

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
 Data File : VU024608.D
 Acq On : 15 Jun 2018 21:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 16 01:44:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 16 00:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341271	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	308980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	153867	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92860	47.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.08%
7) Chloroethane-d5	1.68	69	74479	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.12%
11) 1,1-Dichloroethene-d2	2.27	63	182905	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
21) 2-Butanone-d5	4.17	46	177788	107.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.83%
24) Chloroform-d	4.65	84	191977	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.31	65	119262	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
32) Benzene-d6	5.35	84	379576	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
36) 1,2-Dichloropropane-d6	6.34	67	128611	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.57	98	372440	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	59646	46.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.66%
47) 2-Hexanone-d5	8.31	63	142893	111.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.21%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	188714	51.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	155793	52.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	125868	45.597 ug/L	99
3) Chloromethane	1.33	50	129409	52.133 ug/L	98
5) Vinyl chloride	1.40	62	127733	48.037 ug/L	99
6) Bromomethane	1.62	94	70674	56.300 ug/L	95
8) Chloroethane	1.70	64	75013	48.043 ug/L	97
9) Trichlorofluoromethane	1.89	101	180781	46.310 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	101414	45.800 ug/L	98
12) 1,1-Dichloroethene	2.28	96	94487	46.581 ug/L	95
13) Acetone	2.32	43	114026	64.784 ug/L	98
14) Carbon disulfide	2.48	76	289572	43.565 ug/L	99
15) Methyl Acetate	2.62	43	135026	50.057 ug/L	100
16) Methylene chloride	2.71	84	114349	45.842 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	104752	45.766 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	355167	47.723 ug/L	99
19) 1,1-Dichloroethane	3.45	63	199163	47.270 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	123184	46.166 ug/L	98
22) 2-Butanone	4.27	43	196611	87.660 ug/L	98

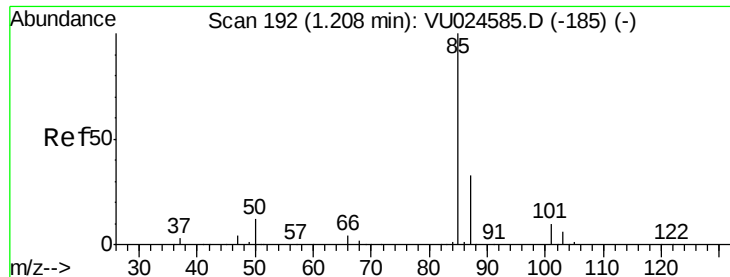
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63724	47.610	ug/L	95
25) Chloroform	4.68	83	203858	46.907	ug/L	96
27) 1,2-Dichloroethane	5.41	62	158206	47.231	ug/L	99
29) Cyclohexane	5.00	56	185050	48.314	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	178932	47.806	ug/L	99
31) Carbon tetrachloride	5.14	117	163170	47.630	ug/L	98
33) Benzene	5.39	78	446207	49.144	ug/L	100
34) Trichloroethene	6.19	95	116463	46.412	ug/L	100
35) Methylcyclohexane	6.42	83	185254	45.924	ug/L	99
37) 1,2-Dichloropropane	6.44	63	125878	49.876	ug/L	100
38) Bromodichloromethane	6.76	83	158922	47.772	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	188214	47.575	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	387394	103.376	ug/L	100
42) Toluene	7.64	91	487149	48.282	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	170394	47.096	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	116851	49.205	ug/L	97
46) Tetrachloroethene	8.23	164	94138	44.566	ug/L	98
48) 2-Hexanone	8.36	43	296853	97.487	ug/L	99
49) Dibromochloromethane	8.48	129	140585	48.315	ug/L	98
50) 1,2-Dibromoethane	8.59	107	124418	47.738	ug/L	99
51) Chlorobenzene	9.12	112	316435	46.800	ug/L	98
52) Ethylbenzene	9.25	91	541882	46.845	ug/L	100
53) m,p-Xylene	9.38	106	211314	47.471	ug/L	99
54) o-xylene	9.78	106	210826	48.007	ug/L	99
55) Styrene	9.80	104	349369	46.786	ug/L	99
56) Isopropylbenzene	10.17	105	548890	47.372	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	201356	49.209	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	161603	50.370	ug/L	100
61) Bromoform	9.96	173	113284	50.763	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	244970	47.384	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	244503	46.888	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	258268	49.919	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	47879	52.879	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	192282	46.518	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	158891	46.219	ug/L	98
69) Naphthalene	13.75	128	499408	52.596	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	171140	49.094	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.597 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

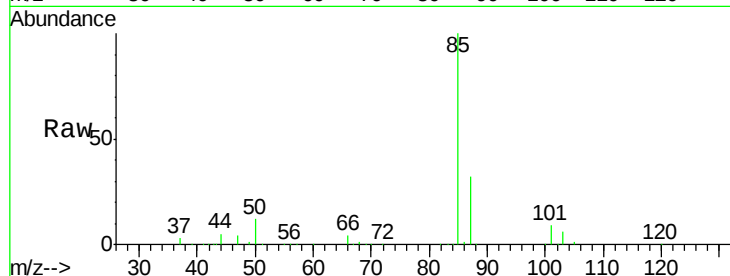
VSTD05046

Tgt Ion: 85 Resp: 125868

Ion Ratio Lower Upper

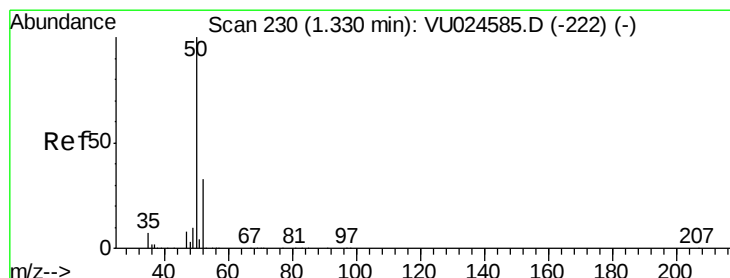
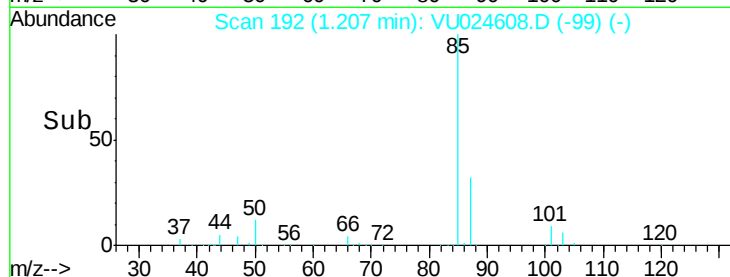
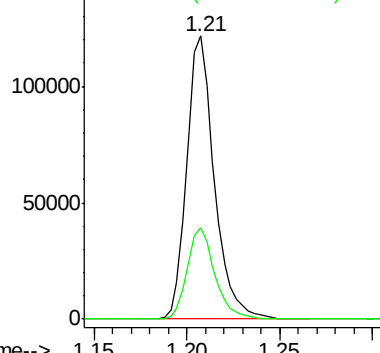
85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 52.133 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024608.D

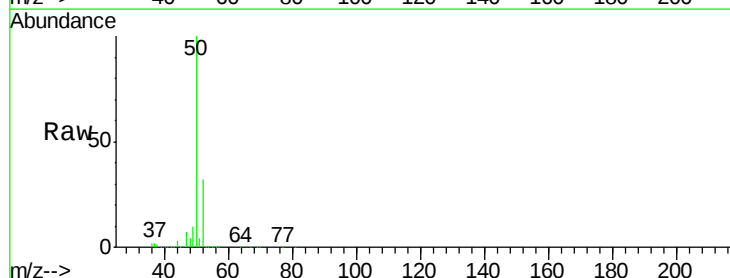
Acq: 15 Jun 2018 21:03

Tgt Ion: 50 Resp: 129409

Ion Ratio Lower Upper

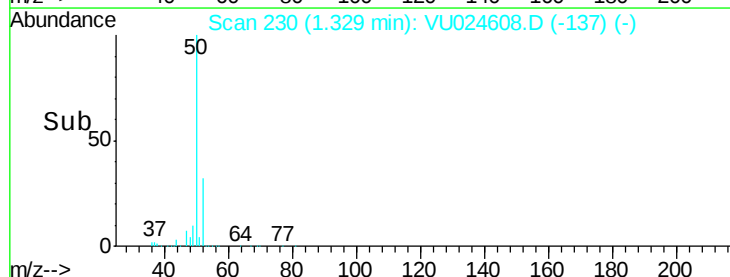
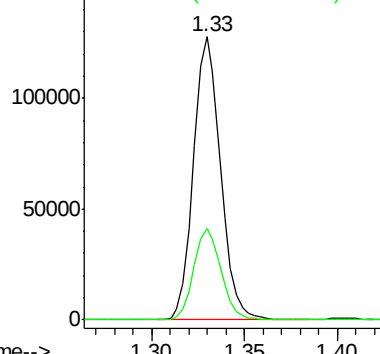
50 100

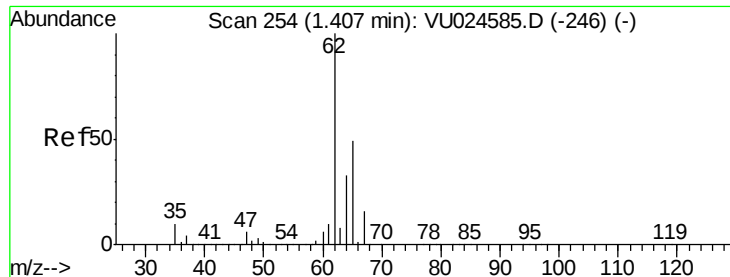
52 32.3 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.037 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

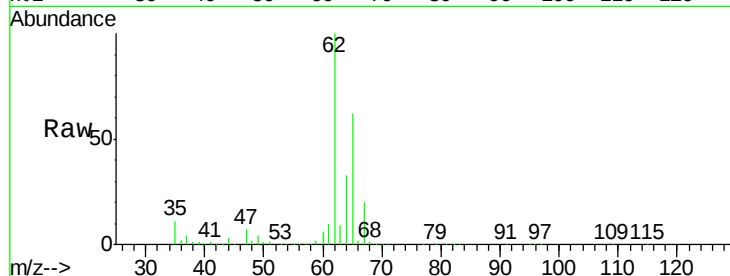
VSTD05046

Tgt Ion: 62 Resp: 127733

Ion Ratio Lower Upper

62 100

64 33.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

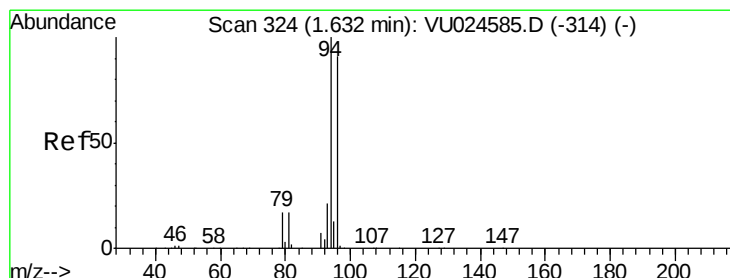
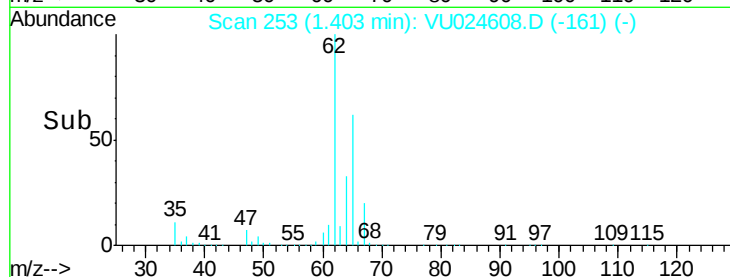
1.40

100000

50000

0

Time-->



#6

Bromomethane

Concen: 56.300 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.01 min

Lab File: VU024608.D

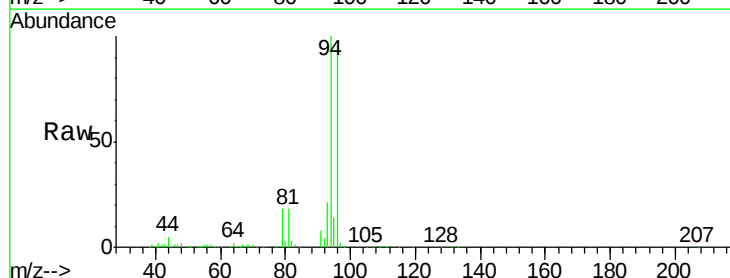
Acq: 15 Jun 2018 21:03

Tgt Ion: 94 Resp: 70674

Ion Ratio Lower Upper

94 100

96 95.9 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

60000

50000

40000

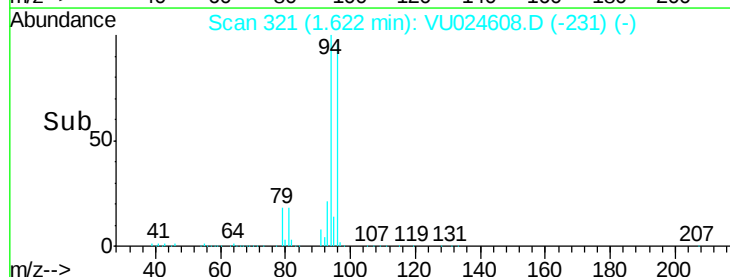
30000

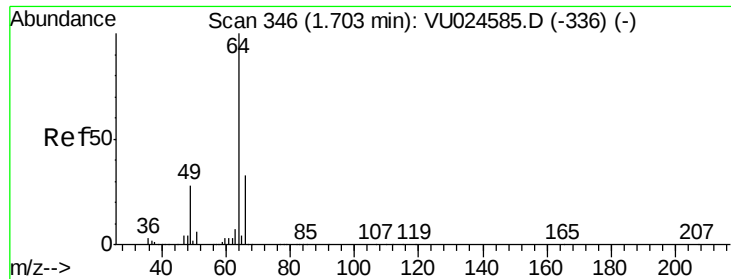
20000

10000

0

Time-->

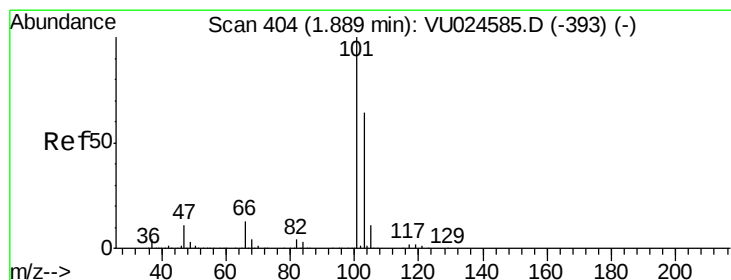
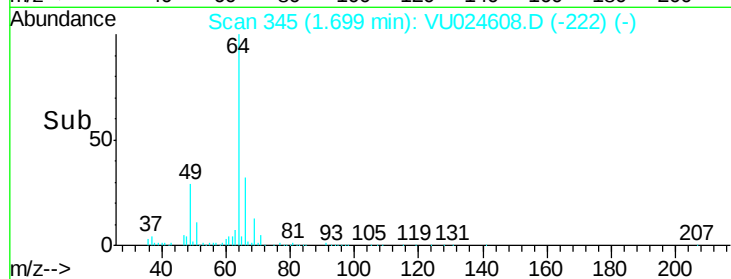
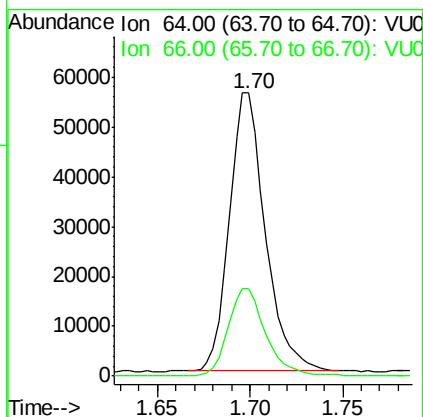
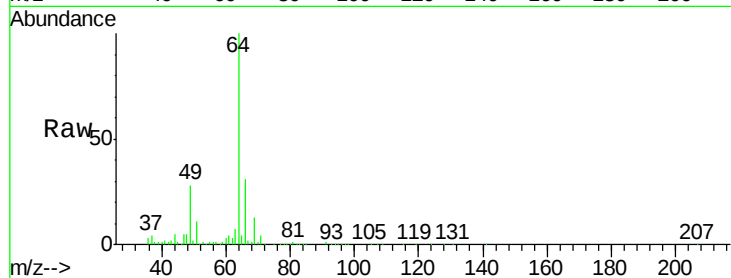




#8
Chloroethane
Concen: 48.043 ug/L
RT: 1.70 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

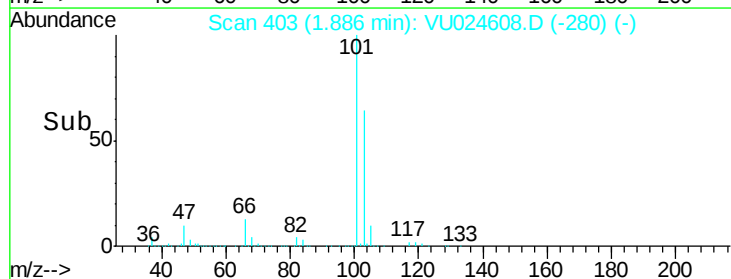
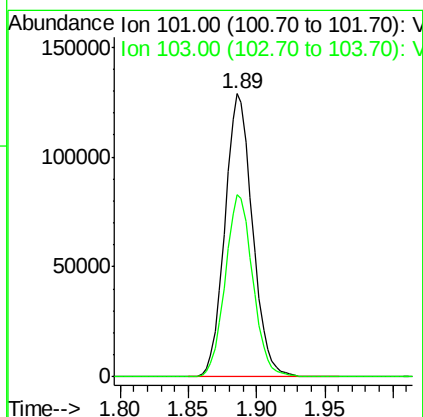
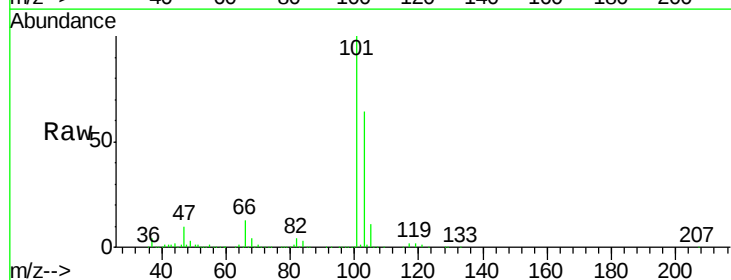
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

