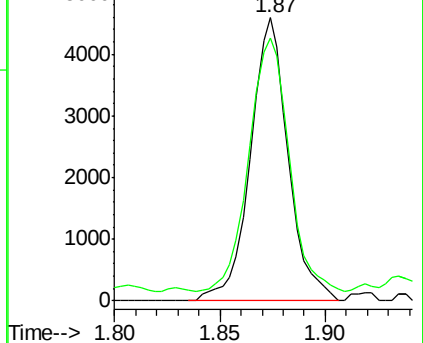
94 100

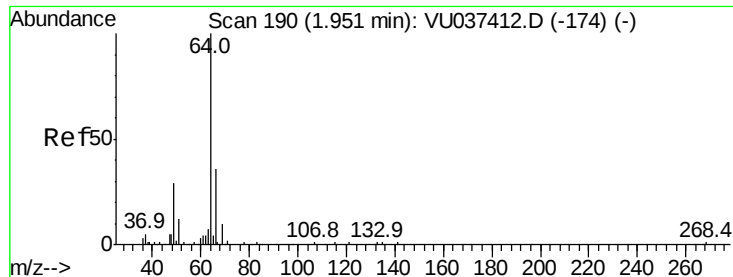
96 92.7 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.942 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

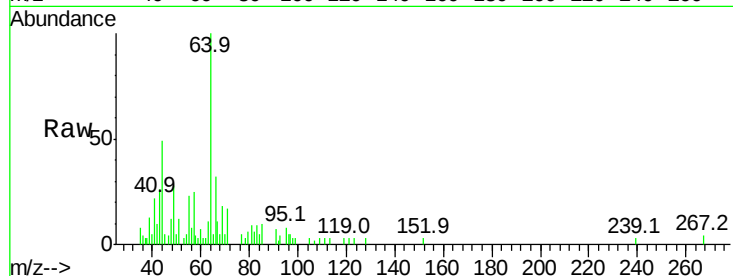
VSTD00103

Tgt Ion: 64 Resp: 6370

Ion Ratio Lower Upper

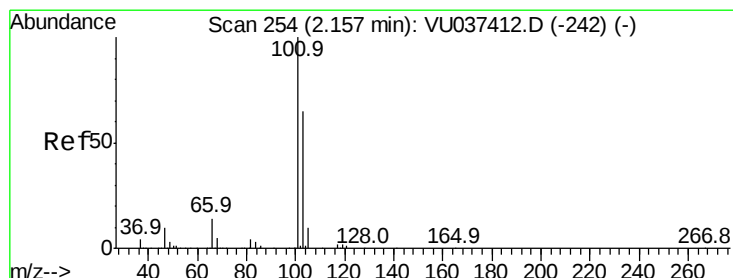
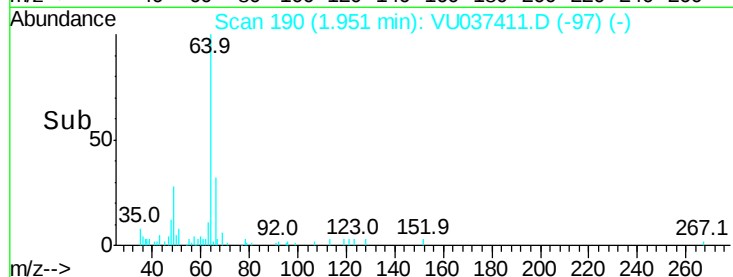
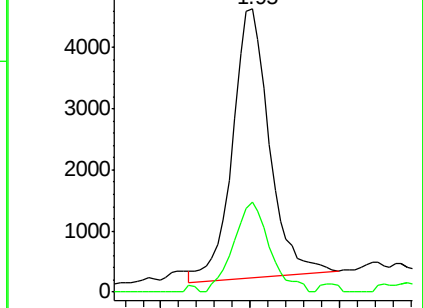
64 100

66 31.8 24.8 46.0



Abundance Ion 64.10 (63.80 to 64.80): VU037412.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU037412.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 0.723 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037411.D

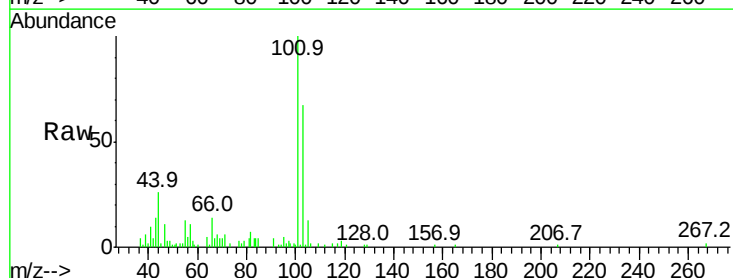
Acq: 28 Mar 2020 10:50

Tgt Ion: 101 Resp: 13400

Ion Ratio Lower Upper

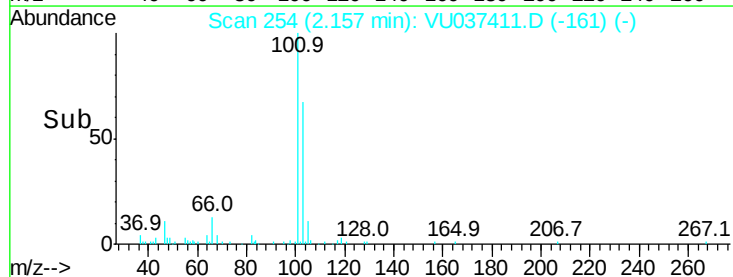
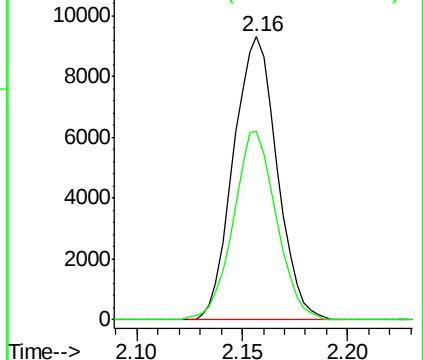
101 100

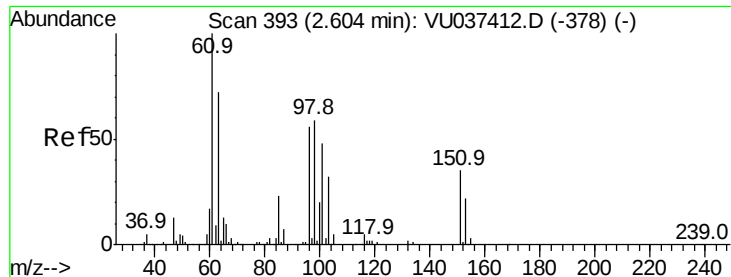
103 65.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU037412.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037412.D (-242) (-)





#10

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

Concen: 0.947 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

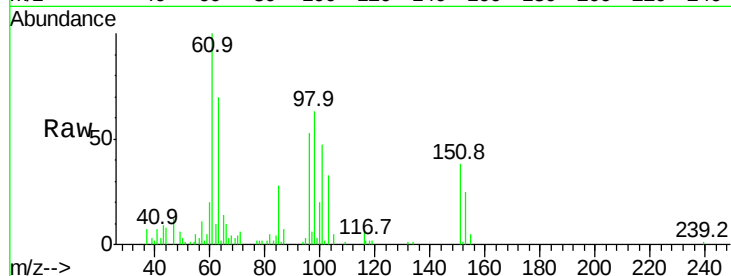
Tgt Ion: 101 Resp: 8136

Ion Ratio Lower Upper

101 100

85 50.5 39.0 58.6

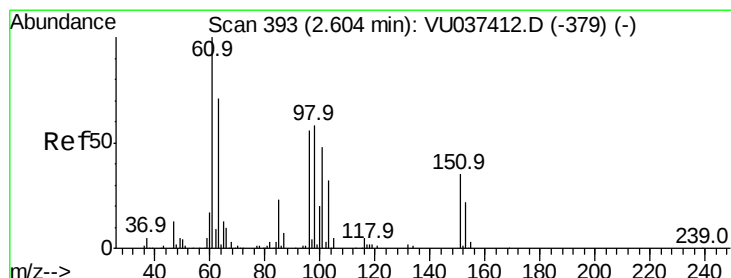
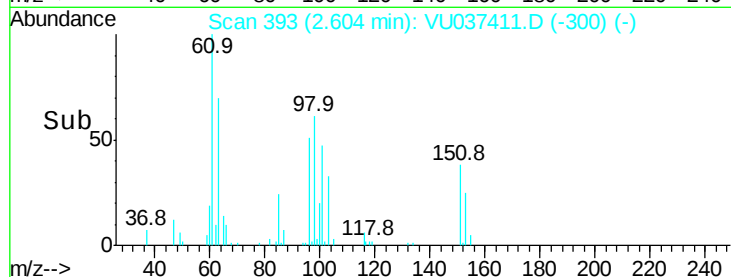
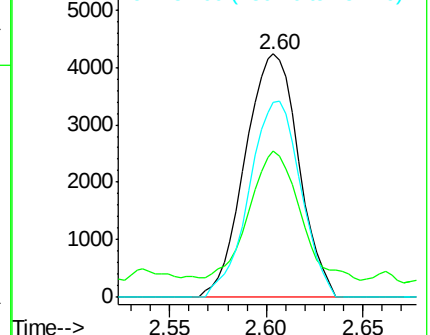
151 77.7 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.109 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

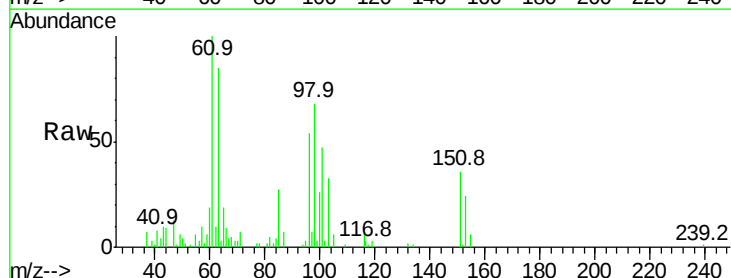
Tgt Ion: 96 Resp: 8822

Ion Ratio Lower Upper

96 100

61 184.9 125.4 232.8

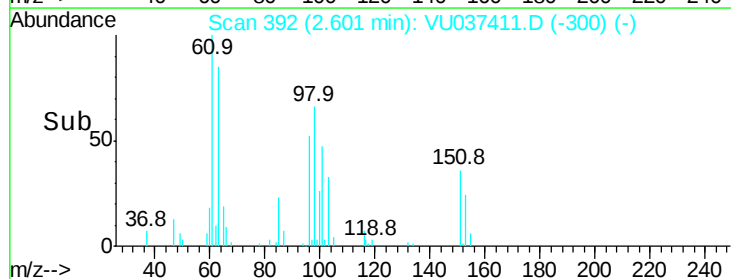
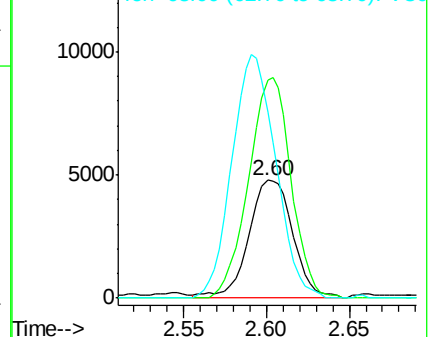
63 157.9 90.9 168.7

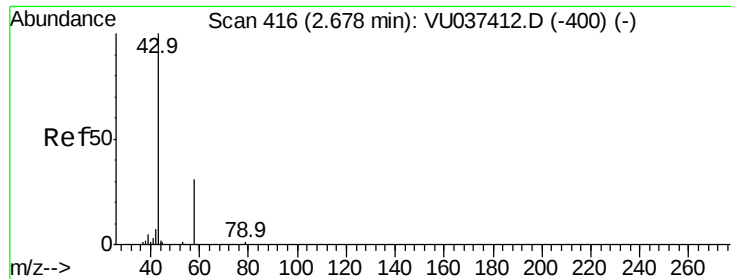


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.940 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

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ClientSampleId :

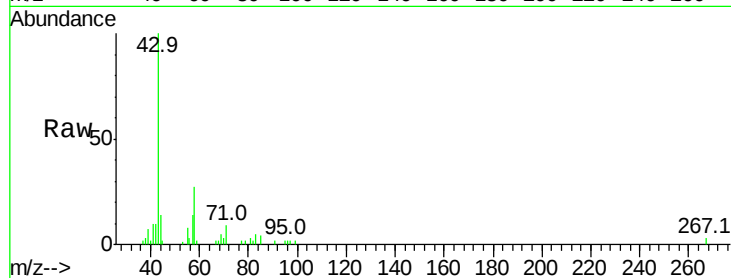
VSTD00103

Tgt Ion: 43 Resp: 14874

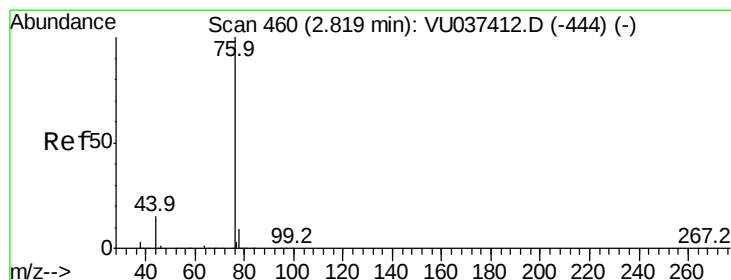
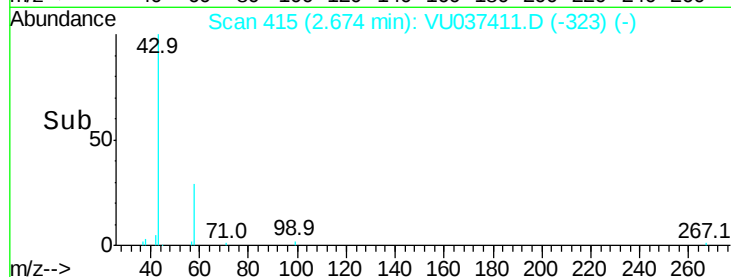
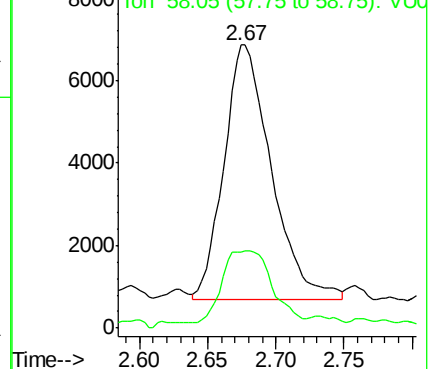
Ion Ratio Lower Upper

43 100

58 29.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU037411.D (-323) (-)



#14

Carbon disulfide

Concen: 1.059 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037411.D

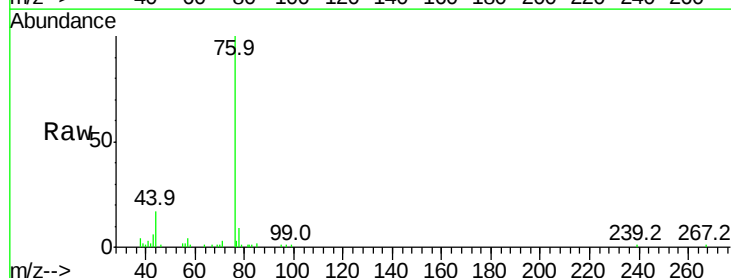
Acq: 28 Mar 2020 10:50

Tgt Ion: 76 Resp: 29049

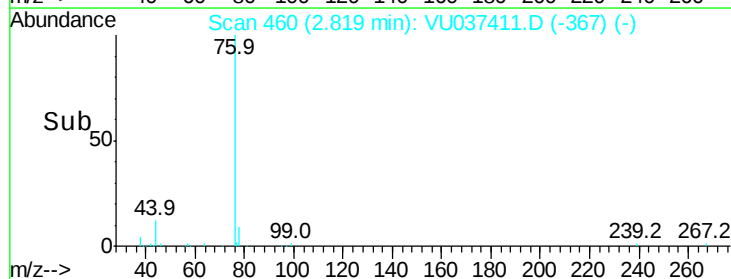
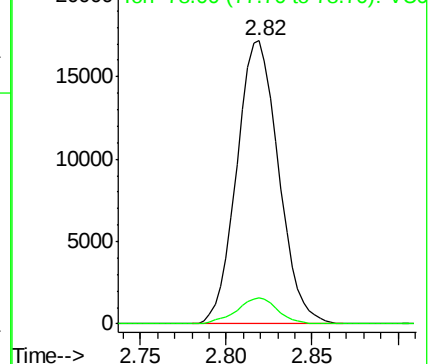
Ion Ratio Lower Upper

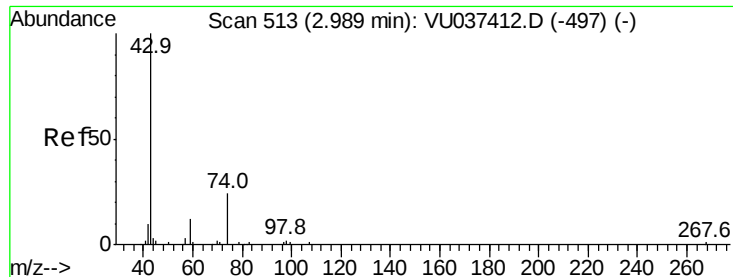
76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037411.D (-367) (-)





