

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
 Data File : VU036623.D
 Acq On : 30 Jan 2020 16:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Jan 30 17:24:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	305154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	285920	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144359	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88381	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.34%
7) Chloroethane-d5	1.93	69	80842	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.44%
11) 1,1-Dichloroethene-d2	2.59	63	162534	43.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.96%
21) 2-Butanone-d5	4.67	46	142266	104.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.87%
24) Chloroform-d	5.11	84	166929	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.75	65	103552	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
32) Benzene-d6	5.77	84	358706	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.73	67	115271	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.98%
41) Toluene-d8	7.93	98	342007	44.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.21	79	55056	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.66	63	126152	108.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	172120	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	12.21	152	137024	44.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	109305	47.02	ug/L	100
3) Chloromethane	1.54	50	115344	46.61	ug/L	99
5) Vinyl chloride	1.62	62	126200	47.83	ug/L	99
6) Bromomethane	1.87	94	74648	48.22	ug/L	99
8) Chloroethane	1.95	64	75782	47.66	ug/L	99
9) Trichlorofluoromethane	2.16	101	149333	48.13	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	93578	48.52	ug/L	99
12) 1,1-Dichloroethene	2.61	96	92950	49.01	ug/L	96
13) Acetone	2.66	43	94936	72.29	ug/L	97
14) Carbon disulfide	2.82	76	269471	47.02	ug/L	99
15) Methyl Acetate	2.98	43	108169	52.68	ug/L	98
16) Methylene chloride	3.08	84	106583	46.33	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	98290	48.24	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	314040	48.13	ug/L	99
19) 1,1-Dichloroethane	3.92	63	177188	48.78	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	112678	48.65	ug/L	99
22) 2-Butanone	4.75	43	155283	98.41	ug/L	98

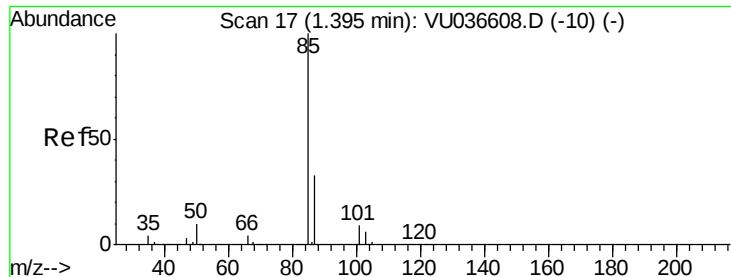
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56446	46.91	ug/L	97
25) Chloroform	5.13	83	179275	48.12	ug/L	97
27) 1,2-Dichloroethane	5.84	62	132420	47.50	ug/L	99
29) Cyclohexane	5.43	56	163206	49.88	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	147361	49.09	ug/L	99
31) Carbon tetrachloride	5.57	117	126951	49.23	ug/L	99
33) Benzene	5.82	78	417729	48.87	ug/L	100
34) Trichloroethene	6.58	95	106470	48.39	ug/L	98
35) Methylcyclohexane	6.80	83	180419	49.16	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109353	50.33	ug/L	100
38) Bromodichloromethane	7.14	83	131362	48.12	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	176333	50.37	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	292297	104.80	ug/L	99
42) Toluene	8.00	91	458688	49.37	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	152403	49.62	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	105142	48.25	ug/L	99
46) Tetrachloroethene	8.58	164	86862	48.59	ug/L	98
48) 2-Hexanone	8.72	43	223455	106.51	ug/L	96
49) Dibromochloromethane	8.84	129	113291	49.11	ug/L	99
50) 1,2-Dibromoethane	8.95	107	113143	48.16	ug/L	100
51) Chlorobenzene	9.47	112	293942	48.48	ug/L	99
52) Ethylbenzene	9.60	91	501502	49.27	ug/L	99
53) m,p-Xylene	9.72	106	197977	49.87	ug/L	99
54) o-xylene	10.12	106	192730	48.67	ug/L	99
55) Styrene	10.14	104	325120	50.59	ug/L	97
56) Isopropylbenzene	10.51	105	499722	49.63	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	183364	48.80	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	142735	48.60	ug/L	99
61) Bromoform	10.32	173	86210	44.90	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	230578	47.07	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	228229	47.33	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	232221	46.77	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	39763	50.16	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	168467	50.08	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	136466	56.92	ug/L	98
69) Naphthalene	14.10	128	437616	63.08	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	135909	55.01	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.02 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