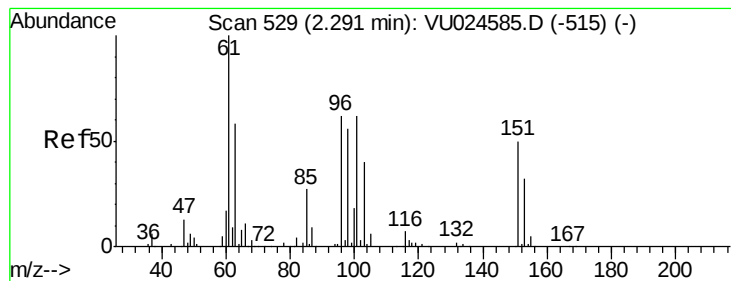
Tgt Ion: 64 Resp: 75013
Ion Ratio Lower Upper
64 100
66 30.8 22.7 42.3



#9
Trichlorofluoromethane
Concen: 46.310 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Tgt Ion: 101 Resp: 180781
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6





#10

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

Concen: 45.800 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

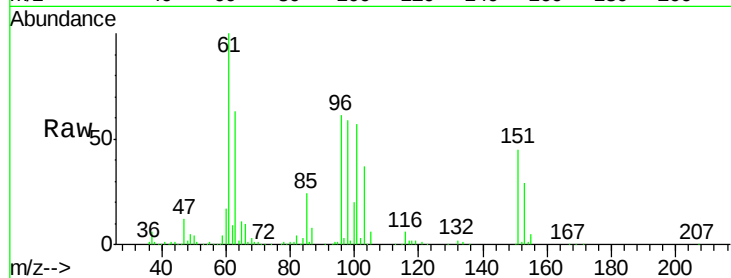
Tgt Ion: 101 Resp: 101414

Ion Ratio Lower Upper

101 100

85 42.9 35.2 52.8

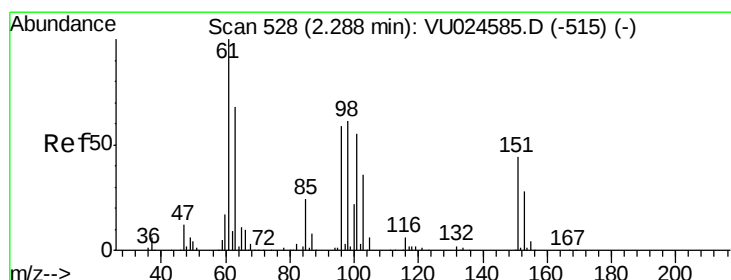
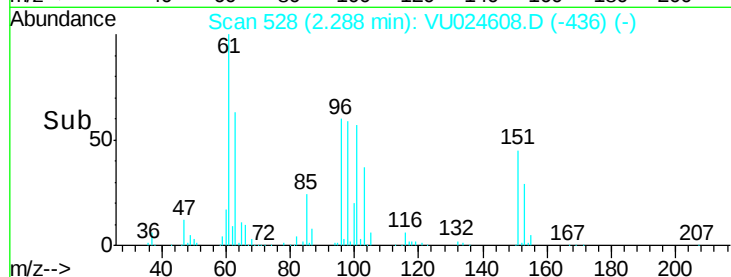
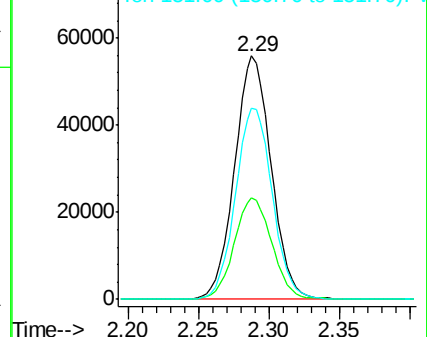
151 79.3 64.6 97.0



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: 46.581 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

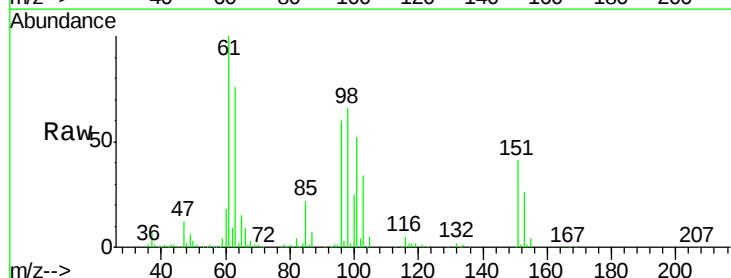
Tgt Ion: 96 Resp: 94487

Ion Ratio Lower Upper

96 100

61 167.2 117.9 218.9

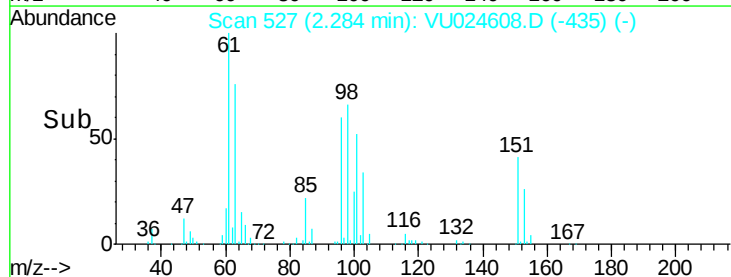
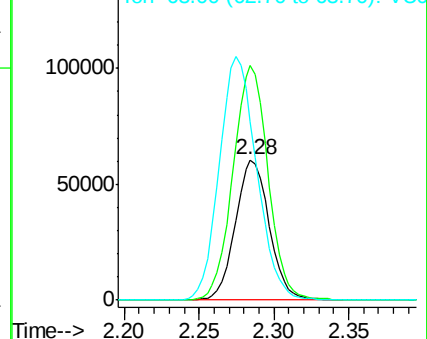
63 127.4 81.4 151.2

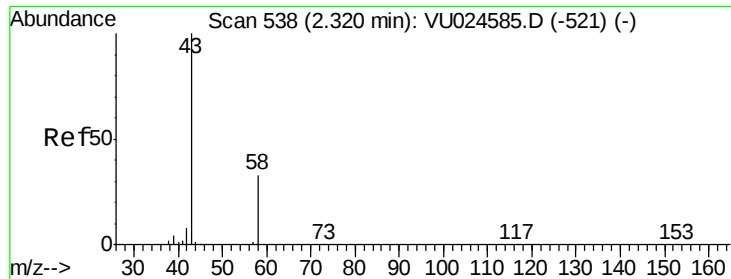


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 64.784 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

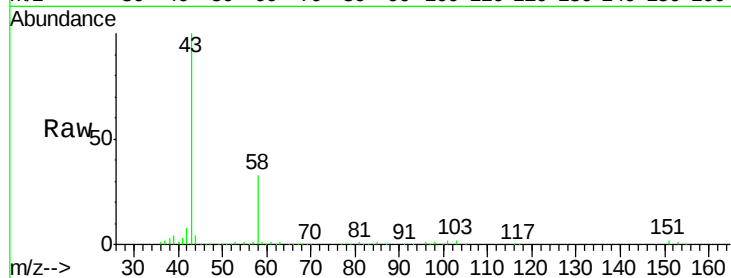
VSTD05046

Tgt Ion: 43 Resp: 114026

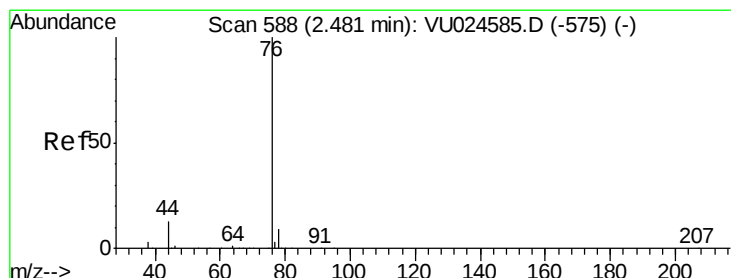
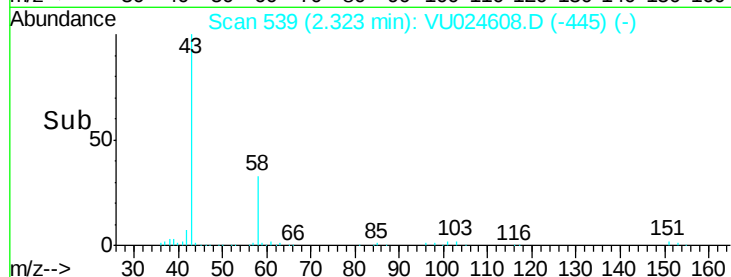
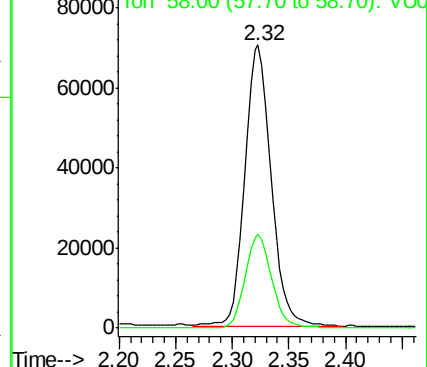
Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU024585.D (-521) (-)



#14

Carbon disulfide

Concen: 43.565 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024608.D

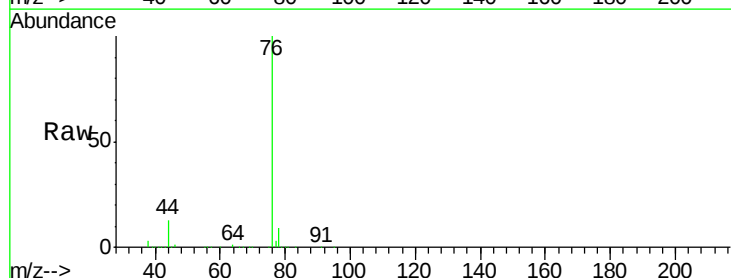
Acq: 15 Jun 2018 21:03

Tgt Ion: 76 Resp: 289572

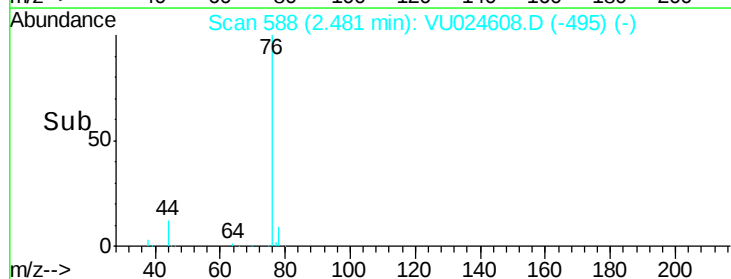
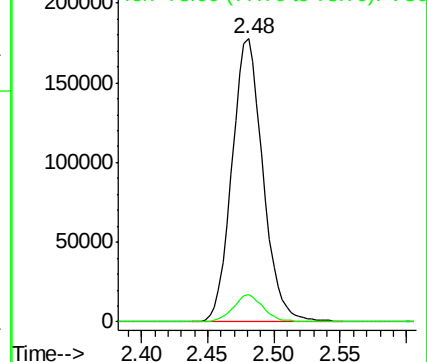
Ion Ratio Lower Upper

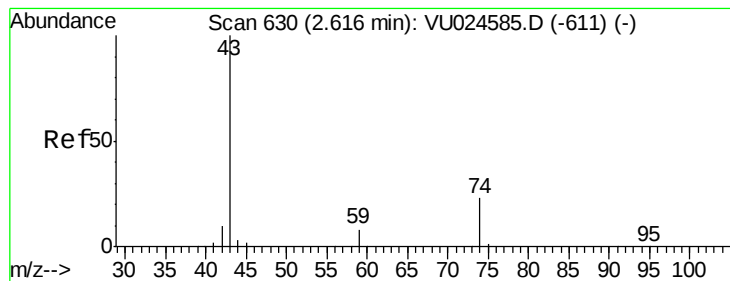
76 100

78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU024585.D (-575) (-)





#15

Methyl Acetate

Concen: 50.057 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

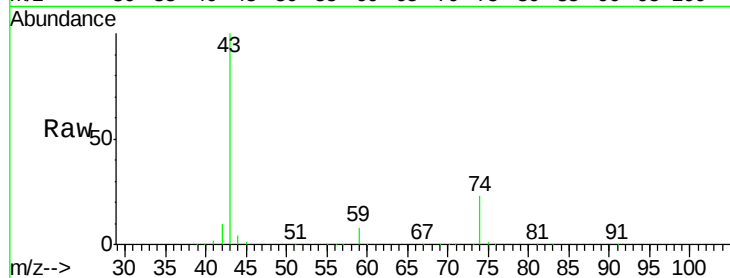
VSTD05046

Tgt Ion: 43 Resp: 135026

Ion Ratio Lower Upper

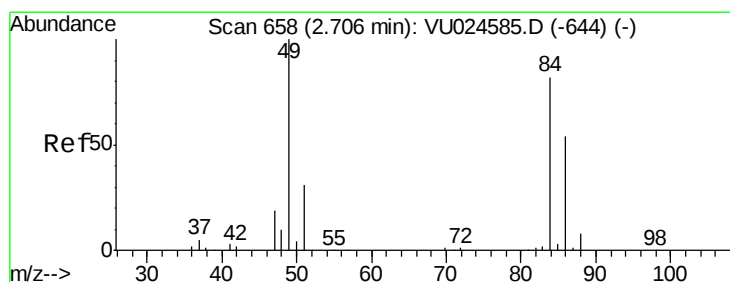
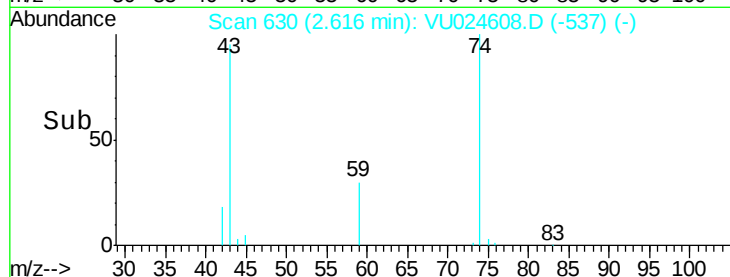
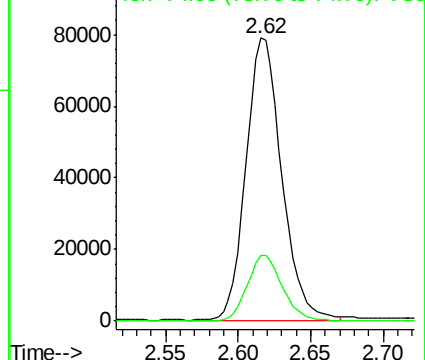
43 100

74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 45.842 ug/L

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

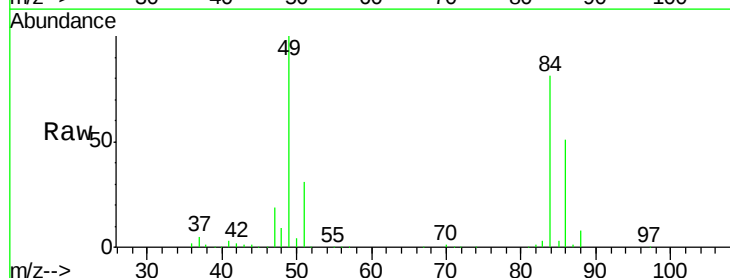
Tgt Ion: 84 Resp: 114349

Ion Ratio Lower Upper

84 100

86 62.7 46.1 85.7

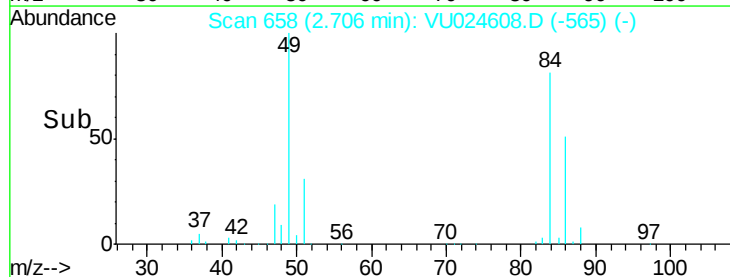
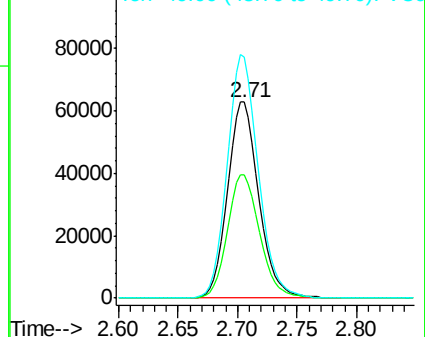
49 123.3 85.5 158.9

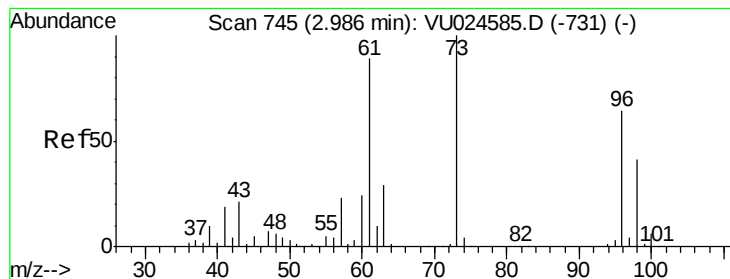


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 45.766 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

