

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027440.D
 Acq On : 05 Oct 2018 09:01
 Operator : MD/SY
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Quant Time: Oct 06 04:11:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	227784	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	218988	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105300	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	17485	9.75	ug/L	0.00
7) Chloroethane-d5	1.68	69	13993	10.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	32496	9.66	ug/L	0.00
21) 2-Butanone-d5	4.19	46	27058	18.70	ug/L	0.00
24) Chloroform-d	4.65	84	27307	9.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	20158	10.03	ug/L	0.00
32) Benzene-d6	5.34	84	60402	9.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	20357	9.47	ug/L	0.00
41) Toluene-d8	7.57	98	53769	9.58	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	9612	9.28	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	18739	17.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26496	9.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	19332	9.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	21158	9.366 ug/L	100
3) Chloromethane	1.33	50	24737	9.530 ug/L	99
5) Vinyl chloride	1.40	62	23894	9.420 ug/L	93
6) Bromomethane	1.63	94	10151	9.158 ug/L	94
8) Chloroethane	1.70	64	15308	10.071 ug/L	95
9) Trichlorofluoromethane	1.89	101	24244	9.549 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14174	9.404 ug/L	99
12) 1,1-Dichloroethene	2.29	96	13699	9.310 ug/L	84
13) Acetone	2.32	43	24486	20.629 ug/L	98
14) Carbon disulfide	2.48	76	49220	9.107 ug/L	99
15) Methyl Acetate	2.62	43	22491	9.456 ug/L	100
16) Methylene chloride	2.70	84	17007	9.517 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	15503	9.515 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	50843	9.385 ug/L	99
19) 1,1-Dichloroethane	3.45	63	32176	9.564 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	17059	9.438 ug/L	97
22) 2-Butanone	4.27	43	31735	18.678 ug/L	# 75
23) Bromochloromethane	4.56	128	7739	9.389 ug/L	95
25) Chloroform	4.68	83	32282	9.933 ug/L	99
27) 1,2-Dichloroethane	5.41	62	25524	9.778 ug/L	99
29) Cyclohexane	5.00	56	29375	8.844 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	24676	9.418 ug/L	99
31) Carbon tetrachloride	5.14	117	19890	9.025 ug/L	99
33) Benzene	5.40	78	67461	9.374 ug/L	100
34) Trichloroethene	6.19	95	16104	9.305 ug/L	97
35) Methylcyclohexane	6.42	83	25992	8.644 ug/L	96
37) 1,2-Dichloropropane	6.44	63	19501	9.353 ug/L	99
38) Bromodichloromethane	6.76	83	21860	9.227 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	26529	8.660 ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	54195	17.751 ug/L	98

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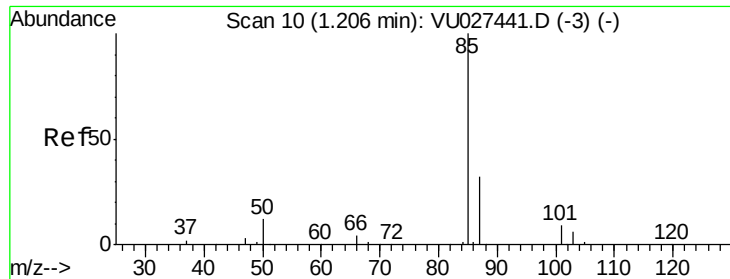
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	66972	9.275	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	25096	8.825	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	15793	9.436	ug/L	96
46) Tetrachloroethene	8.23	164	11688	9.087	ug/L	99
48) 2-Hexanone	8.37	43	43071	17.866	ug/L	98
49) Dibromochloromethane	8.48	129	15756	9.028	ug/L	100
50) 1,2-Dibromoethane	8.59	107	16504	9.295	ug/L	97
51) Chlorobenzene	9.12	112	42621	9.337	ug/L	99
52) Ethylbenzene	9.25	91	71930	8.972	ug/L	99
53) m,p-Xylene	9.38	106	26593	9.062	ug/L	93
54) o-xylene	9.78	106	25479	9.013	ug/L	96
55) Styrene	9.79	104	41751	8.625	ug/L	98
56) Isopropylbenzene	10.17	105	67239	9.076	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	27533	9.389	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	22057	9.344	ug/L	99
61) Bromoform	9.96	173	10782	9.011	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	29573	9.024	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	32153	9.406	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	30948	9.276	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	5661	9.154	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	22226	8.778	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	19483	8.367	ug/L	100
69) Naphthalene	13.75	128	58088	8.090	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	20911	8.831	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.366 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

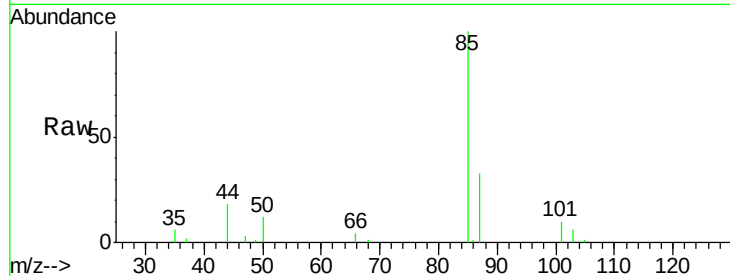
VSTD01052

Tgt Ion: 85 Resp: 21158

Ion Ratio Lower Upper

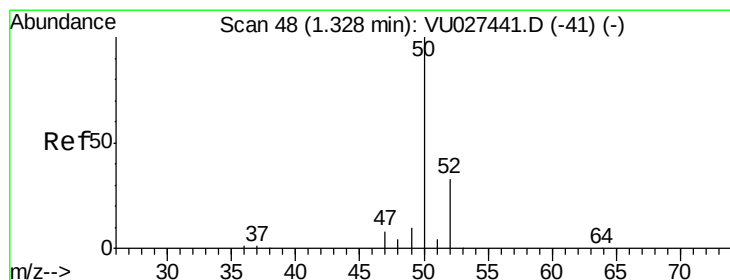
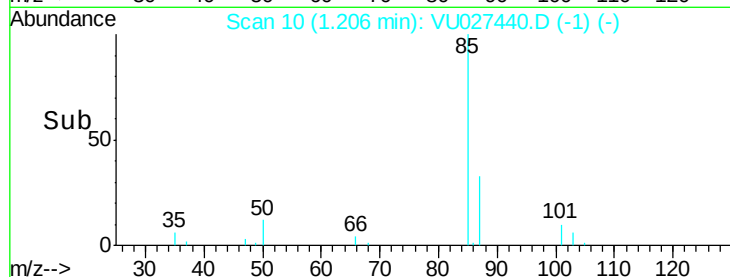
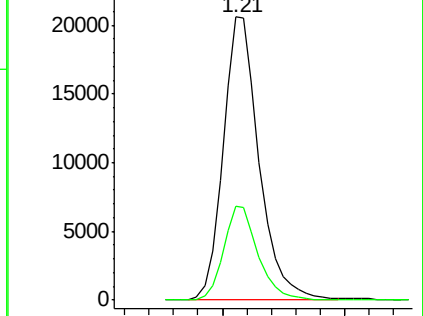
85 100

87 31.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU027441.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027441.D (-3) (-)



#3

Chloromethane

Concen: 9.530 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027440.D

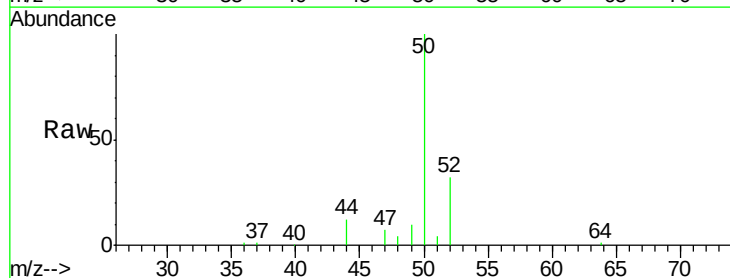
Acq: 05 Oct 2018 09:01

Tgt Ion: 50 Resp: 24737

Ion Ratio Lower Upper

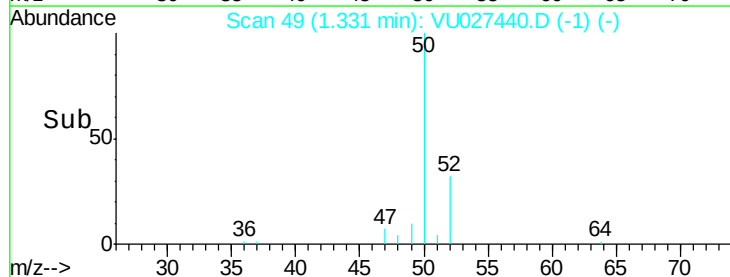
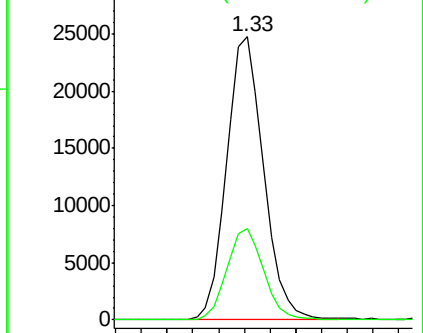
50 100

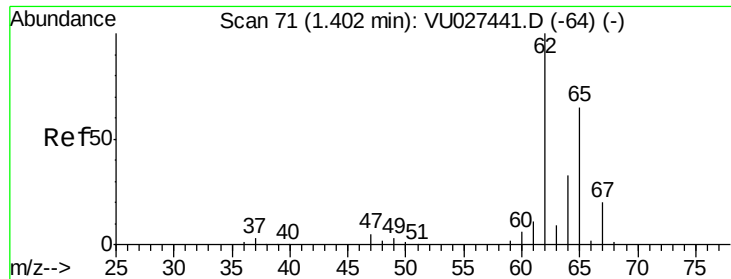
52 32.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU027441.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU027441.D (-41) (-)





#5

Vinyl chloride

Concen: 9.420 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

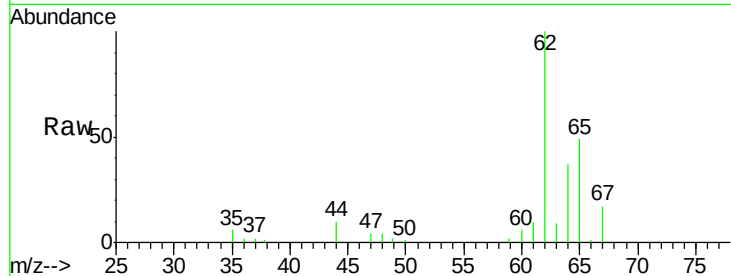
VSTD01052

Tgt Ion: 62 Resp: 23894

Ion Ratio Lower Upper

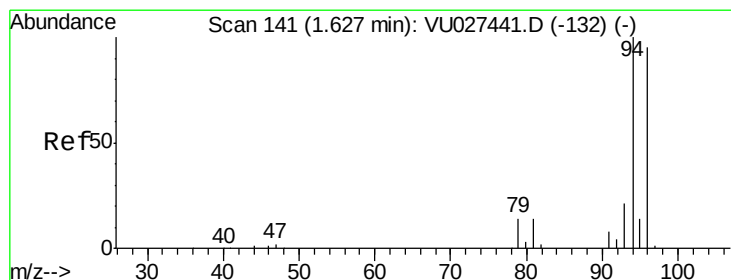
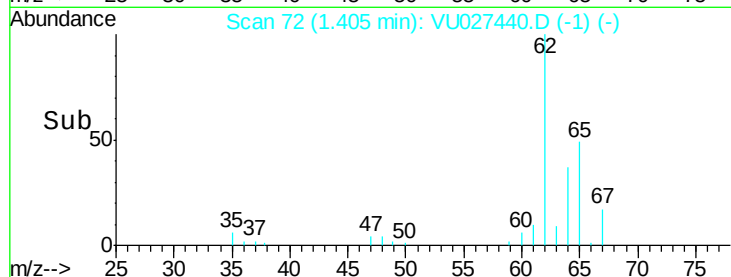
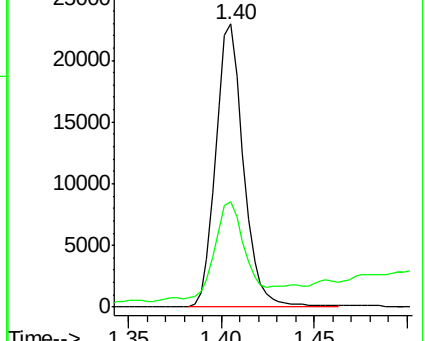
62 100

64 37.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 9.158 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.01 min

Lab File: VU027440.D

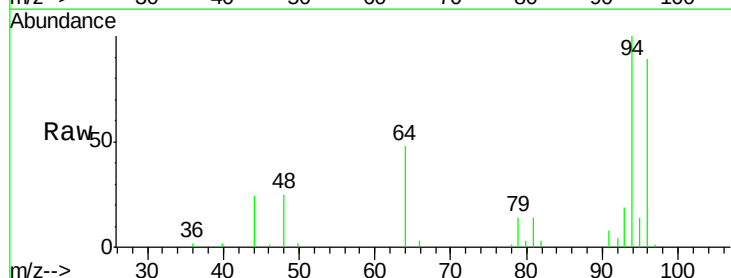
Acq: 05 Oct 2018 09:01

Tgt Ion: 94 Resp: 10151

Ion Ratio Lower Upper

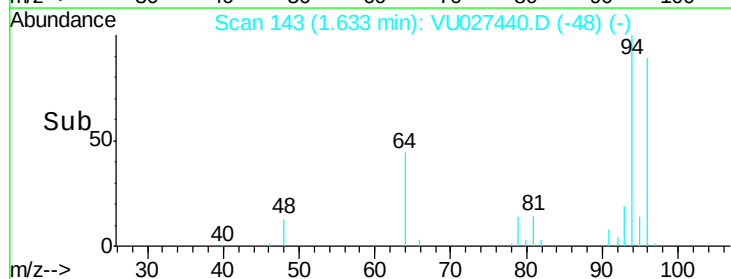
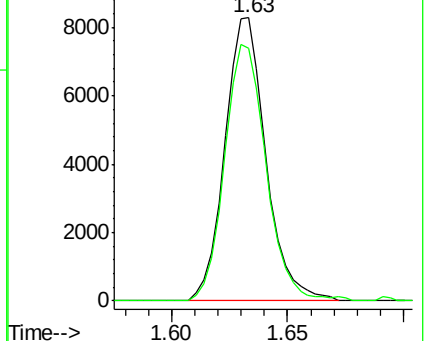
94 100

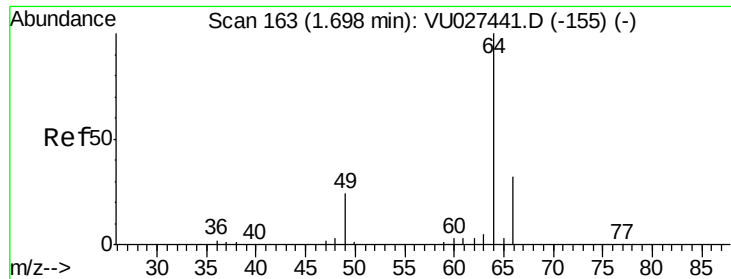
96 89.5 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 10.071 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

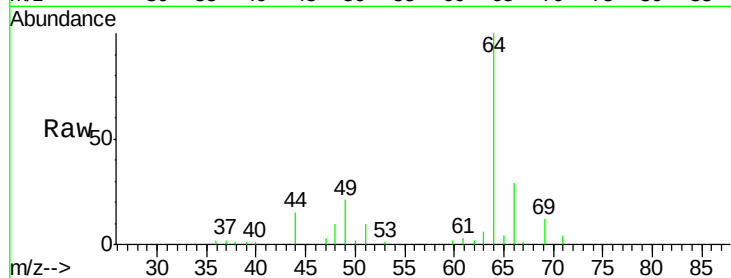
VSTD01052

Tgt Ion: 64 Resp: 15308

Ion Ratio Lower Upper

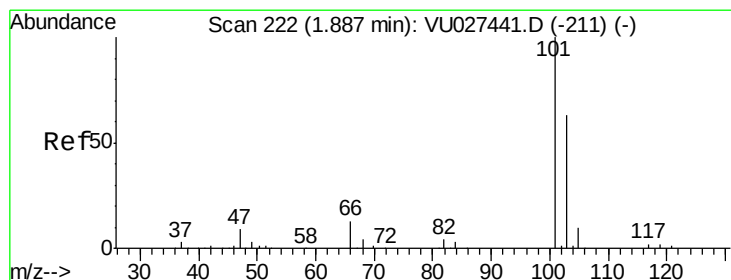
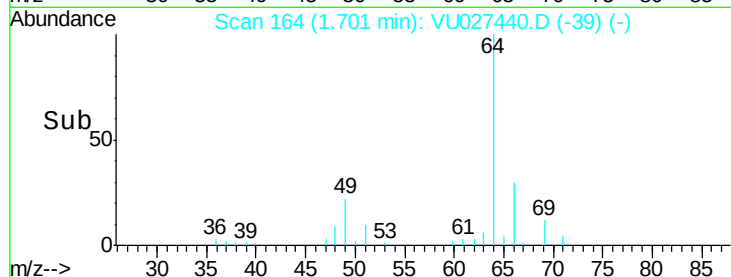
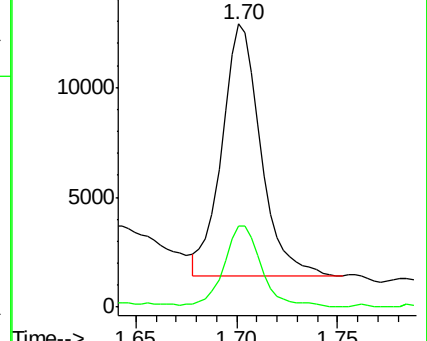
64 100

66 28.7 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027440.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027440.D (-155) (-)