#15

Methyl Acetate

Concen: 1.019 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

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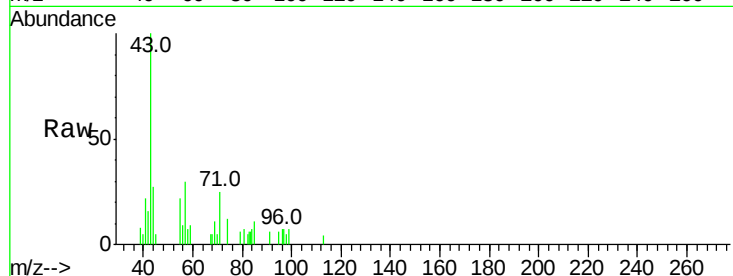
VSTD00103

Tgt Ion: 43 Resp: 3656

Ion Ratio Lower Upper

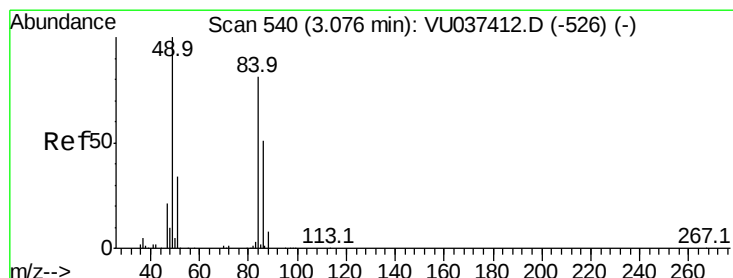
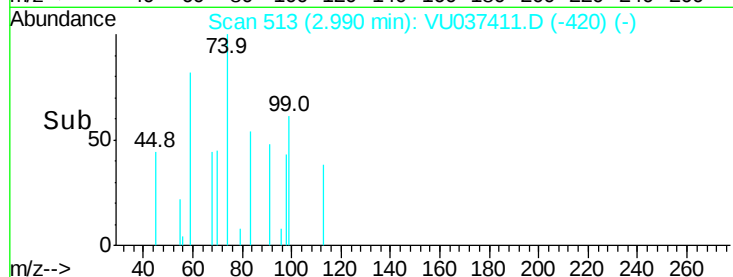
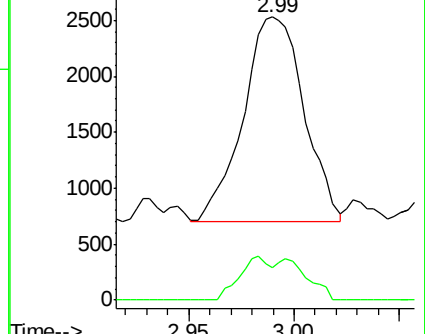
43 100

74 10.2 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VU037411.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU037411.D (-420) (-)



#16

Methylene chloride

Concen: 1.083 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

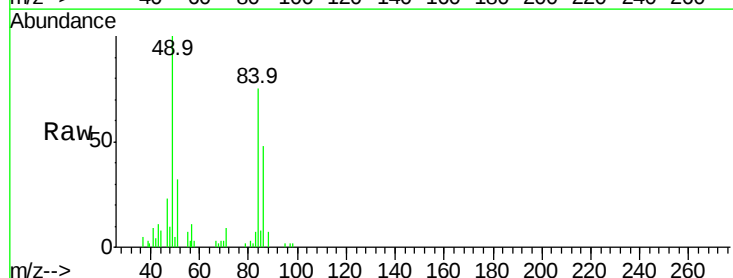
Tgt Ion: 84 Resp: 9515

Ion Ratio Lower Upper

84 100

86 63.2 43.6 81.0

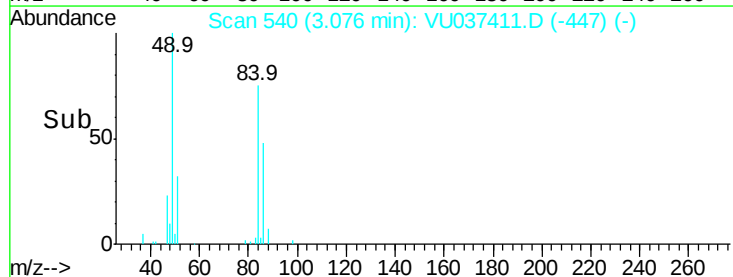
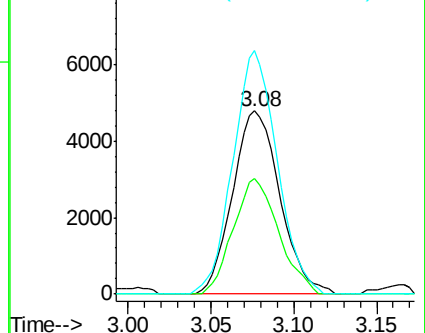
49 133.0 86.4 160.4

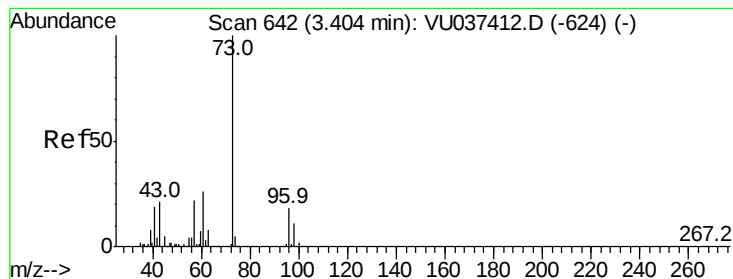


Abundance Ion 84.05 (83.75 to 84.75): VU037411.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU037411.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU037411.D (-447) (-)





#17

Methyl tert-butyl Ether

Concen: 1.062 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

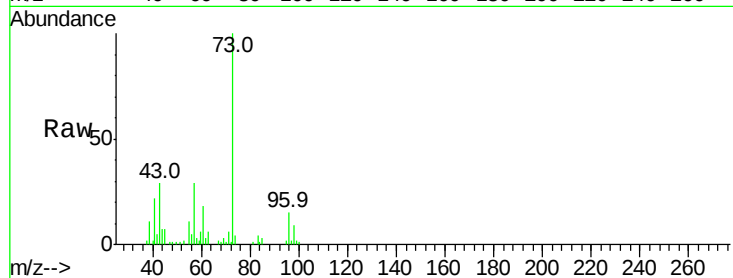
Tgt Ion: 73 Resp: 22343

Ion Ratio Lower Upper

73 100

43 23.2 17.4 26.2

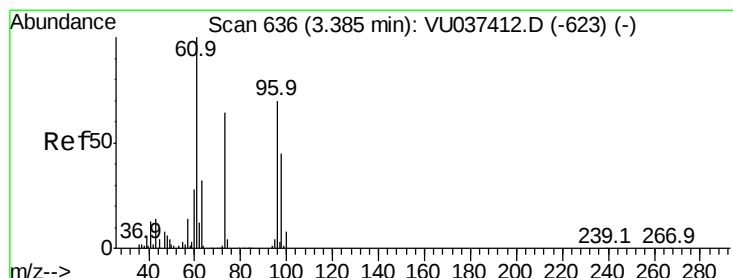
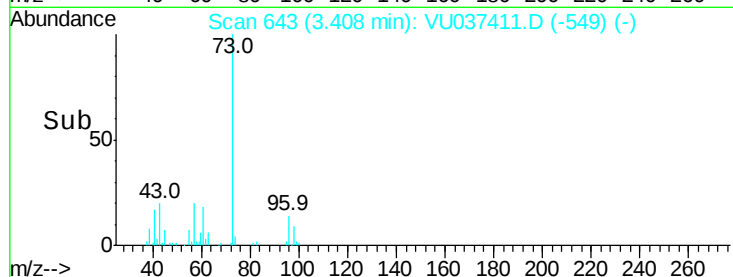
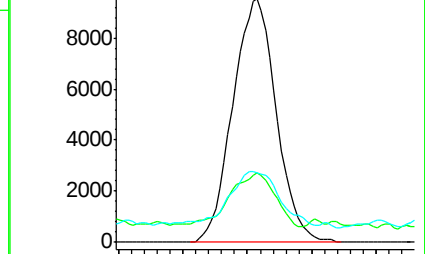
57 24.8 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VU037411.D (-549) (-)

Ion 43.05 (42.75 to 43.75): VU037411.D (-549) (-)

Ion 57.10 (56.80 to 57.80): VU037411.D (-549) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.045 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

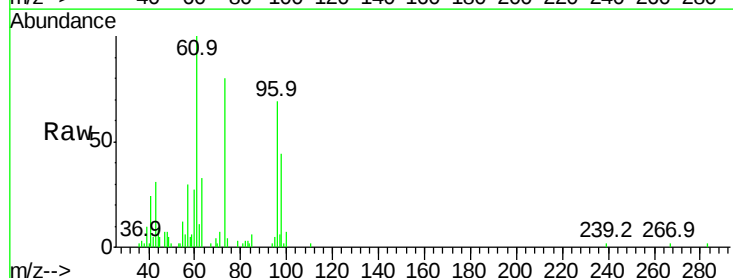
Tgt Ion: 96 Resp: 8839

Ion Ratio Lower Upper

96 100

61 145.8 99.9 185.5

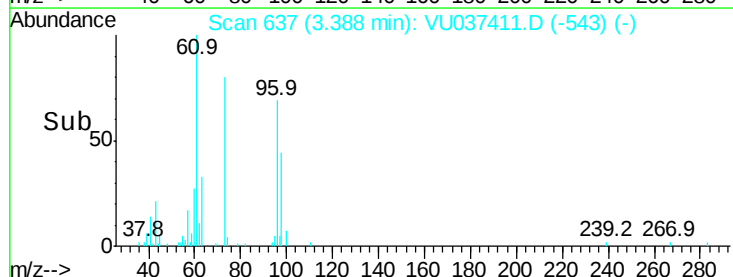
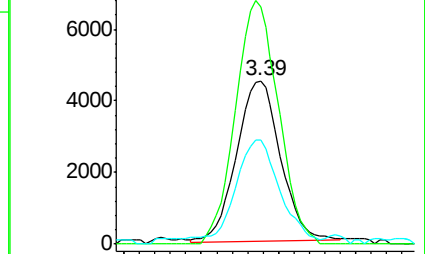
98 63.8 45.4 84.4

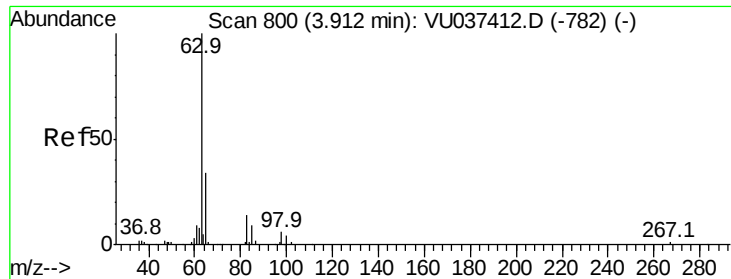


Abundance Ion 96.00 (95.70 to 96.70): VU037411.D (-543) (-)

Ion 61.05 (60.75 to 61.75): VU037411.D (-543) (-)

Ion 97.95 (97.65 to 98.65): VU037411.D (-543) (-)

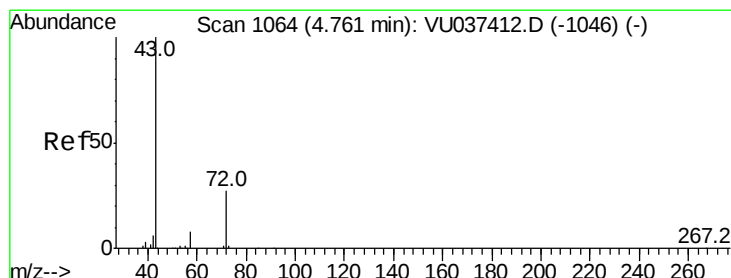
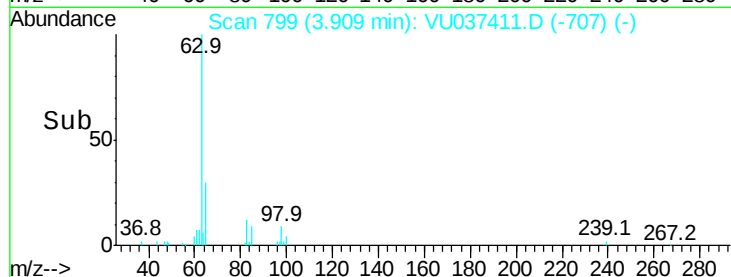
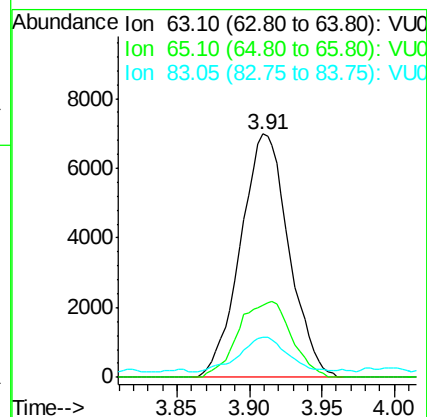
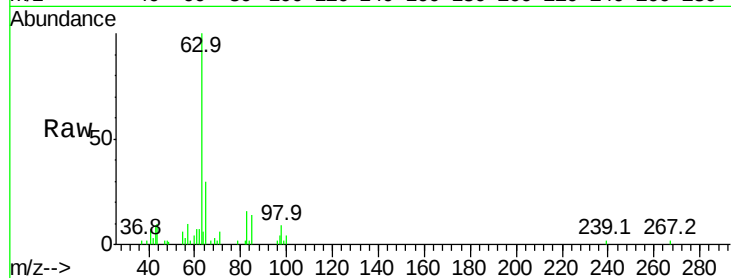




#19
 1,1-Dichloroethane
 Concen: 0.996 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

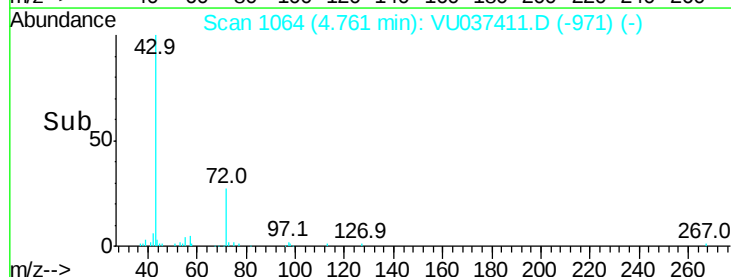
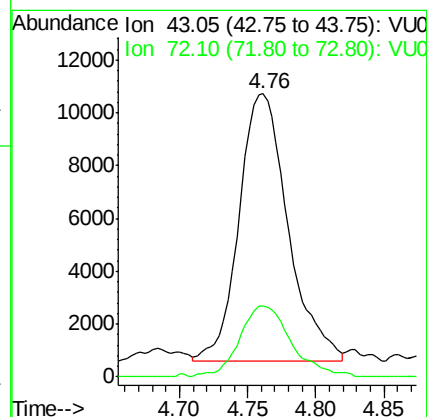
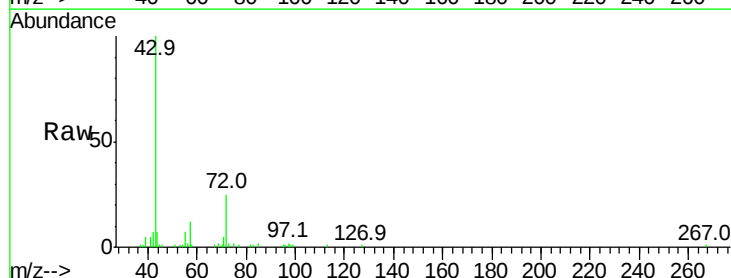
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

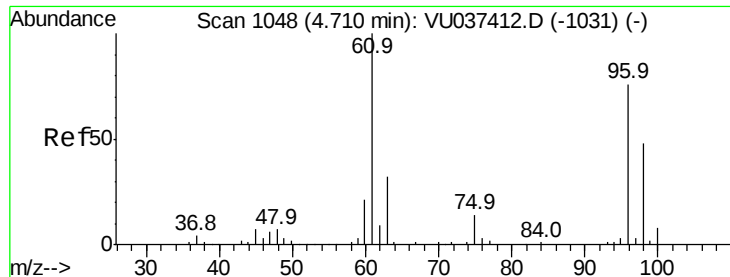
Tgt Ion: 63 Resp: 16174
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.7 43.9
 83 16.2 10.6 19.6



#21
 2-Butanone
 Concen: 10.961 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Tgt Ion: 43 Resp: 25240
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 1.123 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