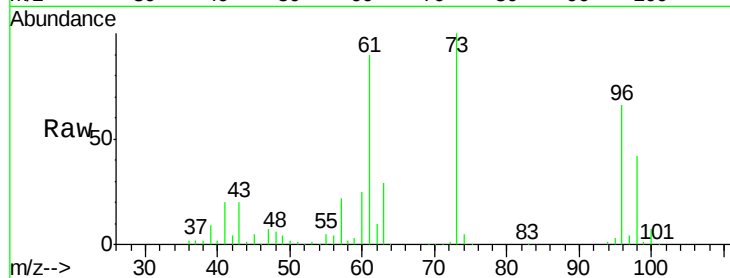
Tgt Ion: 96 Resp: 104752

Ion Ratio Lower Upper

96 100

61 135.7 97.4 180.8

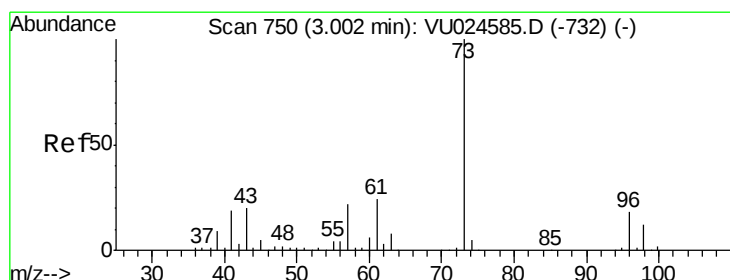
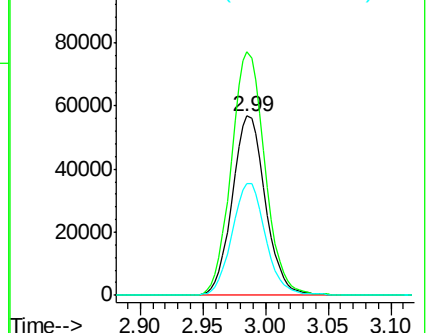
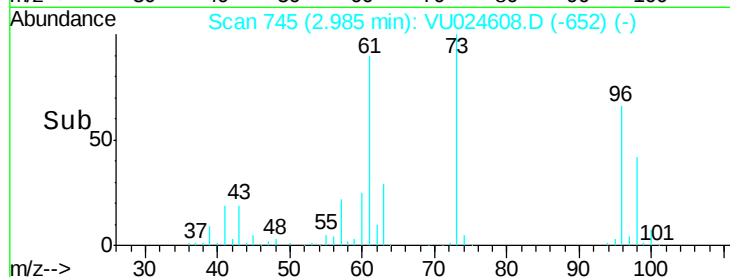
98 62.6 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU024608.D (-652) (-)

Ion 61.00 (60.70 to 61.70): VU024608.D (-652) (-)

Ion 98.00 (97.70 to 98.70): VU024608.D (-652) (-)



#18

Methyl tert-butyl Ether

Concen: 47.723 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

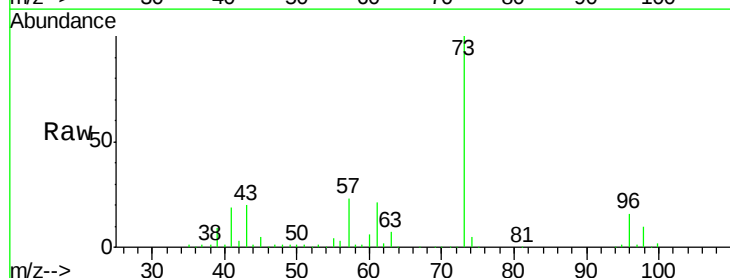
Tgt Ion: 73 Resp: 355167

Ion Ratio Lower Upper

73 100

43 20.1 16.4 24.6

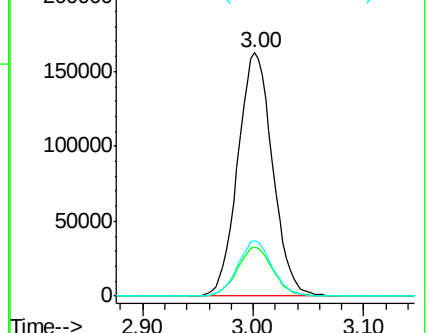
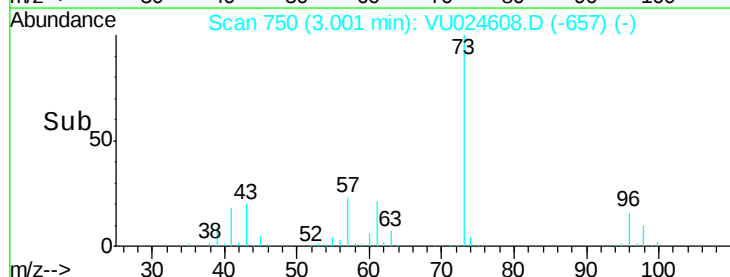
57 22.3 17.9 26.9

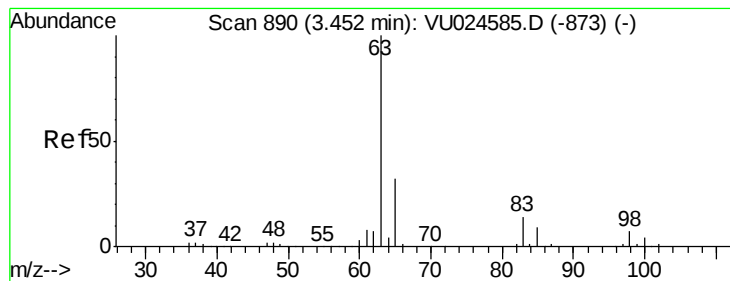


Abundance Ion 73.00 (72.70 to 73.70): VU024608.D (-657) (-)

Ion 43.00 (42.70 to 43.70): VU024608.D (-657) (-)

Ion 57.00 (56.70 to 57.70): VU024608.D (-657) (-)





#19

1,1-Dichloroethane

Concen: 47.270 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

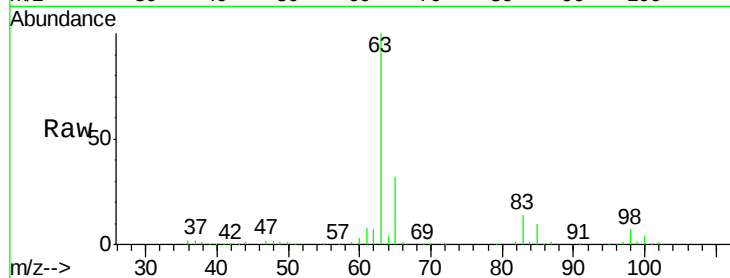
Tgt Ion: 63 Resp: 199163

Ion Ratio Lower Upper

63 100

65 32.5 22.2 41.2

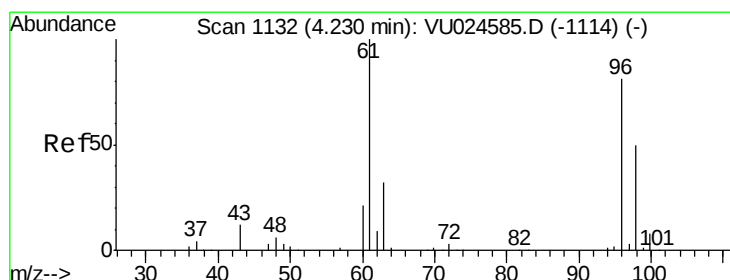
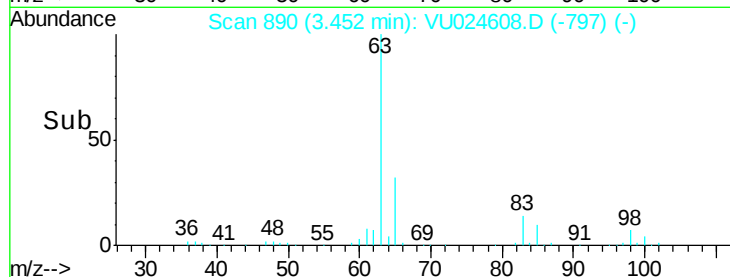
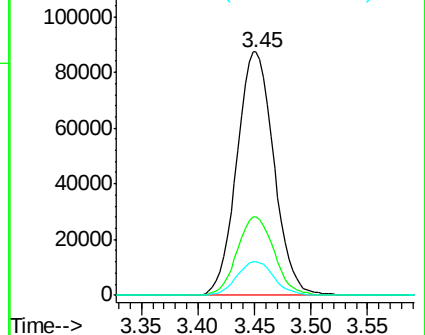
83 13.8 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VU024608.D (-797) (-)

Ion 65.00 (64.70 to 65.70): VU024608.D (-797) (-)

Ion 83.00 (82.70 to 83.70): VU024608.D (-797) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.166 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

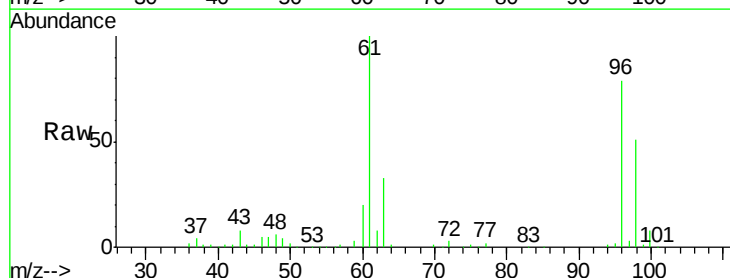
Tgt Ion: 96 Resp: 123184

Ion Ratio Lower Upper

96 100

61 126.1 87.1 161.7

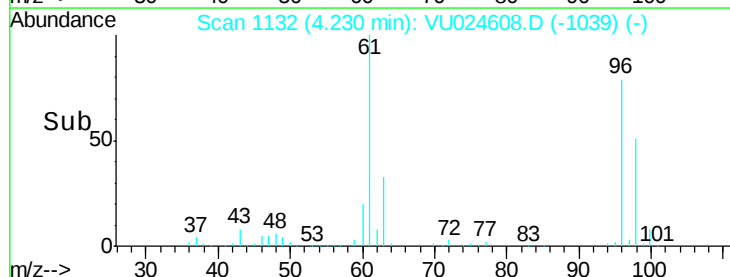
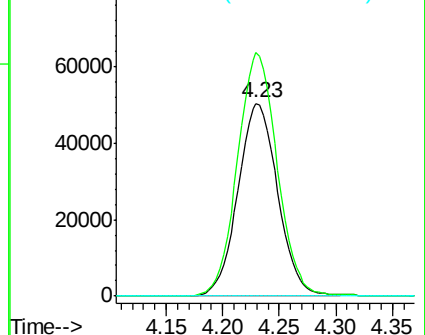
68 0.0 0.0 0.0

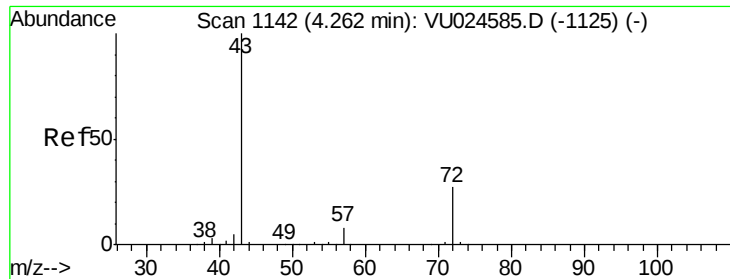


Abundance Ion 96.00 (95.70 to 96.70): VU024608.D (-1039) (-)

Ion 61.00 (60.70 to 61.70): VU024608.D (-1039) (-)

Ion 68.00 (67.70 to 68.70): VU024608.D (-1039) (-)





#22

2-Butanone

Concen: 87.660 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

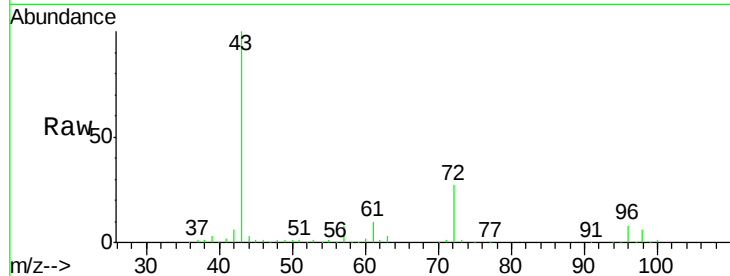
VSTD05046

Tgt Ion: 43 Resp: 196611

Ion Ratio Lower Upper

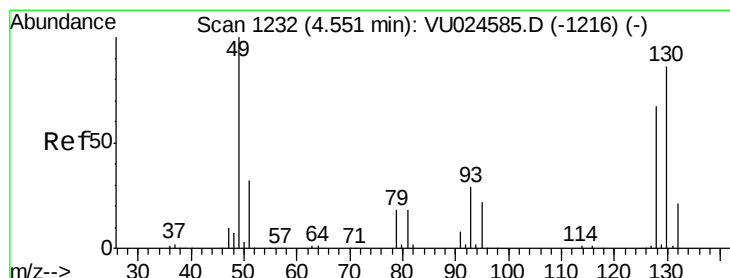
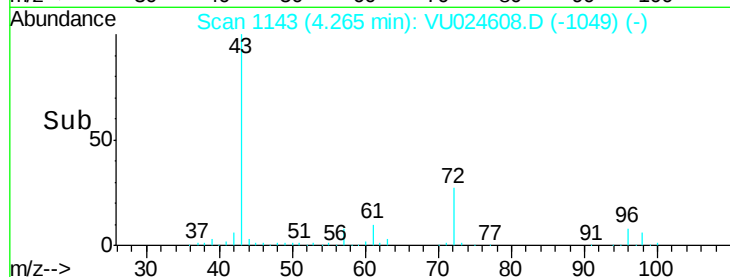
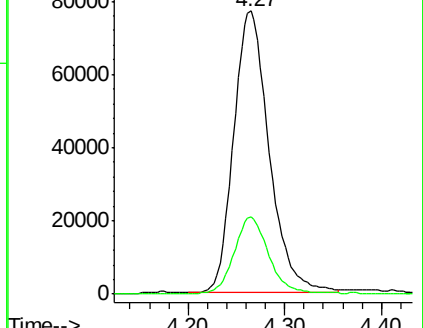
43 100

72 27.0 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU024585.D (-1125) (-)

Ion 72.00 (71.70 to 72.70): VU024585.D (-1125) (-)



#23

Bromochloromethane

Concen: 47.610 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Tgt Ion: 128 Resp: 63724

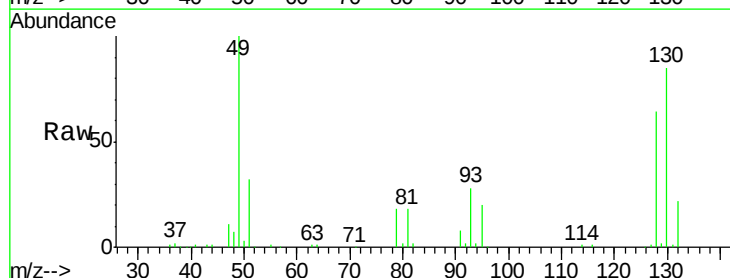
Ion Ratio Lower Upper

128 100

49 157.5 104.7 194.5

130 134.5 90.2 167.6

51 49.8 38.4 57.6

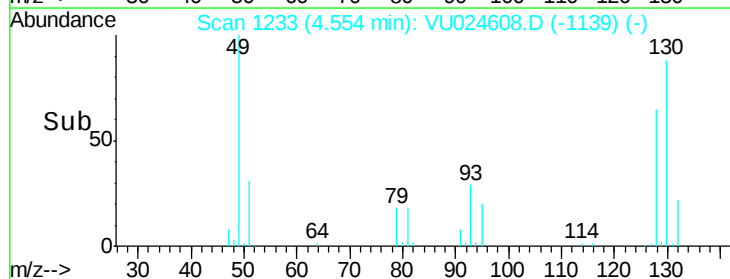
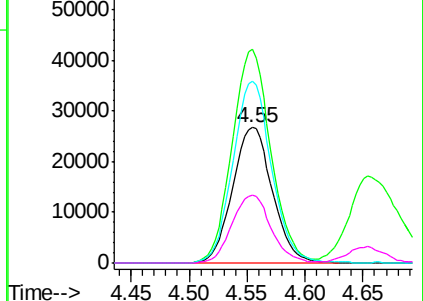


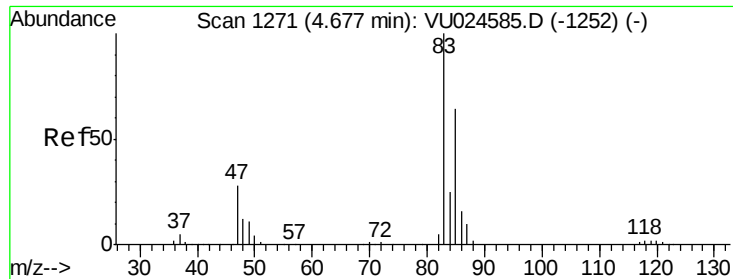
Abundance Ion 128.00 (127.70 to 128.70): VU024585.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU024585.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU024585.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU024585.D (-1216) (-)

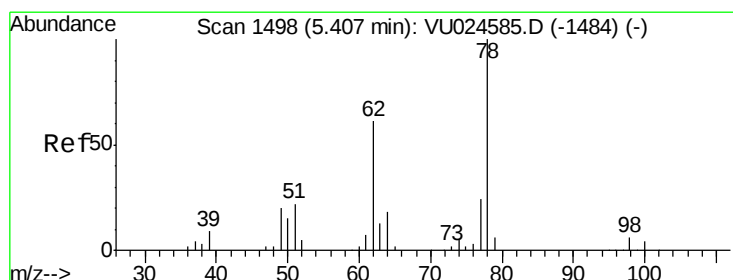
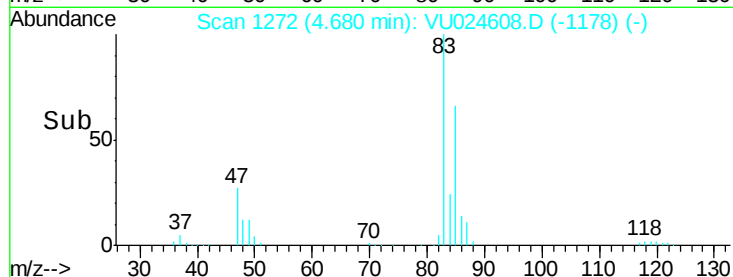
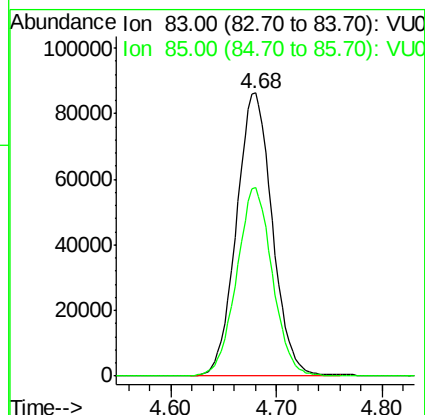
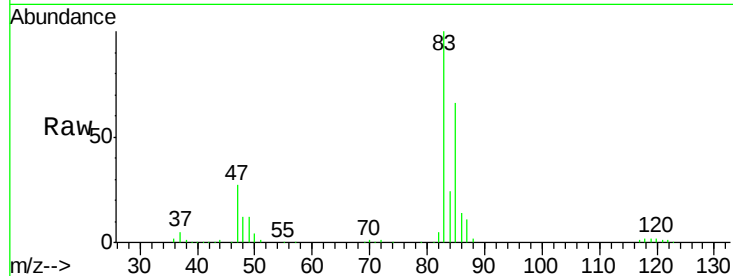




#25
Chloroform
Concen: 46.907 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