#9

Trichlorofluoromethane

Concen: 9.549 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027440.D

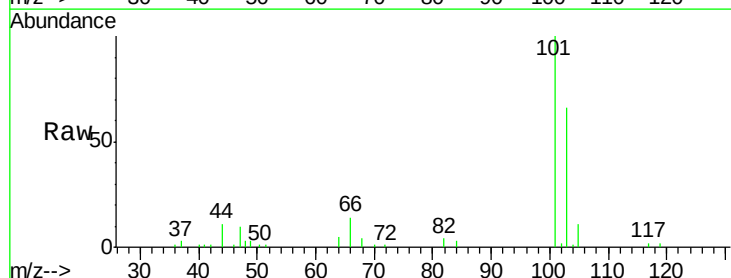
Acq: 05 Oct 2018 09:01

Tgt Ion: 101 Resp: 24244

Ion Ratio Lower Upper

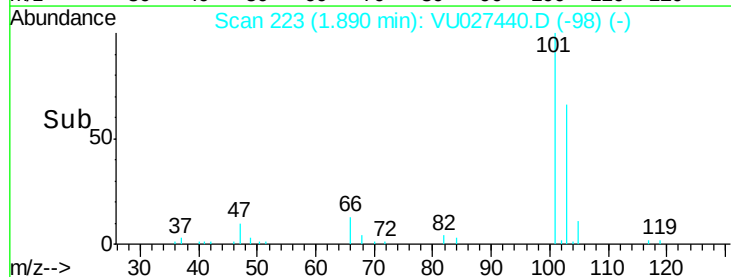
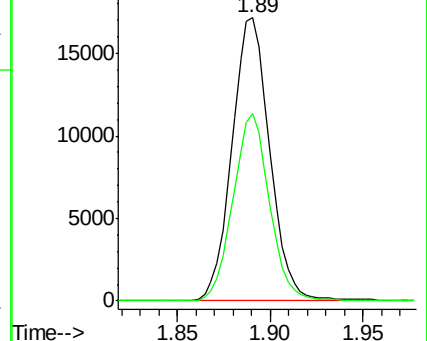
101 100

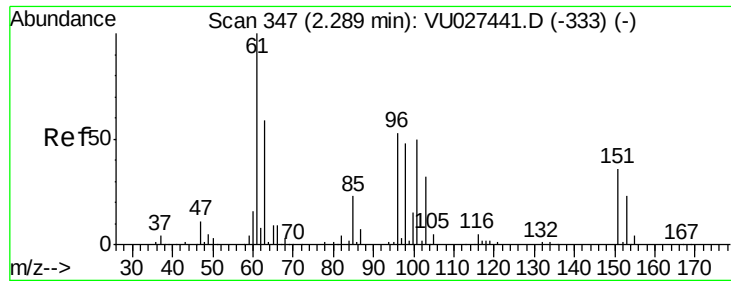
103 63.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027440.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027440.D (-211) (-)





#10

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

Concen: 9.404 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

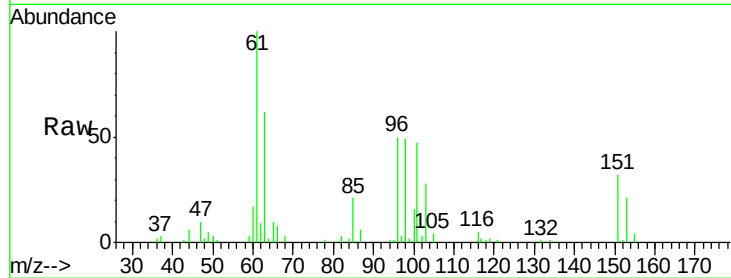
Tgt Ion:101 Resp: 14174

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

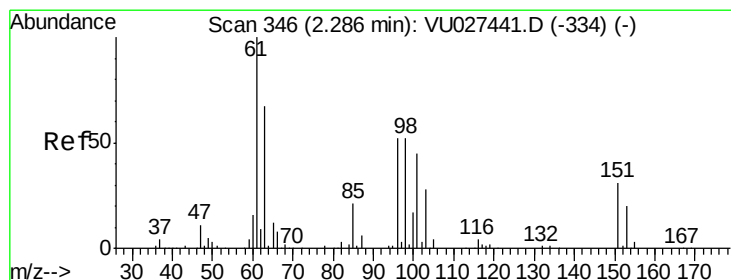
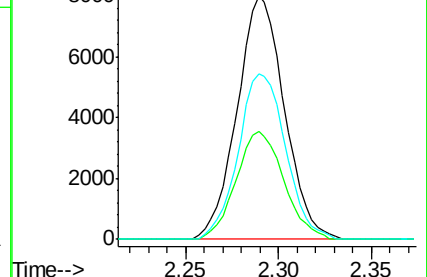
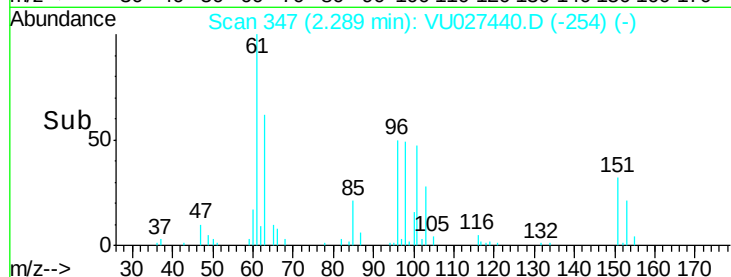
151 68.3 55.7 83.5



Abundance Ion 101.00 (100.70 to 101.70): VU027440.D (-254) (-)

Ion 85.00 (84.70 to 85.70): VU027440.D (-254) (-)

Ion 151.00 (150.70 to 151.70): VU027440.D (-254) (-)



#12

1,1-Dichloroethene

Concen: 9.310 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

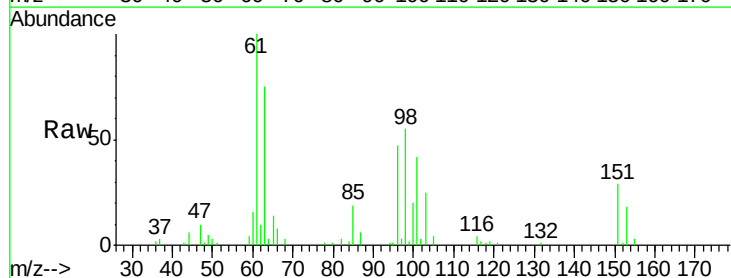
Tgt Ion: 96 Resp: 13699

Ion Ratio Lower Upper

96 100

61 210.9 135.2 251.0

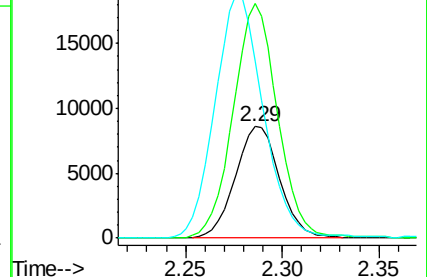
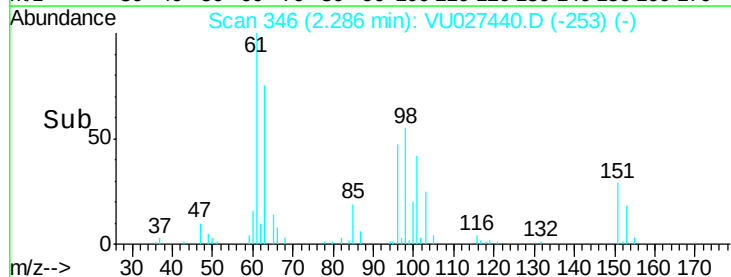
63 159.2 94.3 175.1

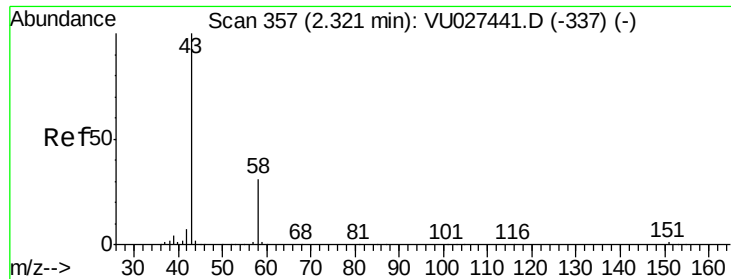


Abundance Ion 96.00 (95.70 to 96.70): VU027440.D (-253) (-)

Ion 61.00 (60.70 to 61.70): VU027440.D (-253) (-)

Ion 63.00 (62.70 to 63.70): VU027440.D (-253) (-)





#13

Acetone

Concen: 20.629 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

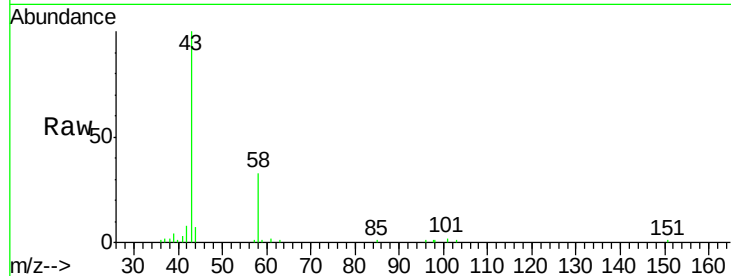
VSTD01052

Tgt Ion: 43 Resp: 24486

Ion Ratio Lower Upper

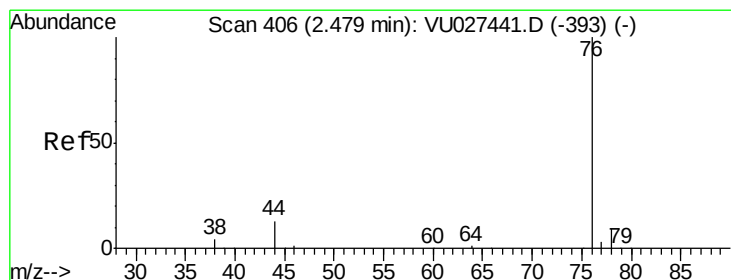
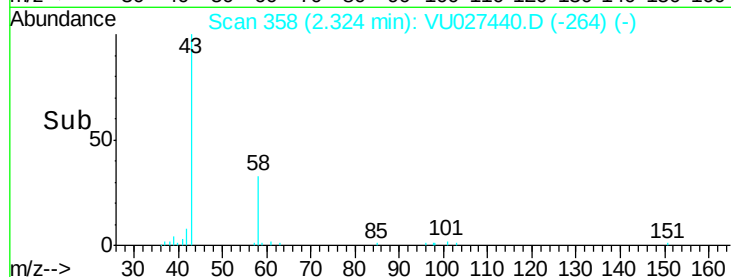
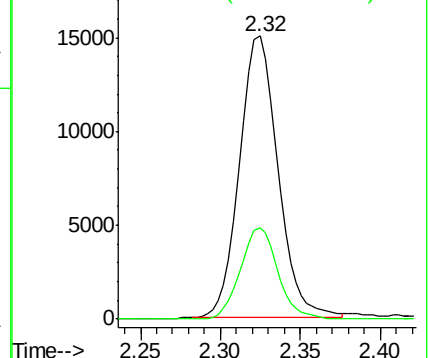
43 100

58 31.7 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 9.107 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027440.D

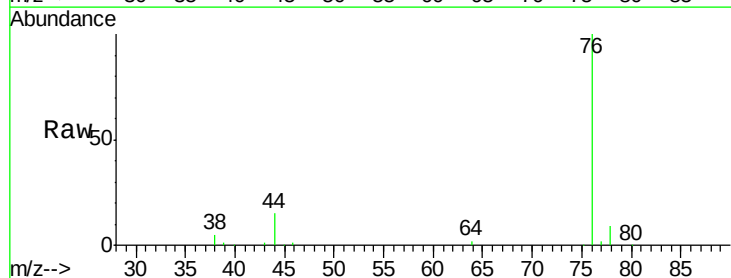
Acq: 05 Oct 2018 09:01

Tgt Ion: 76 Resp: 49220

Ion Ratio Lower Upper

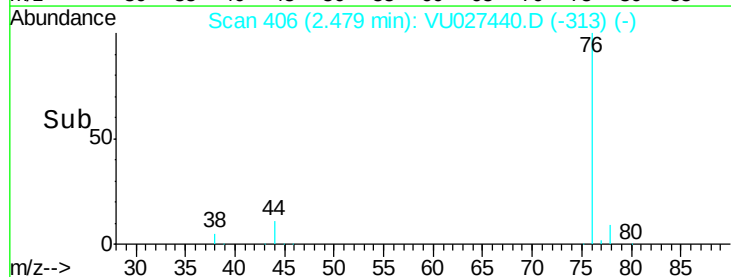
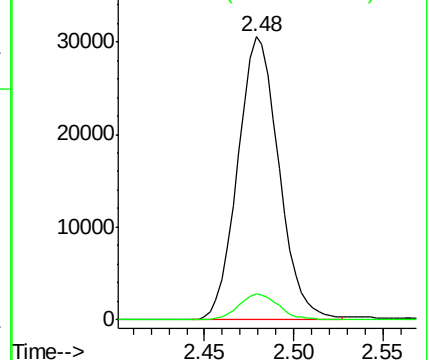
76 100

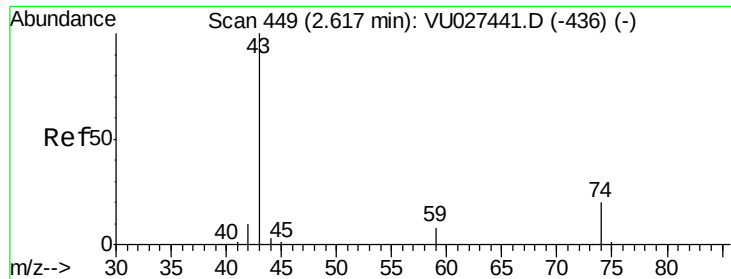
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 9.456 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

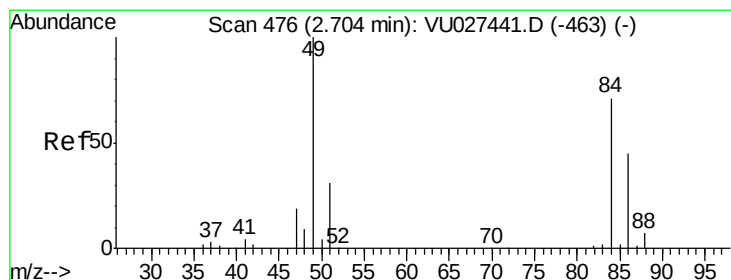
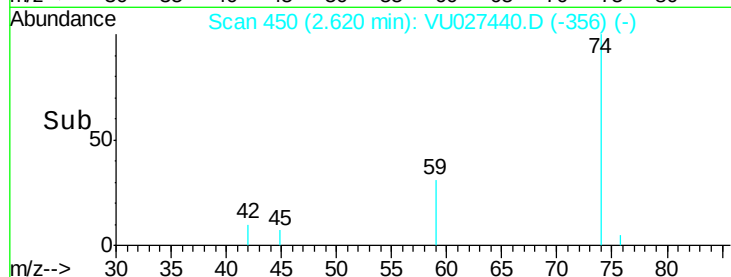
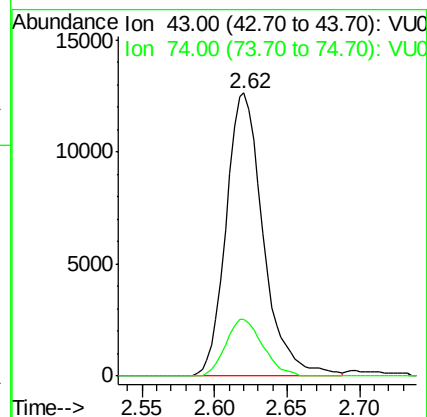
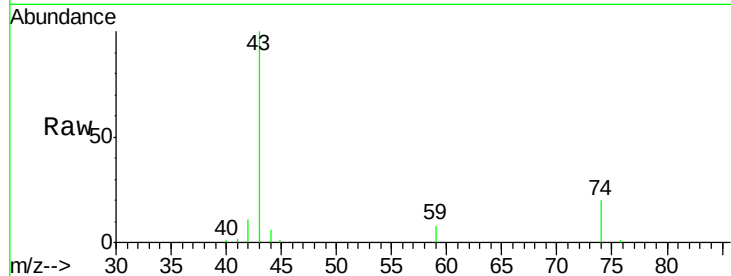
VSTD01052

Tgt Ion: 43 Resp: 22491

Ion Ratio Lower Upper

43 100

74 19.8 16.0 24.0



#16

Methylene chloride

Concen: 9.517 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

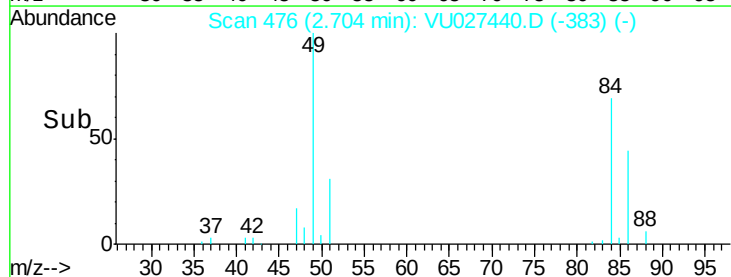
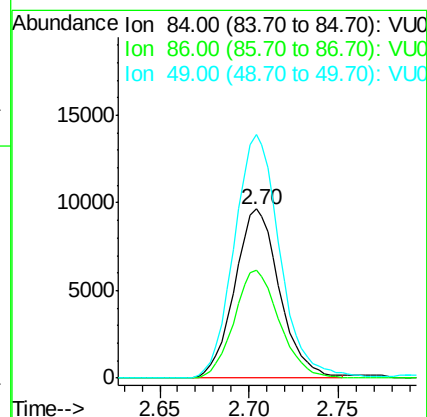
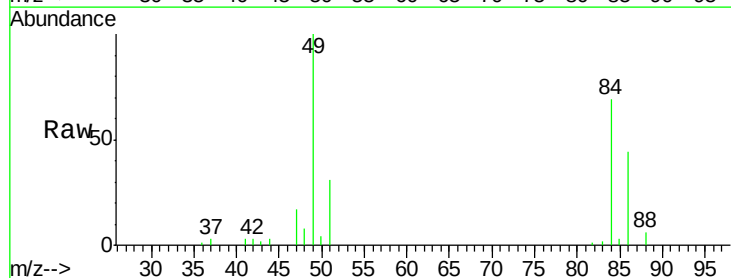
Tgt Ion: 84 Resp: 17007

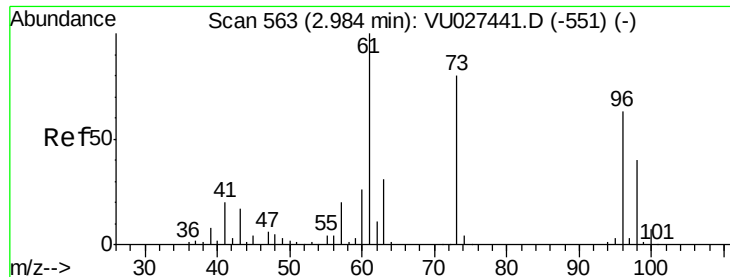
Ion Ratio Lower Upper

84 100

86 63.9 44.6 82.8

49 144.2 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 9.515 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