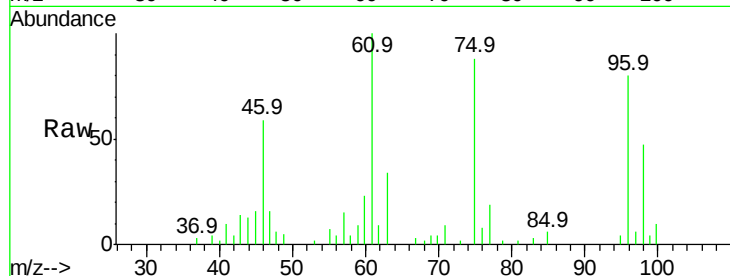
Tgt Ion: 96 Resp: 10356

Ion Ratio Lower Upper

96 100

61 125.3 91.6 170.2

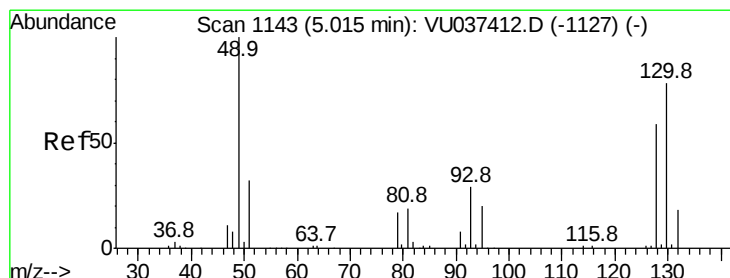
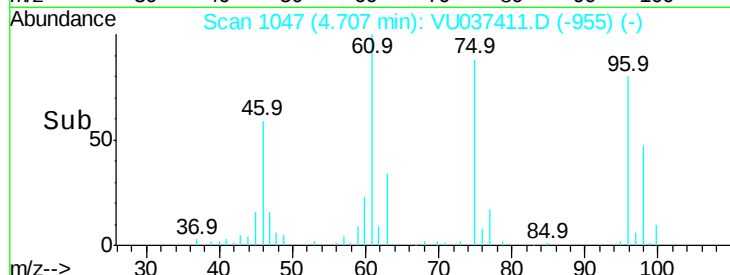
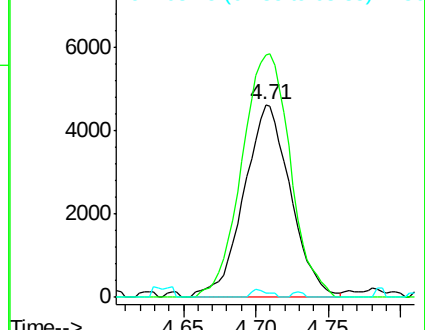
68 2.4 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VU037411.D (-955) (-)

Ion 61.05 (60.75 to 61.75): VU037411.D (-955) (-)

Ion 68.15 (67.85 to 68.85): VU037411.D (-955) (-)



#23

Bromochloromethane

Concen: 0.974 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Tgt Ion: 128 Resp: 4123

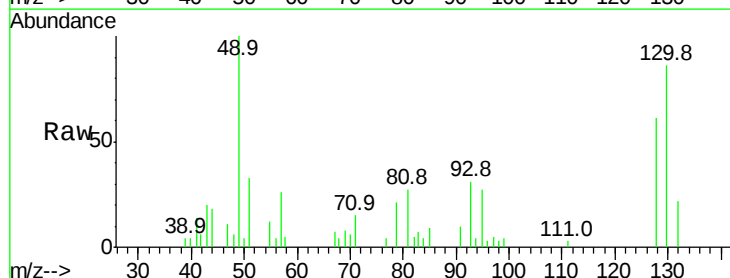
Ion Ratio Lower Upper

128 100

49 162.8 119.1 221.3

130 139.6 92.6 172.0

51 54.5 43.7 65.5

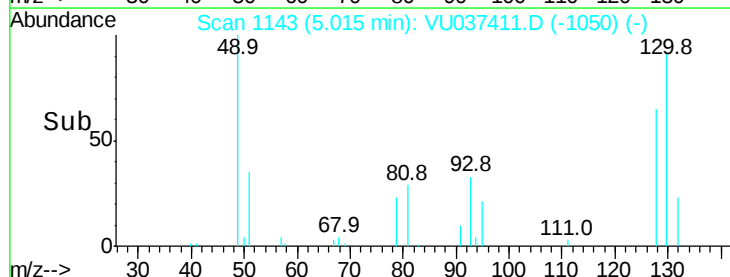
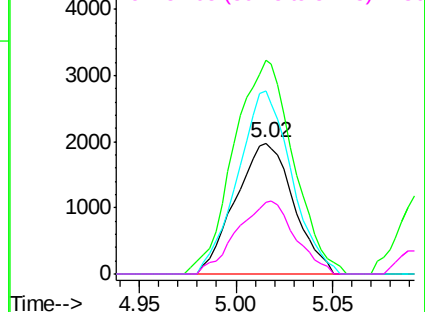


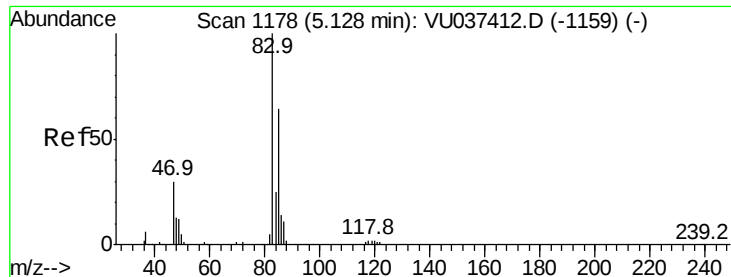
Abundance Ion 127.90 (127.60 to 128.60): VU037411.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037411.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037411.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037411.D (-1050) (-)





#25

Chloroform

Concen: 0.942 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

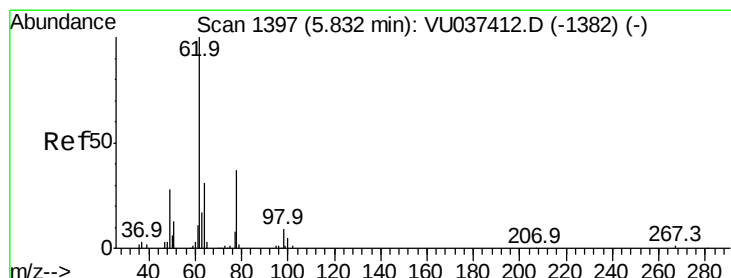
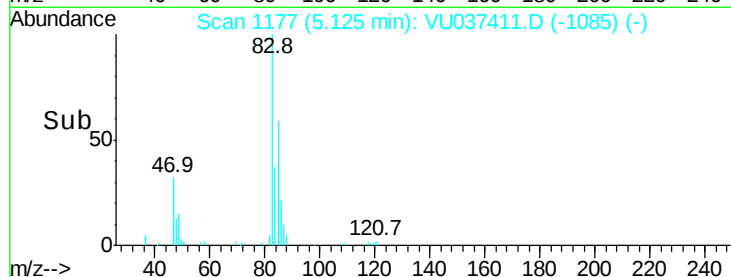
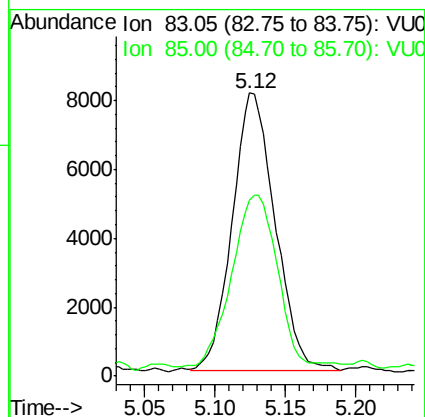
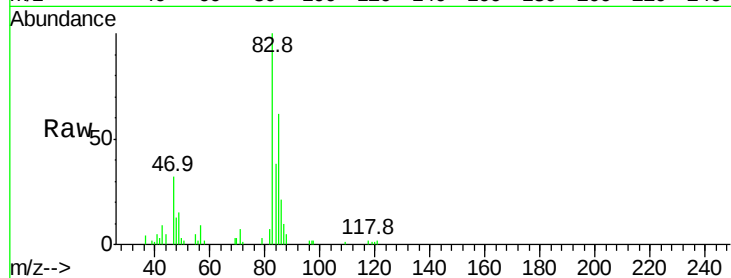
VSTD00103

Tgt Ion: 83 Resp: 17029

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.922 ug/L

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037411.D

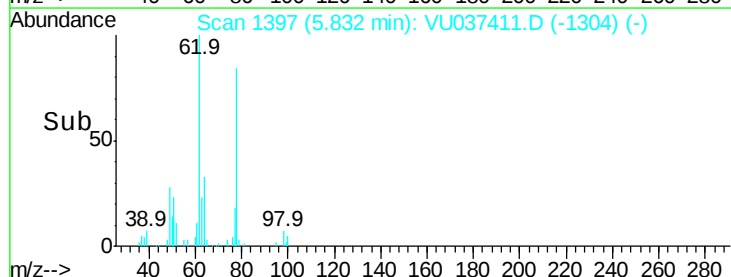
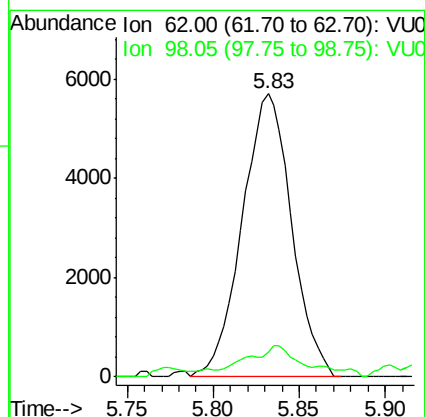
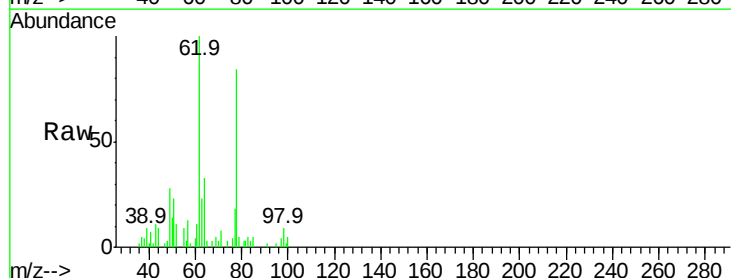
Acq: 28 Mar 2020 10:50

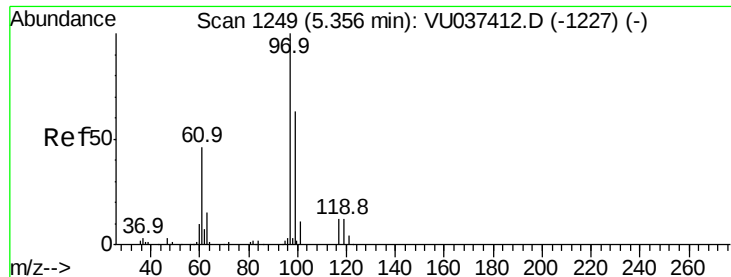
Tgt Ion: 62 Resp: 11345

Ion Ratio Lower Upper

62 100

98 8.9 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 0.983 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

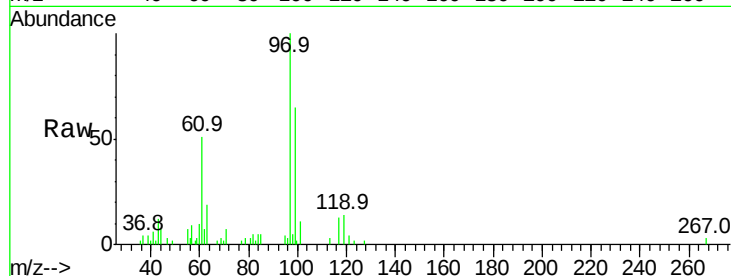
Tgt Ion: 97 Resp: 15700

Ion Ratio Lower Upper

97 100

99 65.8 51.0 76.6

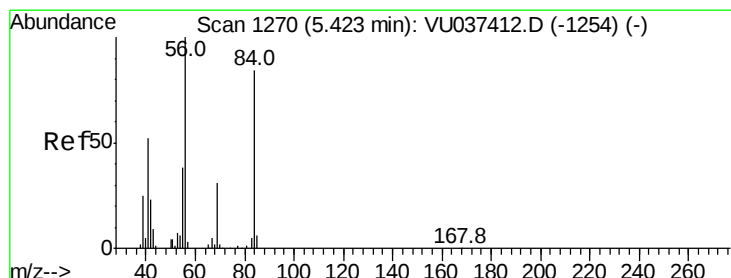
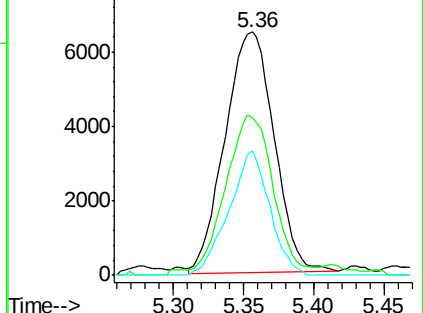
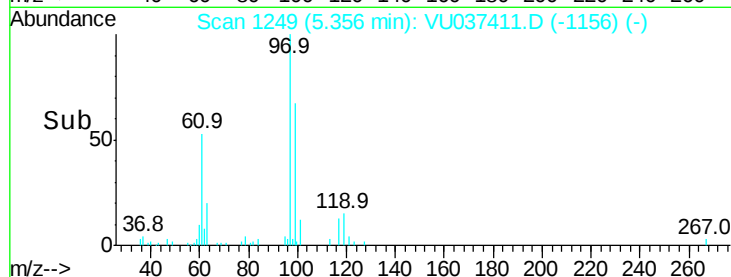
61 43.0 36.7 55.1



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 1.237 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

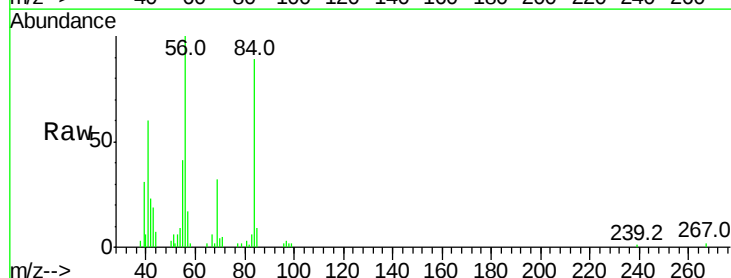
Tgt Ion: 56 Resp: 16785

Ion Ratio Lower Upper

56 100

69 28.1 25.7 38.5

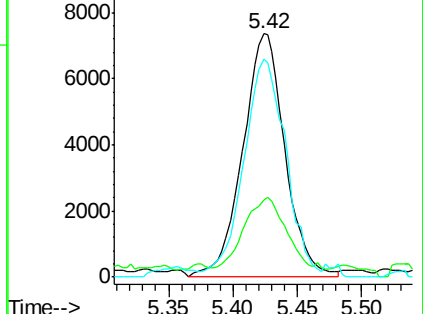
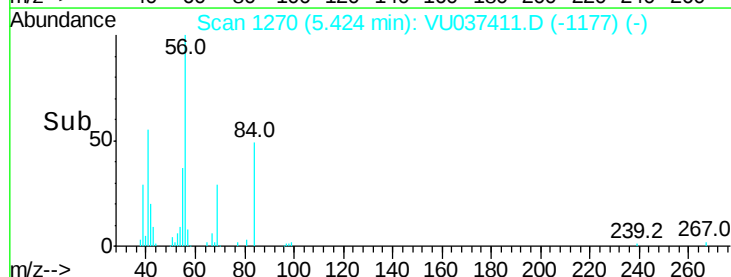
84 89.3 67.1 100.7

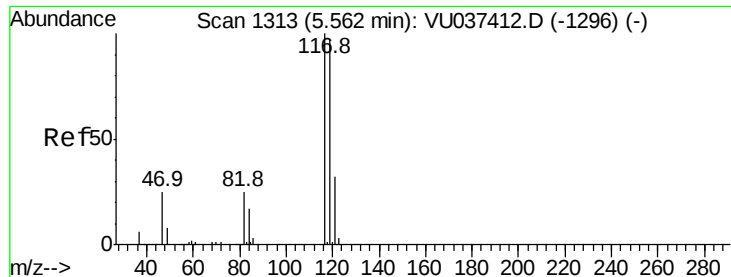


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.956 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