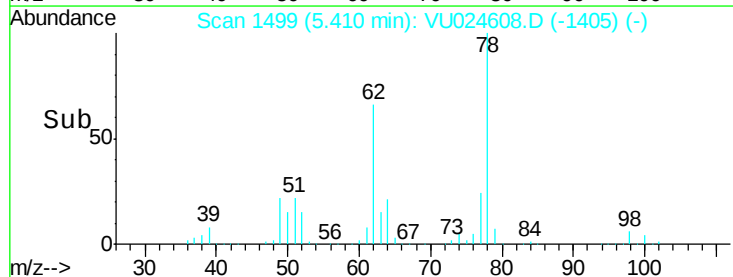
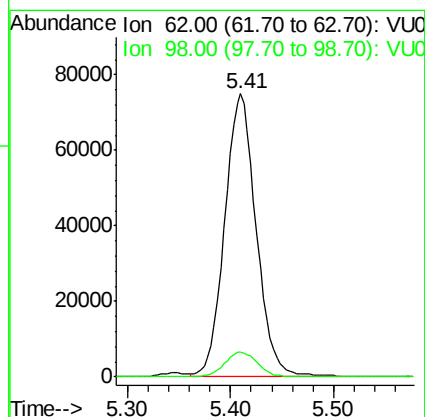
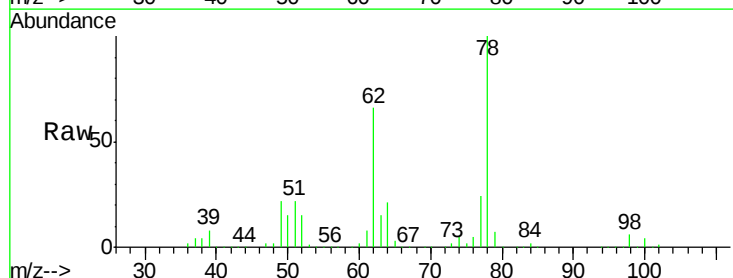
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

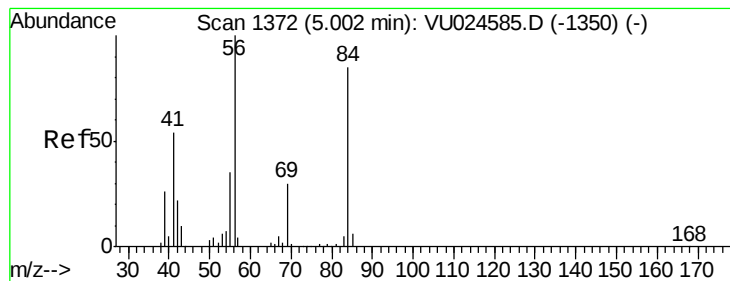
Tgt Ion: 83 Resp: 203858
Ion Ratio Lower Upper
83 100
85 66.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 47.231 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Tgt Ion: 62 Resp: 158206
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2





#29

Cyclohexane

Concen: 48.314 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

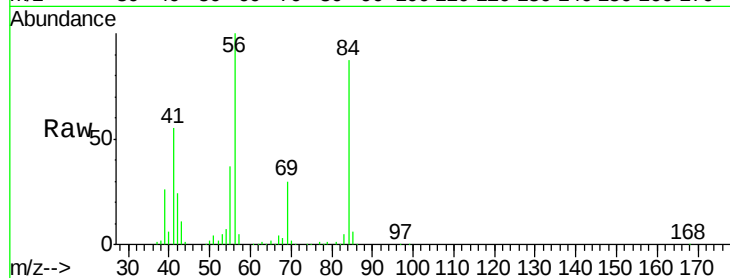
Tgt Ion: 56 Resp: 185050

Ion Ratio Lower Upper

56 100

69 30.6 24.7 37.1

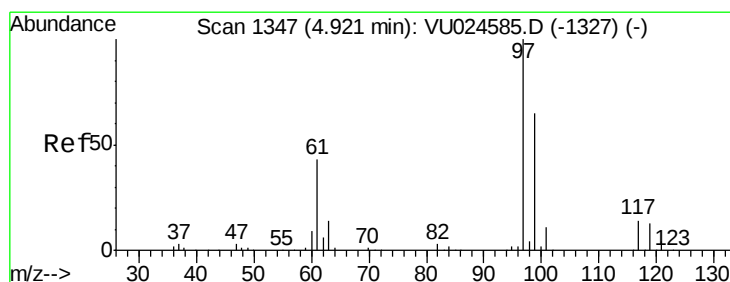
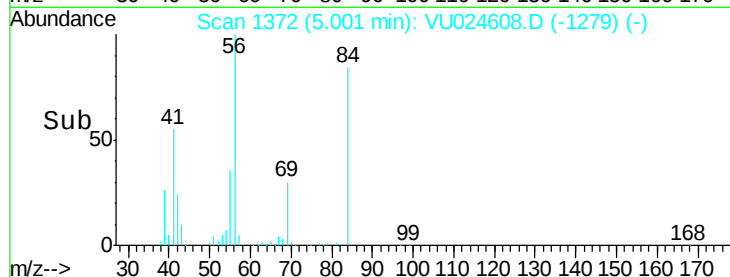
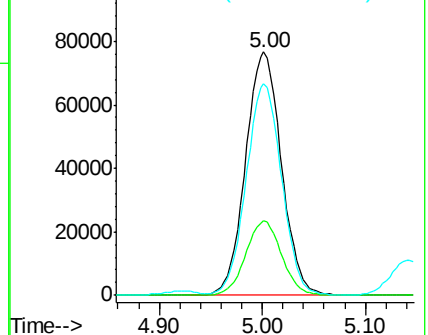
84 86.3 68.8 103.2



Abundance Ion 56.00 (55.70 to 56.70): VU024608.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU024608.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU024608.D (-1279) (-)



#30

1,1,1-Trichloroethane

Concen: 47.806 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

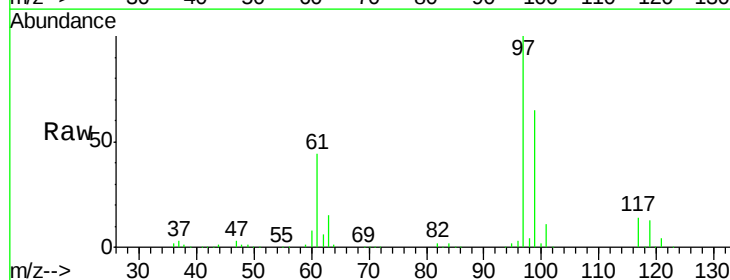
Tgt Ion: 97 Resp: 178932

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

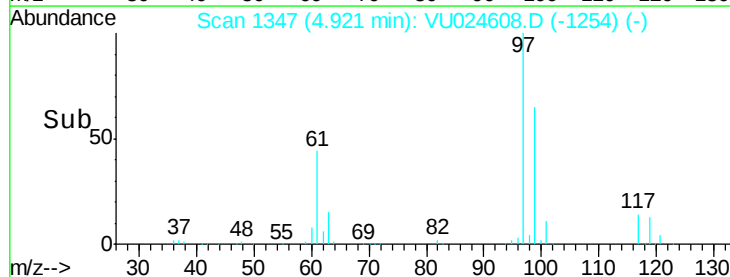
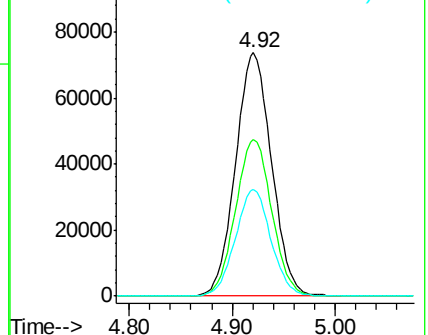
61 43.3 33.8 50.8

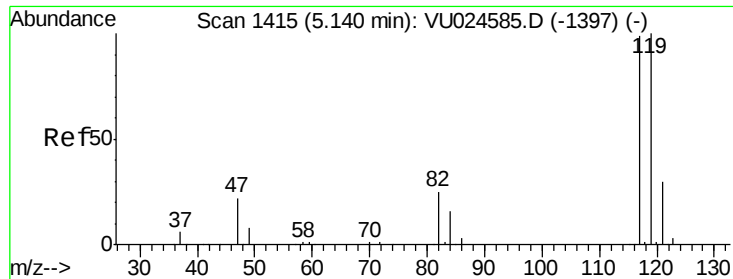


Abundance Ion 97.00 (96.70 to 97.70): VU024608.D (-1254) (-)

Ion 99.00 (98.70 to 99.70): VU024608.D (-1254) (-)

Ion 61.05 (60.75 to 61.75): VU024608.D (-1254) (-)

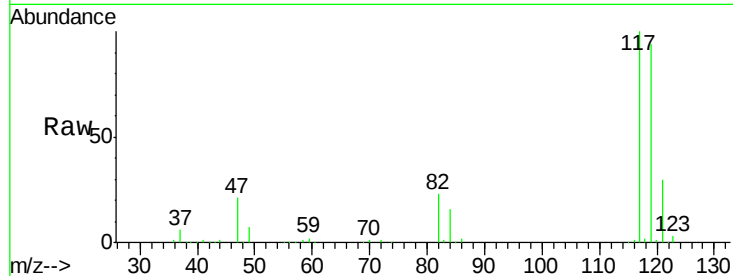




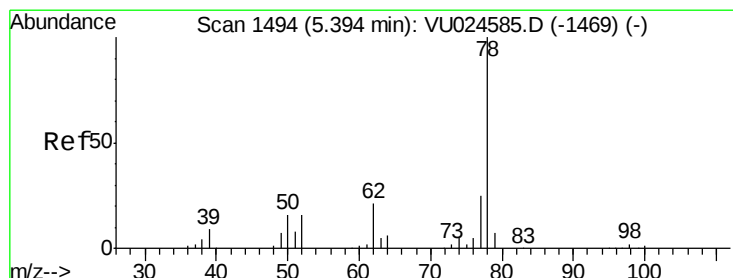
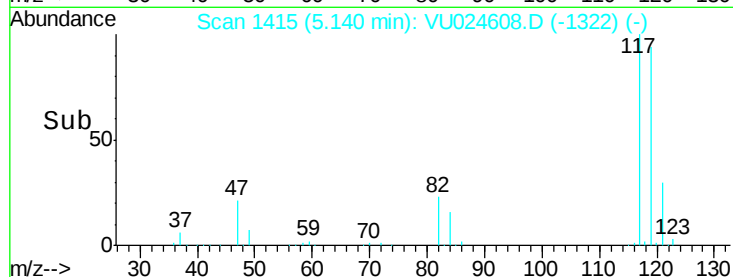
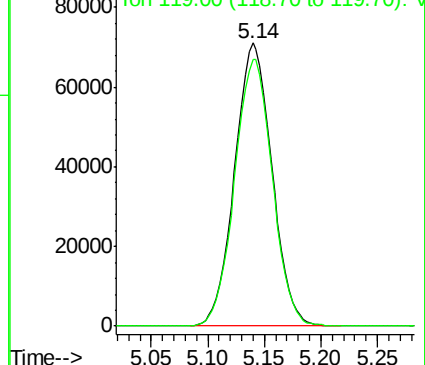
#31
Carbon tetrachloride
Concen: 47.630 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion:117 Resp: 163170
Ion Ratio Lower Upper
117 100
119 95.4 77.7 116.5

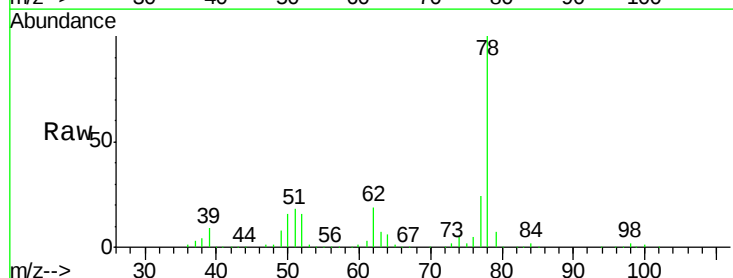


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

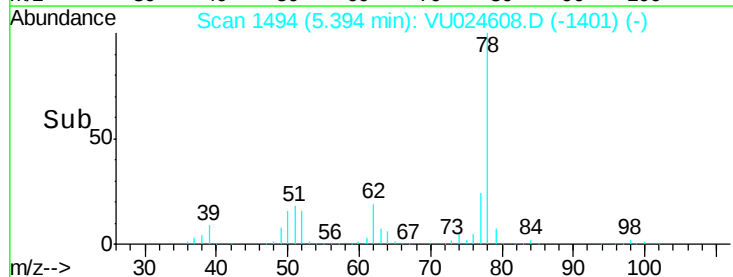
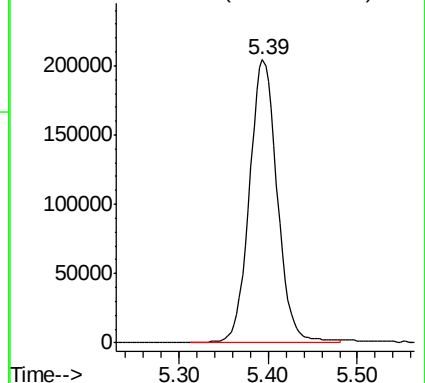


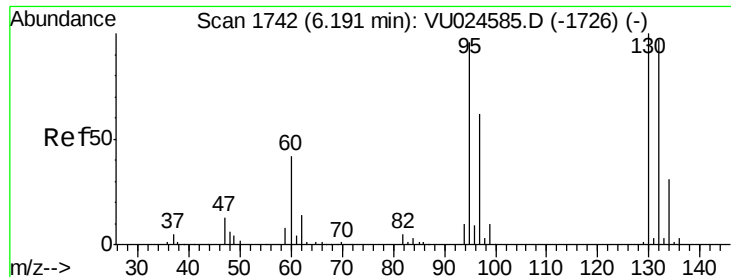
#33
Benzene
Concen: 49.144 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Tgt Ion: 78 Resp: 446207



Abundance Ion 78.00 (77.70 to 78.70): VU0

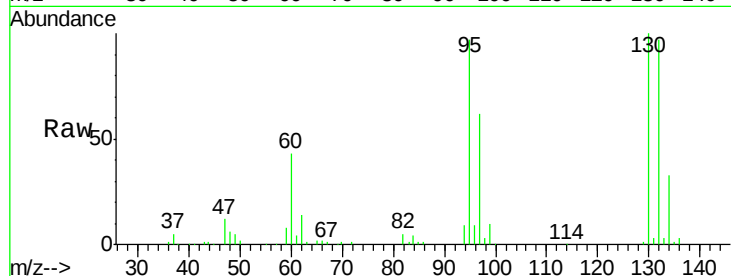




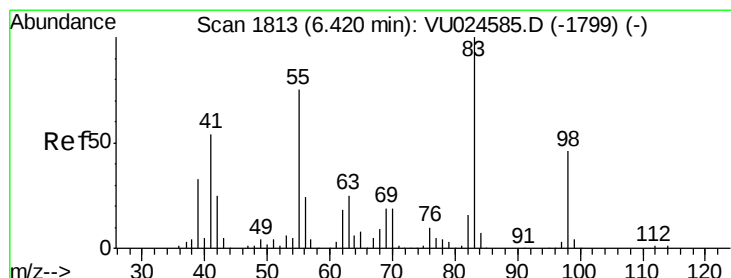
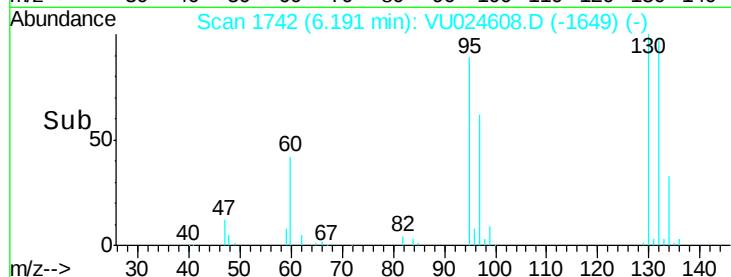
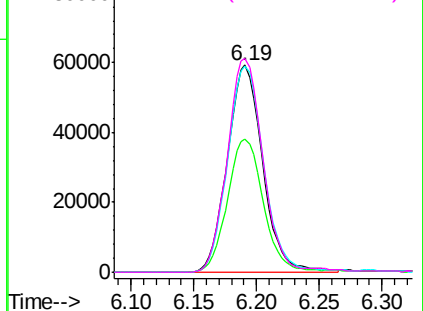
#34
 Trichloroethene
 Concen: 46.412 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion: 95 Resp: 116463
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.8 83.2
 132 100.0 70.4 130.8
 130 103.3 72.6 134.8

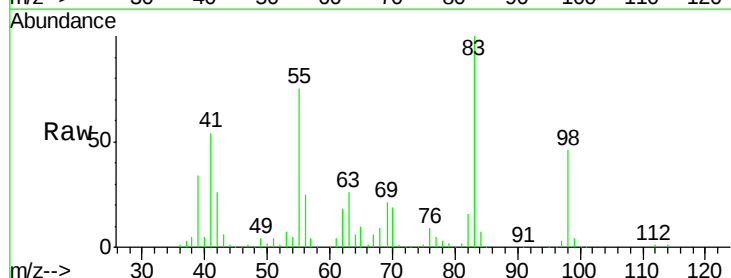


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

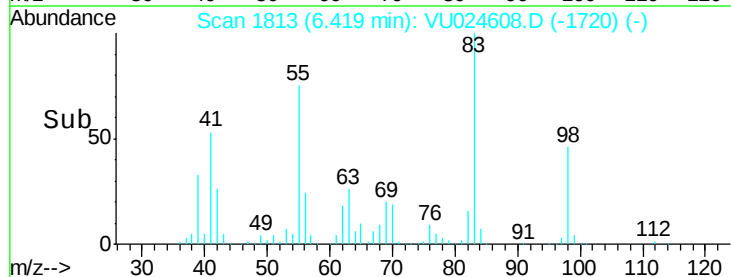
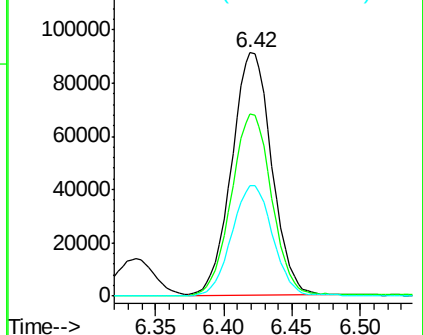