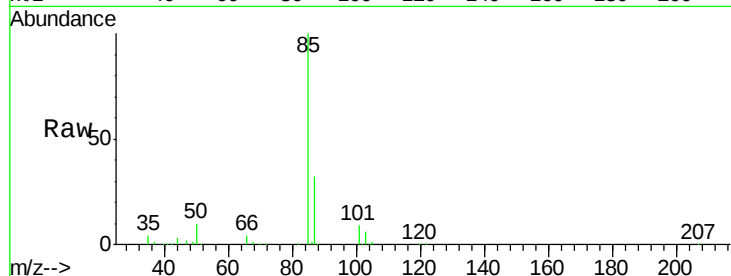
VSTD05050

Tgt Ion: 85 Resp: 109305

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036623.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036623.D (-1) (-)

1.39

120000

100000

80000

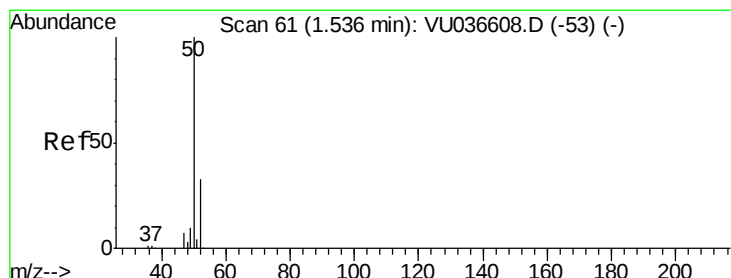
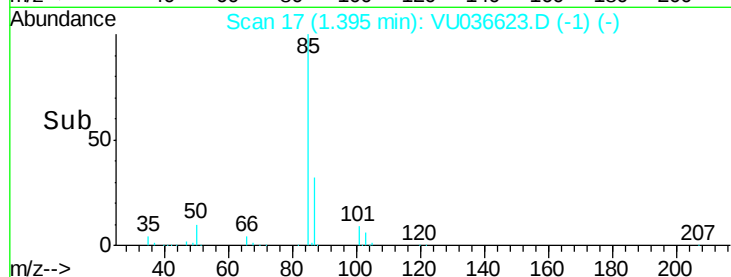
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 46.61 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036623.D

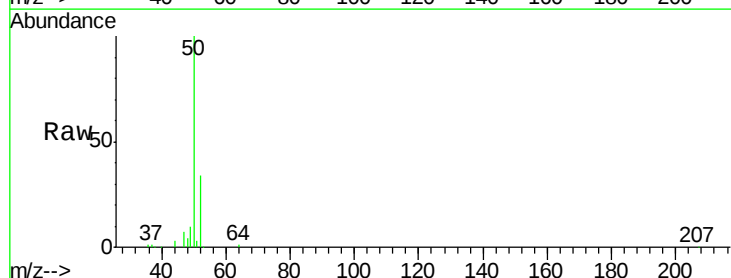
Acq: 30 Jan 2020 16:48

Tgt Ion: 50 Resp: 115344

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036623.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036623.D (-1) (-)

1.54

120000

100000

80000

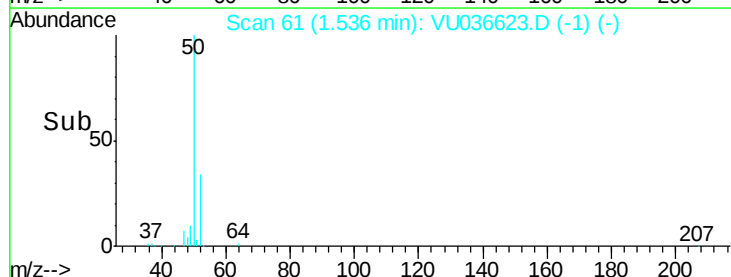
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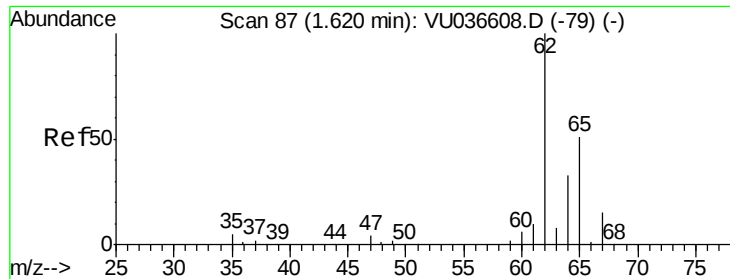
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.83 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