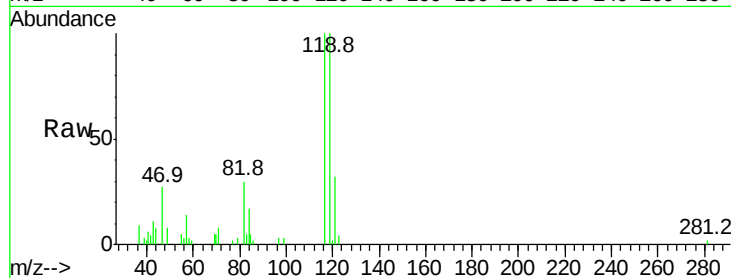
VSTD00103

Tgt Ion:117 Resp: 13246

Ion Ratio Lower Upper

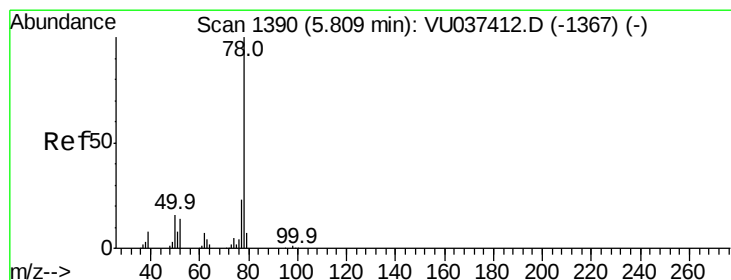
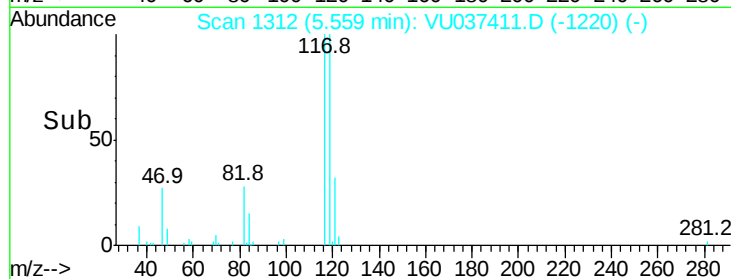
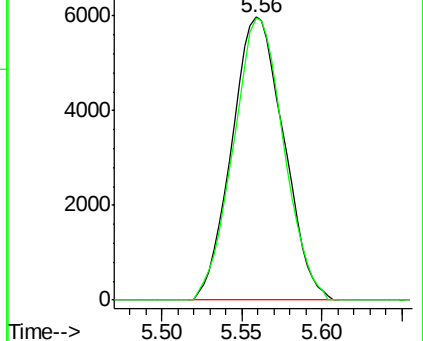
117 100

119 96.8 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.096 ug/L

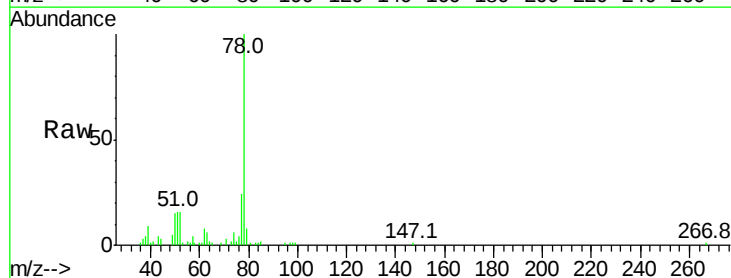
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

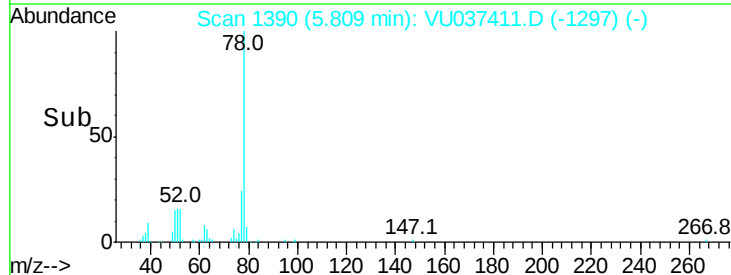
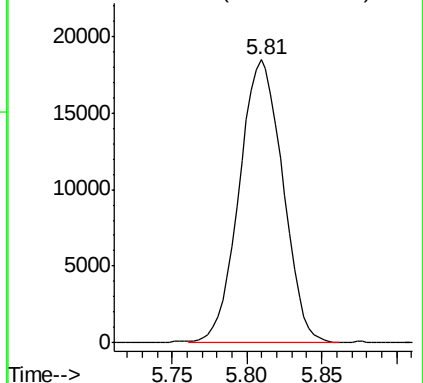
Lab File: VU037411.D

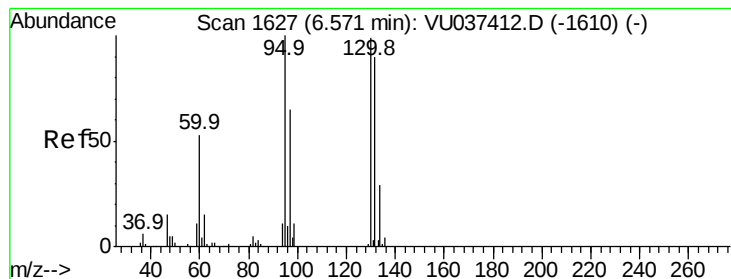
Acq: 28 Mar 2020 10:50

Tgt Ion: 78 Resp: 37431



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.141 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 95 Resp: 10710

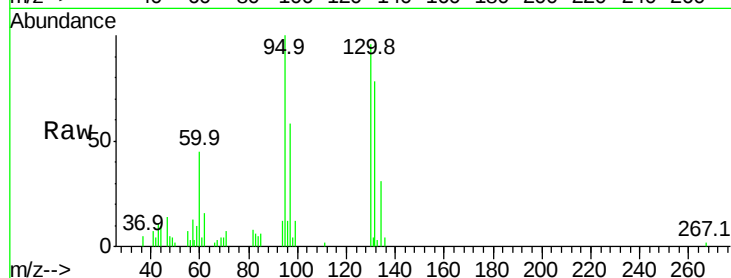
Ion Ratio Lower Upper

95 100

97 58.4 45.3 84.1

132 78.3 62.7 116.5

130 96.5 69.1 128.3

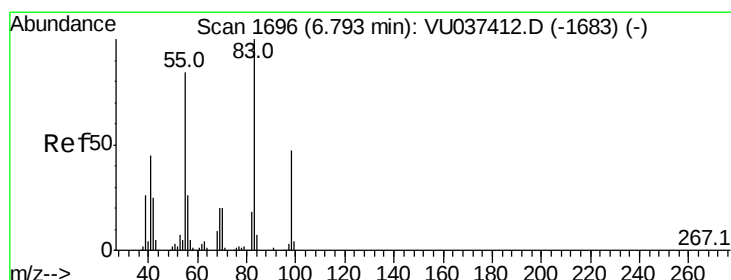
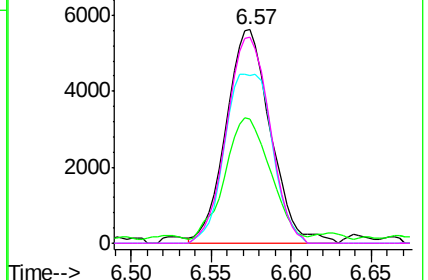
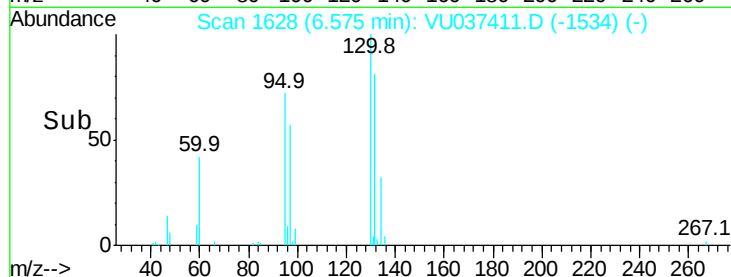


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.206 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

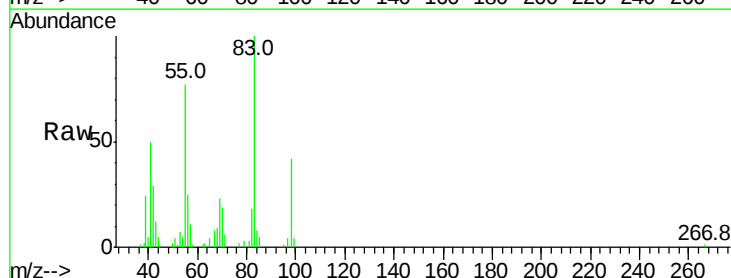
Tgt Ion: 83 Resp: 16772

Ion Ratio Lower Upper

83 100

55 79.0 64.2 96.4

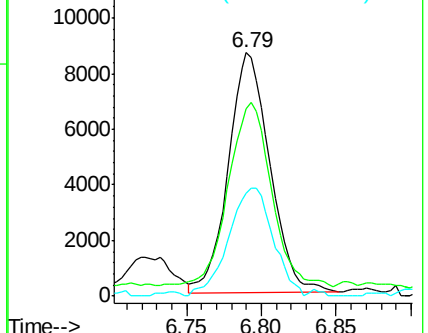
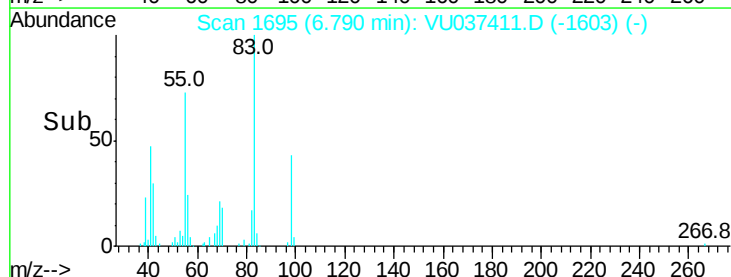
98 47.7 36.3 54.5

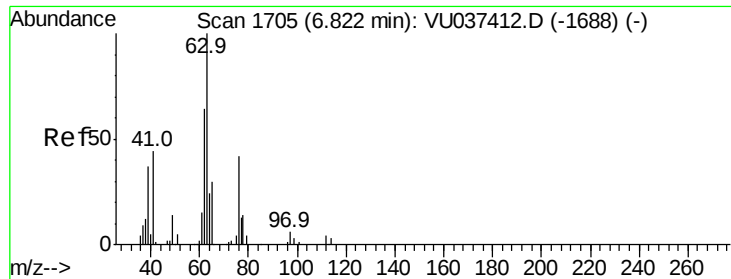


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.997 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampled :

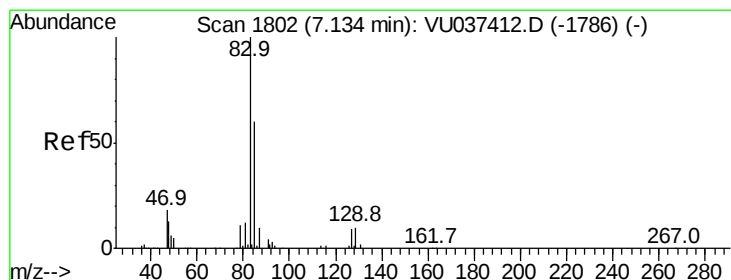
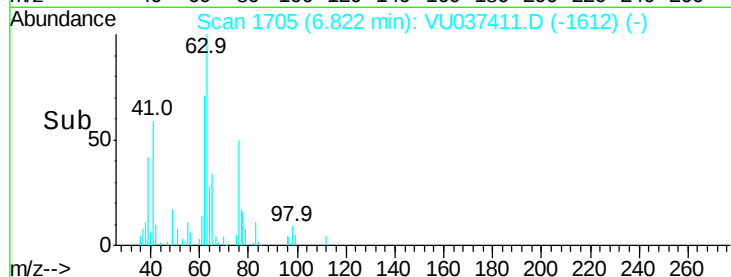
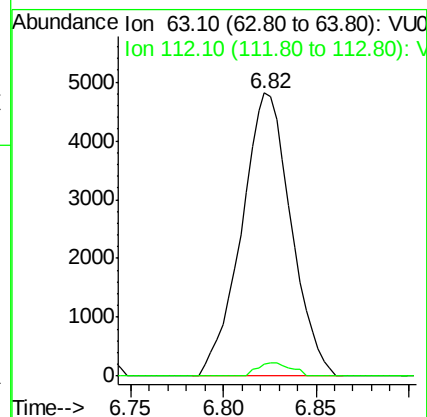
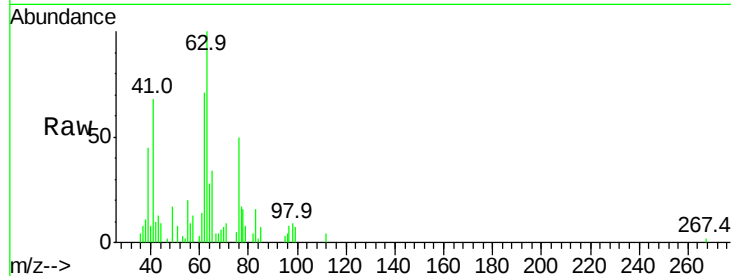
VSTD00103

Tgt Ion: 63 Resp: 8919

Ion Ratio Lower Upper

63 100

112 3.2 3.0 4.6



#38

Bromodichloromethane

Concen: 1.055 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

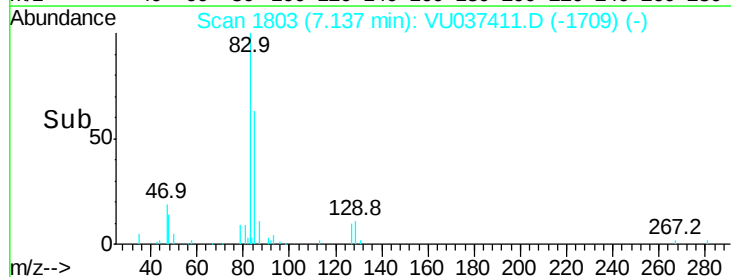
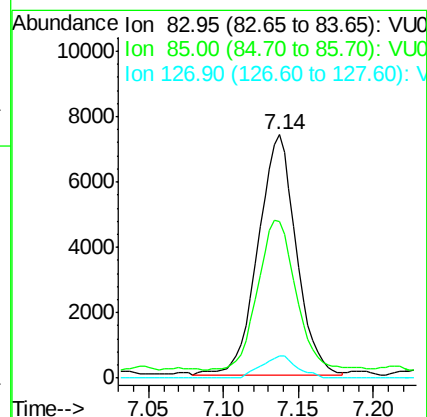
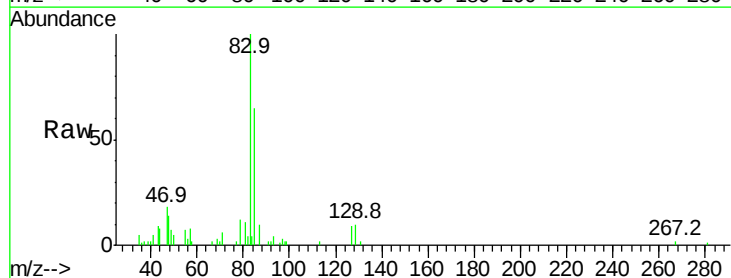
Tgt Ion: 83 Resp: 12953

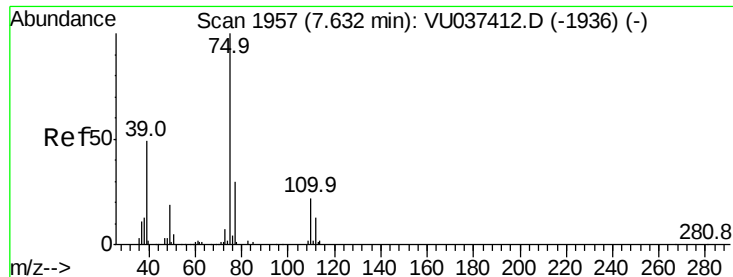
Ion Ratio Lower Upper

83 100

85 64.5 42.4 78.8

127 9.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 1.144 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

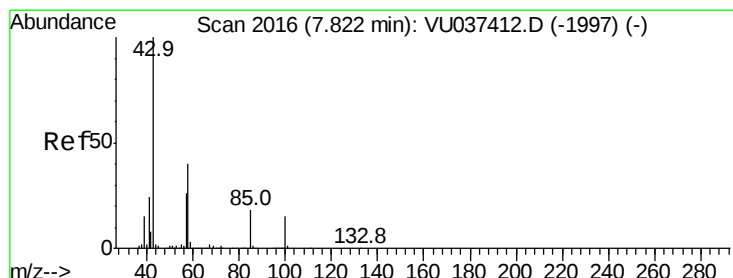
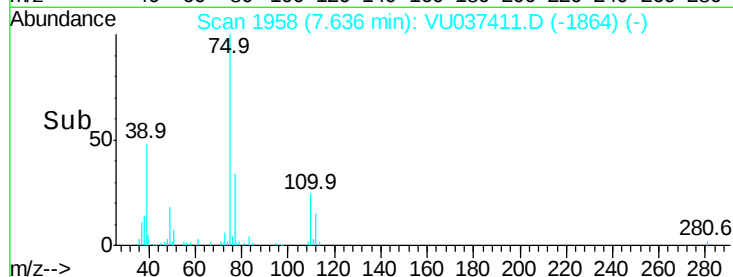
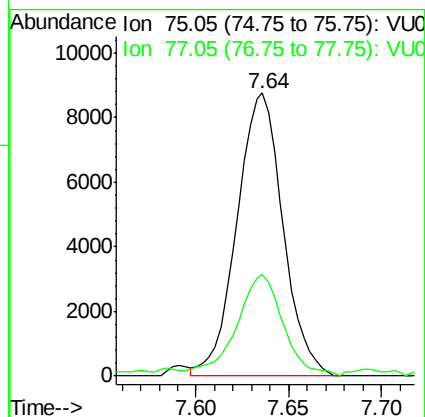
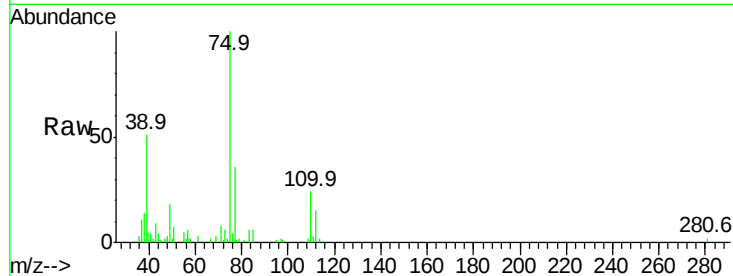
VSTD00103