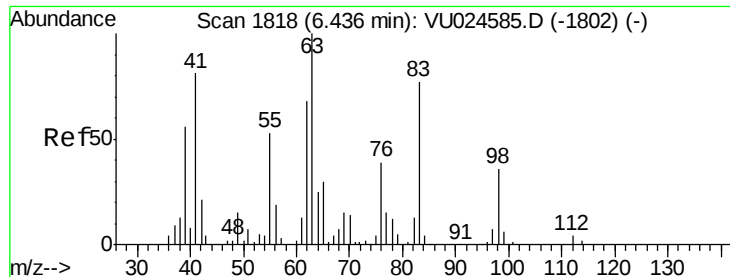
#35
 Methylcyclohexane
 Concen: 45.924 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion: 83 Resp: 185254
 Ion Ratio Lower Upper
 83 100
 55 75.0 59.4 89.0
 98 46.7 37.6 56.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

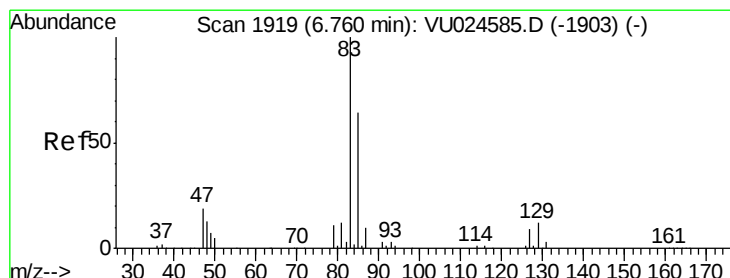
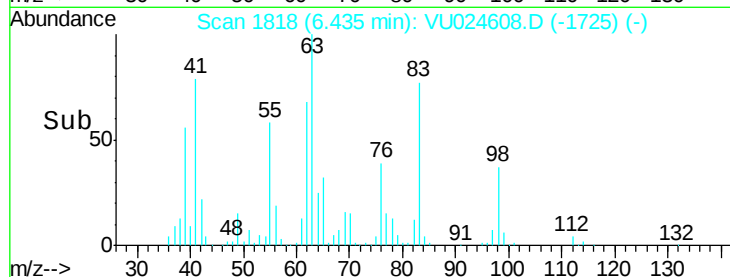
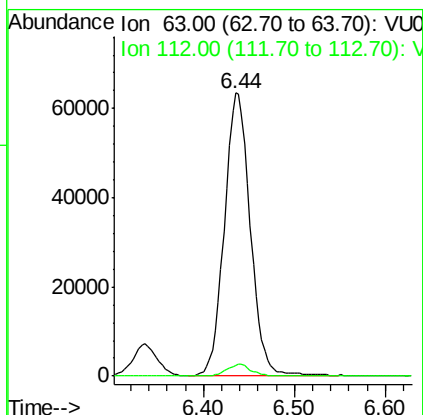
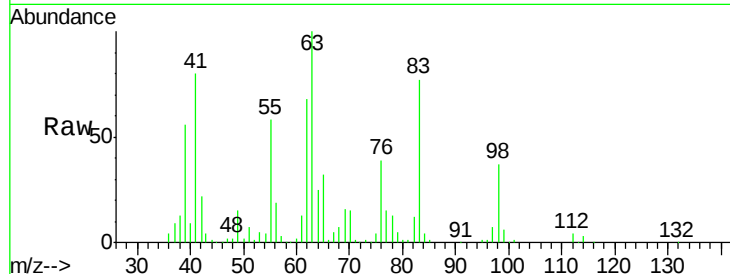




#37
 1,2-Dichloropropane
 Concen: 49.876 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

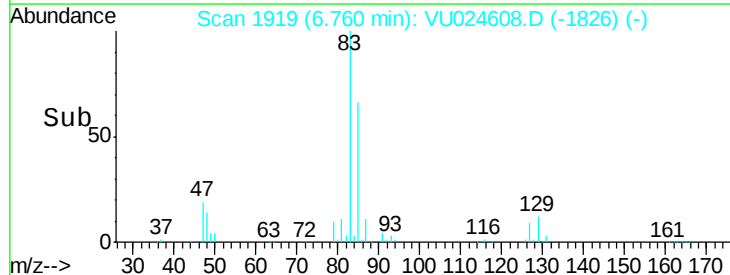
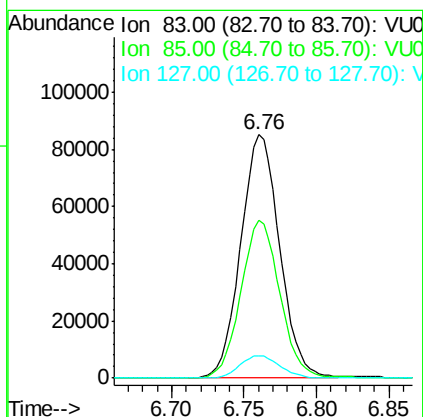
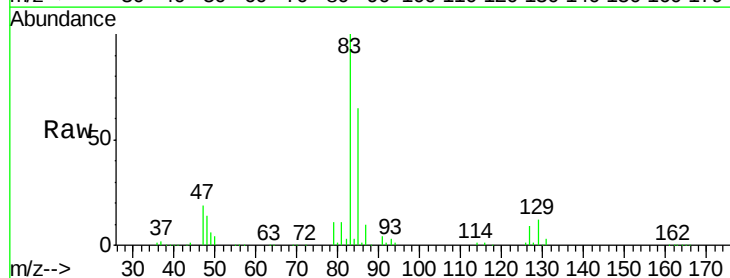
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

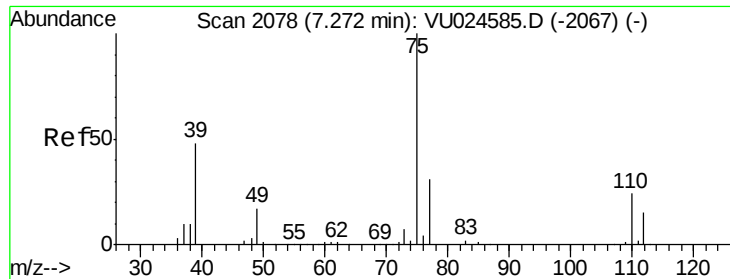
Tgt Ion: 63 Resp: 125878
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.772 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion: 83 Resp: 158922
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.3
 127 9.2 7.6 11.4

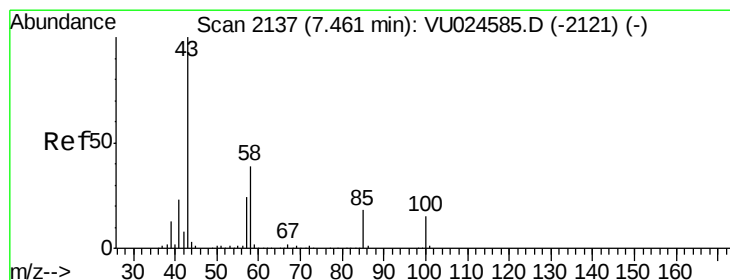
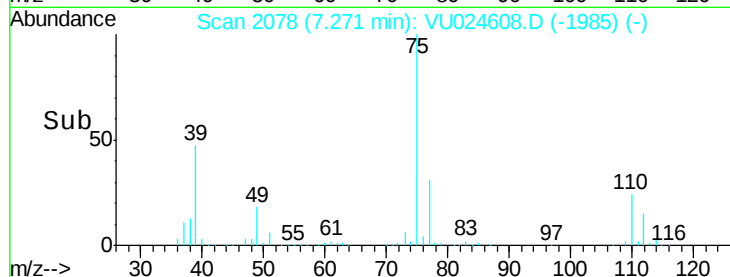
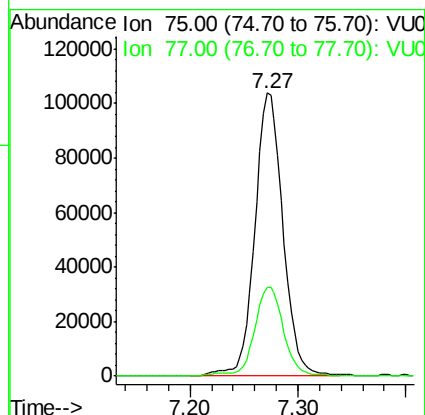
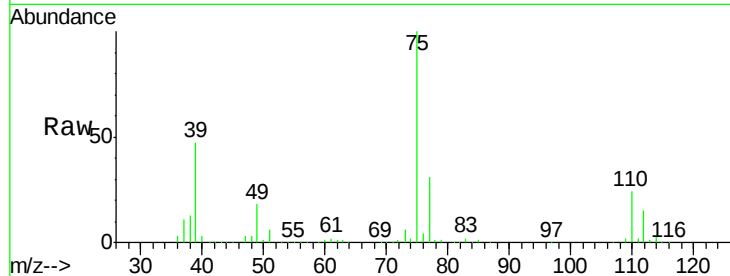




#39
 cis-1,3-Dichloropropene
 Concen: 47.575 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

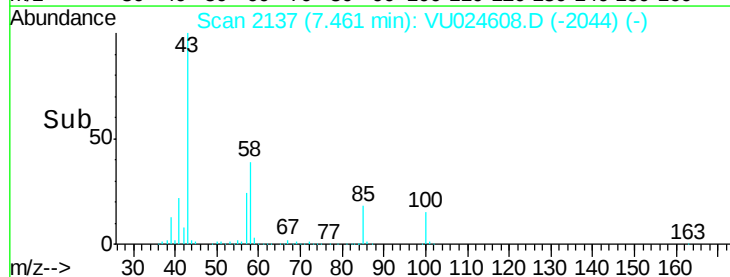
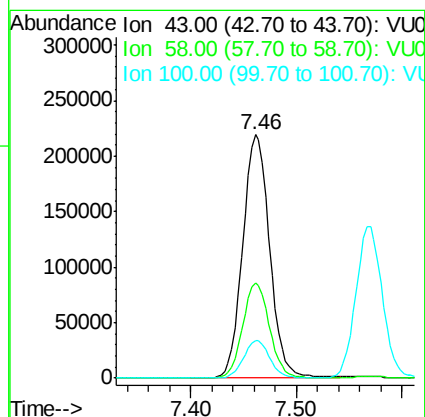
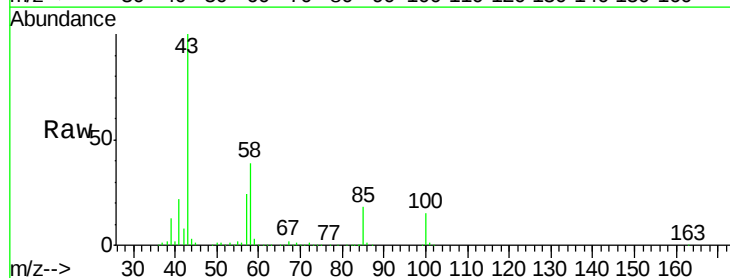
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

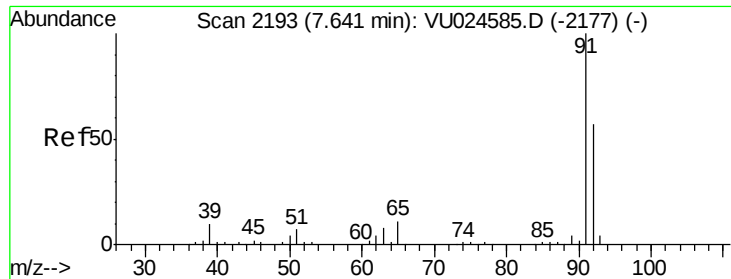
Tgt Ion: 75 Resp: 188214
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 103.376 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion: 43 Resp: 387394
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.0 46.6
 100 15.1 12.0 18.0





#42

Toluene

Concen: 48.282 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

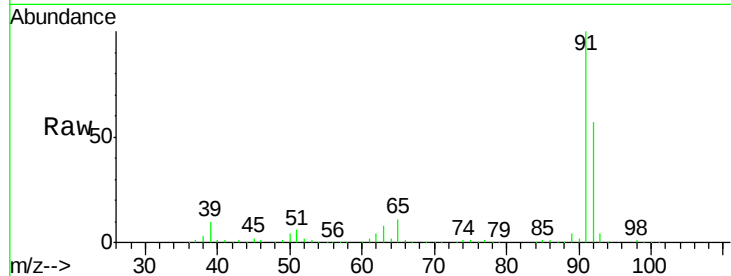
VSTD05046

Tgt Ion: 91 Resp: 487149

Ion Ratio Lower Upper

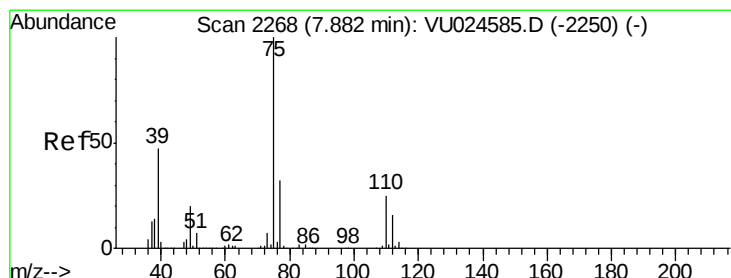
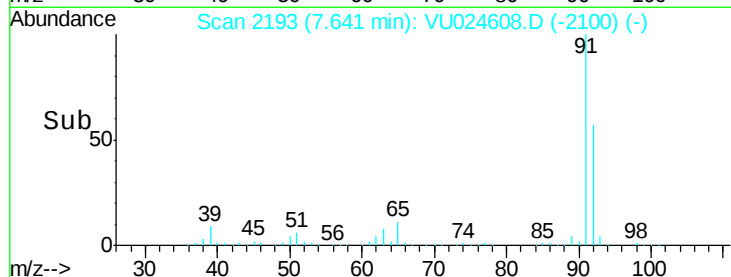
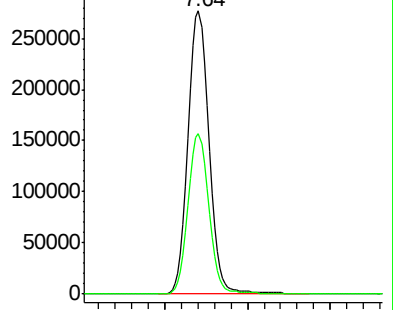
91 100

92 56.6 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VU024585.D (-2177) (-)

Ion 92.00 (91.70 to 92.70): VU024585.D (-2177) (-)



#44

trans-1,3-Dichloropropene

Concen: 47.096 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024608.D

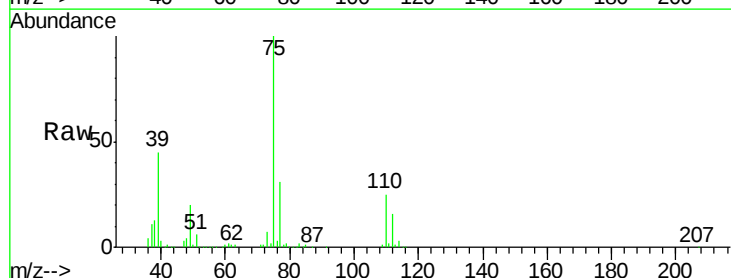
Acq: 15 Jun 2018 21:03

Tgt Ion: 75 Resp: 170394

Ion Ratio Lower Upper

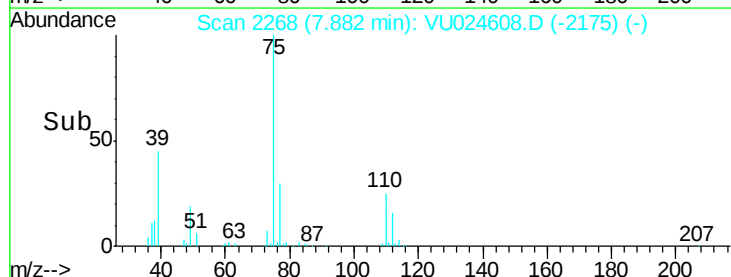
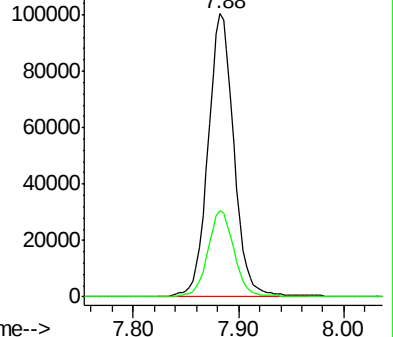
75 100

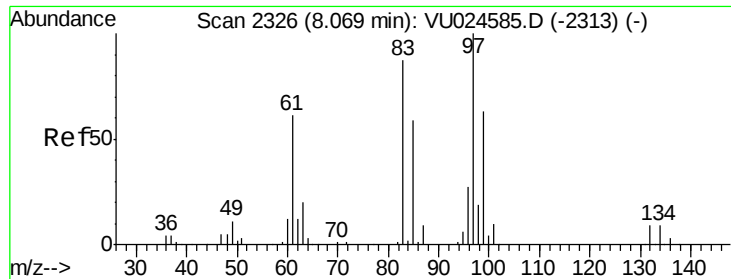
77 30.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU024585.D (-2250) (-)

Ion 77.00 (76.70 to 77.70): VU024585.D (-2250) (-)

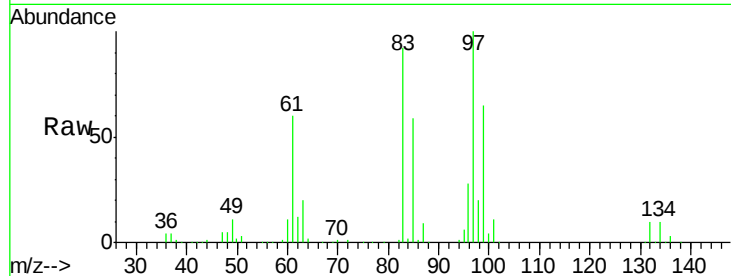




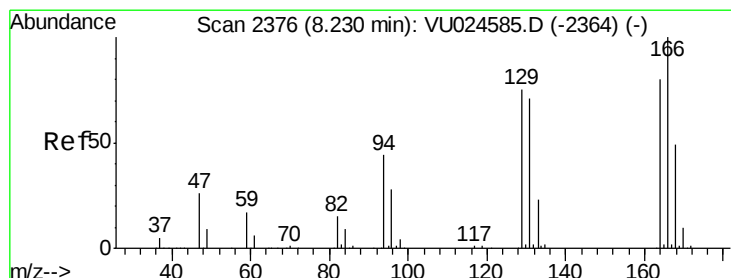
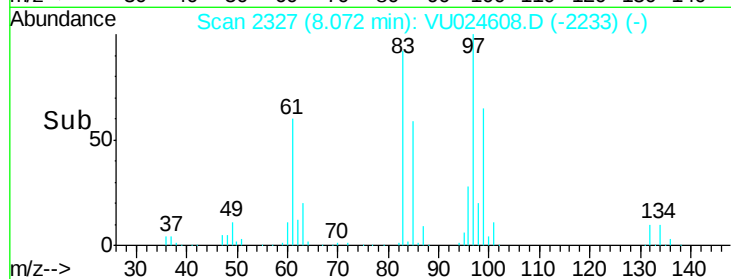
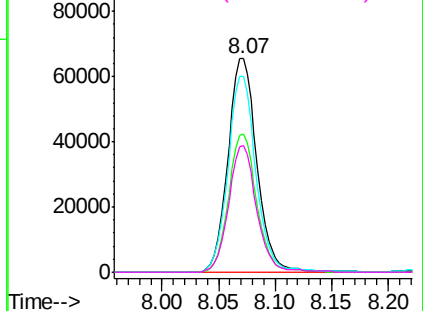
#45
 1,1,2-Trichloroethane
 Concen: 49.205 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:	97	Resp:	116851
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.0	81.8
83	91.5	61.0	113.2
85	59.4	41.3	76.7