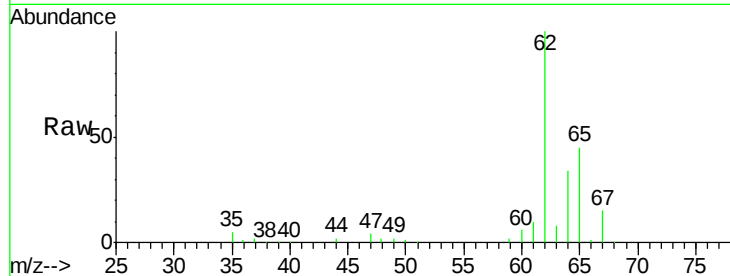
VSTD05050

Tgt Ion: 62 Resp: 126200

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU036623.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036623.D (-1) (-)

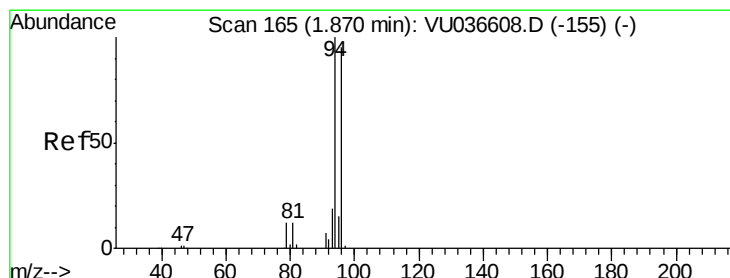
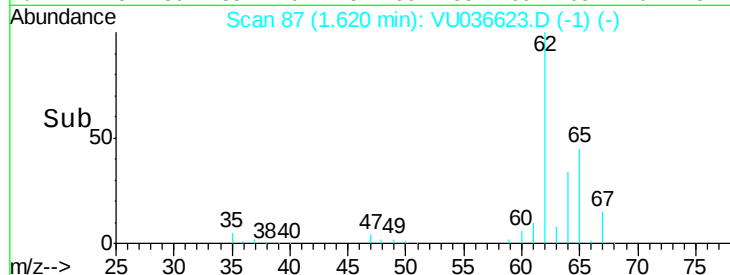
1.62

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.22 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036623.D

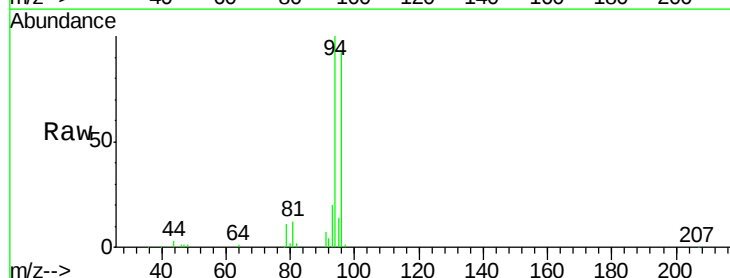
Acq: 30 Jan 2020 16:48

Tgt Ion: 94 Resp: 74648

Ion Ratio Lower Upper

94 100

96 93.5 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU036623.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036623.D (-72) (-)