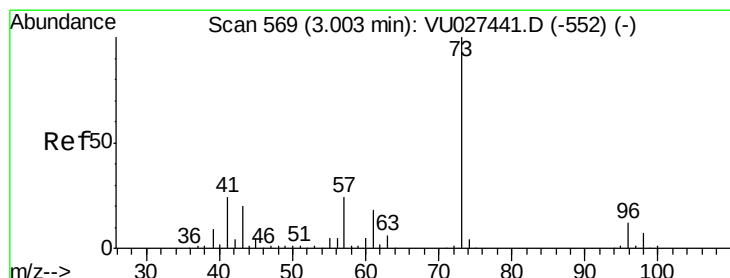
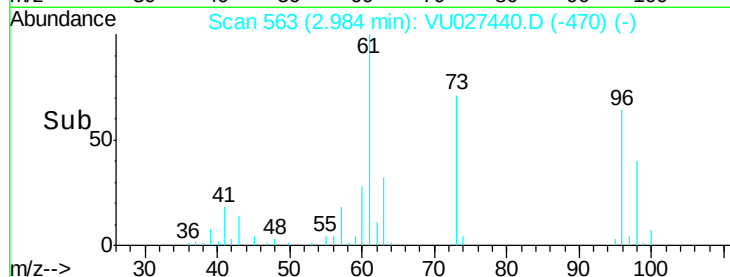
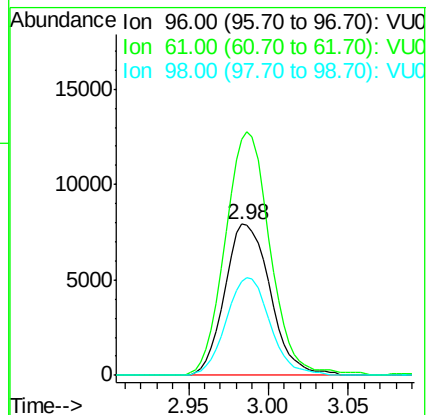
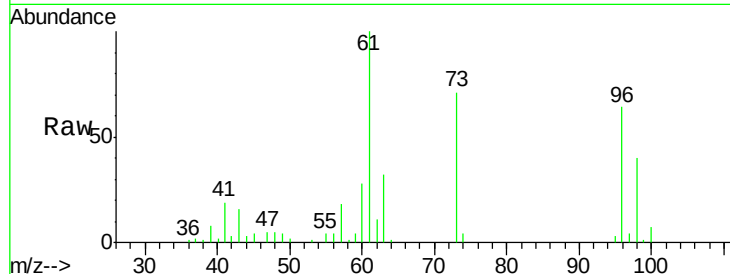
Tgt Ion: 96 Resp: 15503

Ion Ratio Lower Upper

96 100

61 156.1 110.9 205.9

98 61.7 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 9.385 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

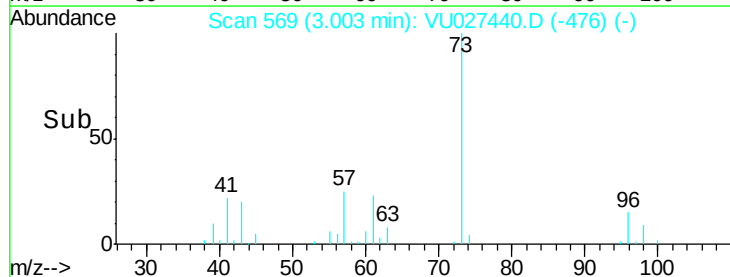
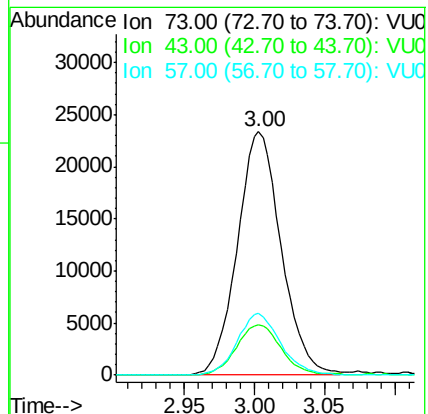
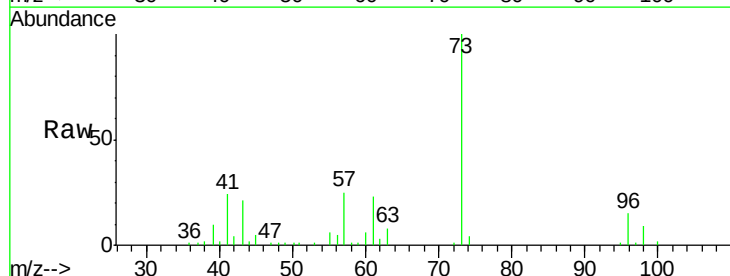
Tgt Ion: 73 Resp: 50843

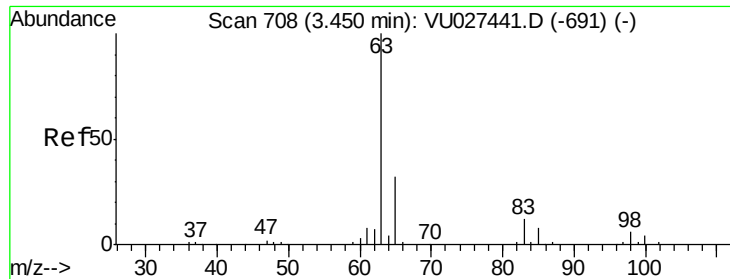
Ion Ratio Lower Upper

73 100

43 21.3 16.5 24.7

57 24.9 19.4 29.0

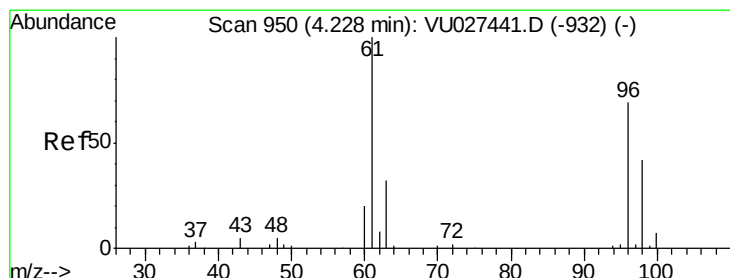
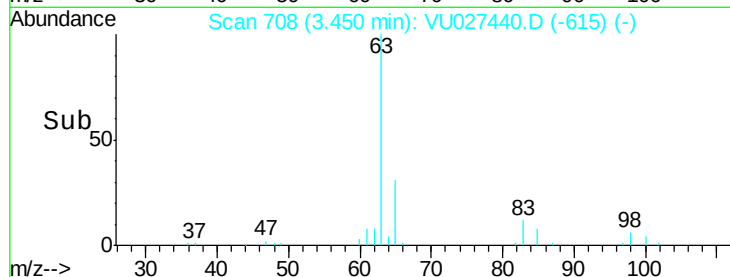
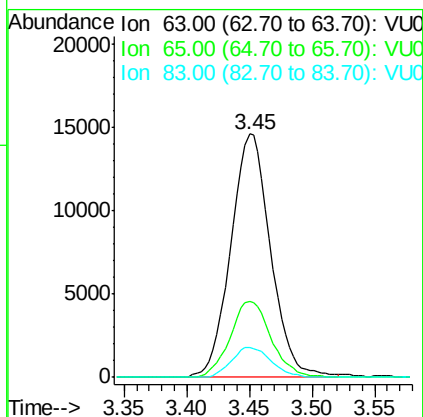
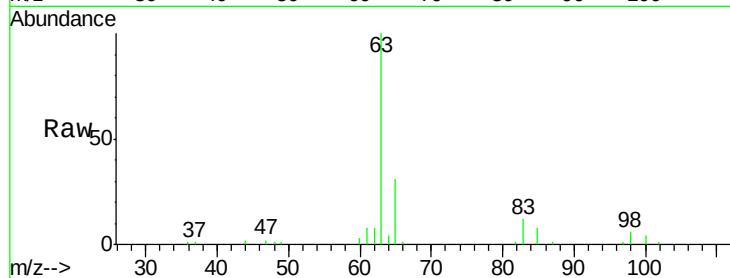




#19
 1,1-Dichloroethane
 Concen: 9.564 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

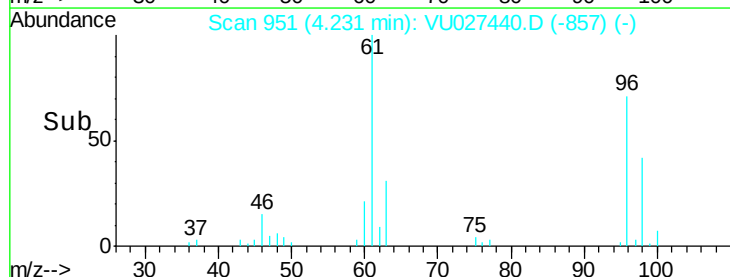
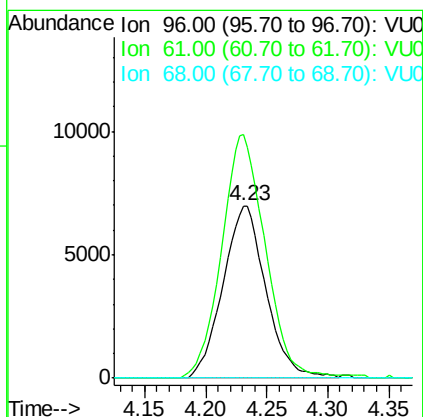
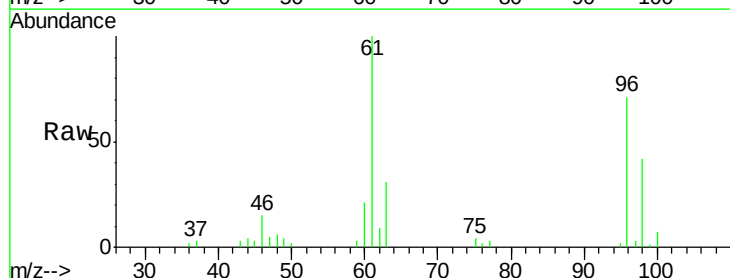
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

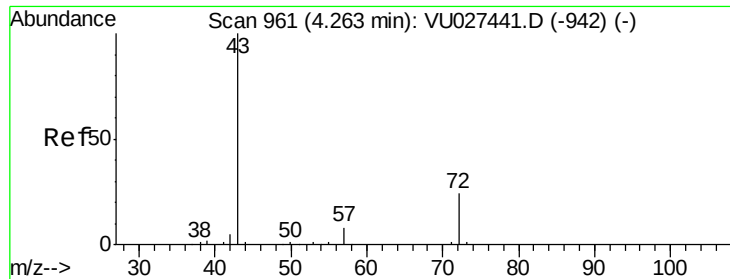
Tgt Ion: 63 Resp: 32176
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.3
 83 12.4 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 9.438 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Tgt Ion: 96 Resp: 17059
 Ion Ratio Lower Upper
 96 100
 61 141.6 102.0 189.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 18.678 ug/L

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

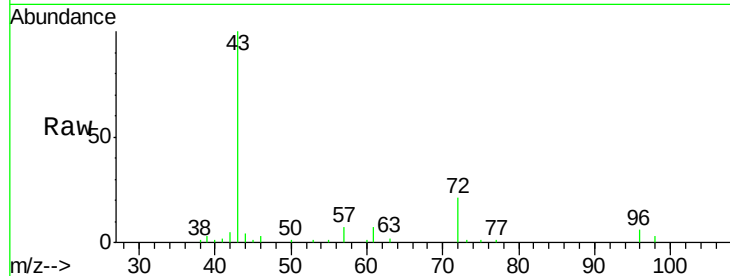
VSTD01052

Tgt Ion: 43 Resp: 31735

Ion Ratio Lower Upper

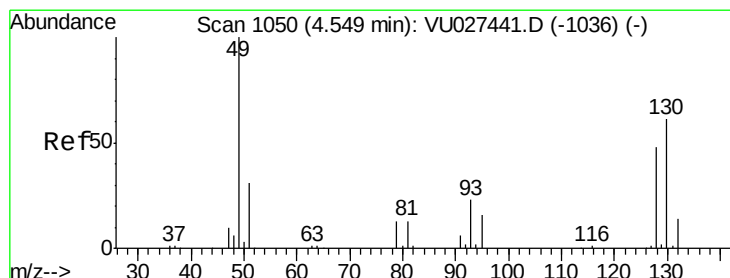
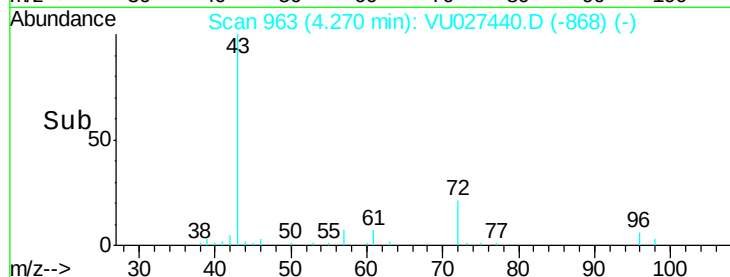
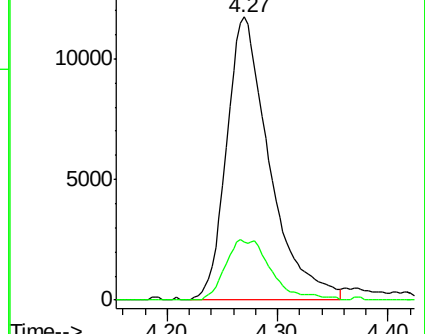
43 100

72 11.3 11.9 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VU027440.D (-963) (-)

Ion 72.00 (71.70 to 72.70): VU027440.D (-963) (-)



#23

Bromochloromethane

Concen: 9.389 ug/L

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Tgt Ion: 128 Resp: 7739

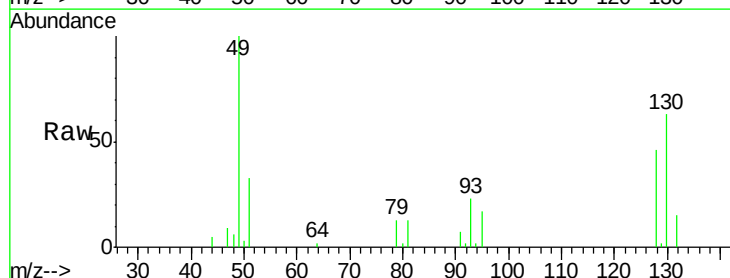
Ion Ratio Lower Upper

128 100

49 215.6 146.9 272.7

130 135.8 89.2 165.6

51 70.7 52.2 78.4

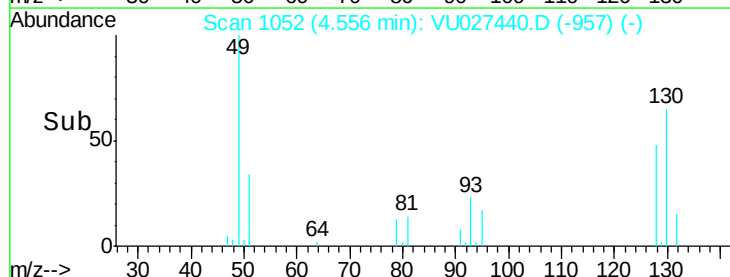
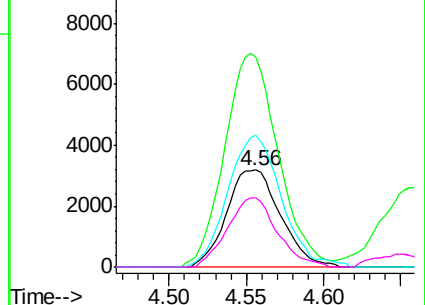


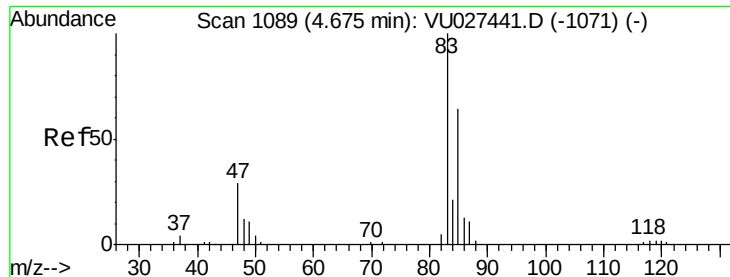
Abundance Ion 128.00 (127.70 to 128.70): VU027440.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU027440.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU027440.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU027440.D (-1052) (-)

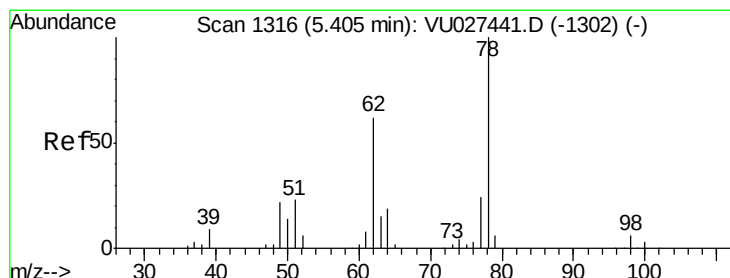
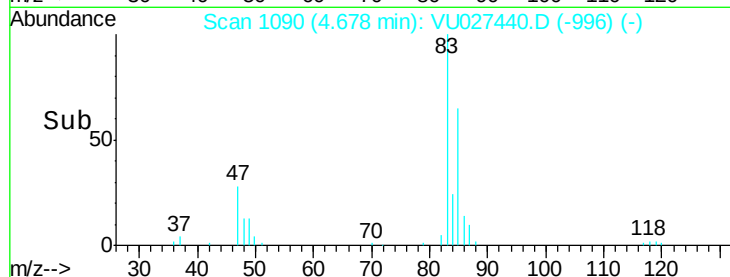
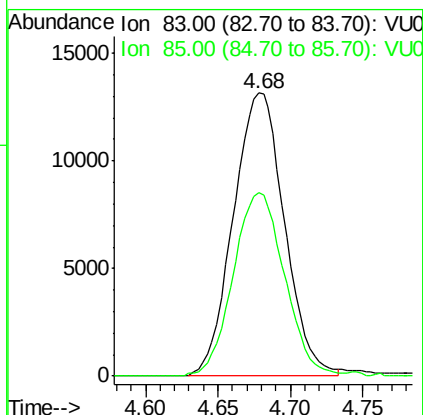
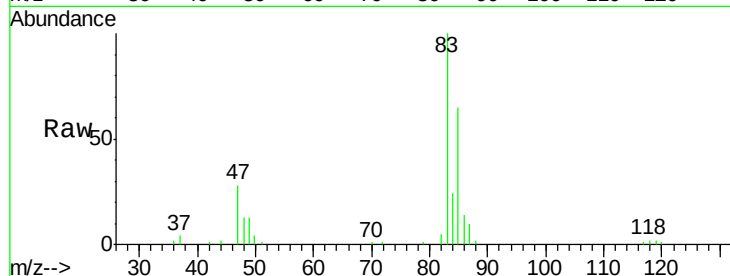