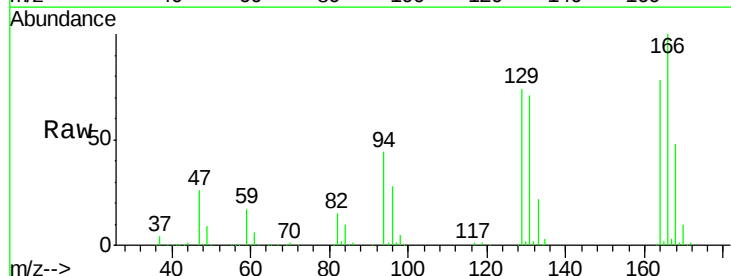


Abundance Ion 97.00 (96.70 to 97.70): VU024608.D (-2326) (-)

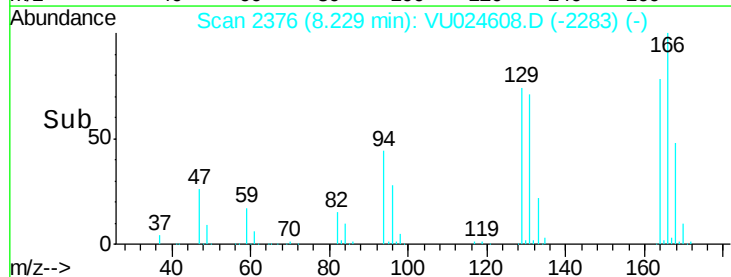
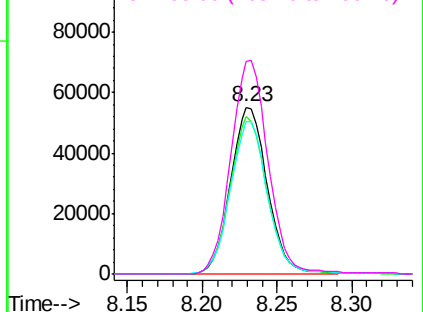


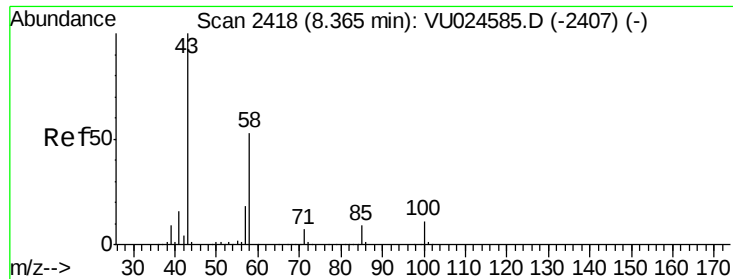
#46
 Tetrachloroethene
 Concen: 44.566 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion:	164	Resp:	94138
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.7	121.9
131	91.2	62.0	115.2
166	127.7	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU024608.D (-2376) (-)

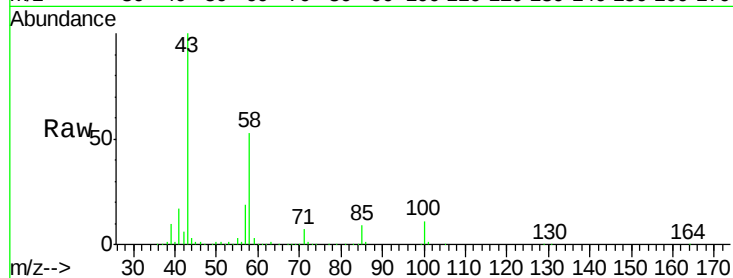




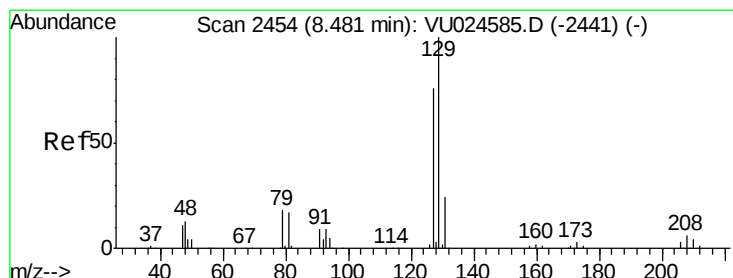
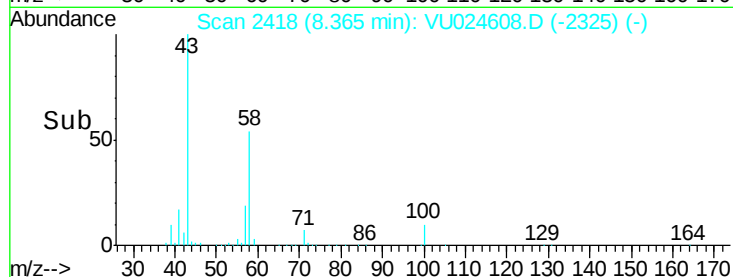
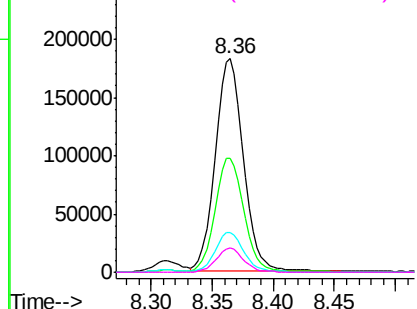
#48
2-Hexanone
Concen: 97.487 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Instrument :
MSVOA_U
ClientSampled :
VSTD05046

Tgt Ion: 43 Resp: 296853
Ion Ratio Lower Upper
43 100
58 54.3 42.6 63.8
57 18.7 14.7 22.1
100 11.2 9.0 13.4

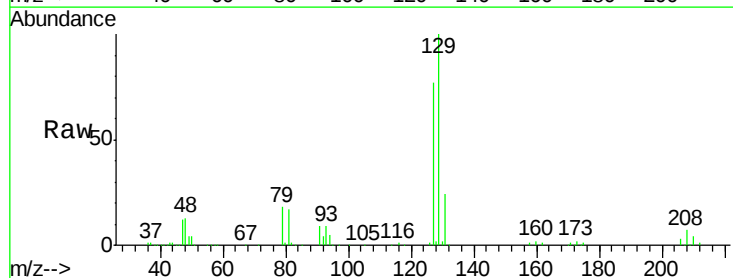


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

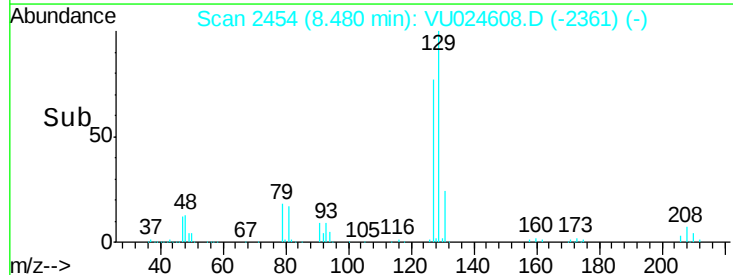
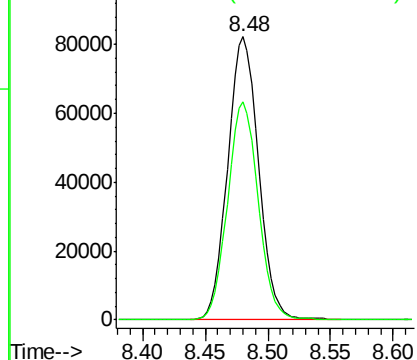


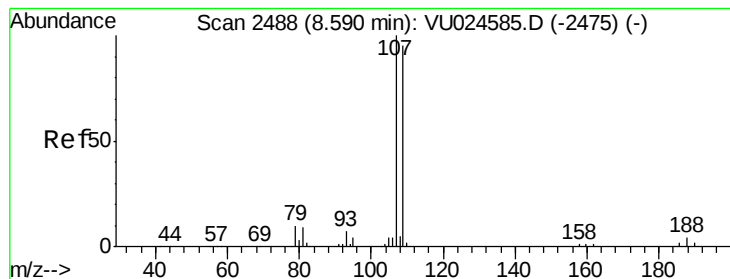
#49
Dibromochloromethane
Concen: 48.315 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Tgt Ion: 129 Resp: 140585
Ion Ratio Lower Upper
129 100
127 76.9 52.9 98.3



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





#50

1,2-Dibromoethane

Concen: 47.738 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

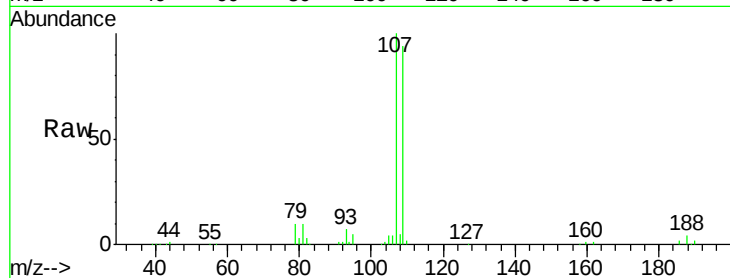
Tgt Ion:107 Resp: 124418

Ion Ratio Lower Upper

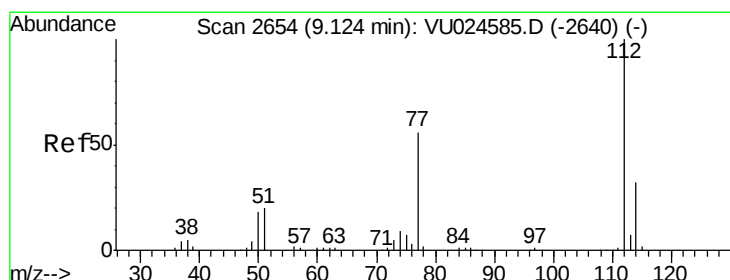
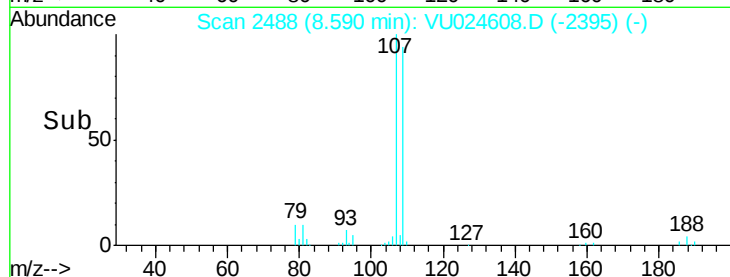
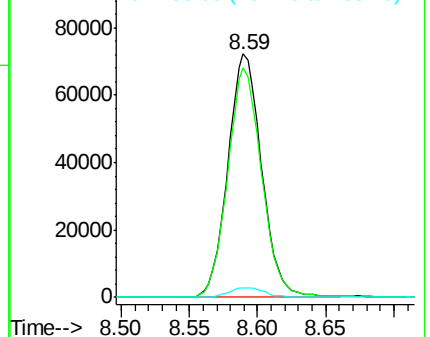
107 100

109 94.2 66.6 123.6

188 4.0 3.0 4.6



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



#51

Chlorobenzene

Concen: 46.800 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

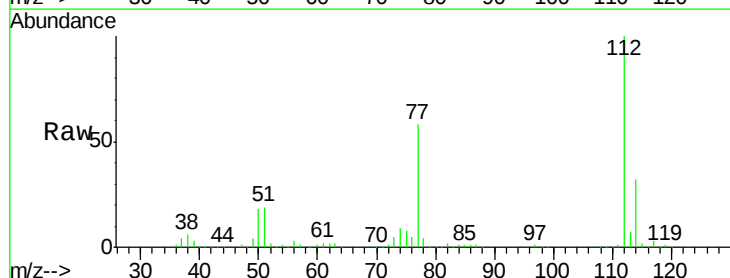
Tgt Ion:112 Resp: 316435

Ion Ratio Lower Upper

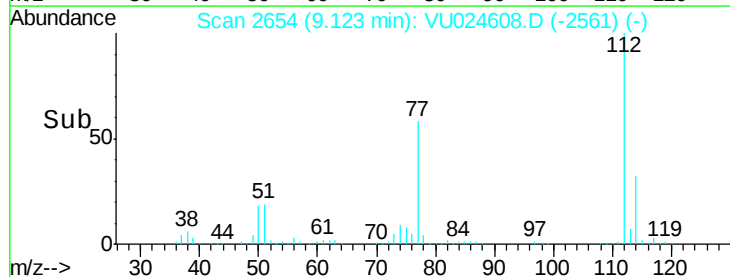
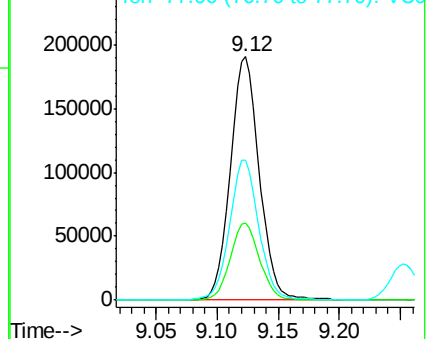
112 100

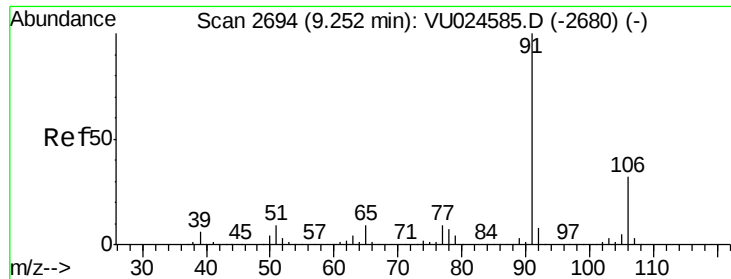
114 31.8 22.7 42.1

77 57.7 45.0 67.6



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

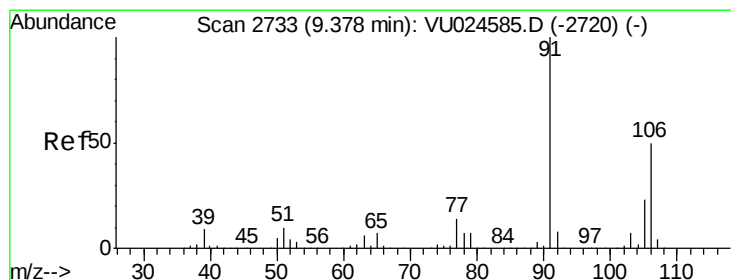
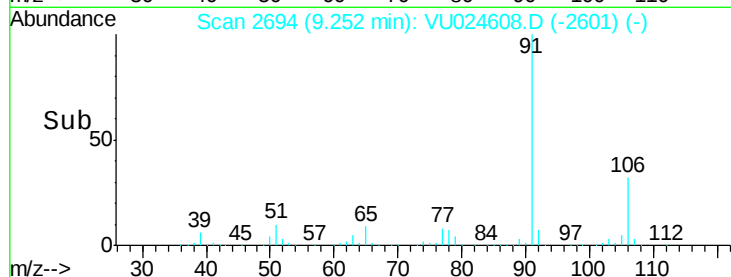
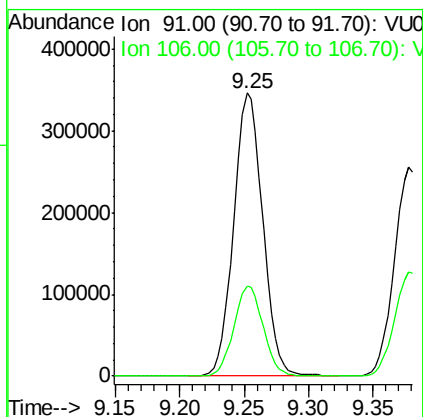
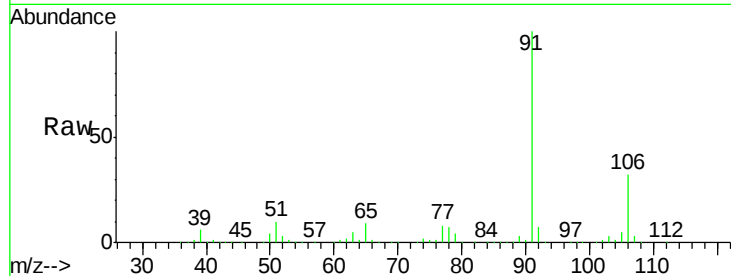




#52
Ethylbenzene
Concen: 46.845 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

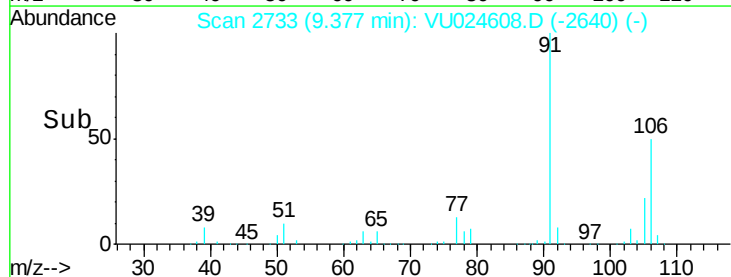
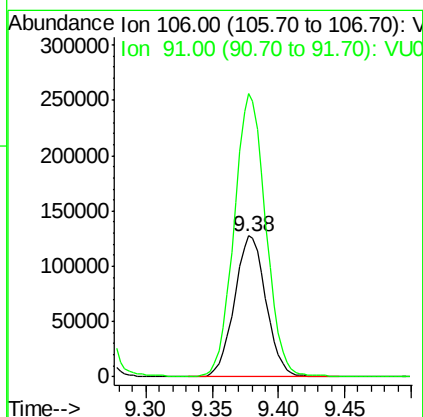
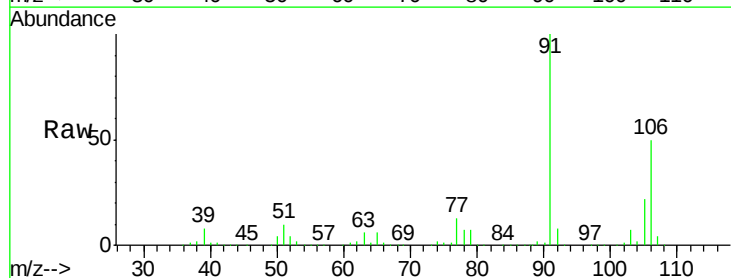
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