Tgt Ion: 75 Resp: 15169

Ion Ratio Lower Upper

75 100

77 35.7 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 11.124 ug/L

RT: 7.82 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

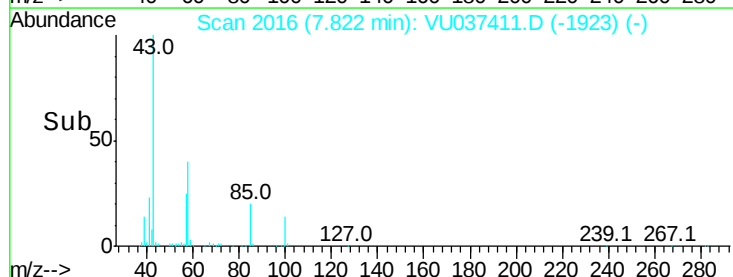
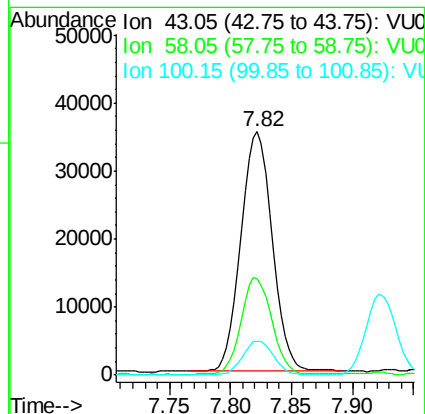
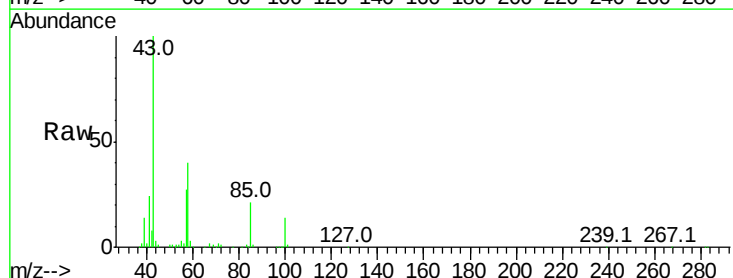
Tgt Ion: 43 Resp: 62401

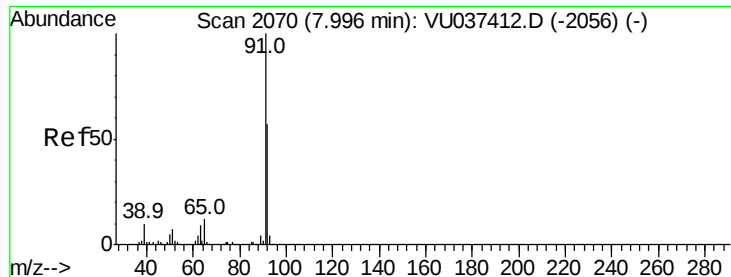
Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1

100 13.9 11.6 17.4





#42

Toluene

Concen: 1.054 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampled :

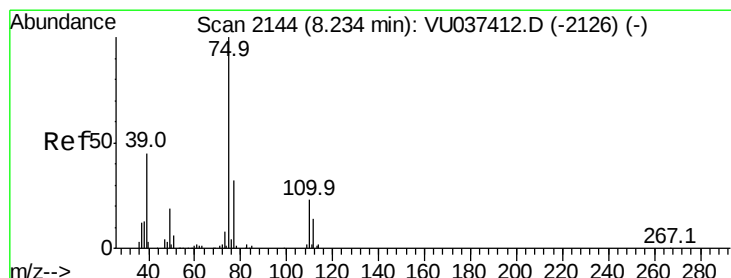
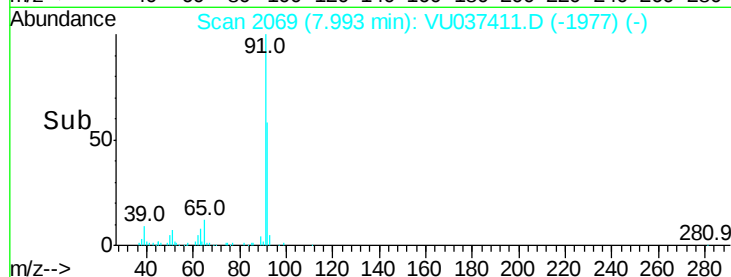
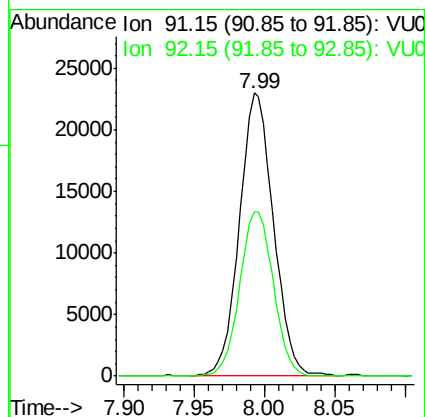
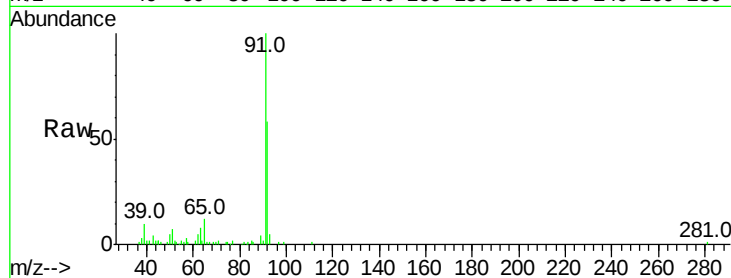
VSTD00103

Tgt Ion: 91 Resp: 38960

Ion Ratio Lower Upper

91 100

92 58.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 1.123 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037411.D

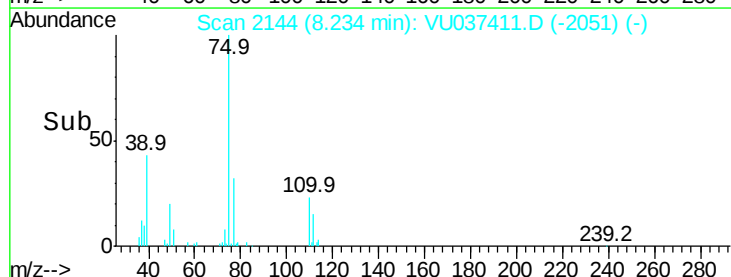
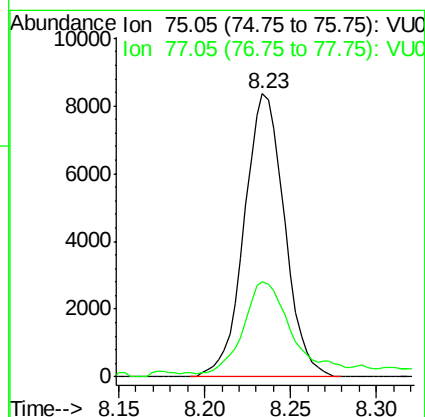
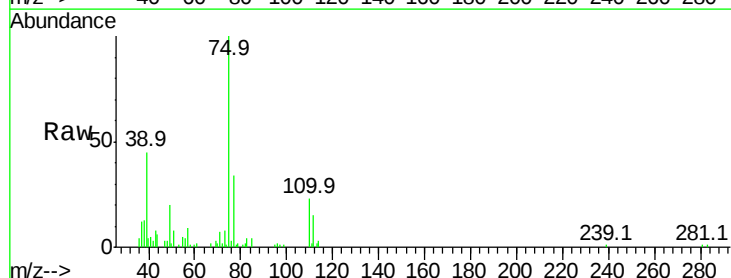
Acq: 28 Mar 2020 10:50

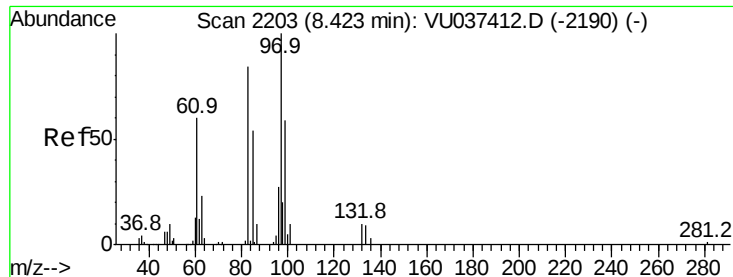
Tgt Ion: 75 Resp: 13607

Ion Ratio Lower Upper

75 100

77 33.8 22.7 42.1

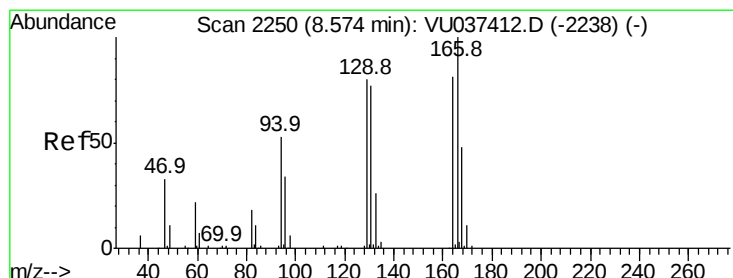
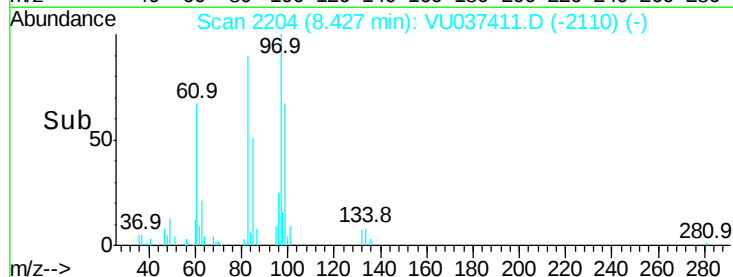
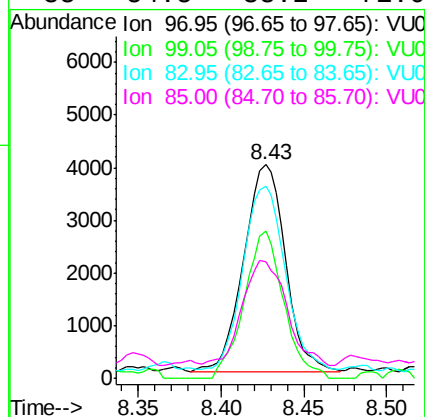
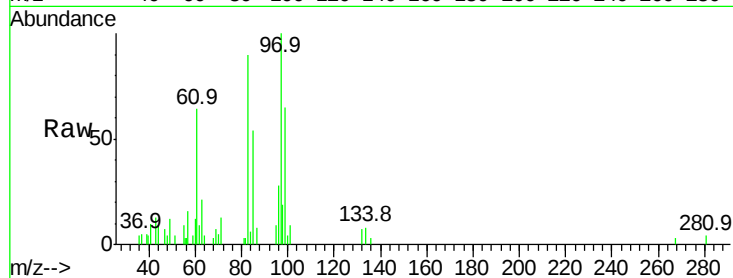




#45
 1,1,2-Trichloroethane
 Concen: 1.079 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

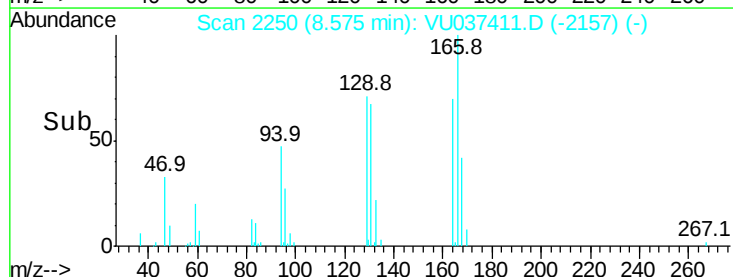
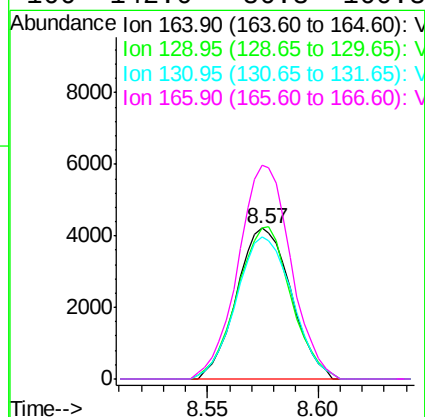
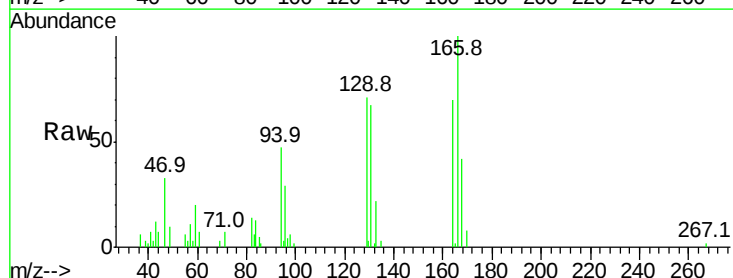
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

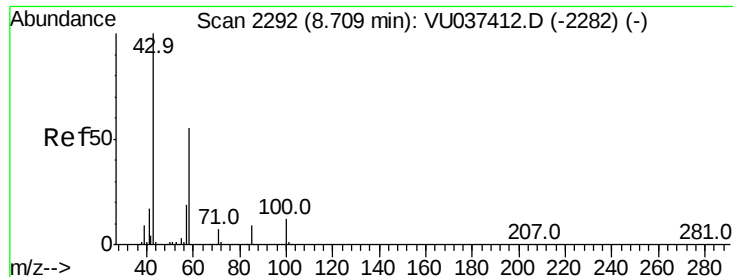
Tgt Ion:	97	Resp:	6942
Ion	Ratio	Lower	Upper
97	100		
99	69.0	41.1	76.3
83	89.7	58.7	108.9
85	54.5	38.2	71.0



#47
 Tetrachloroethene
 Concen: 0.954 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Tgt Ion:	164	Resp:	7239
Ion	Ratio	Lower	Upper
164	100		
129	100.4	68.8	127.8
131	94.5	66.9	124.3
166	142.0	86.3	160.3

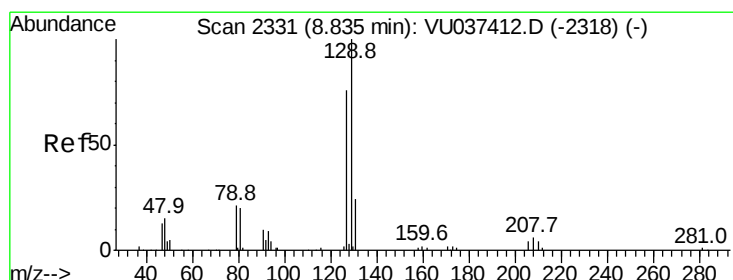
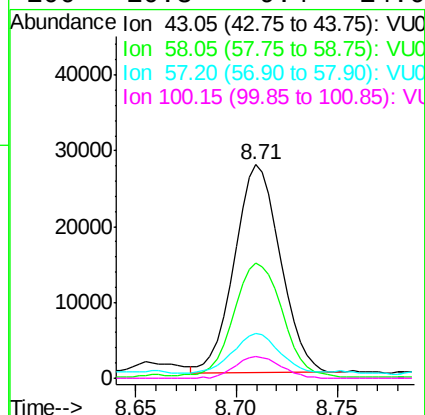
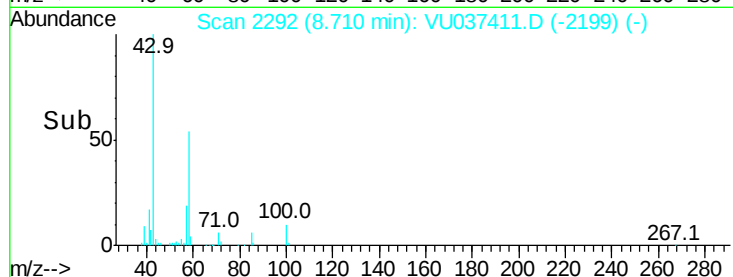
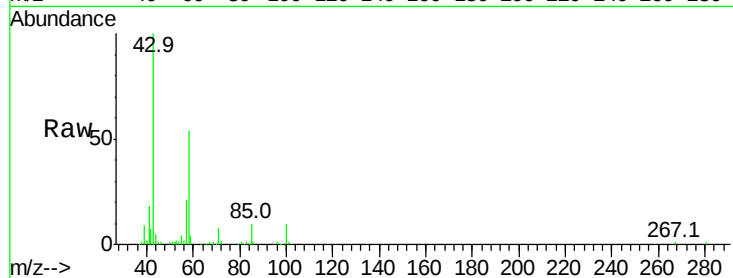