#25
Chloroform
Concen: 9.933 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

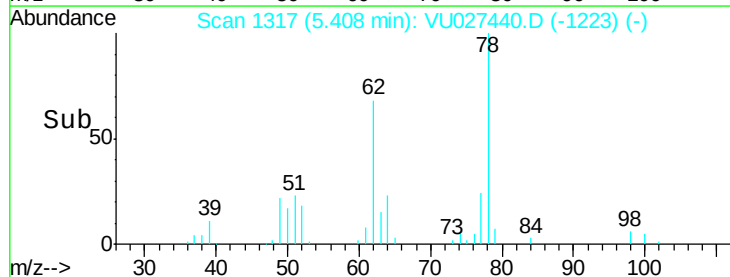
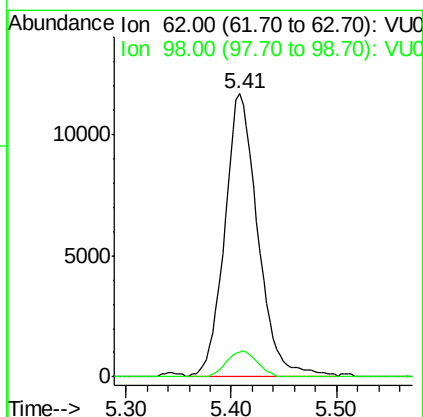
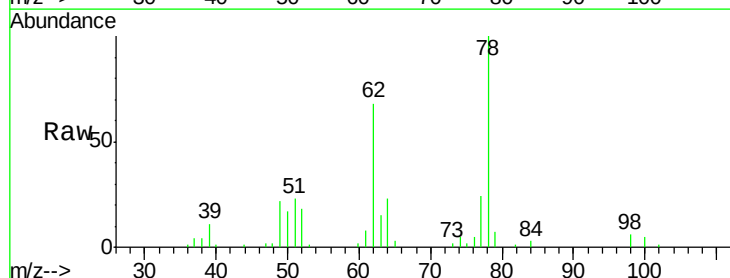
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

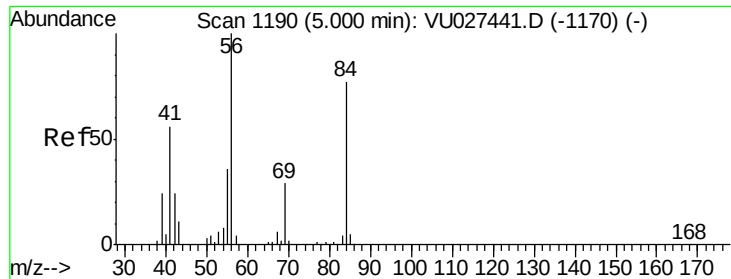
Tgt Ion: 83 Resp: 32282
Ion Ratio Lower Upper
83 100
85 65.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 9.778 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Tgt Ion: 62 Resp: 25524
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7

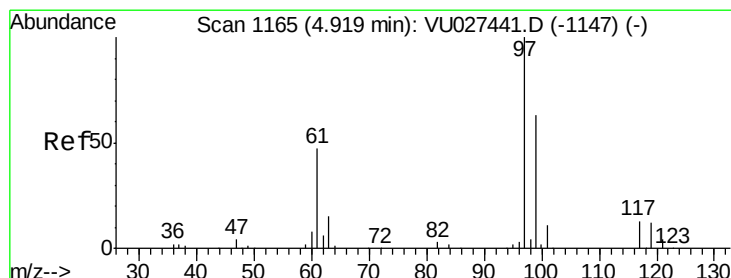
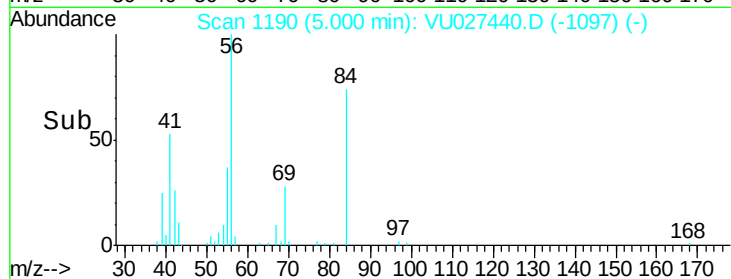
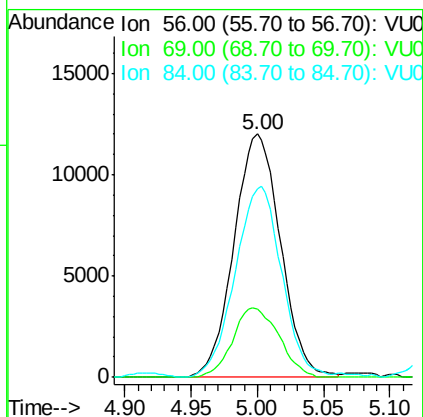
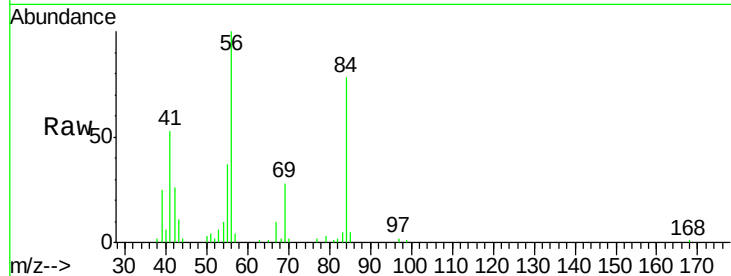




#29
Cyclohexane
Concen: 8.844 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

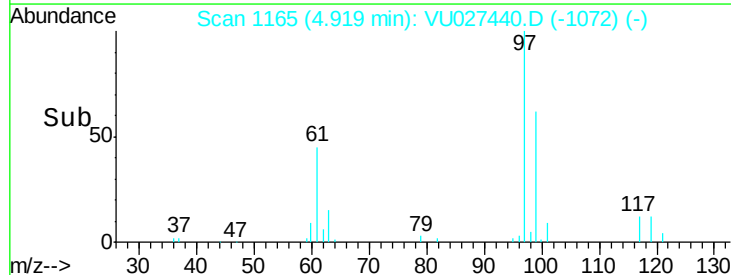
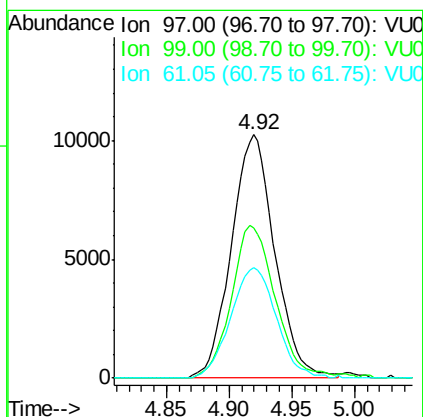
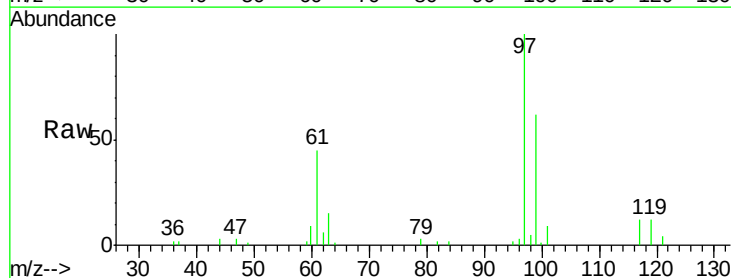
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

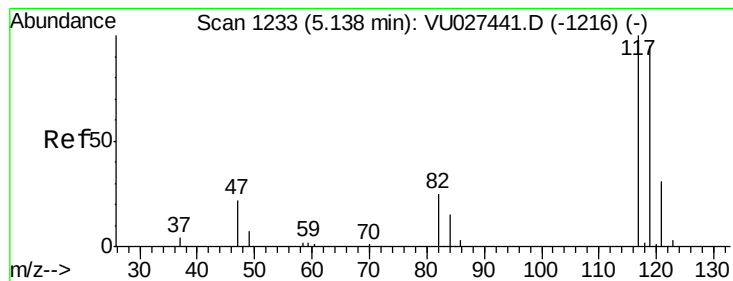
Tgt Ion: 56 Resp: 29375
Ion Ratio Lower Upper
56 100
69 28.4 22.5 33.7
84 78.2 60.9 91.3



#30
1,1,1-Trichloroethane
Concen: 9.418 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Tgt Ion: 97 Resp: 24676
Ion Ratio Lower Upper
97 100
99 62.4 50.9 76.3
61 47.5 38.2 57.4





#31

Carbon tetrachloride

Concen: 9.025 ug/L

RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

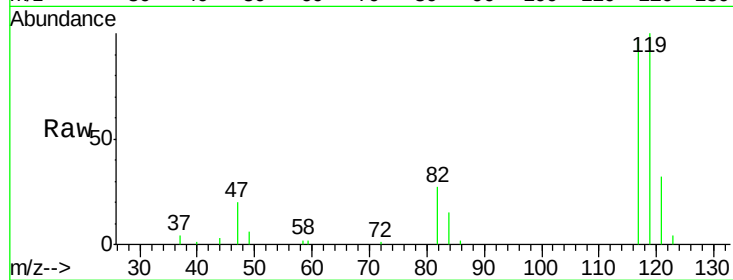
VSTD01052

Tgt Ion:117 Resp: 19890

Ion Ratio Lower Upper

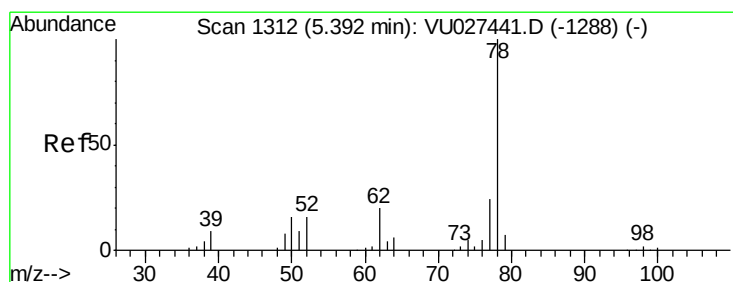
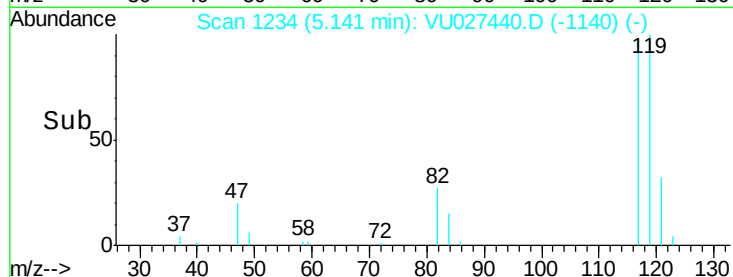
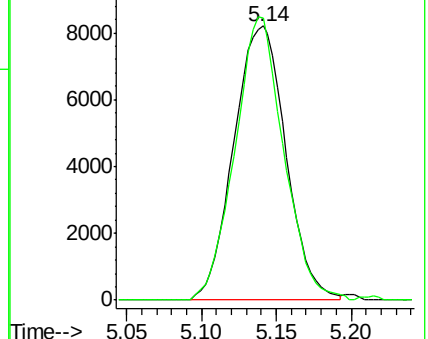
117 100

119 96.7 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.374 ug/L

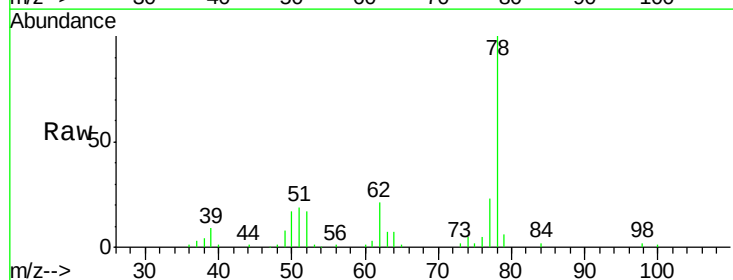
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

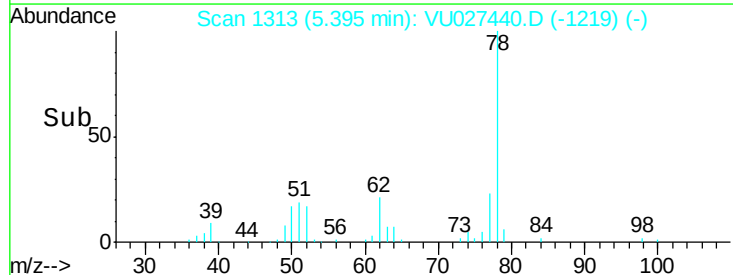
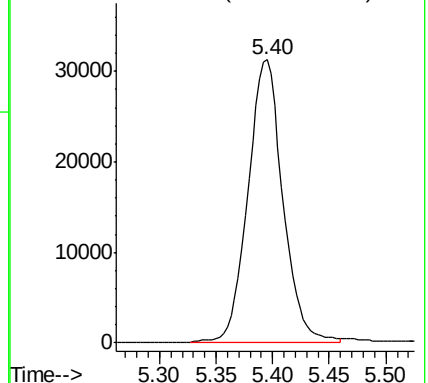
Lab File: VU027440.D

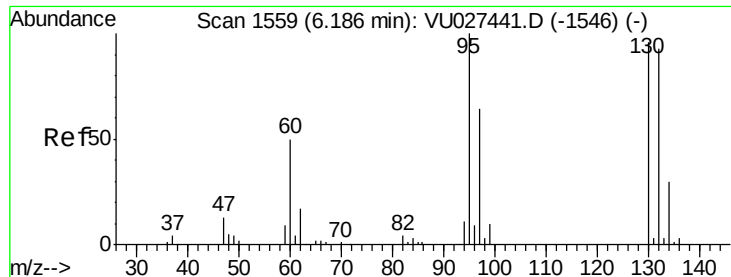
Acq: 05 Oct 2018 09:01

Tgt Ion: 78 Resp: 67461



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.305 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tgt Ion: 95 Resp: 16104

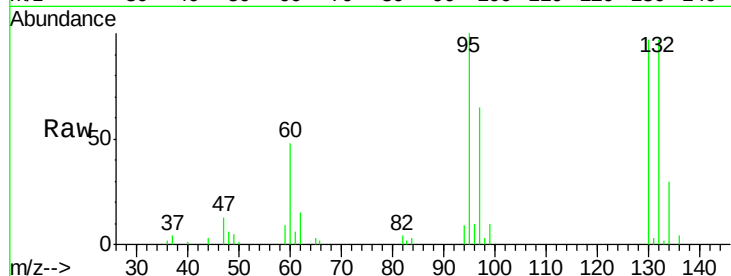
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.3

132 97.4 64.8 120.4

130 97.4 67.1 124.7



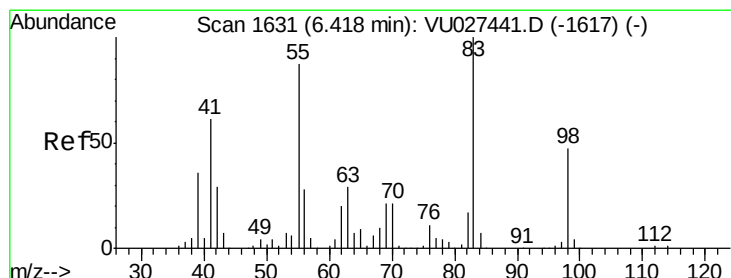
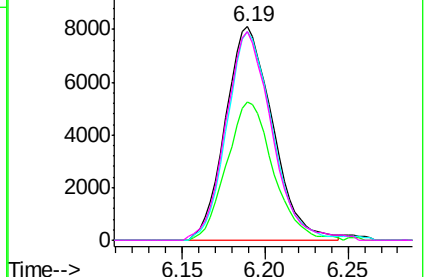
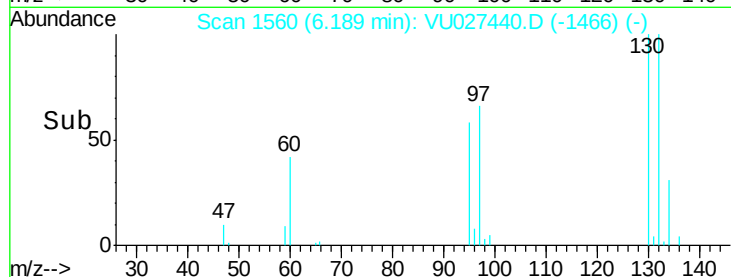
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#35

Methylcyclohexane

Concen: 8.644 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

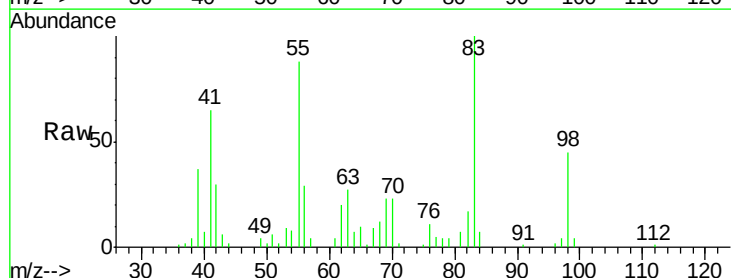
Tgt Ion: 83 Resp: 25992

Ion Ratio Lower Upper

83 100

55 91.4 69.9 104.9

98 47.9 37.1 55.7

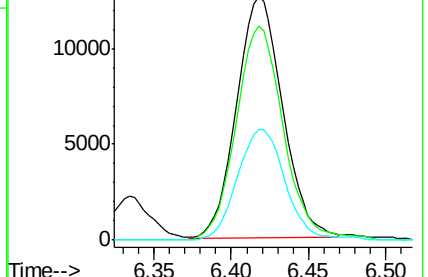
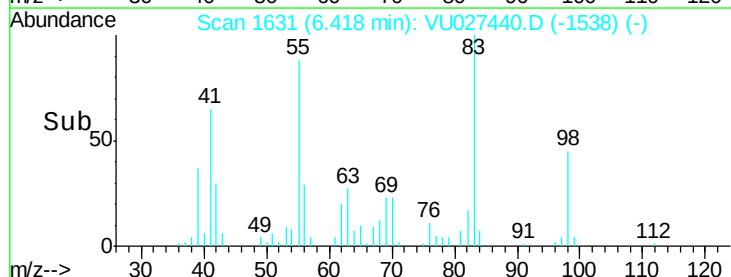