1.87

60000

50000

40000

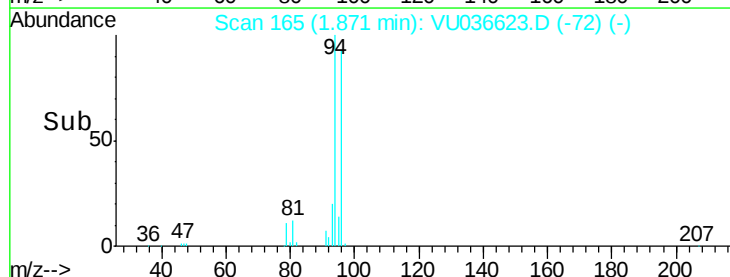
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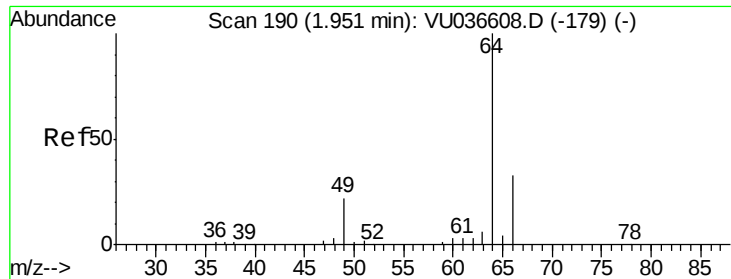
20000

10000

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Time-->

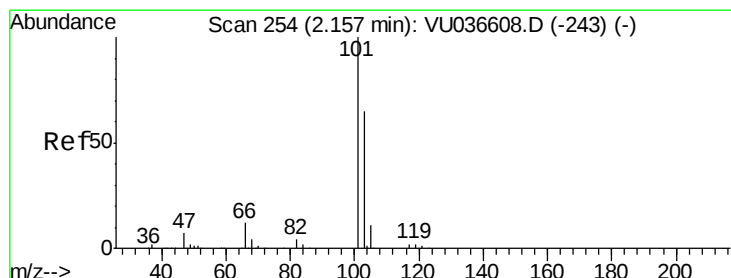
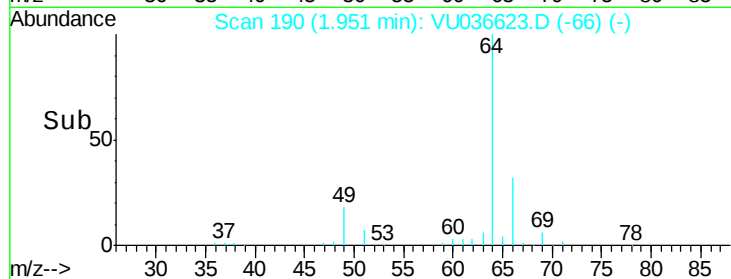
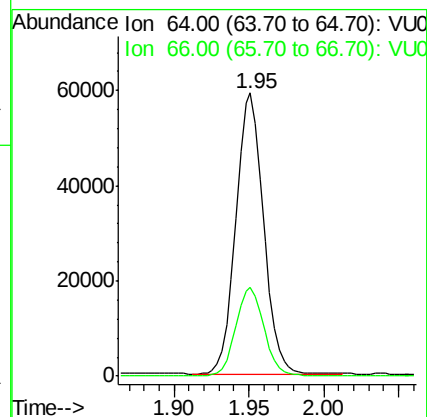
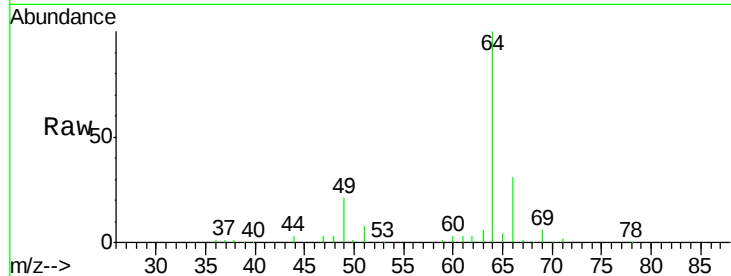




#8
 Chloroethane
 Concen: 47.66 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