#48
2-Hexanone
Concen: 10.956 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037411.D
Acq: 28 Mar 2020 10:50

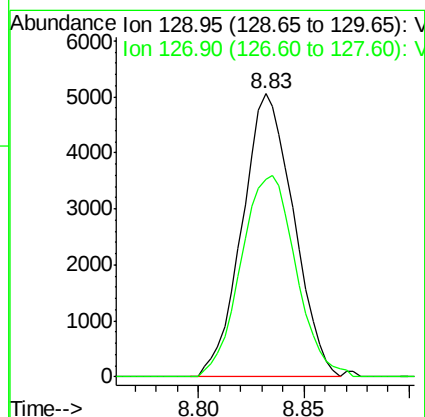
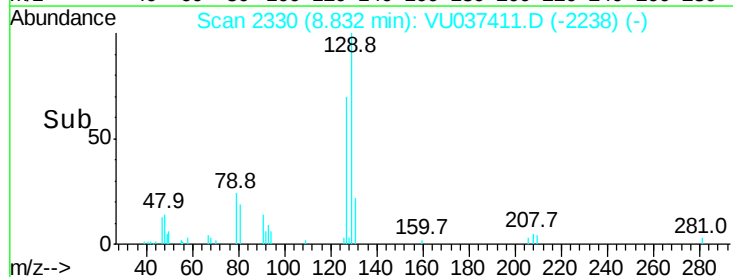
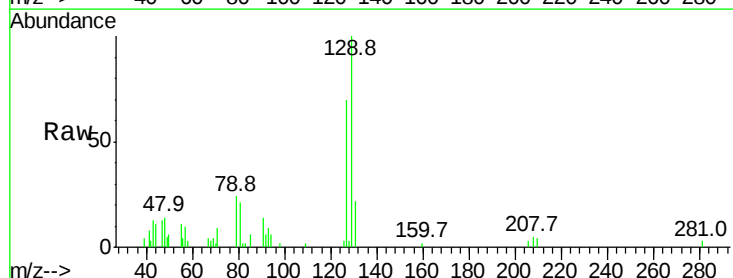
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

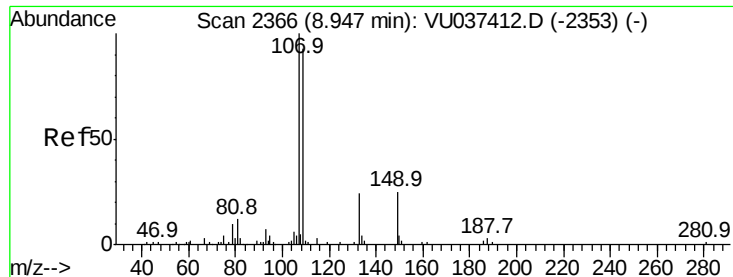
Tgt Ion:	43	Resp:	43791
Ion	Ratio	Lower	Upper
43	100		
58	58.6	44.2	66.2
57	20.1	15.3	22.9
100	10.3	9.4	14.0



#49
Dibromochloromethane
Concen: 1.016 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037411.D
Acq: 28 Mar 2020 10:50

Tgt Ion:	129	Resp:	8551
Ion	Ratio	Lower	Upper
129	100		
127	69.7	53.5	99.3

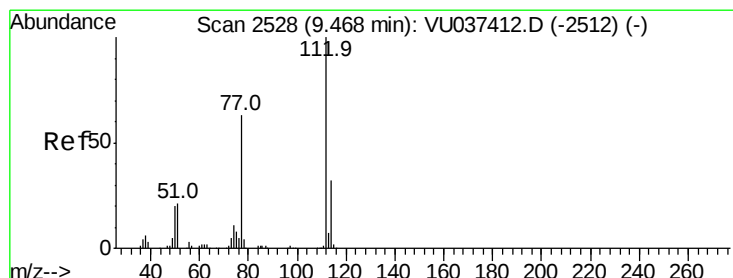
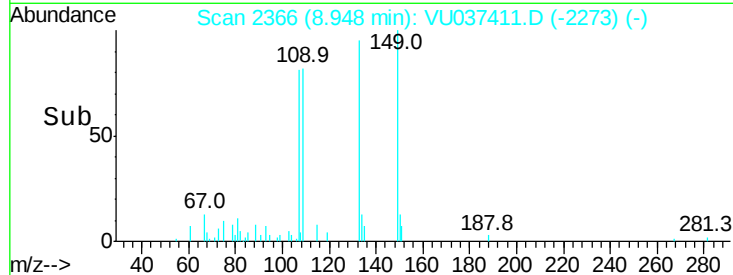
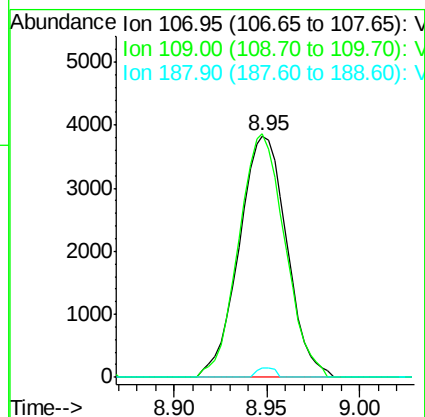
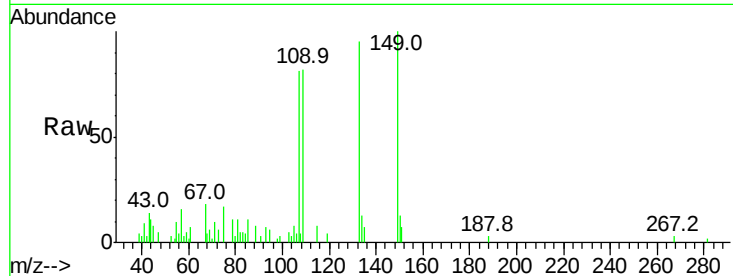




#50
 1,2-Dibromoethane
 Concen: 1.076 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

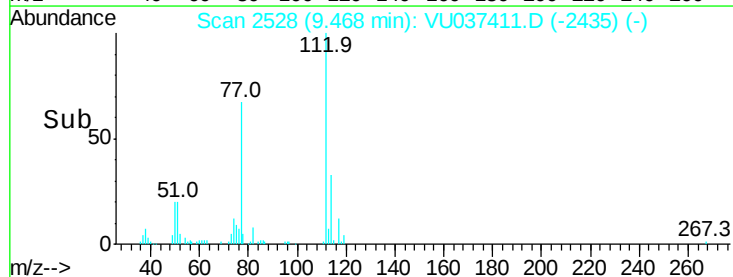
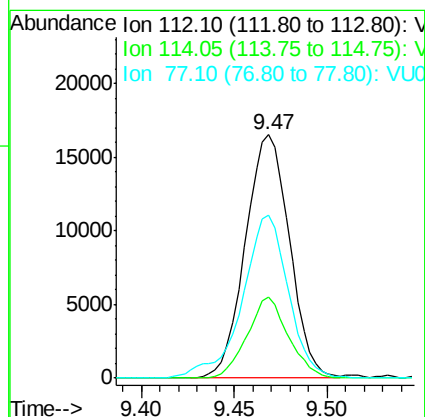
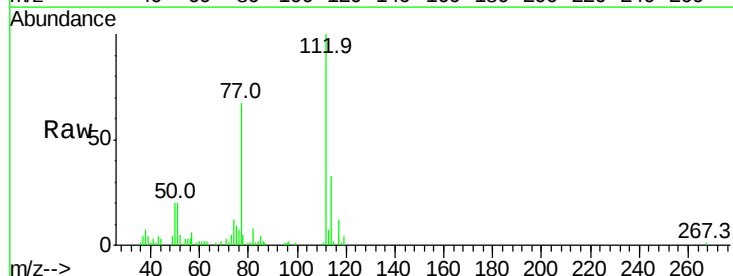
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

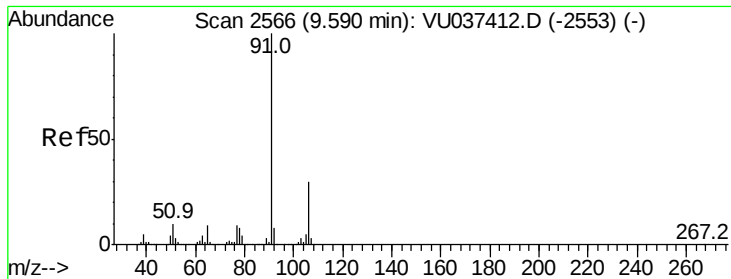
Tgt Ion:	107	Resp:	6797
Ion	Ratio	Lower	Upper
107	100		
109	100.9	64.8	120.4
188	3.8	2.6	4.0



#51
 Chlorobenzene
 Concen: 1.142 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Tgt Ion:	112	Resp:	27342
Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.4	41.6
77	67.1	50.5	75.7





#52

Ethylbenzene

Concen: 1.093 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

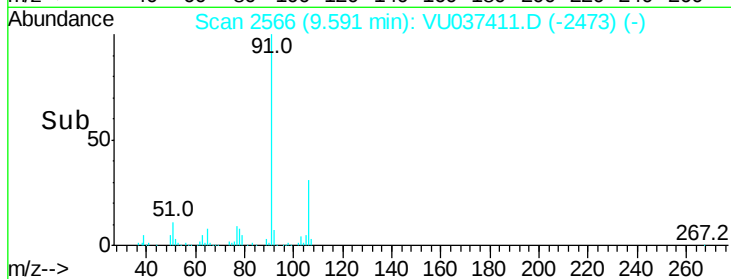
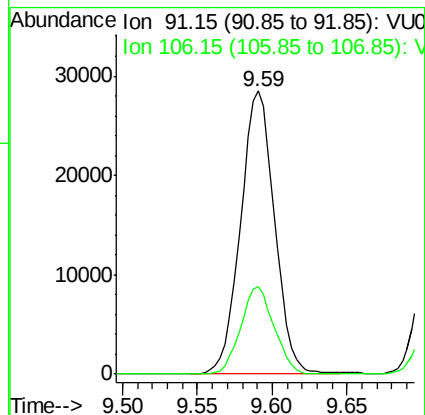
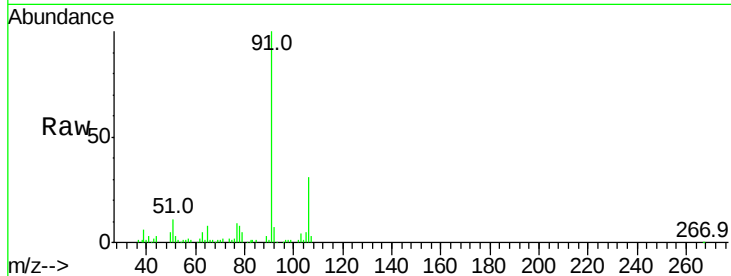
VSTD00103

Tgt Ion: 91 Resp: 45088

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#53

m,p-Xylene

Concen: 1.131 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037411.D

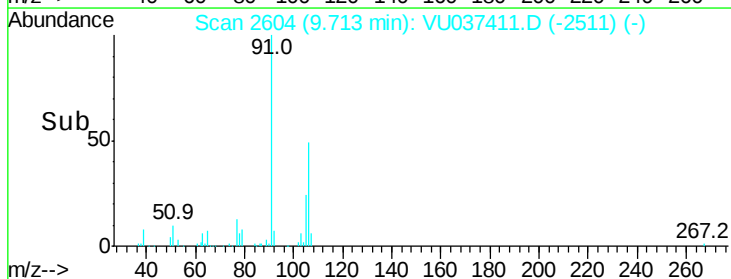
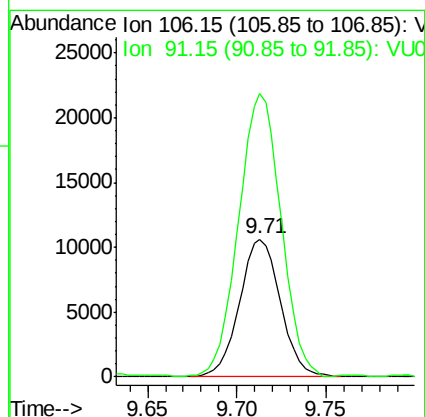
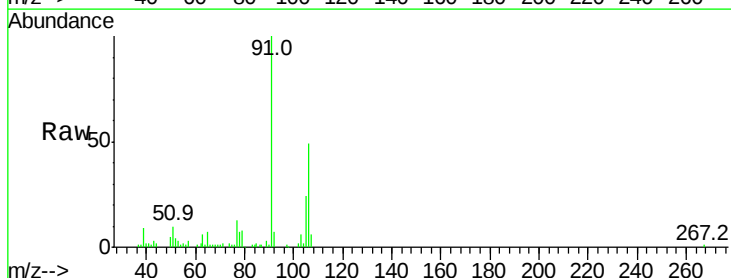
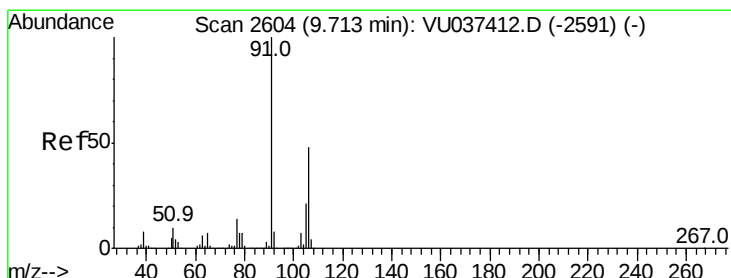
Acq: 28 Mar 2020 10:50

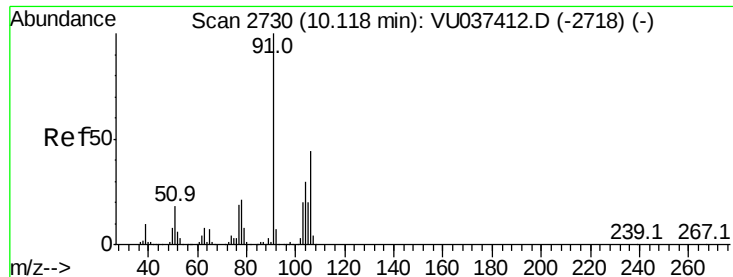
Tgt Ion: 106 Resp: 17025

Ion Ratio Lower Upper

106 100

91 205.3 147.3 273.6

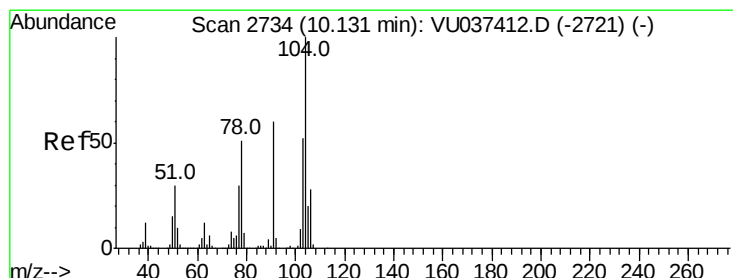
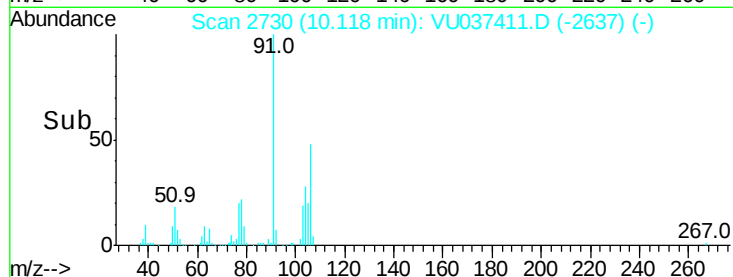
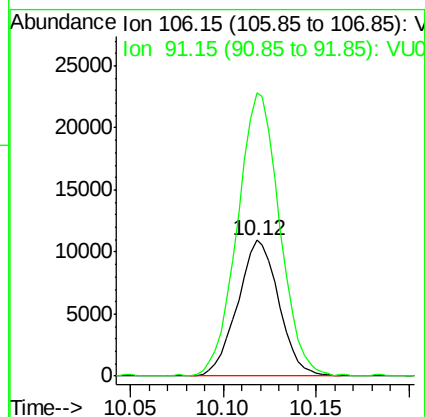
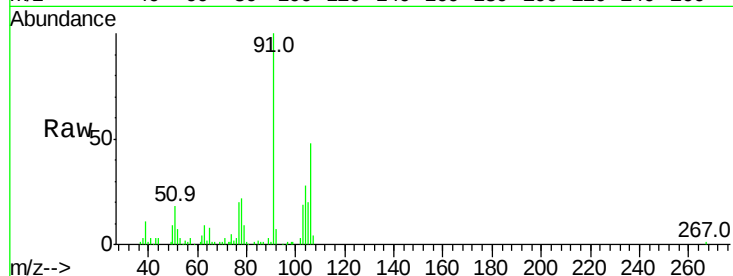