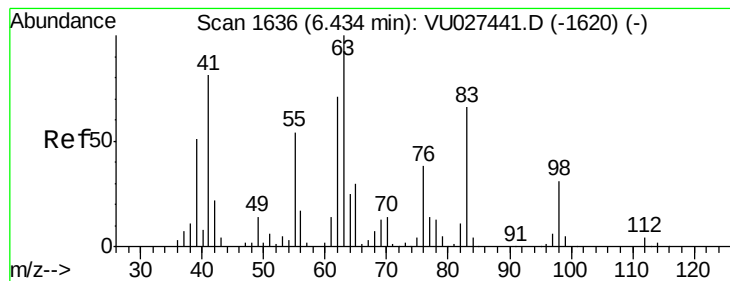
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

Time-->





#37

1,2-Dichloropropane

Concen: 9.353 ug/L

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

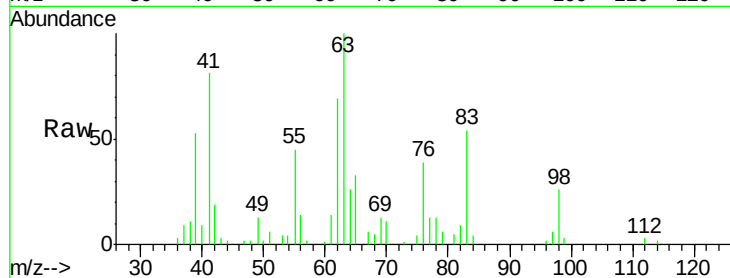
VSTD01052

Tgt Ion: 63 Resp: 19501

Ion Ratio Lower Upper

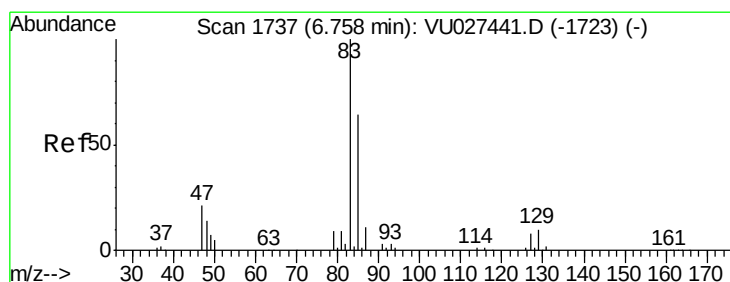
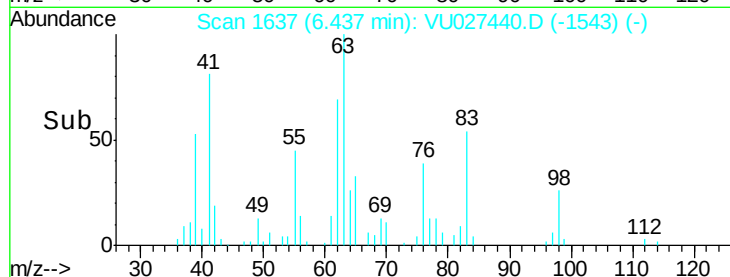
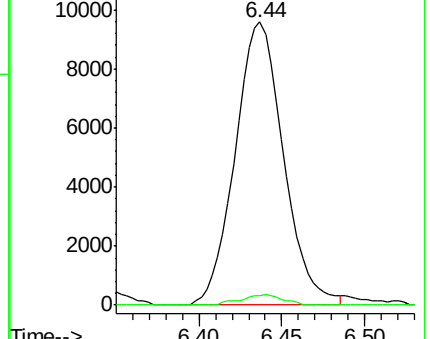
63 100

112 3.1 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 9.227 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

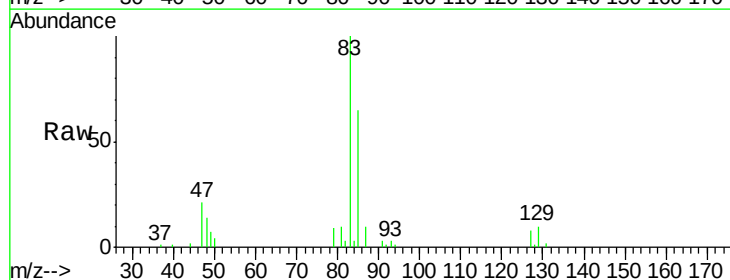
Tgt Ion: 83 Resp: 21860

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

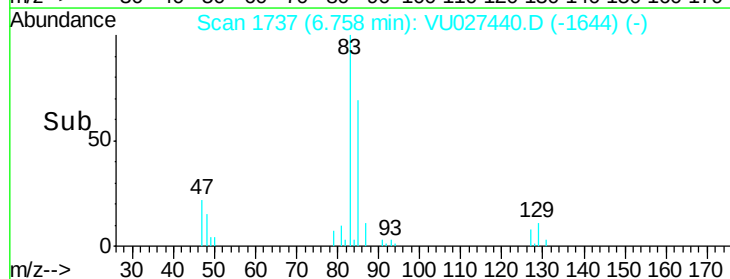
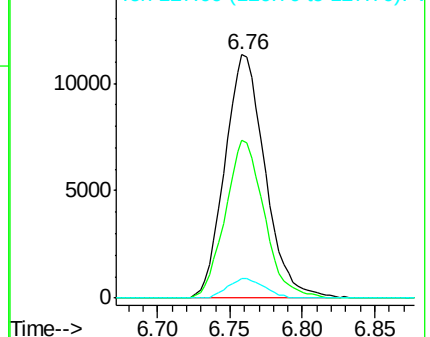
127 8.0 6.3 9.5

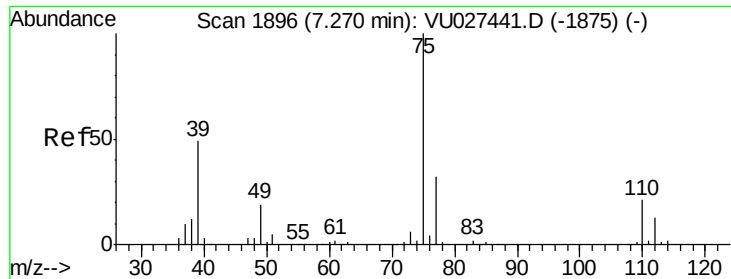


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

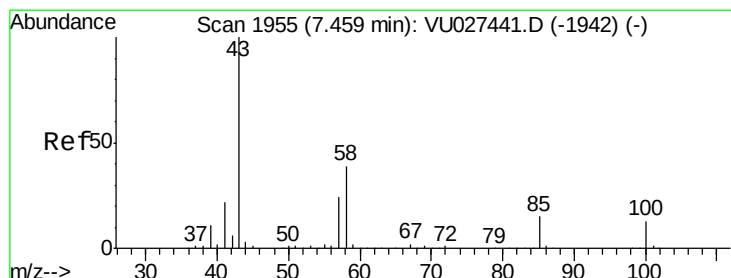
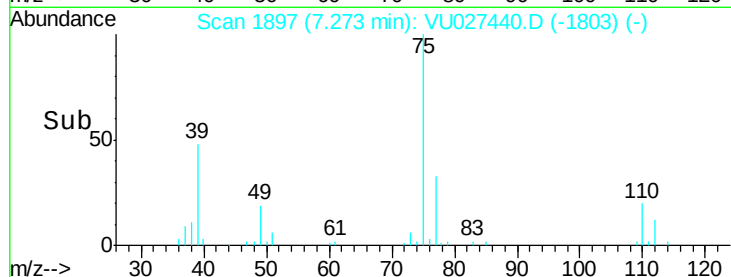
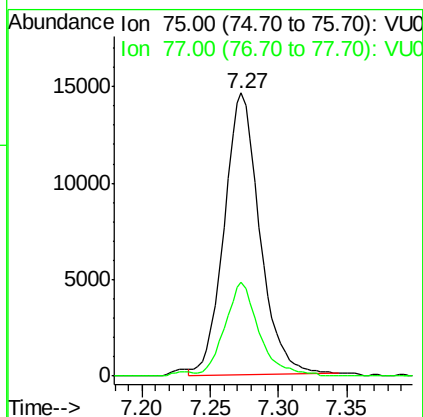
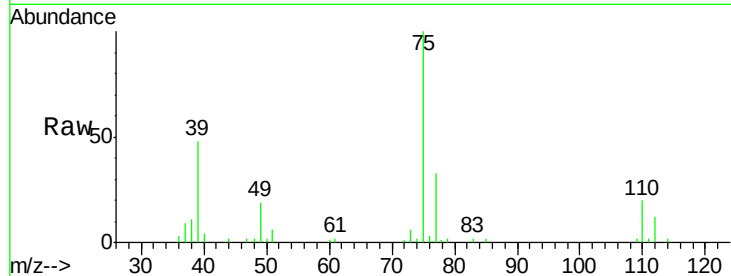




#39
 cis-1,3-Dichloropropene
 Concen: 8.660 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

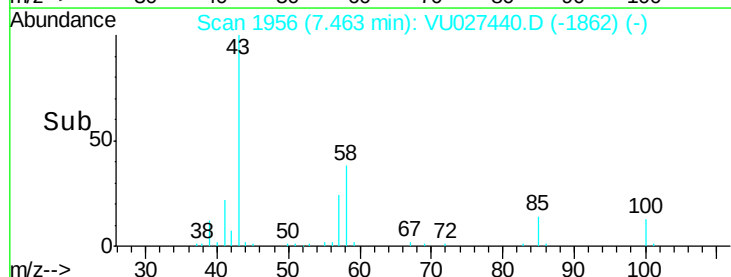
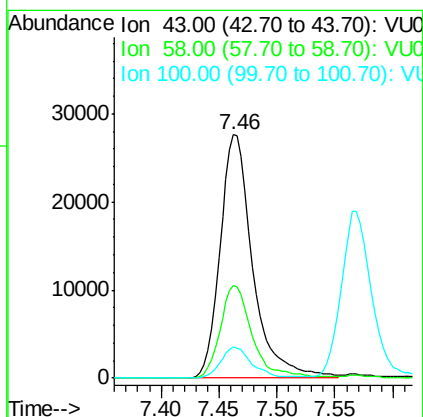
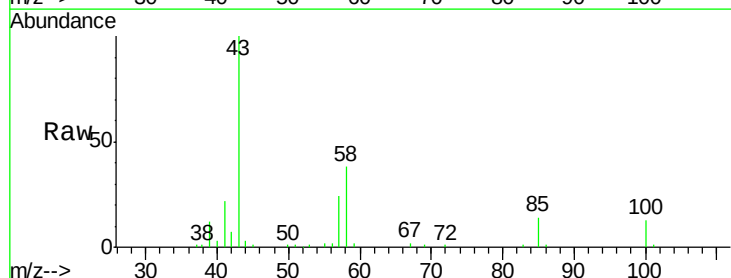
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

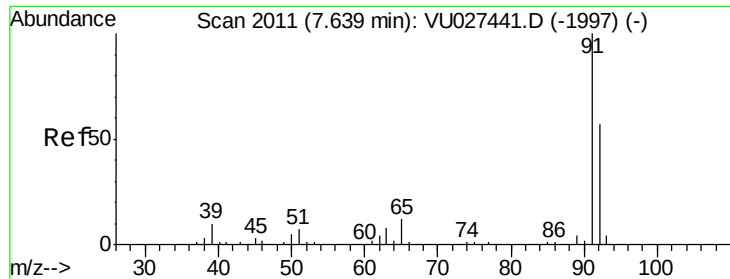
Tgt Ion: 75 Resp: 26529
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 17.751 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Tgt Ion: 43 Resp: 54195
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.7 46.1
 100 12.1 10.2 15.4





#42

Toluene

Concen: 9.275 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

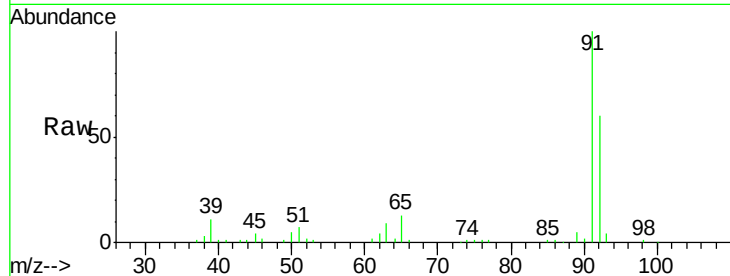
VSTD01052

Tgt Ion: 91 Resp: 66972

Ion Ratio Lower Upper

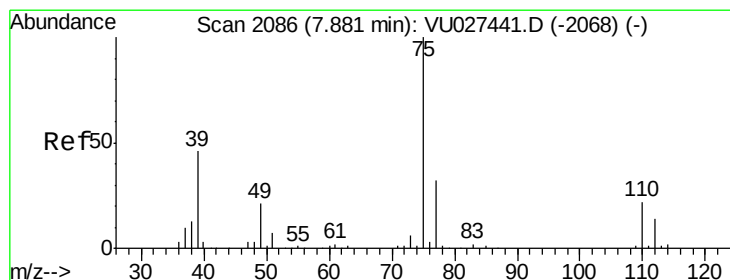
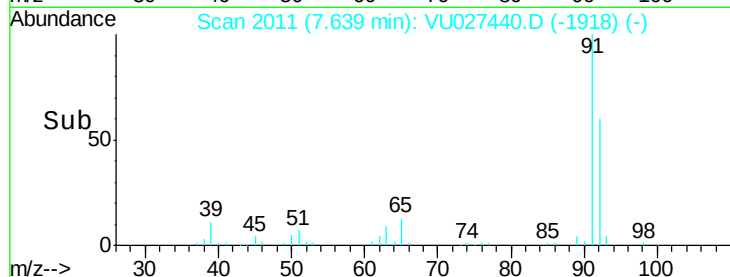
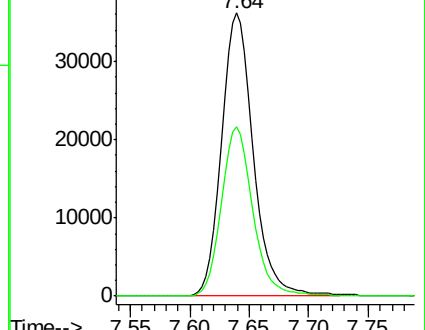
91 100

92 59.8 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU027440.D (-1918) (-)

Ion 92.00 (91.70 to 92.70): VU027440.D (-1918) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.825 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027440.D

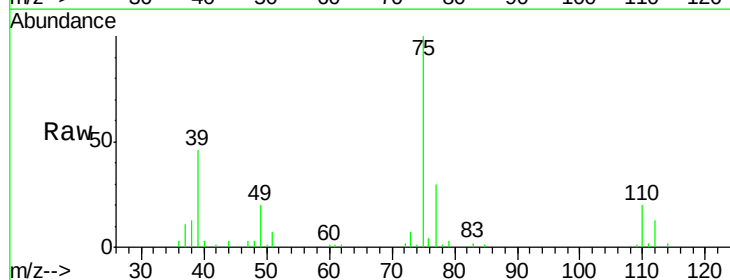
Acq: 05 Oct 2018 09:01

Tgt Ion: 75 Resp: 25096

Ion Ratio Lower Upper

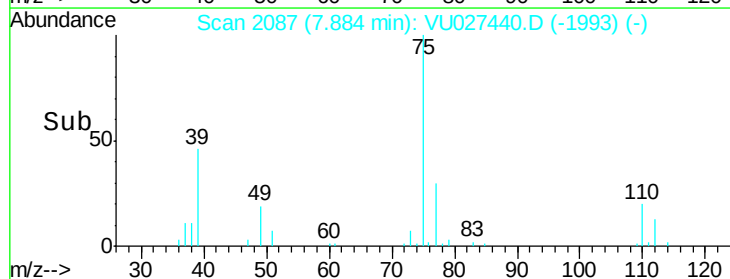
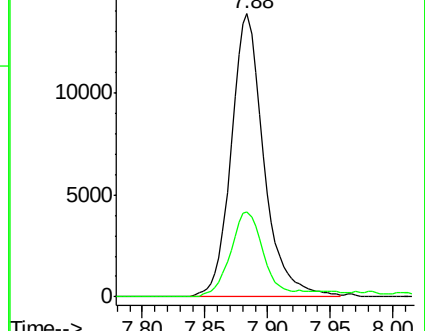
75 100

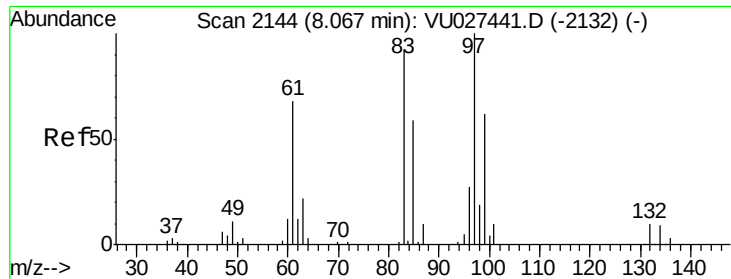
77 30.2 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU027440.D (-1993) (-)

Ion 77.00 (76.70 to 77.70): VU027440.D (-1993) (-)