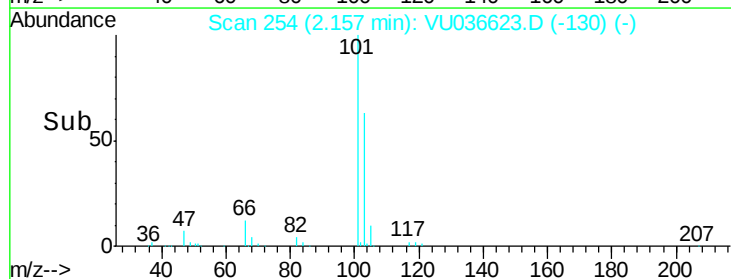
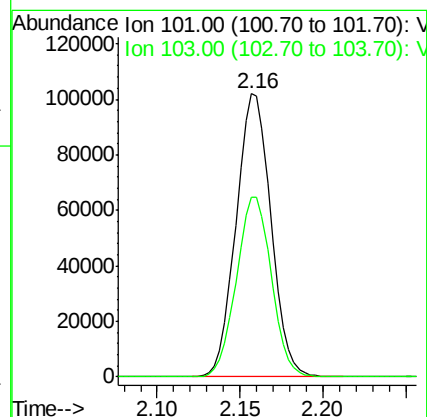
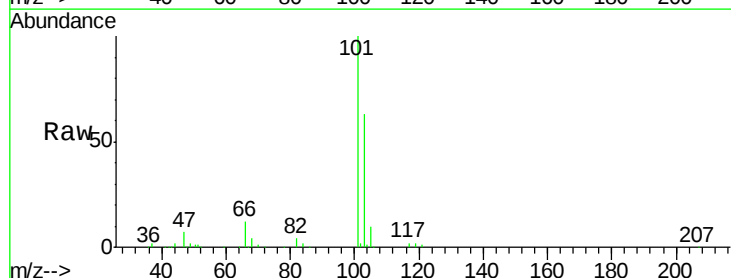
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

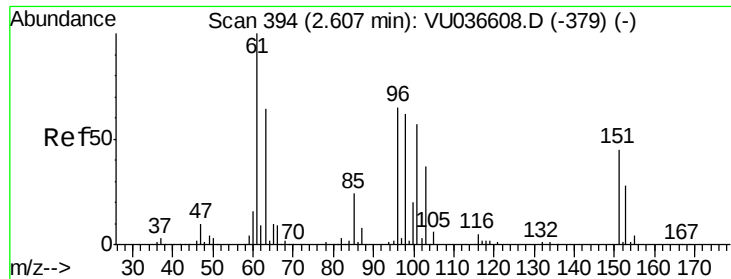
Tgt Ion: 64 Resp: 75782
 Ion Ratio Lower Upper
 64 100
 66 31.3 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 48.13 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Tgt Ion: 101 Resp: 149333
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.4 78.6





#10

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

Concen: 48.52 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

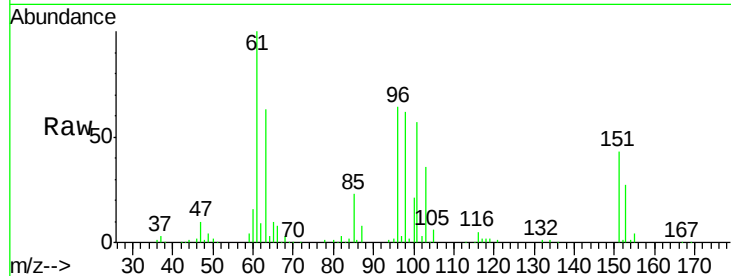
Tgt Ion:101 Resp: 93578

Ion Ratio Lower Upper

101 100

85 40.5 32.6 49.0

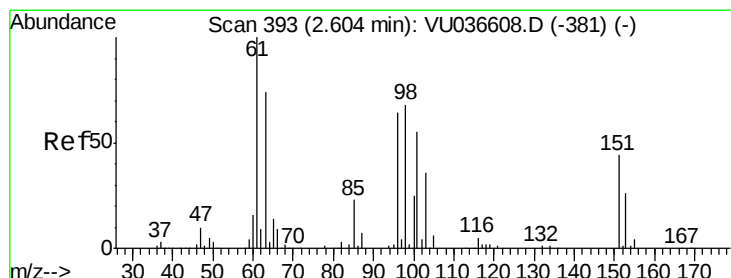
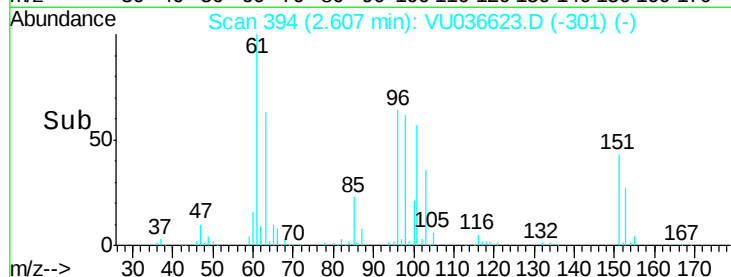
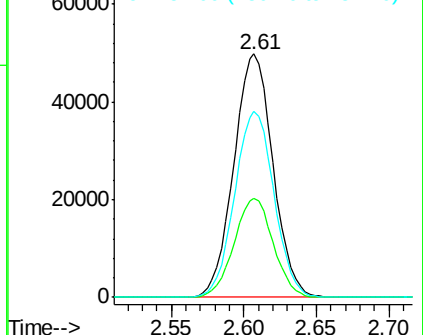
151 76.8 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.01 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