#54
o-Xylene
Concen: 1.150 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU037411.D
Acq: 28 Mar 2020 10:50

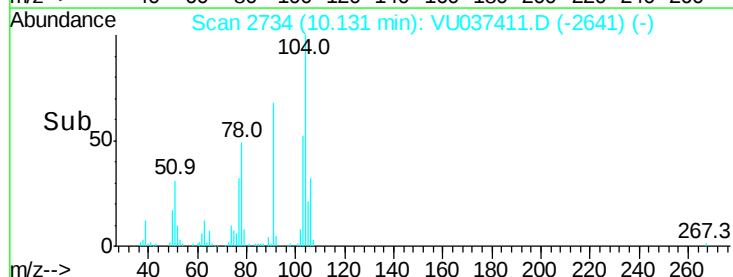
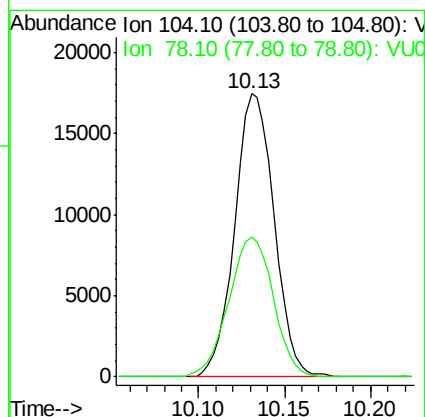
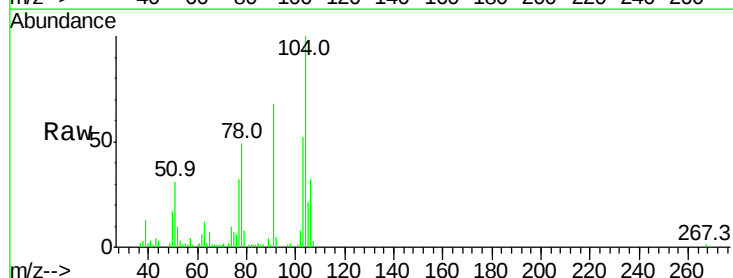
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

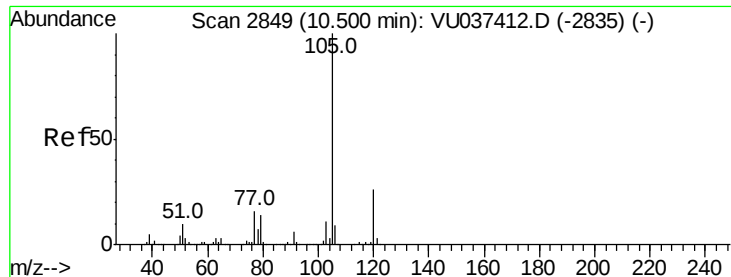
Tgt Ion:106 Resp: 16908
Ion Ratio Lower Upper
106 100
91 208.4 157.7 292.9



#55
Styrene
Concen: 1.139 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037411.D
Acq: 28 Mar 2020 10:50

Tgt Ion:104 Resp: 27915
Ion Ratio Lower Upper
104 100
78 49.4 35.8 66.6





#56

Isopropylbenzene

Concen: 1.101 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

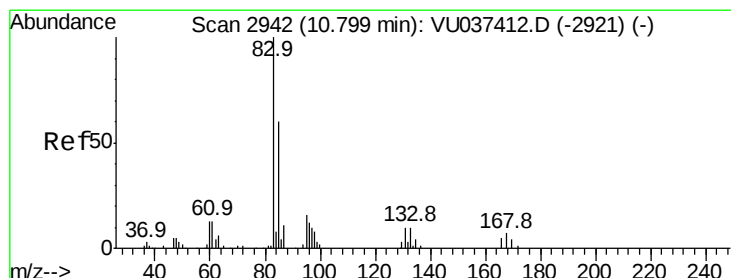
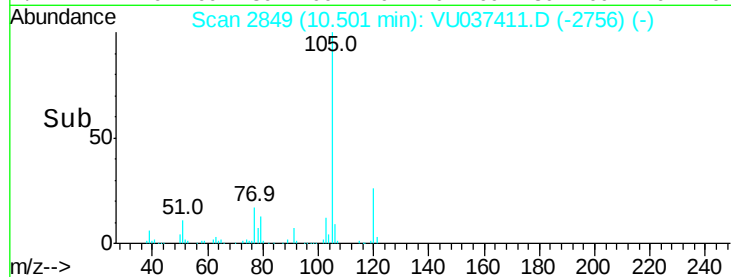
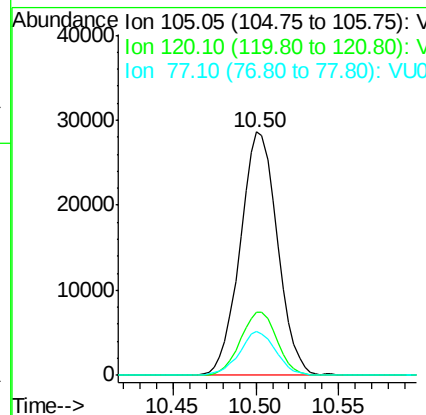
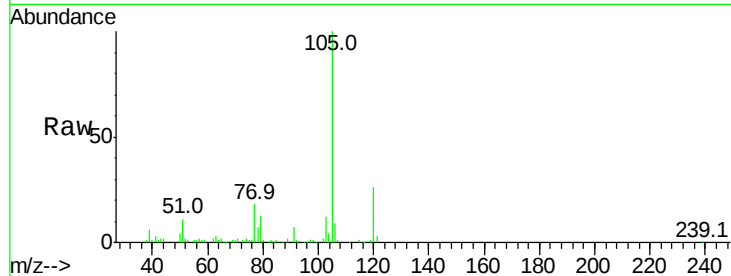
Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion:	105	Resp:	44657
Ion Ratio	Lower	Upper	
105	100		
120	25.5	21.0	31.4
77	17.4	13.4	20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 1.125 ug/L

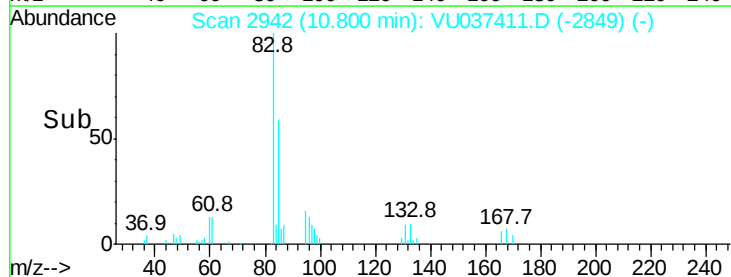
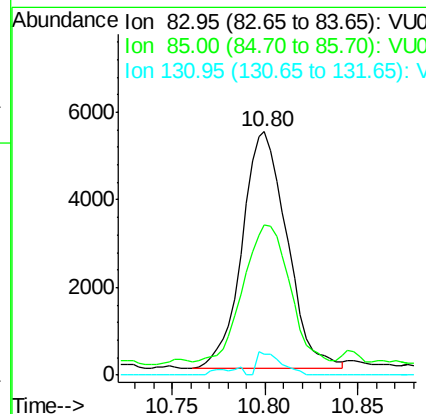
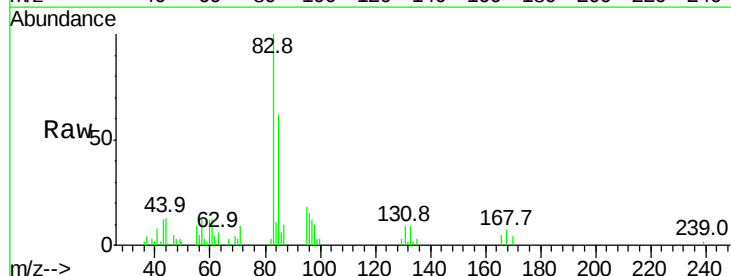
RT: 10.80 min Scan# 2942

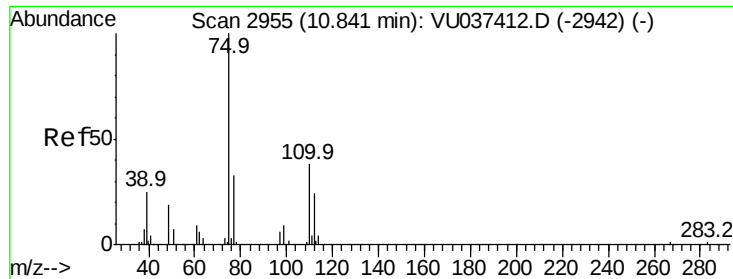
Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Tgt Ion:	83	Resp:	9097
Ion Ratio	Lower	Upper	
83	100		
85	61.6	42.9	79.7
131	8.6	8.1	12.1





#59

1,2,3-Trichloropropane

Concen: 1.082 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

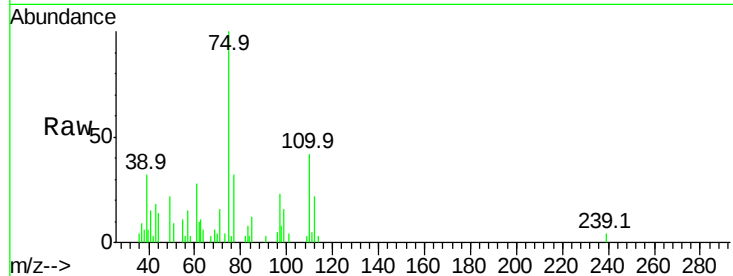
VSTD00103

Tgt Ion: 75 Resp: 6490

Ion Ratio Lower Upper

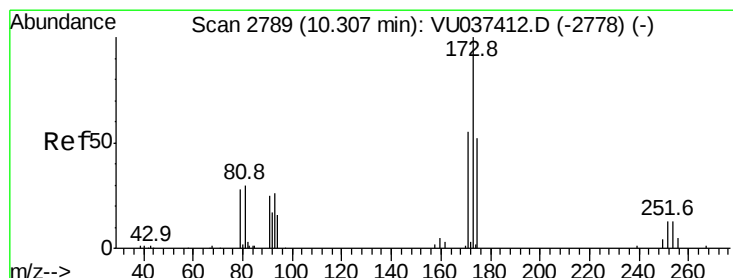
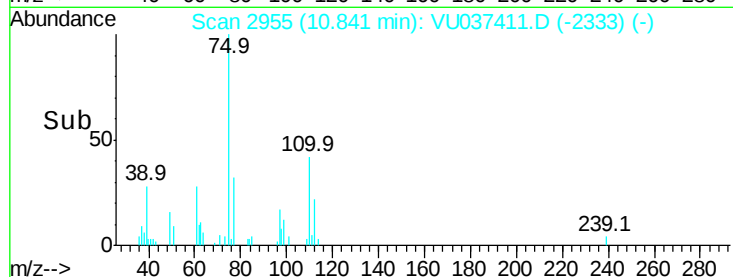
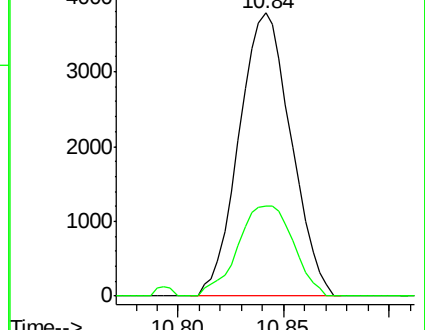
75 100

77 34.1 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU037411.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU037411.D (-2942) (-)



#61

Bromoform

Concen: 0.980 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

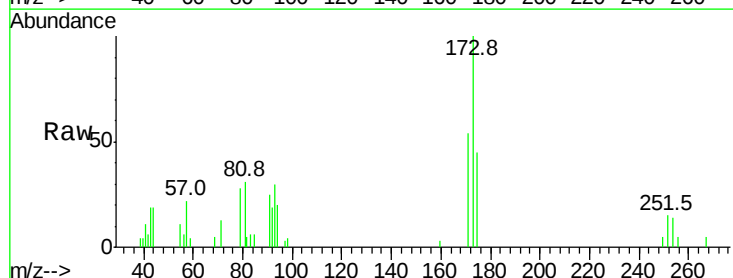
Tgt Ion: 173 Resp: 5135

Ion Ratio Lower Upper

173 100

175 48.0 40.2 60.4

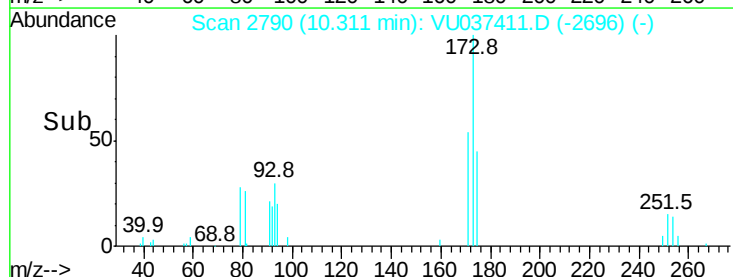
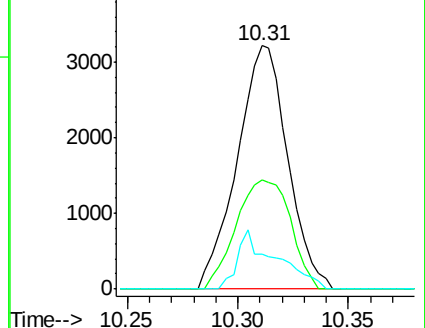
254 18.5 11.4 17.2#

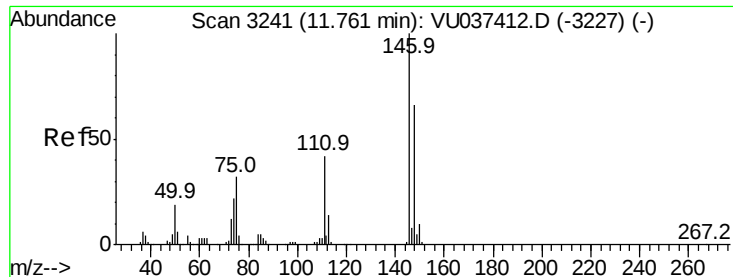


Abundance Ion 172.90 (172.60 to 173.60): VU037411.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU037411.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU037411.D (-2696) (-)

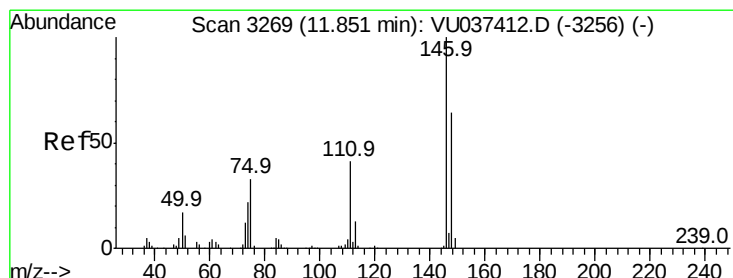
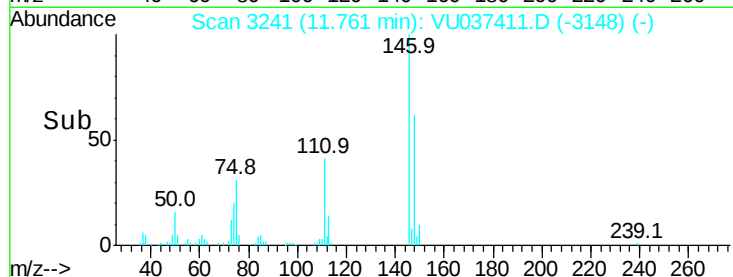
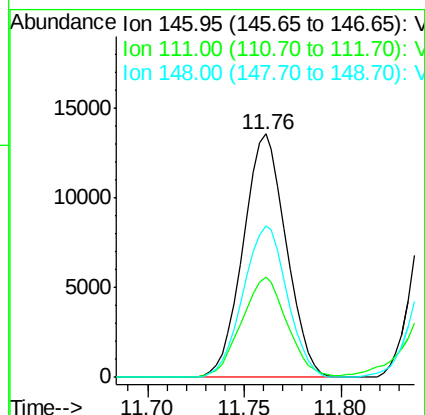
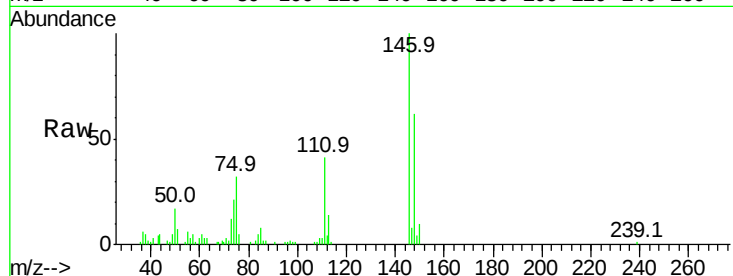




#62
 1,3-Dichlorobenzene
 Concen: 1.057 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