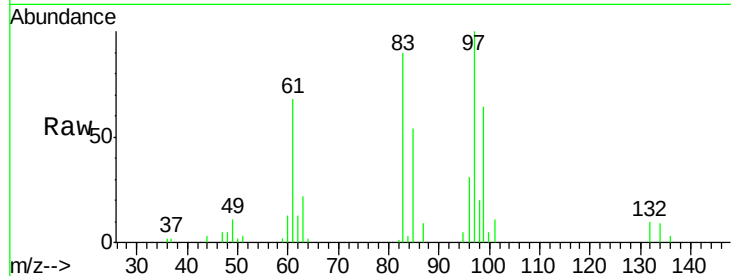




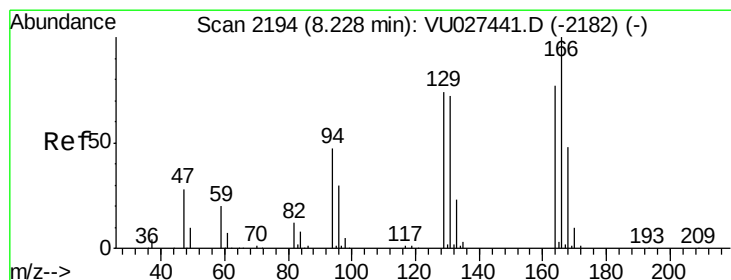
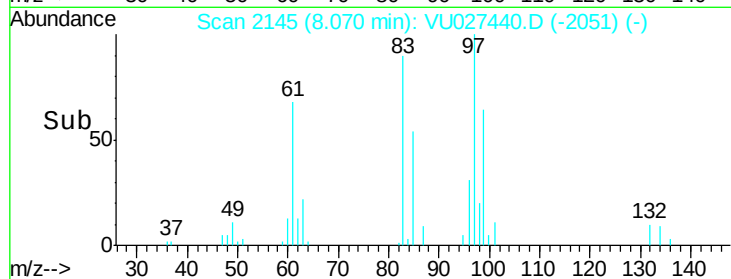
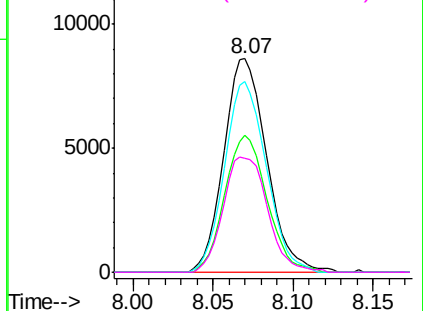
#45
 1,1,2-Trichloroethane
 Concen: 9.436 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tgt Ion:	97	Resp:	15793
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.2	80.2
83	89.5	64.3	119.5
85	53.6	41.0	76.2

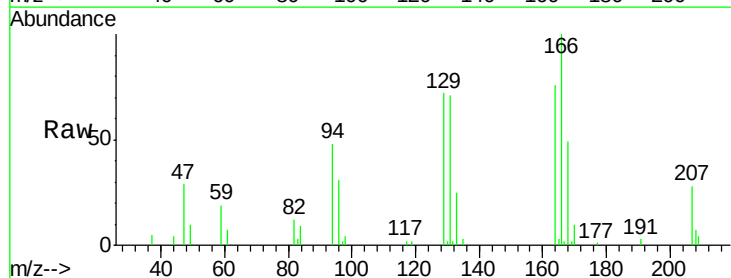


Abundance Ion 97.00 (96.70 to 97.70): VU027440.D (-2132) (-)

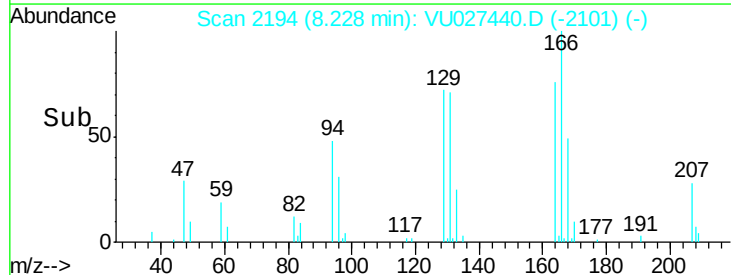
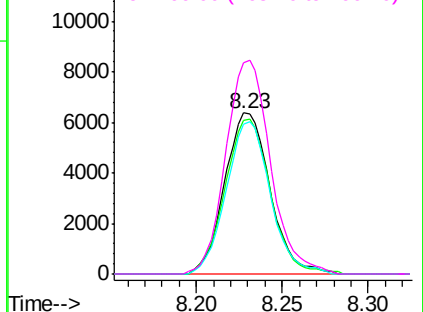


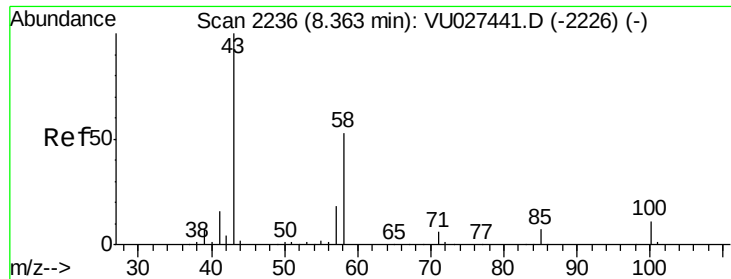
#46
 Tetrachloroethene
 Concen: 9.087 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Tgt Ion:	164	Resp:	11688
Ion	Ratio	Lower	Upper
164	100		
129	95.5	67.0	124.4
131	93.2	65.1	120.9
166	131.7	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VU027440.D (-2182) (-)

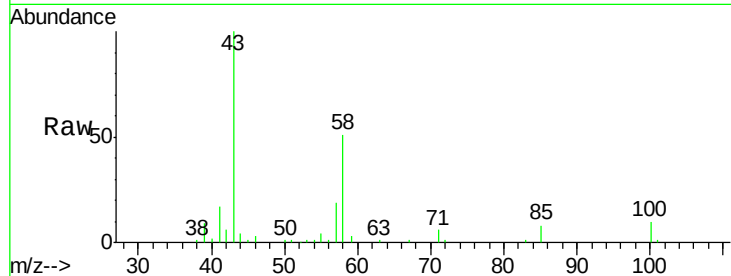




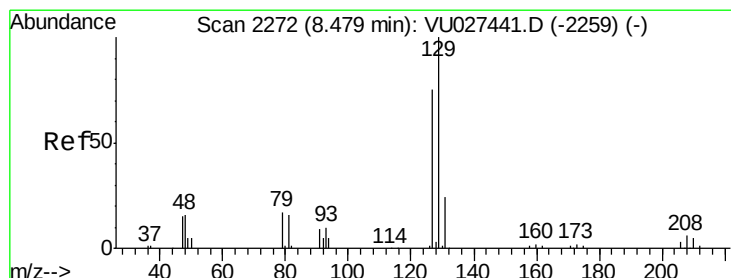
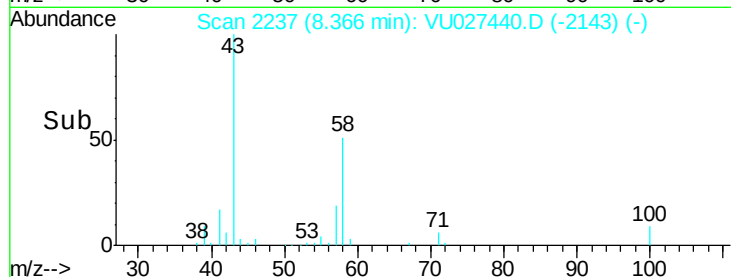
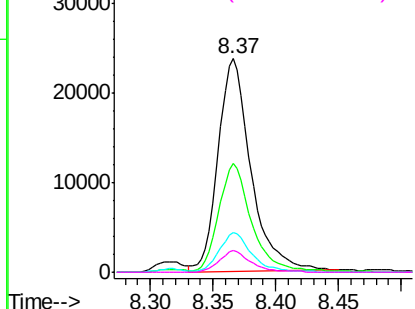
#48
2-Hexanone
Concen: 17.866 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tgt Ion: 43 Resp: 43071
Ion Ratio Lower Upper
43 100
58 51.7 42.7 64.1
57 17.2 14.5 21.7
100 9.4 8.2 12.2

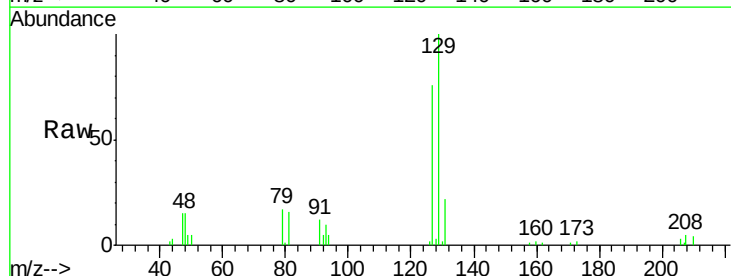


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

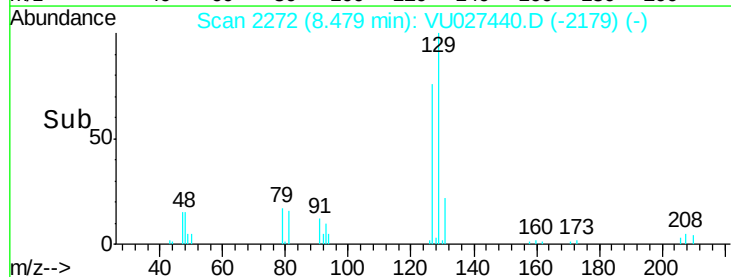
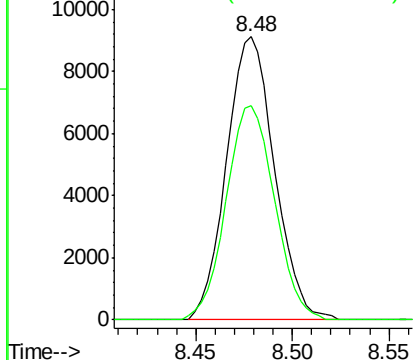


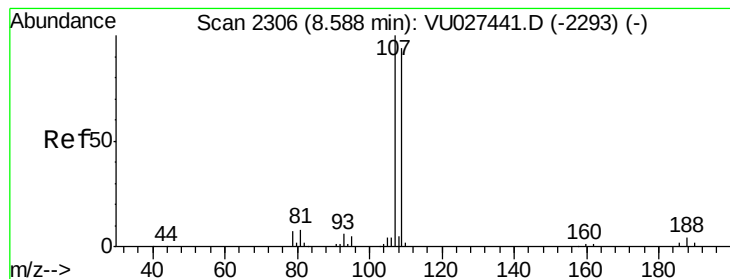
#49
Dibromochloromethane
Concen: 9.028 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Tgt Ion: 129 Resp: 15756
Ion Ratio Lower Upper
129 100
127 75.5 52.7 97.9



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

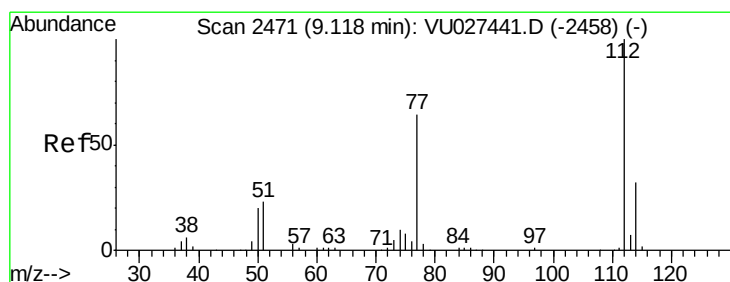
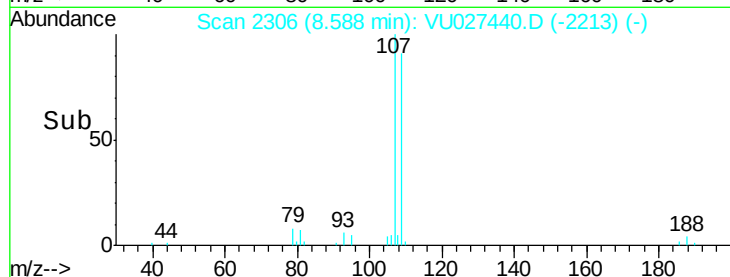
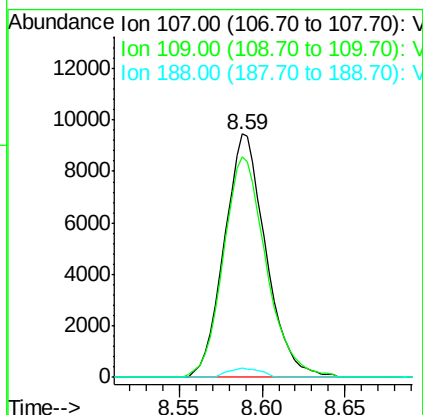
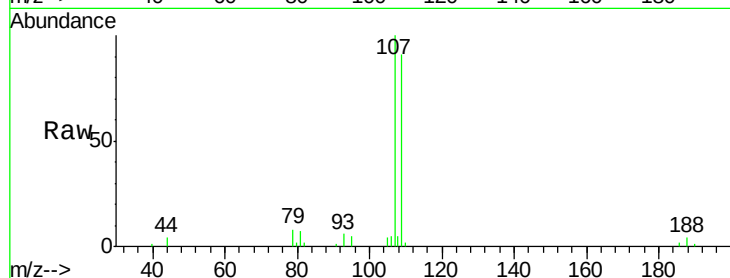




#50
1,2-Dibromoethane
Concen: 9.295 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

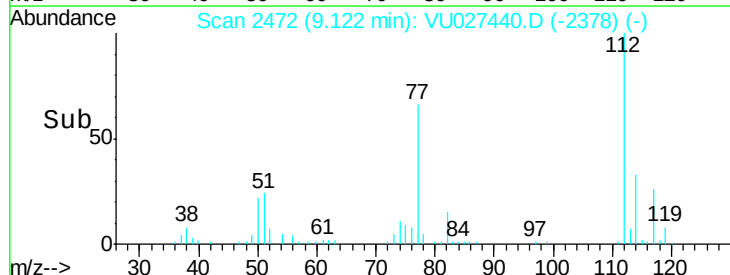
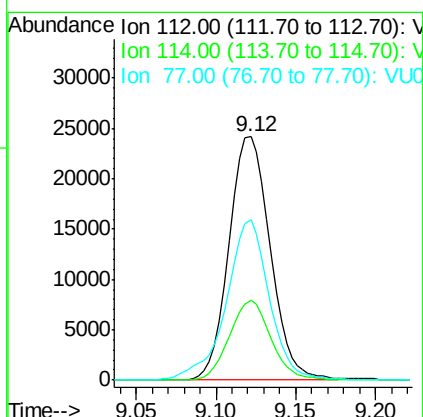
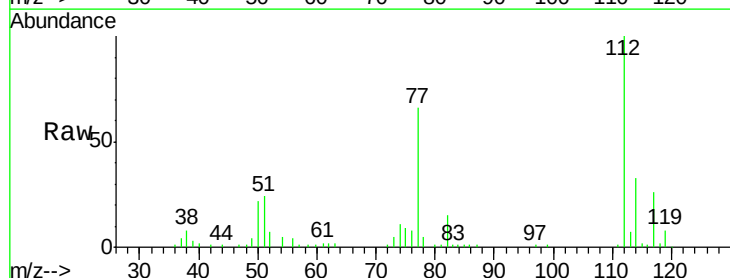
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

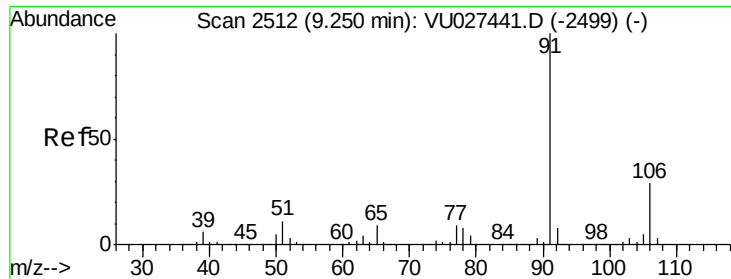
Tgt Ion:107 Resp: 16504
Ion Ratio Lower Upper
107 100
109 90.8 65.5 121.6
188 3.6 3.0 4.6



#51
Chlorobenzene
Concen: 9.337 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Tgt Ion:112 Resp: 42621
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 65.6 51.7 77.5





#52

Ethylbenzene

Concen: 8.972 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

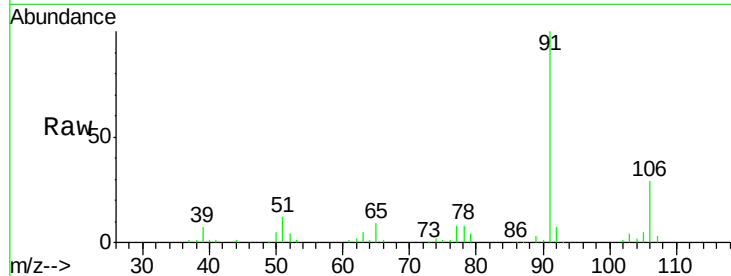
VSTD01052

Tgt Ion: 91 Resp: 71930

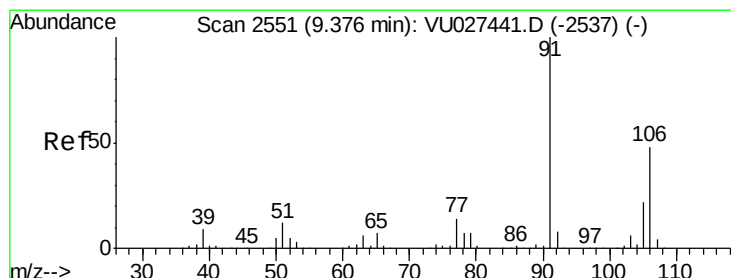
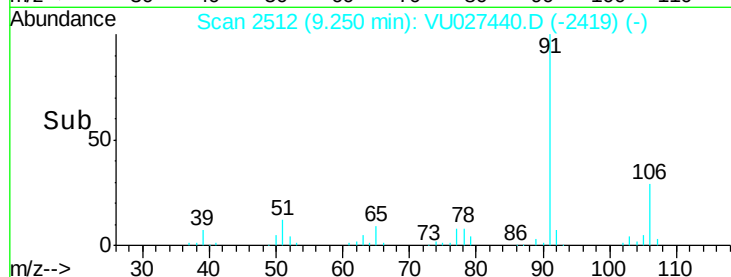
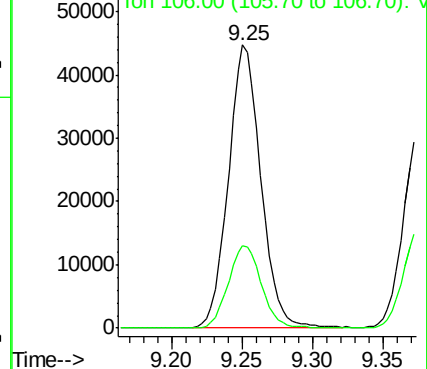
Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027440.D (-2499) (-)