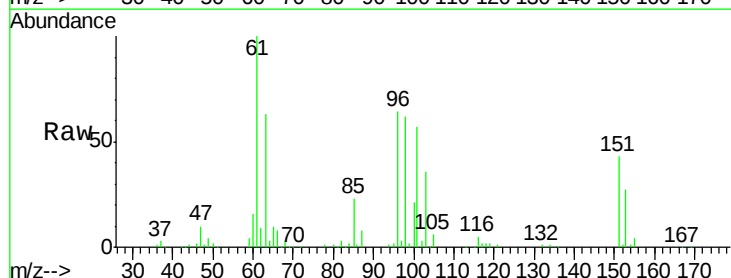
Tgt Ion: 96 Resp: 92950

Ion Ratio Lower Upper

96 100

61 155.6 108.6 201.8

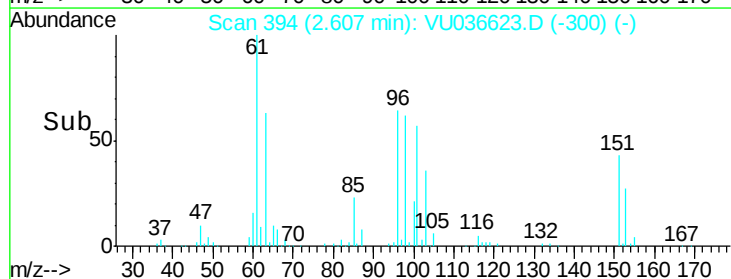
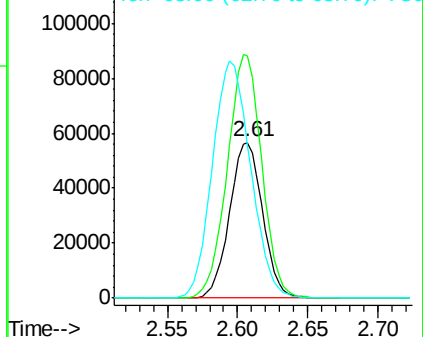
63 98.0 75.0 139.2

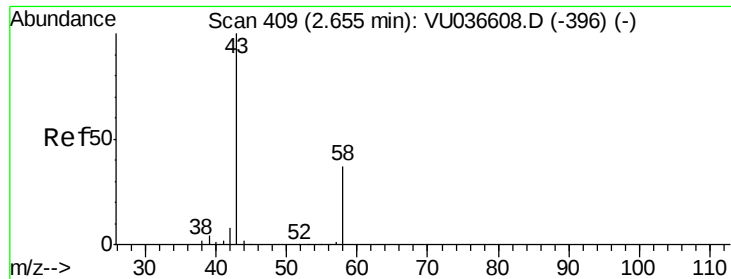


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.29 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