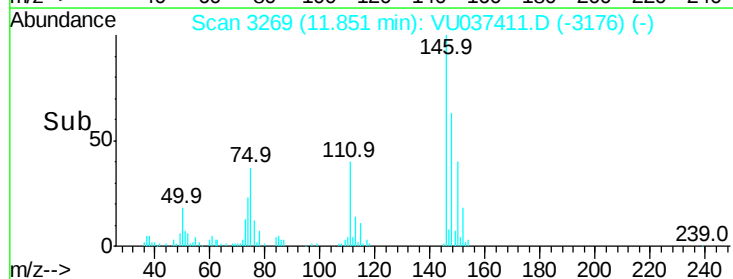
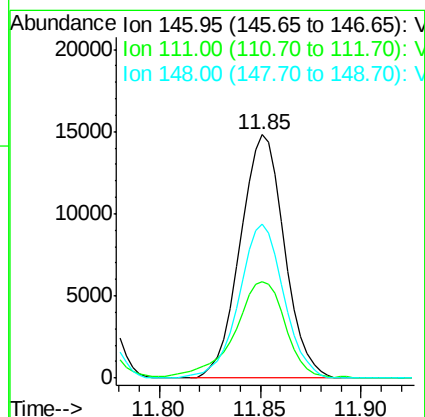
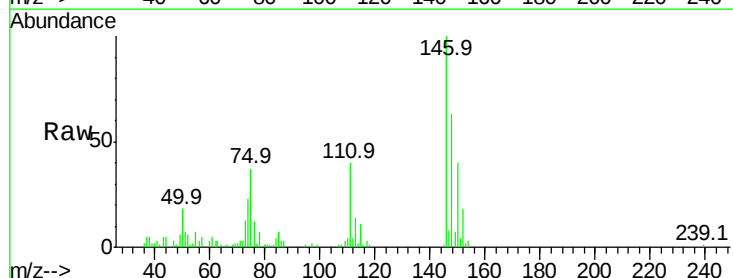
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

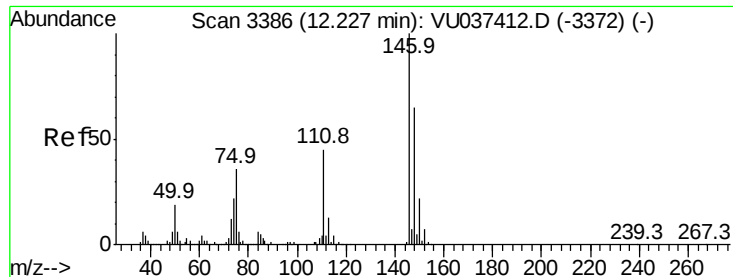
Tgt Ion:146 Resp: 20992
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.4 54.6
 148 62.4 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 1.135 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Tgt Ion:146 Resp: 22780
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.8 53.6
 148 63.3 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 1.088 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

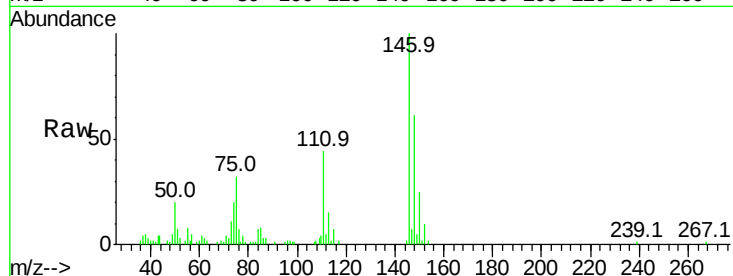
Tgt Ion:146 Resp: 20767

Ion Ratio Lower Upper

146 100

111 44.0 36.2 54.2

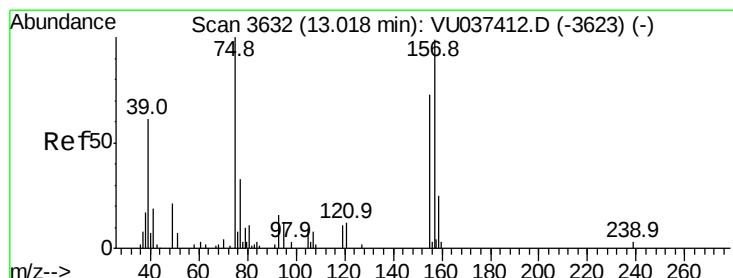
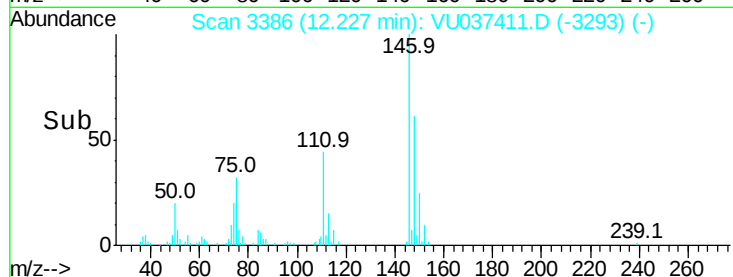
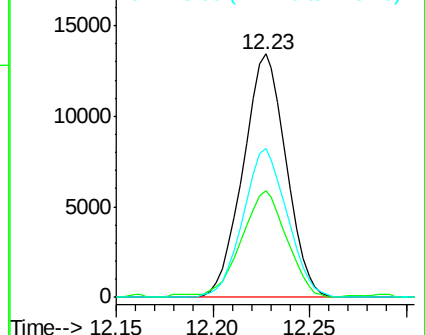
148 61.0 52.1 78.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.177 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

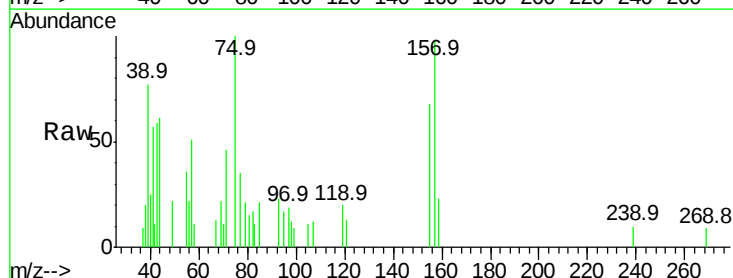
Tgt Ion: 75 Resp: 1727

Ion Ratio Lower Upper

75 100

155 68.2 56.0 84.0

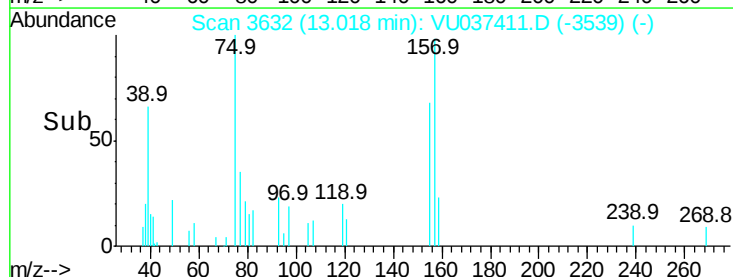
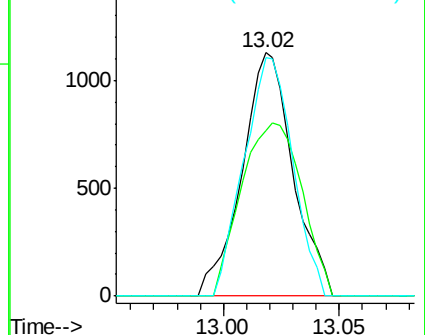
157 97.9 78.3 117.5

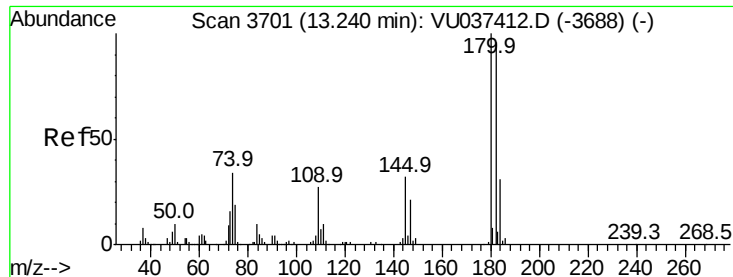


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

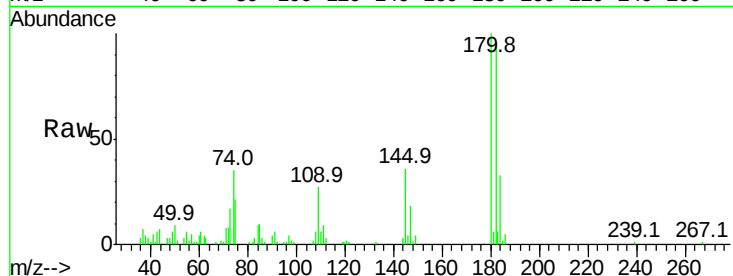




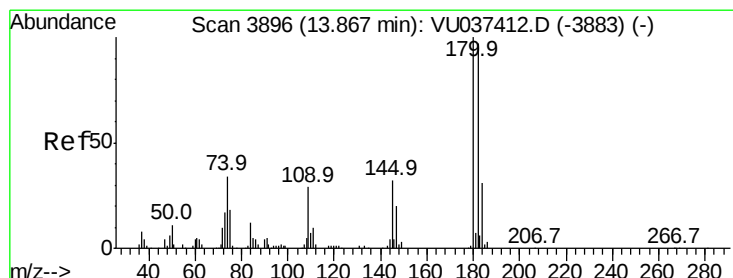
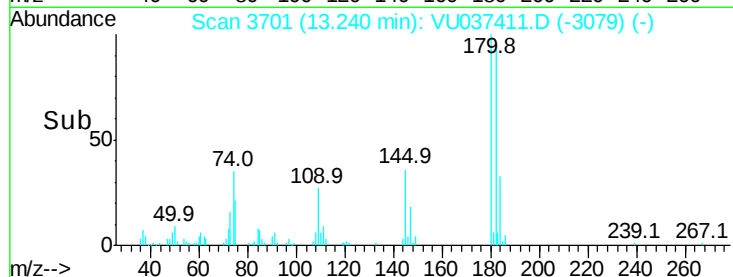
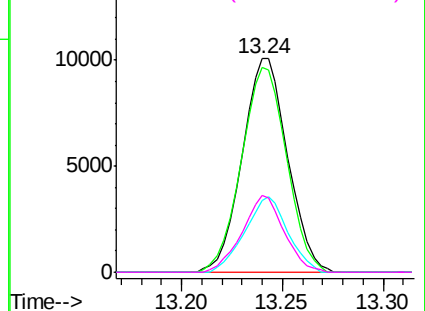
#67
 1,3,5-Trichlorobenzene
 Concen: 1.077 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:180	Resp:	15845
Ion Ratio	Lower	Upper
180	100	
182	95.4	77.7 116.5
184	33.4	24.6 36.8
145	33.3	25.7 38.5

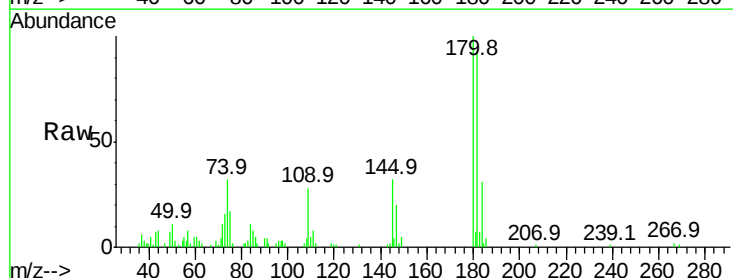


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

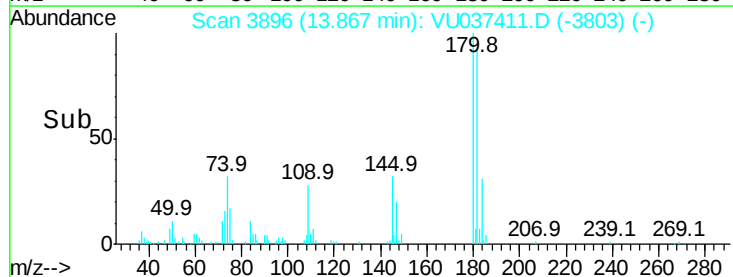
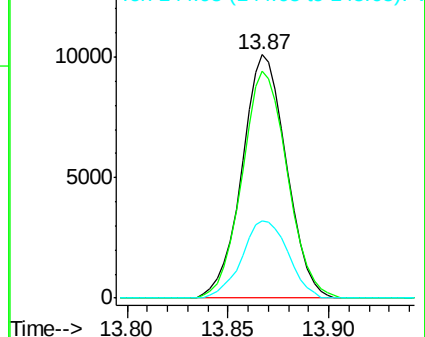


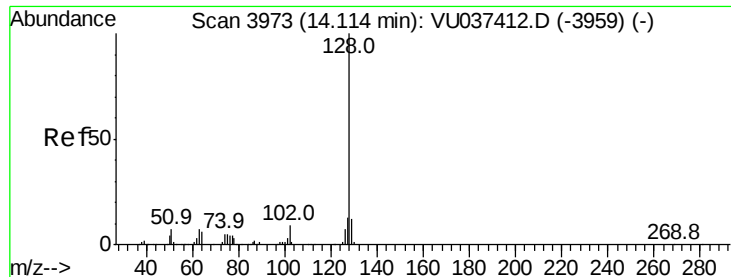
#68
 1,2,4-trichlorobenzene
 Concen: 1.447 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037411.D
 Acq: 28 Mar 2020 10:50

Tgt Ion:180	Resp:	15588
Ion Ratio	Lower	Upper
180	100	
182	94.9	75.8 113.6
145	32.9	25.5 38.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 2.055 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

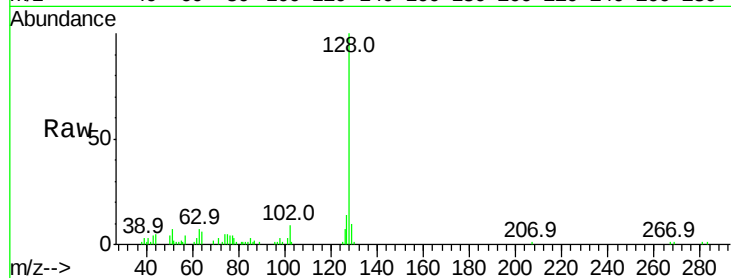
Tgt Ion:128 Resp: 30389

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

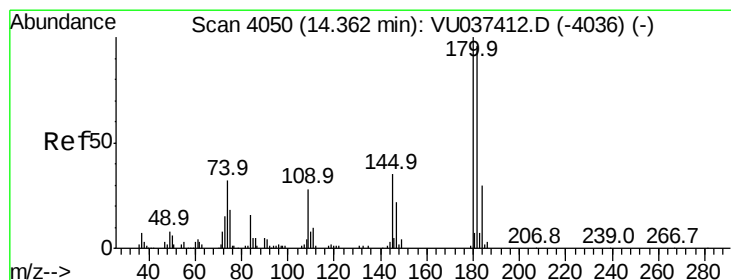
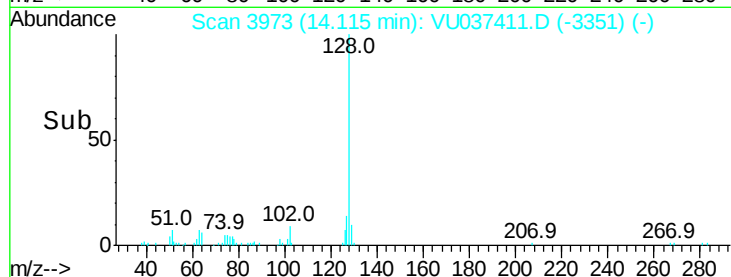
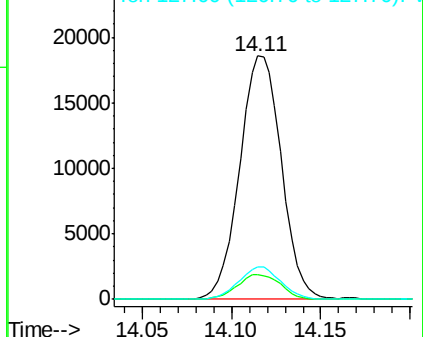
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.410 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037411.D

Acq: 28 Mar 2020 10:50

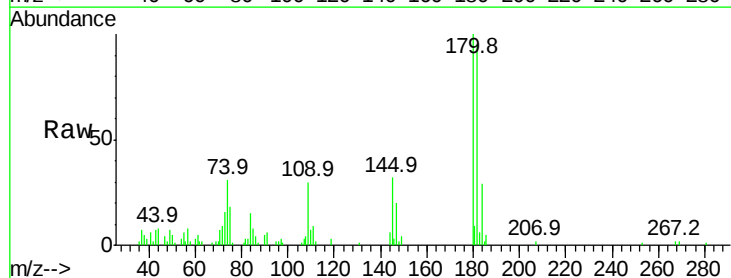
Tgt Ion:180 Resp: 14360

Ion Ratio Lower Upper

180 100

182 91.7 77.8 116.8

145 30.3 27.8 41.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