#53

m,p-Xylene

Concen: 9.062 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027440.D

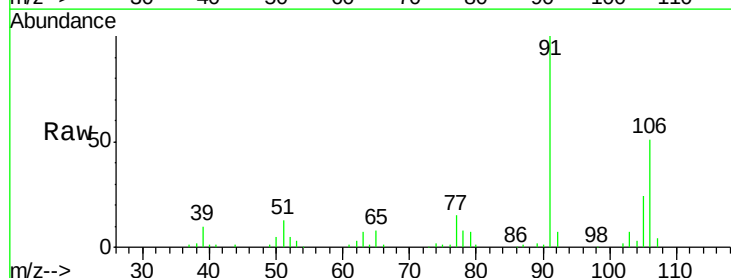
Acq: 05 Oct 2018 09:01

Tgt Ion: 106 Resp: 26593

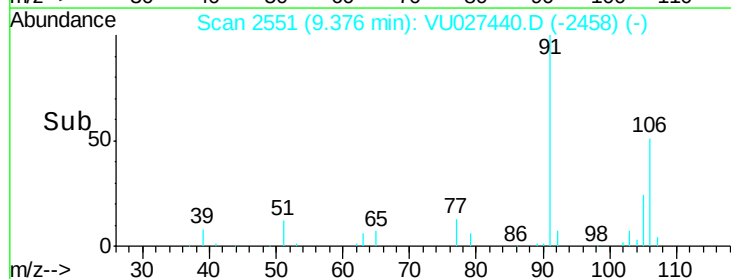
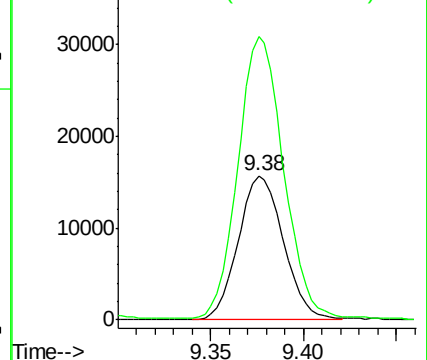
Ion Ratio Lower Upper

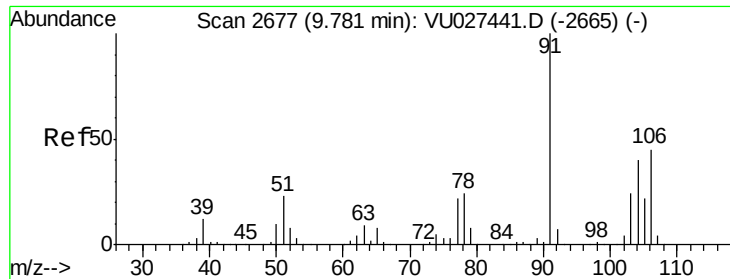
106 100

91 196.4 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027440.D (-2537) (-)

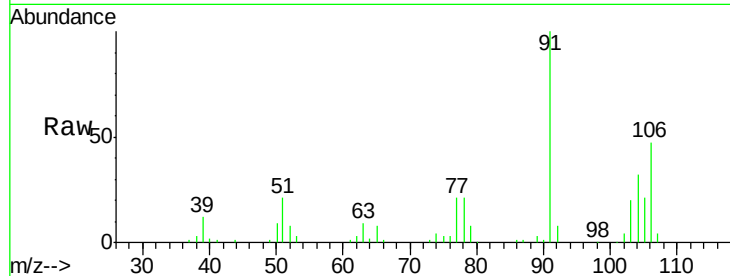




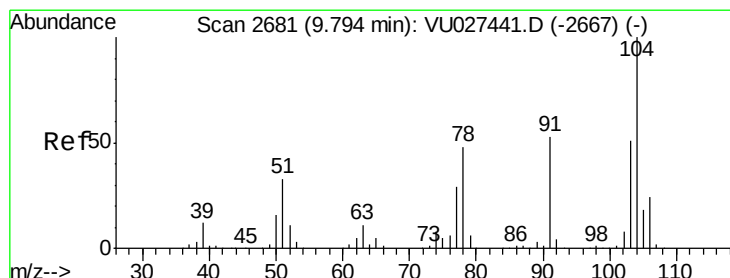
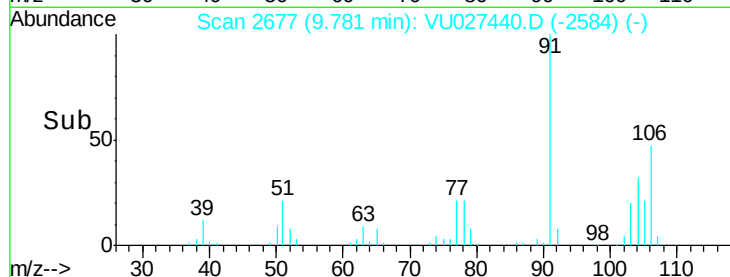
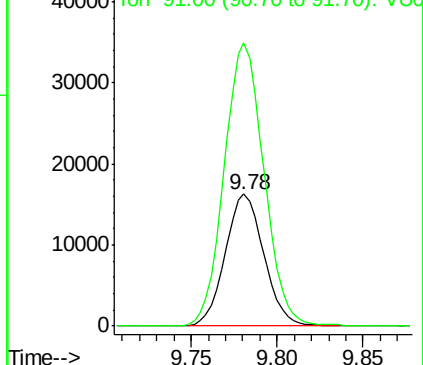
#54
o-xylene
Concen: 9.013 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tgt Ion:106 Resp: 25479
Ion Ratio Lower Upper
106 100
91 214.8 154.8 287.4

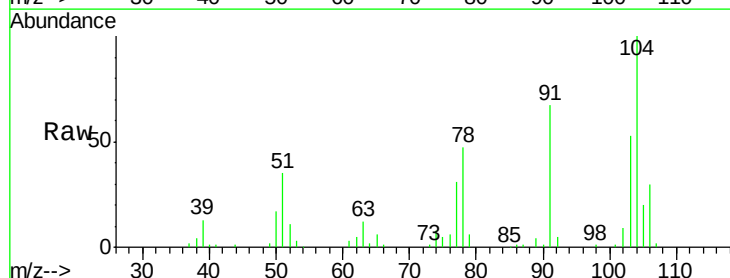


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

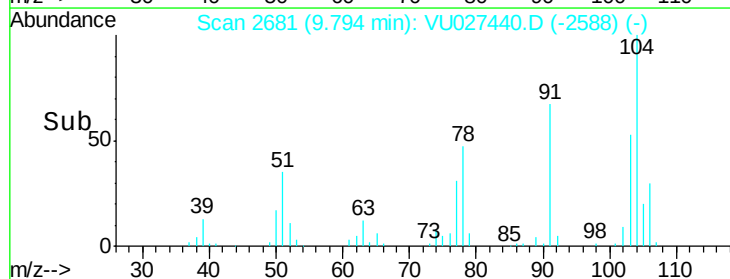
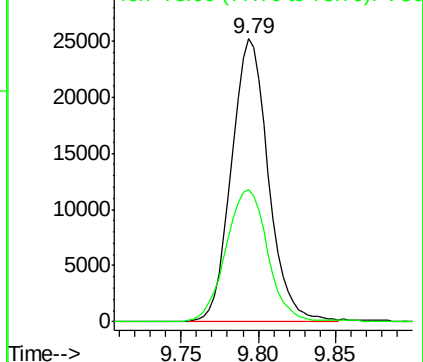


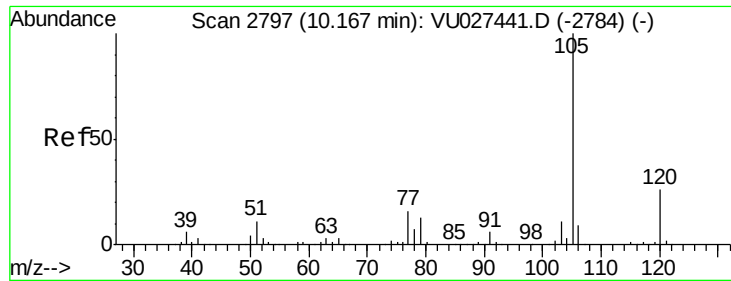
#55
Styrene
Concen: 8.625 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027440.D
Acq: 05 Oct 2018 09:01

Tgt Ion:104 Resp: 41751
Ion Ratio Lower Upper
104 100
78 46.9 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.076 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

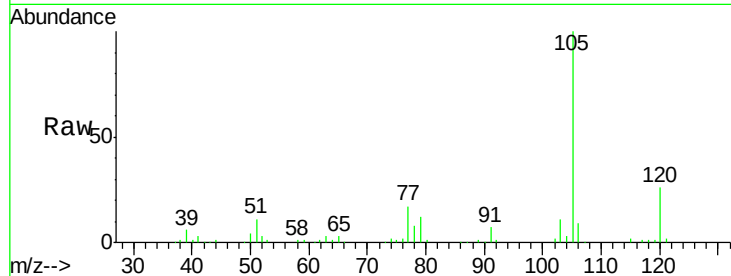
Tgt Ion: 105 Resp: 67239

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

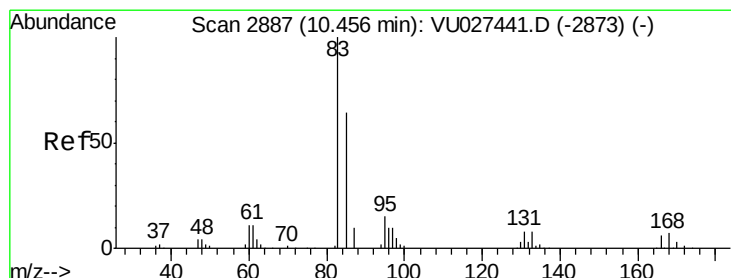
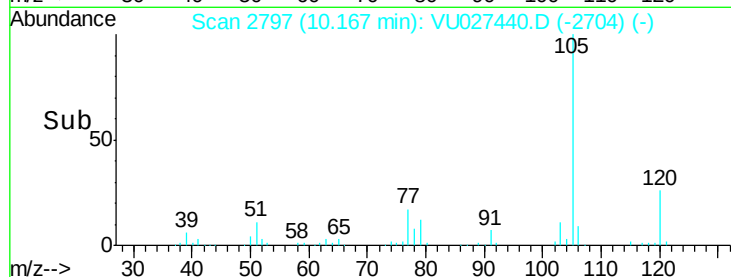
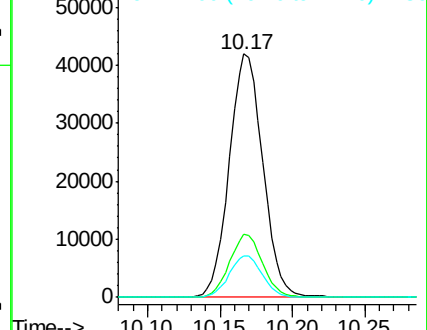
77 16.8 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.389 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

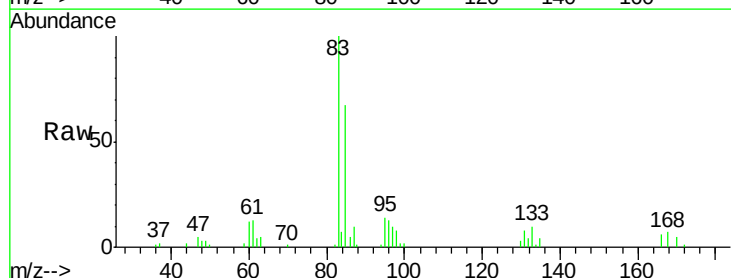
Tgt Ion: 83 Resp: 27533

Ion Ratio Lower Upper

83 100

85 67.3 45.2 84.0

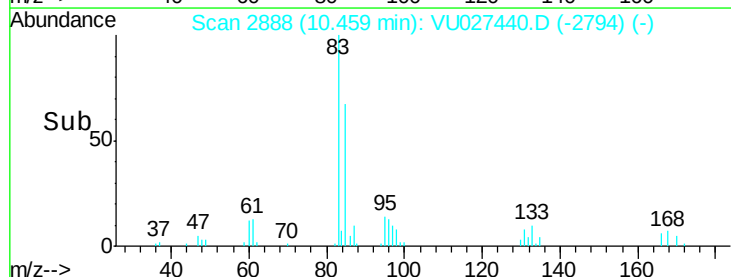
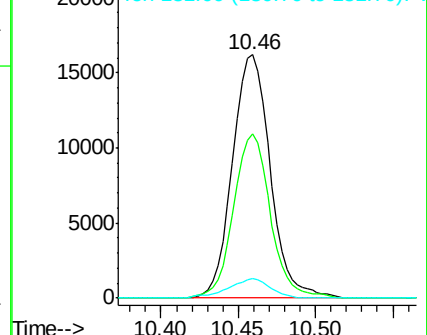
131 8.1 6.7 10.1

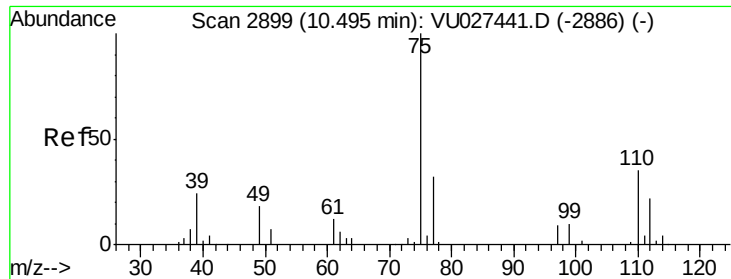


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.344 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

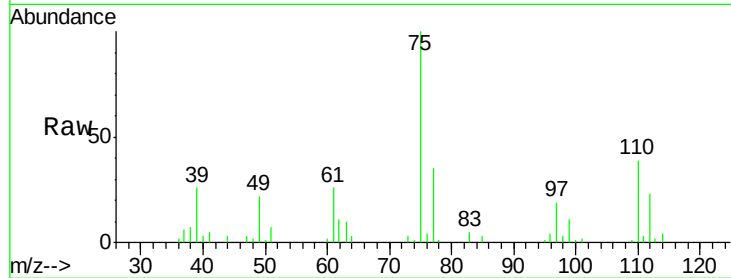
VSTD01052

Tgt Ion: 75 Resp: 22057

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU027441.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU027441.D (-2886) (-)

10.49

15000

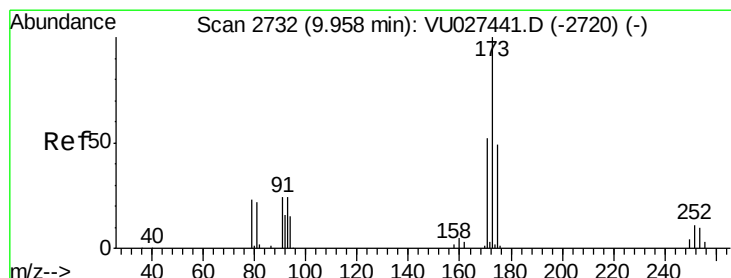
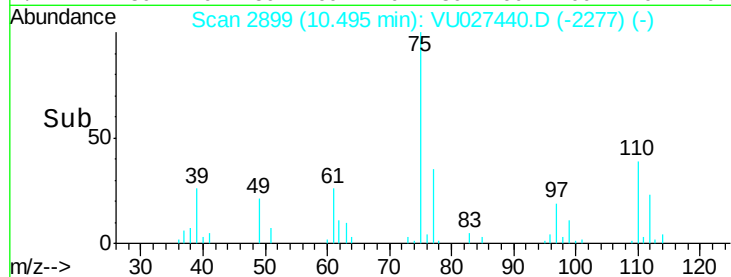
10000

5000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 9.011 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

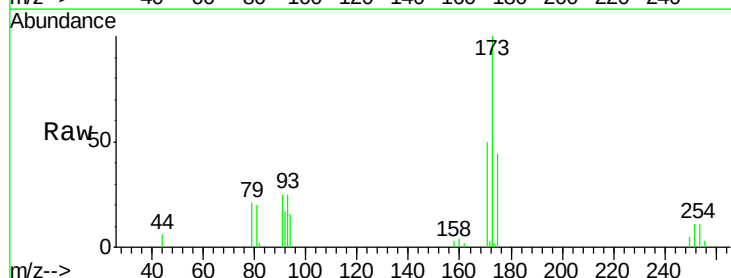
Tgt Ion: 173 Resp: 10782

Ion Ratio Lower Upper

173 100

175 47.2 39.0 58.4

254 11.7 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VU027441.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU027441.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU027441.D (-2720) (-)

9.96

8000

6000

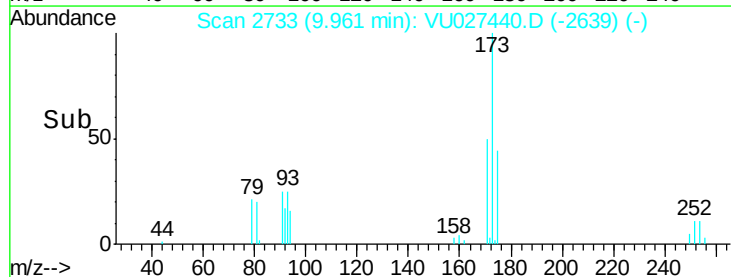
4000

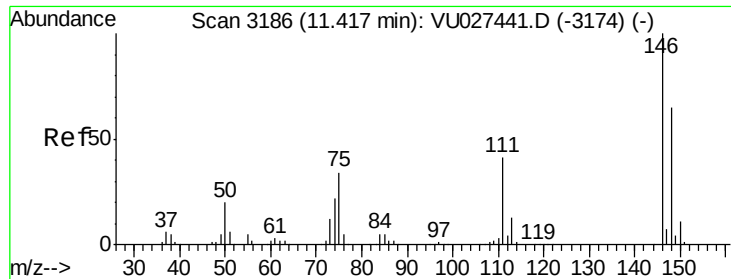
2000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.024 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