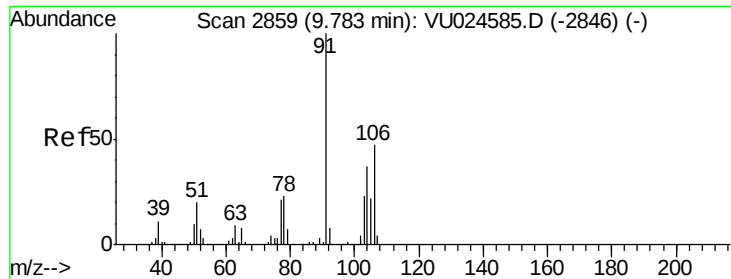
Tgt Ion: 91 Resp: 541882
Ion Ratio Lower Upper
91 100
106 31.7 22.0 41.0



#53
m,p-Xylene
Concen: 47.471 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024608.D
Acq: 15 Jun 2018 21:03

Tgt Ion: 106 Resp: 211314
Ion Ratio Lower Upper
106 100
91 201.0 141.5 262.7





#54

o-xylene

Concen: 48.007 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

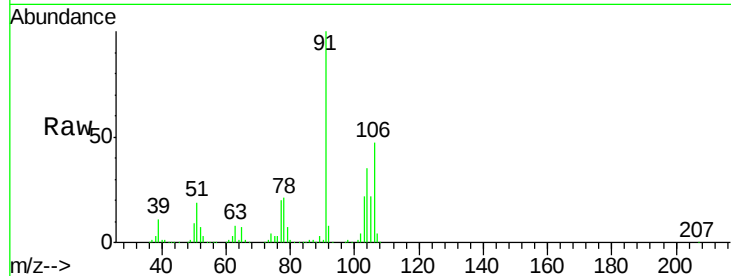
VSTD05046

Tgt Ion:106 Resp: 210826

Ion Ratio Lower Upper

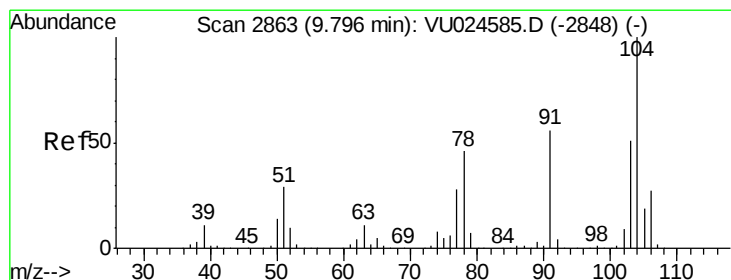
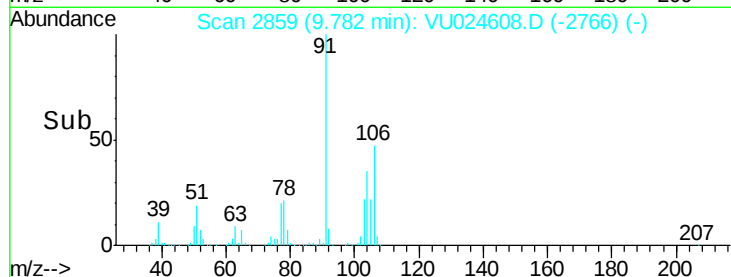
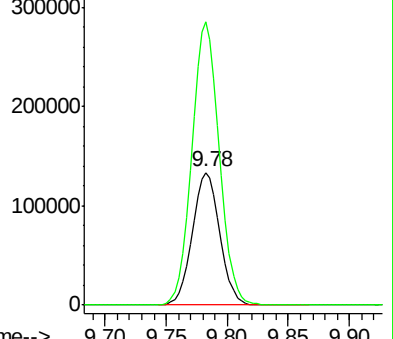
106 100

91 213.4 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 46.786 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024608.D

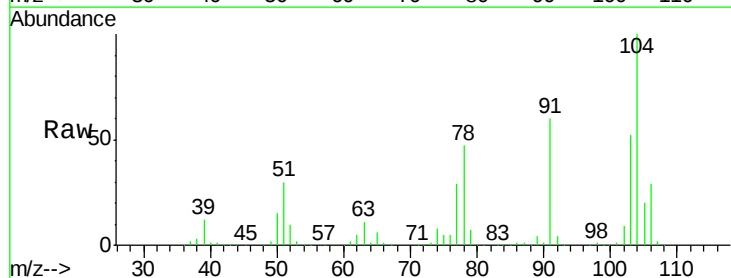
Acq: 15 Jun 2018 21:03

Tgt Ion:104 Resp: 349369

Ion Ratio Lower Upper

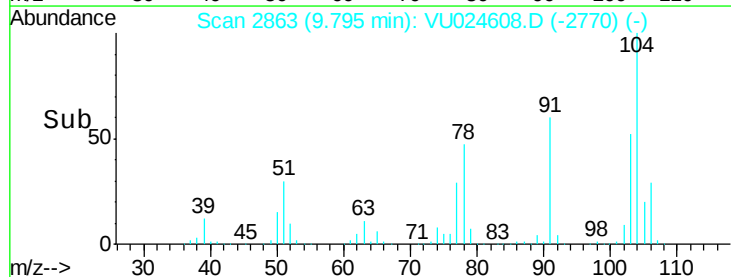
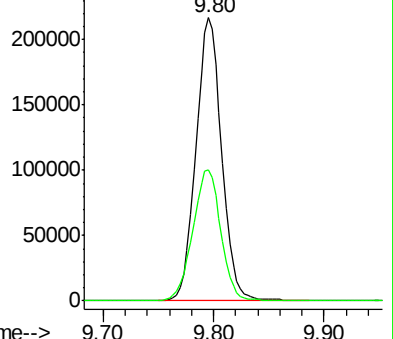
104 100

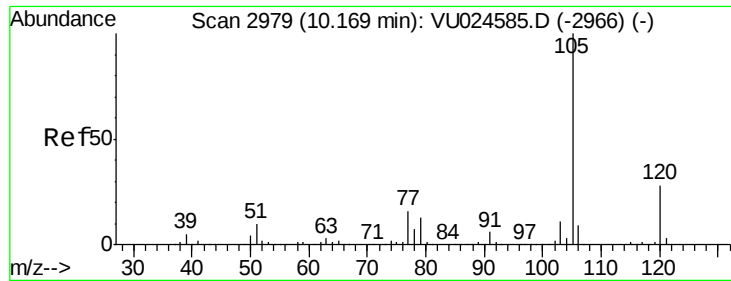
78 46.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.372 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

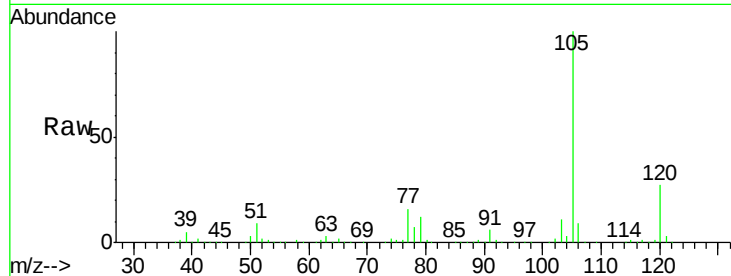
Tgt Ion: 105 Resp: 548890

Ion Ratio Lower Upper

105 100

120 27.2 22.1 33.1

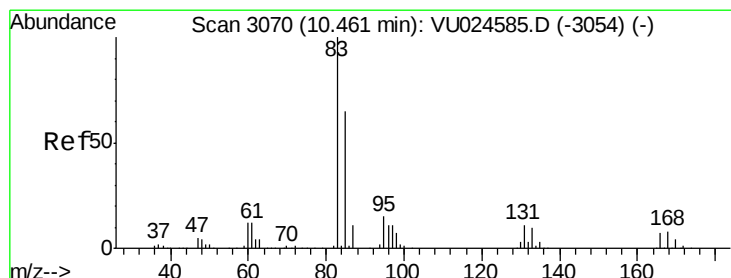
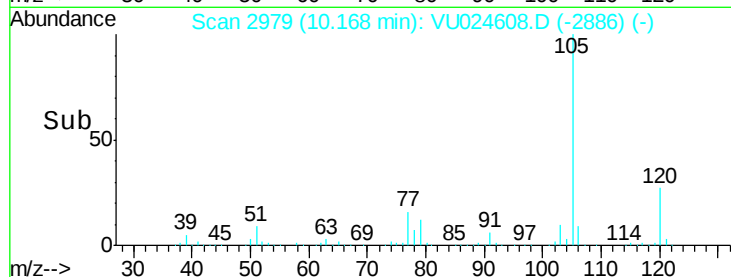
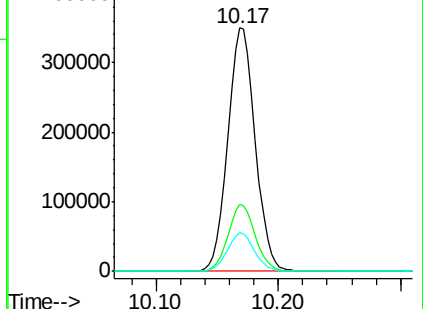
77 15.5 12.7 19.1



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: 49.209 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

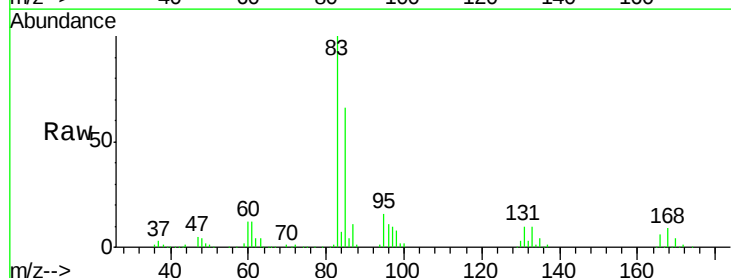
Tgt Ion: 83 Resp: 201356

Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

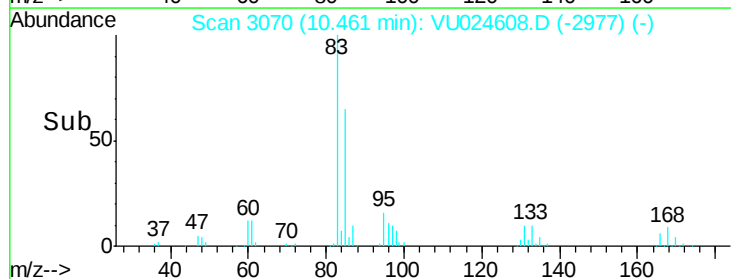
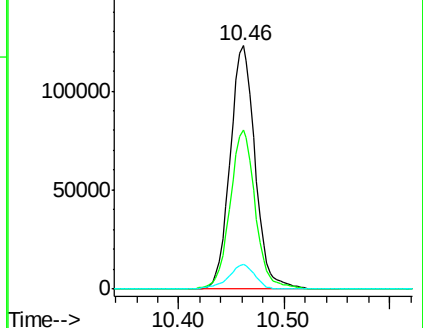
131 10.1 8.6 12.8

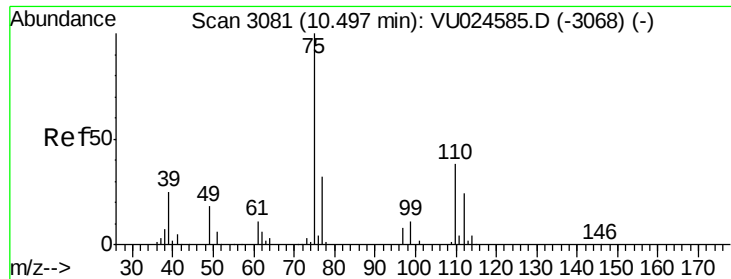


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.370 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

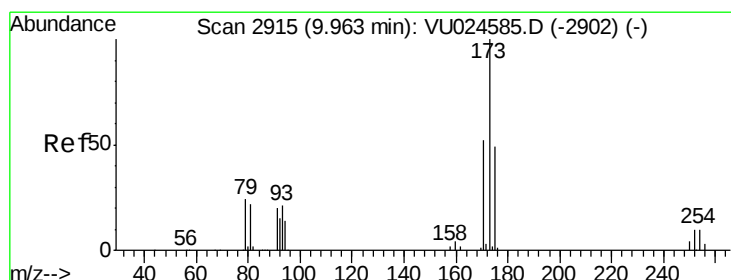
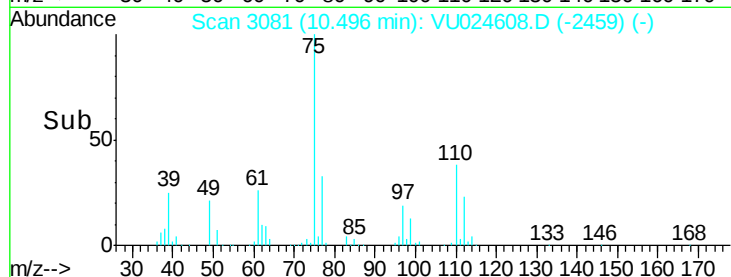
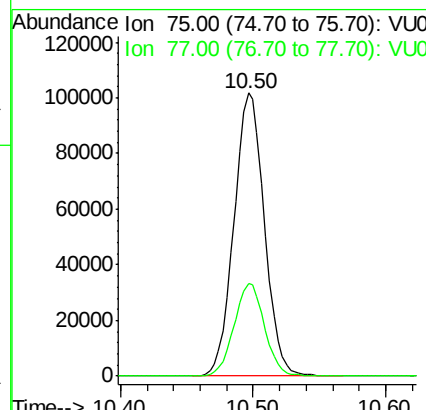
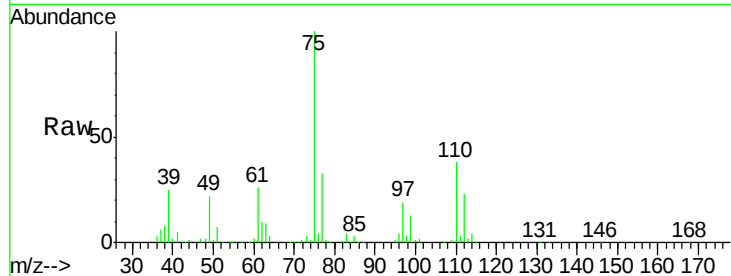
VSTD05046

Tgt Ion: 75 Resp: 161603

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



#61

Bromoform

Concen: 50.763 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

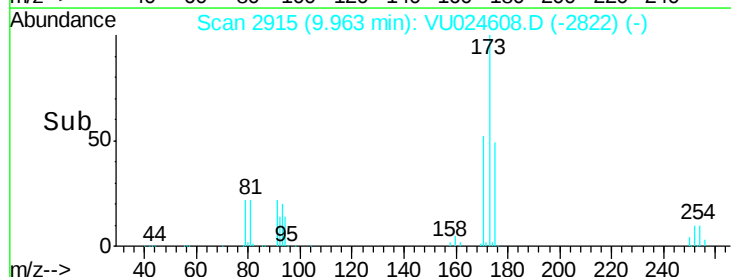
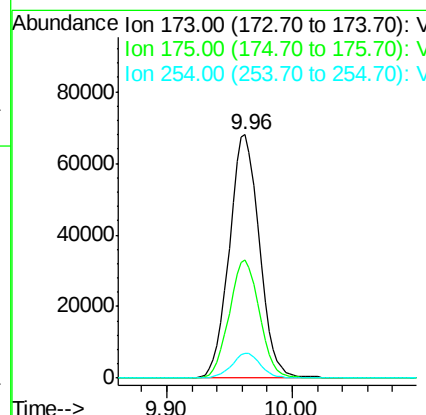
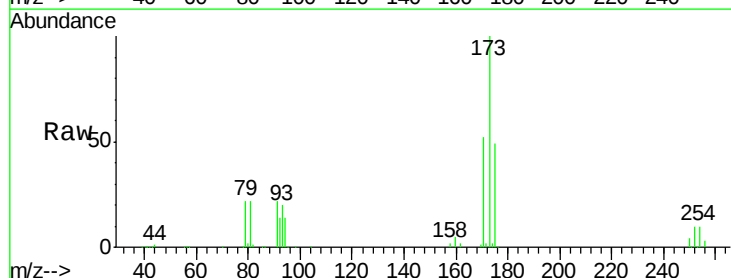
Tgt Ion: 173 Resp: 113284

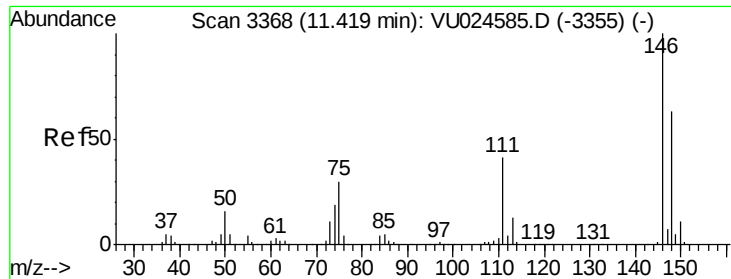
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 9.8 7.8 11.6