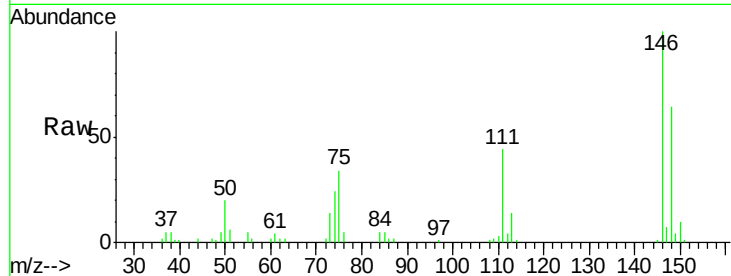
Tgt Ion:146 Resp: 29573

Ion Ratio Lower Upper

146 100

111 43.9 29.0 53.8

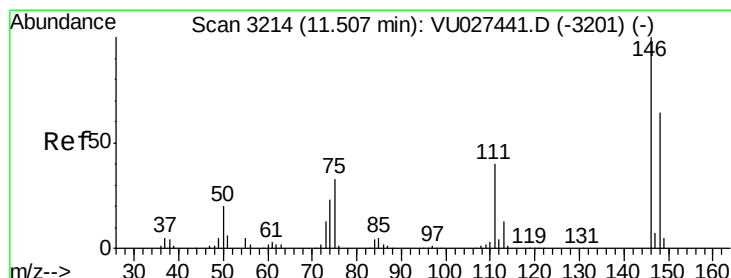
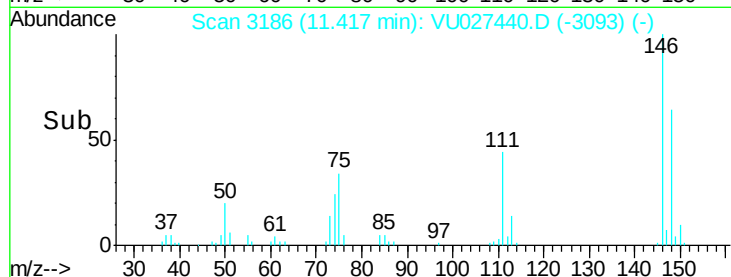
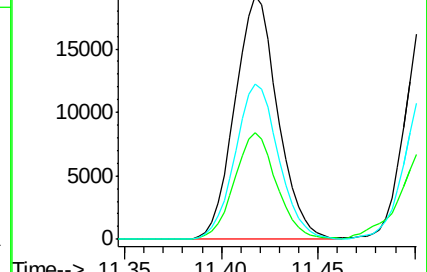
148 63.7 45.4 84.2



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: 9.406 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

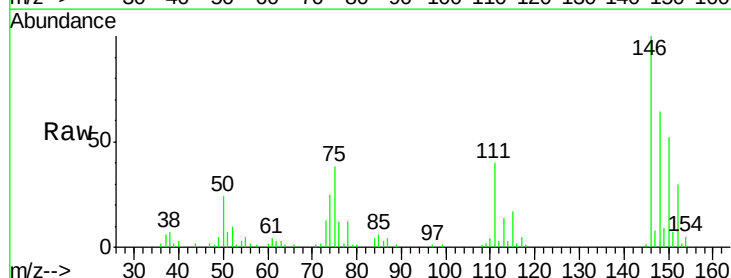
Tgt Ion:146 Resp: 32153

Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

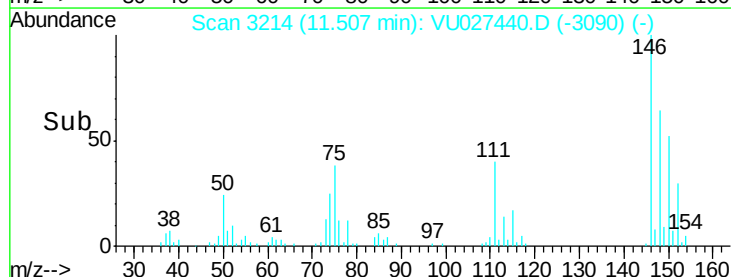
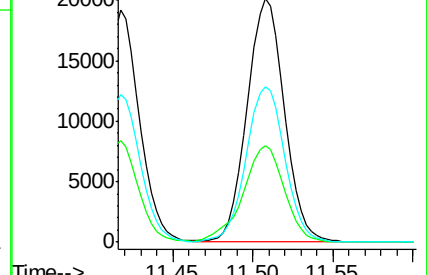
148 63.7 44.4 82.5

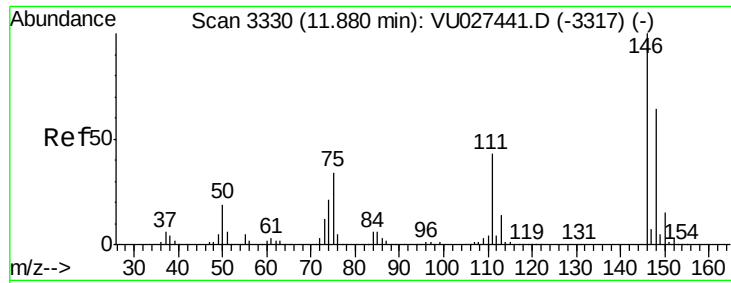


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

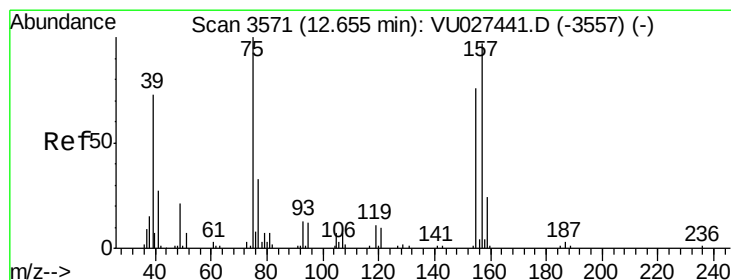
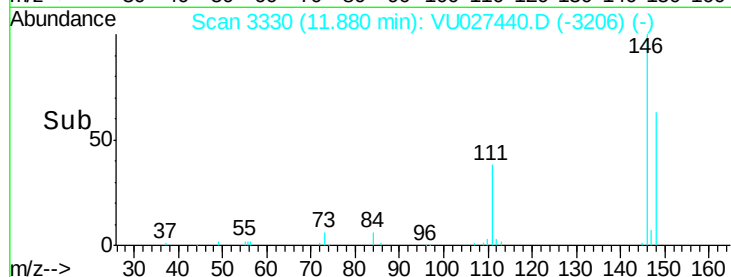
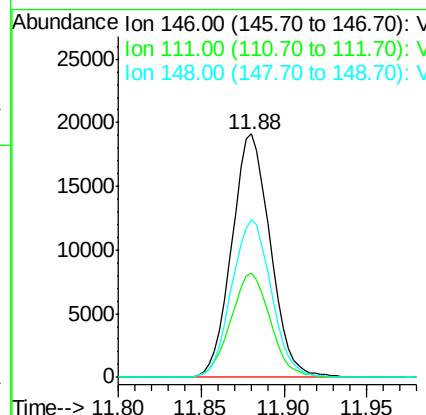
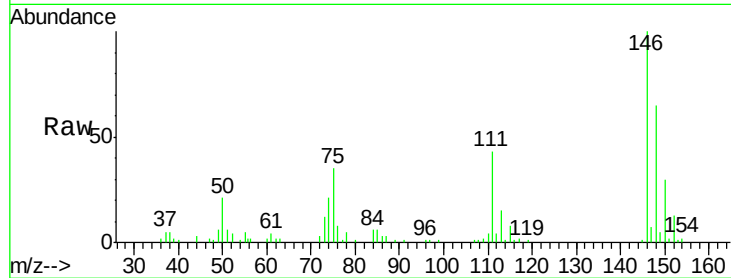




#65
 1,2-Dichlorobenzene
 Concen: 9.276 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

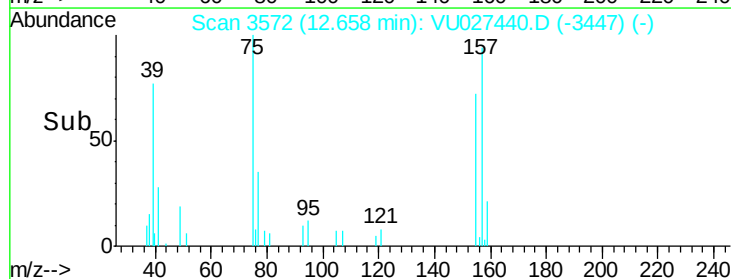
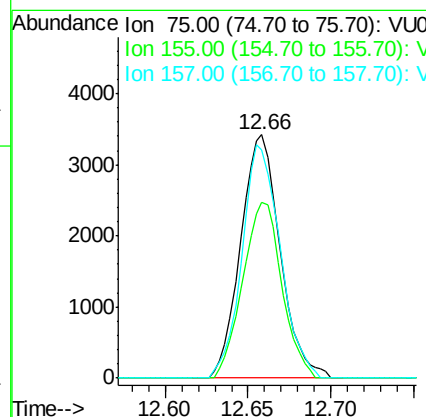
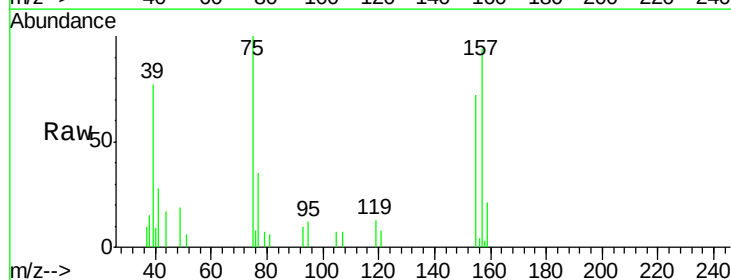
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

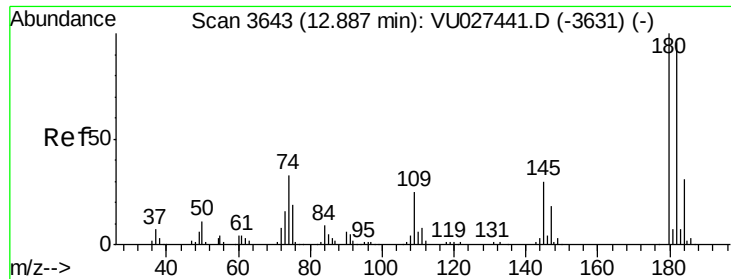
Tgt Ion: 146 Resp: 30948
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.9 52.3
 148 64.7 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.154 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Tgt Ion: 75 Resp: 5661
 Ion Ratio Lower Upper
 75 100
 155 72.4 61.0 91.6
 157 93.5 77.8 116.8

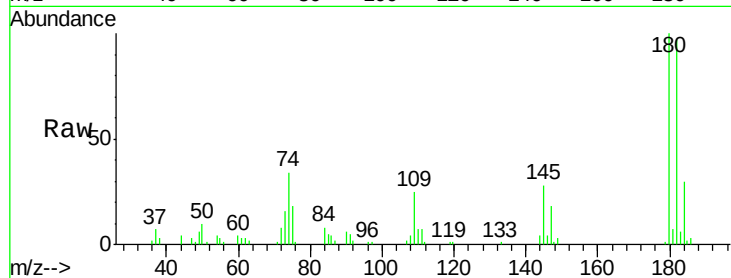




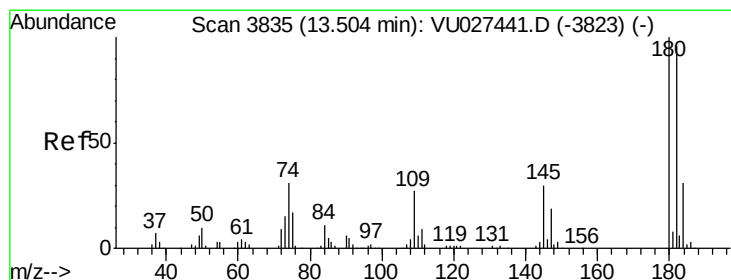
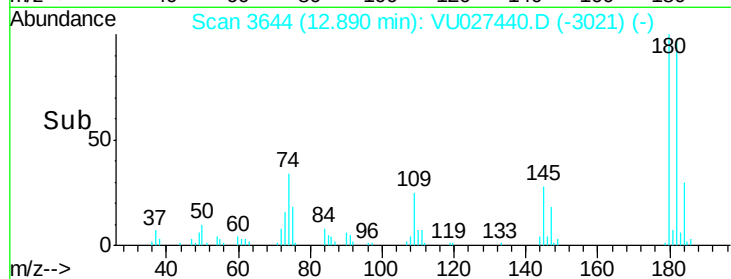
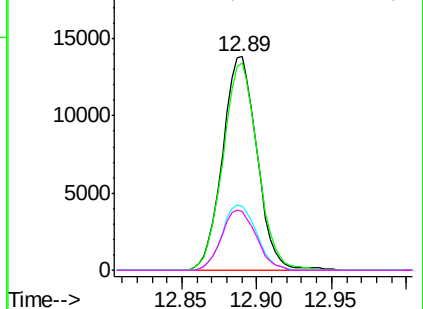
#67
 1,3,5-Trichlorobenzene
 Concen: 8.778 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tgt Ion:180 Resp: 22226
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.7 115.1
 184 30.9 24.5 36.7
 145 28.4 23.8 35.8

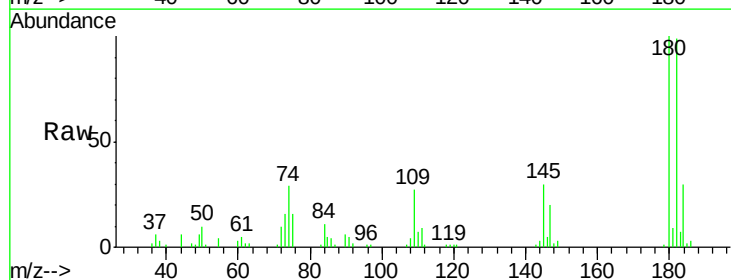


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

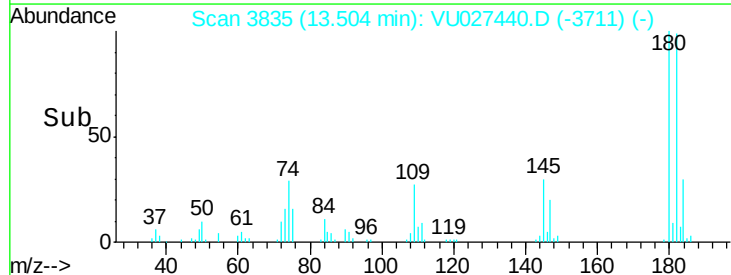
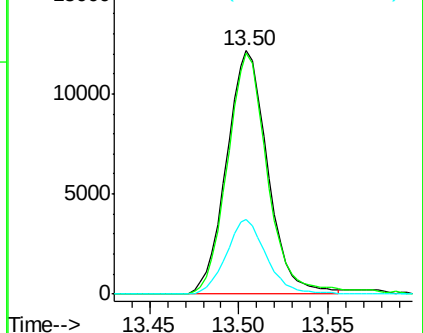


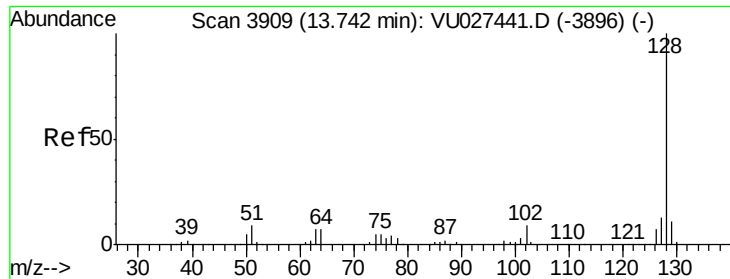
#68
 1,2,4-trichlorobenzene
 Concen: 8.367 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027440.D
 Acq: 05 Oct 2018 09:01

Tgt Ion:180 Resp: 19483
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.3 114.5
 145 29.5 24.2 36.2



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: 8.090 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

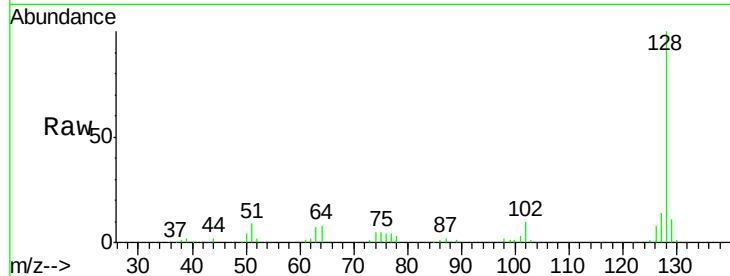
Tgt Ion:128 Resp: 58088

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

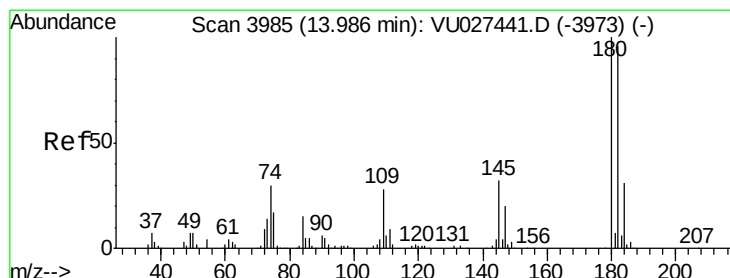
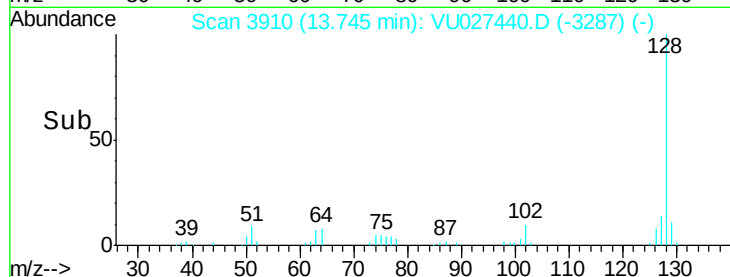
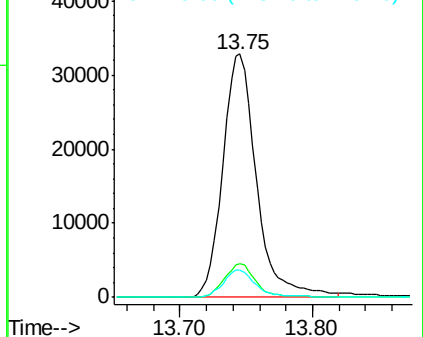
129 10.7 8.6 12.8



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: 8.831 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027440.D

Acq: 05 Oct 2018 09:01

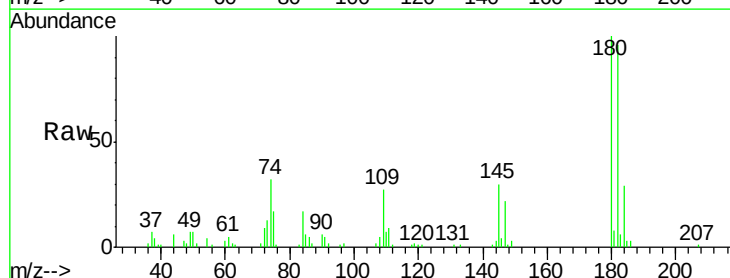
Tgt Ion:180 Resp: 20911

Ion Ratio Lower Upper

180 100

182 95.9 77.4 116.0

145 30.3 25.5 38.3



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