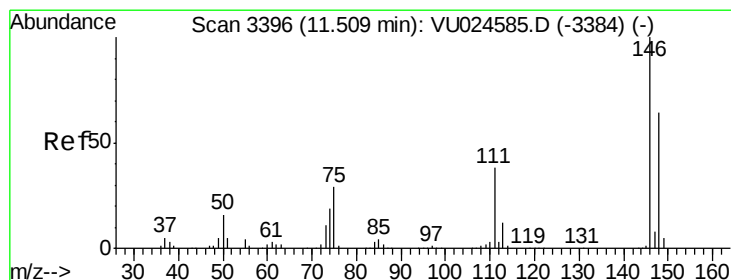
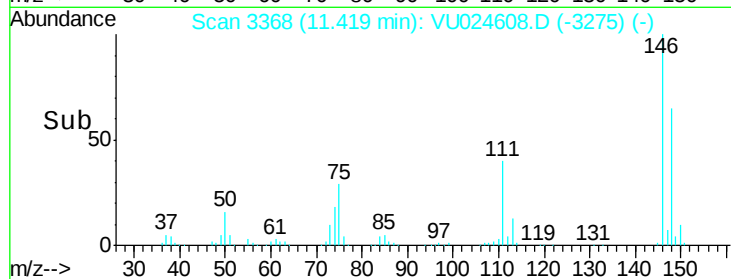
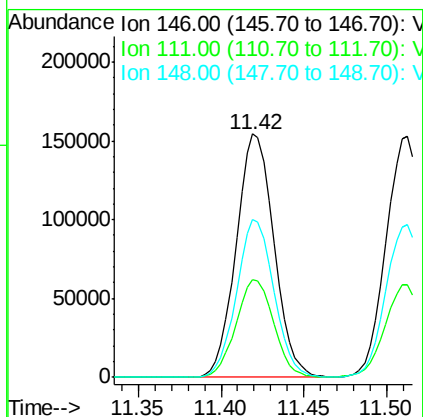
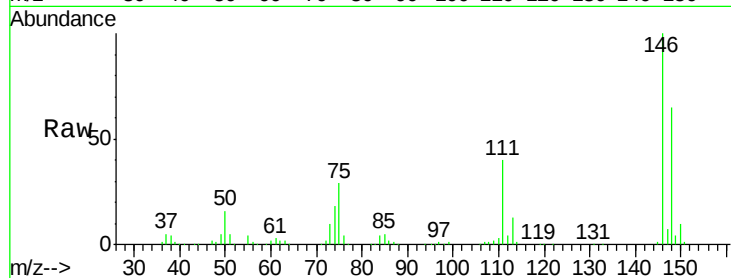




#62
 1,3-Dichlorobenzene
 Concen: 47.384 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

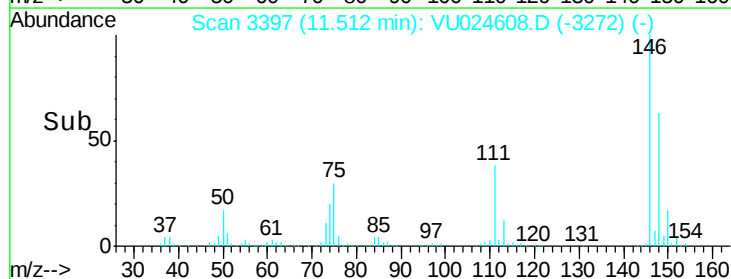
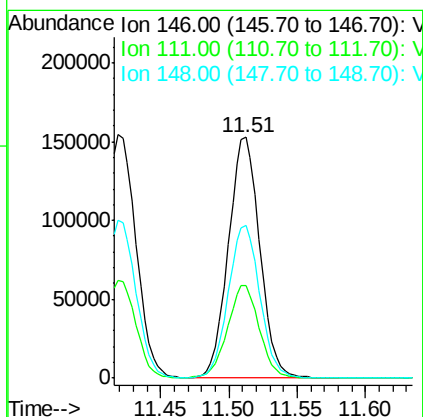
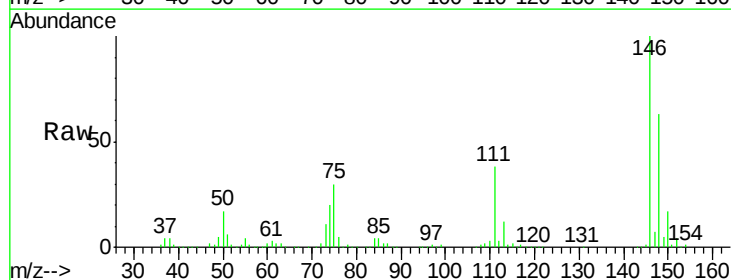
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

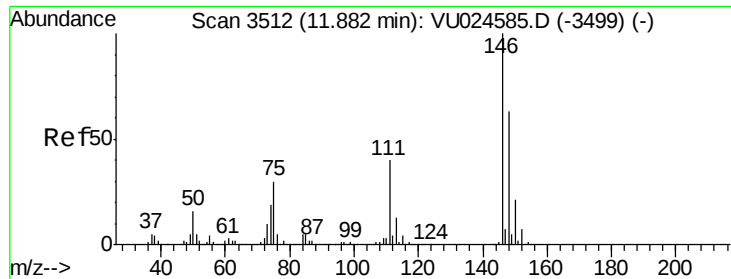
Tgt Ion:146 Resp: 244970
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.4 52.8
 148 64.6 44.3 82.3



#63
 1,4-Dichlorobenzene
 Concen: 46.888 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion:146 Resp: 244503
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.5 49.1
 148 63.2 44.6 82.8

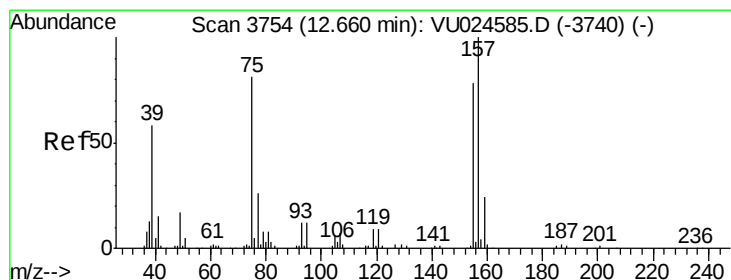
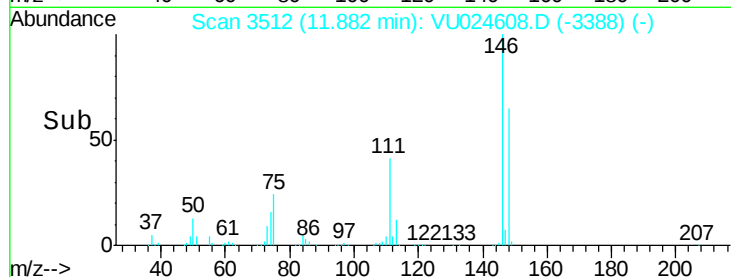
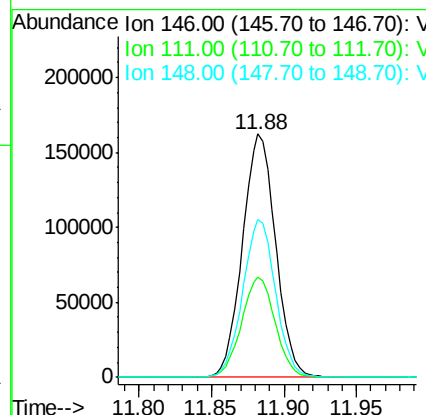
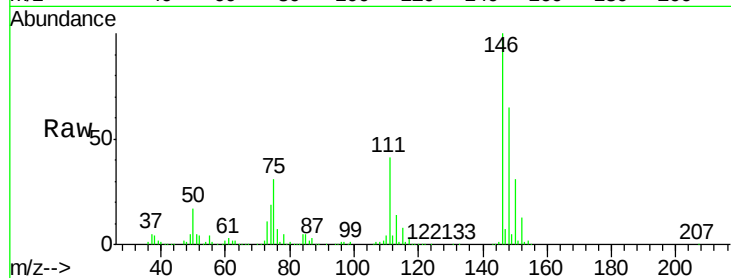




#65
 1,2-Dichlorobenzene
 Concen: 49.919 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

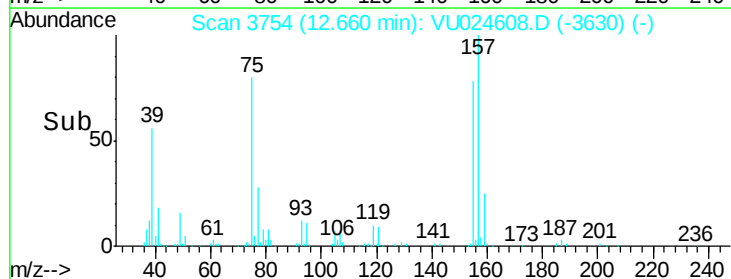
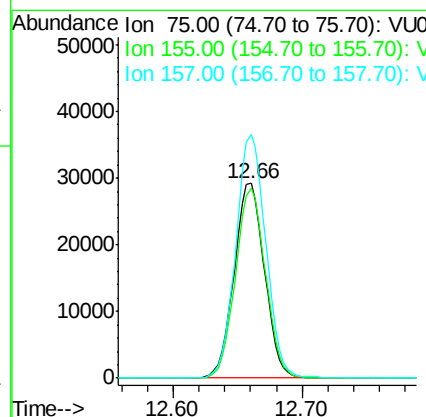
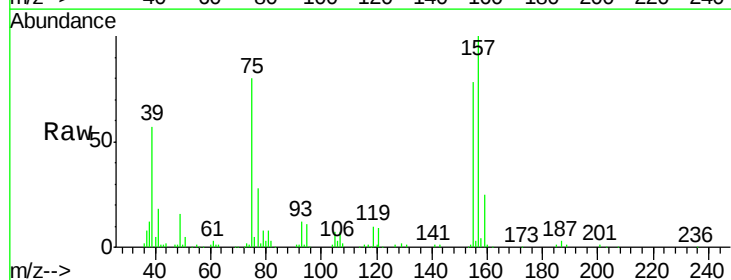
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

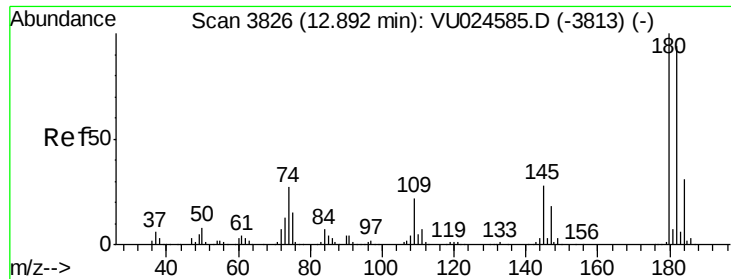
Tgt Ion:146 Resp: 258268
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.2 48.4
 148 65.1 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.879 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Tgt Ion: 75 Resp: 47879
 Ion Ratio Lower Upper
 75 100
 155 97.2 76.8 115.2
 157 125.0 98.4 147.6

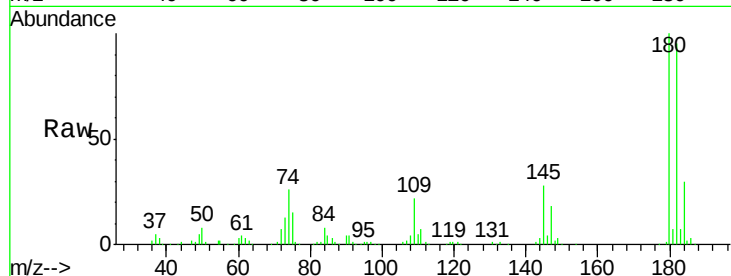




#67
 1,3,5-Trichlorobenzene
 Concen: 46.518 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.1	24.7	37.1
145	27.9	22.6	34.0

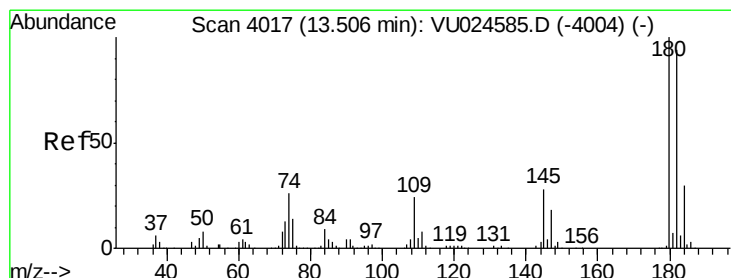
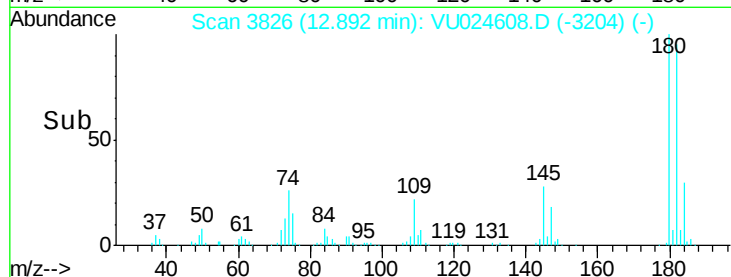
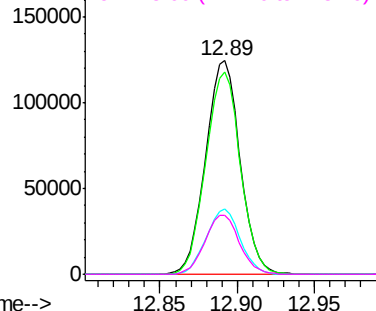


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

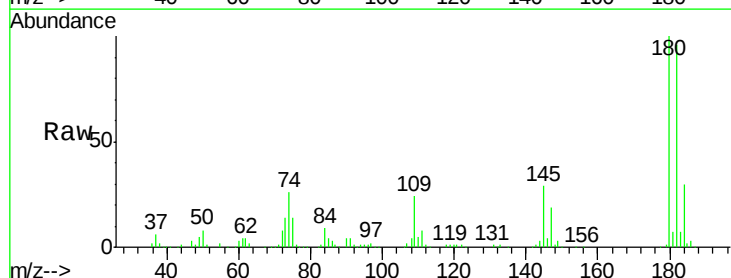
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 46.219 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024608.D
 Acq: 15 Jun 2018 21:03

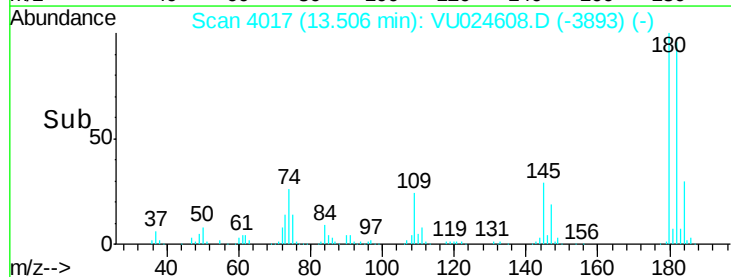
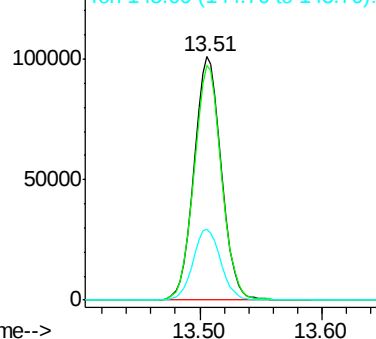
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.2
145	29.7	23.0	34.6

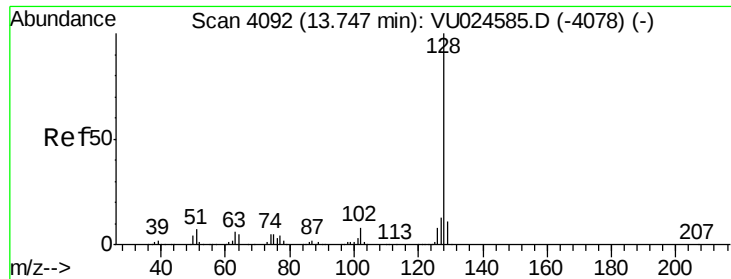


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.596 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

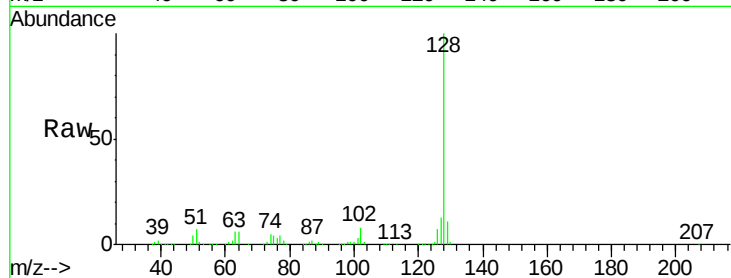
Tgt Ion:128 Resp: 499408

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

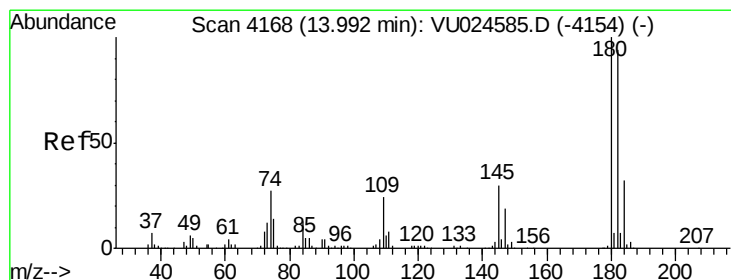
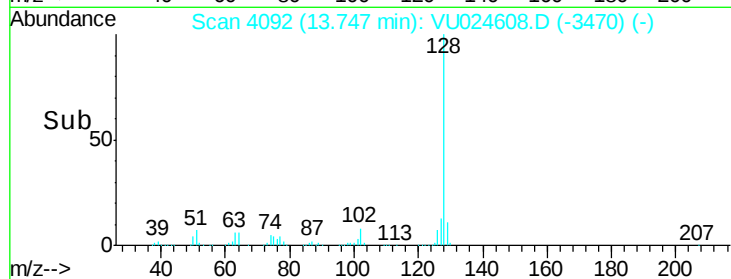
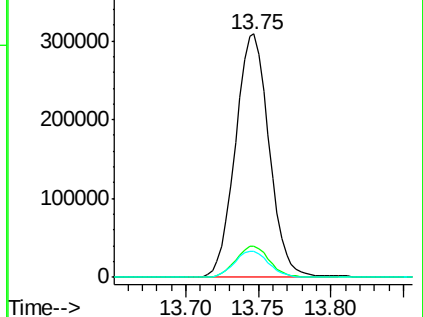
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.094 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU024608.D

Acq: 15 Jun 2018 21:03

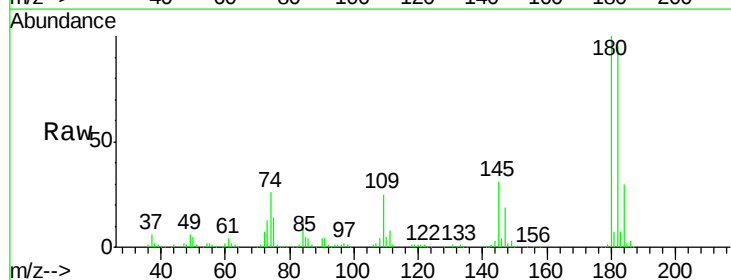
Tgt Ion:180 Resp: 171140

Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 30.7 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