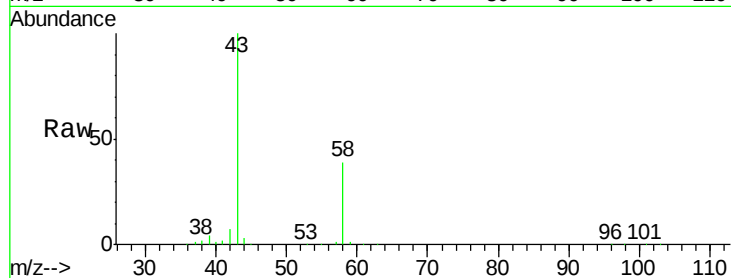
VSTD05050

Tgt Ion: 43 Resp: 94936

Ion Ratio Lower Upper

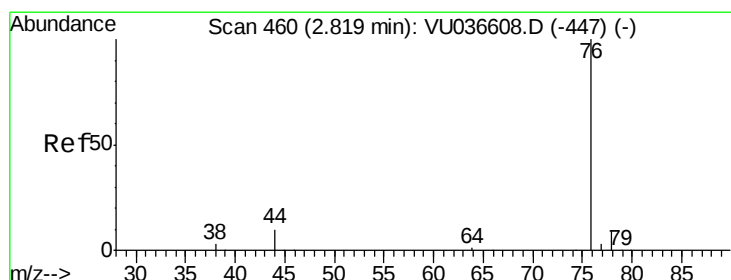
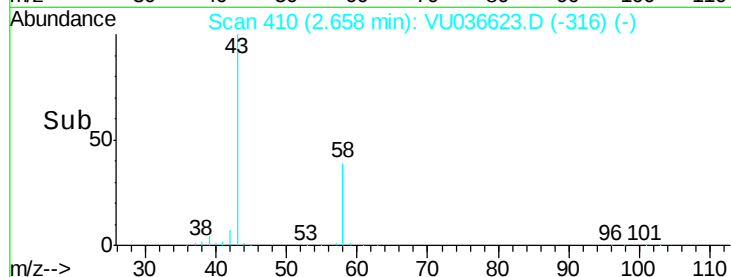
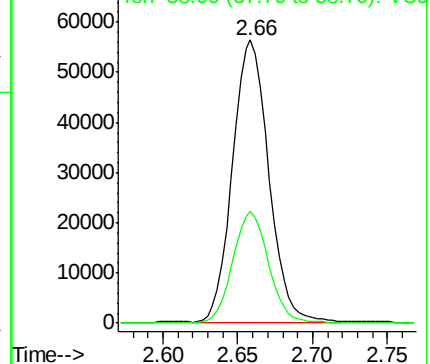
43 100

58 39.2 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036623.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036623.D (-316) (-)



#14

Carbon disulfide

Concen: 47.02 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036623.D

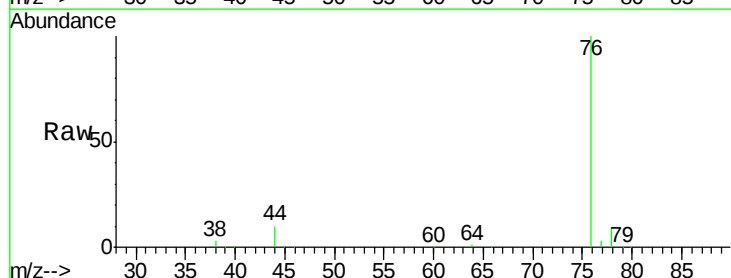
Acq: 30 Jan 2020 16:48

Tgt Ion: 76 Resp: 269471

Ion Ratio Lower Upper

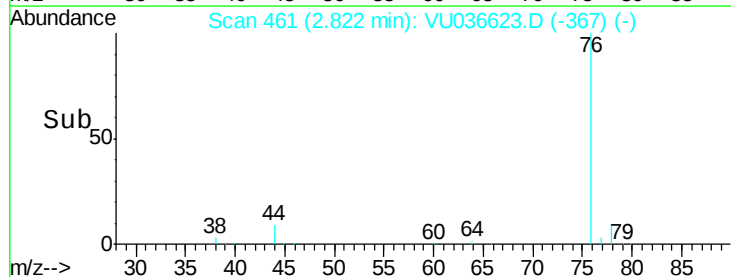
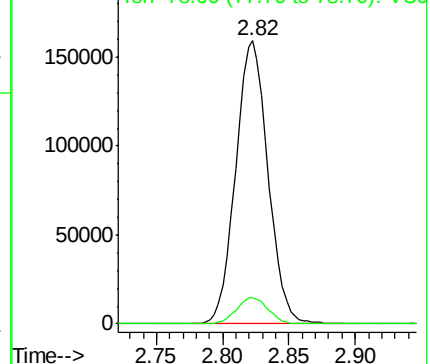
76 100

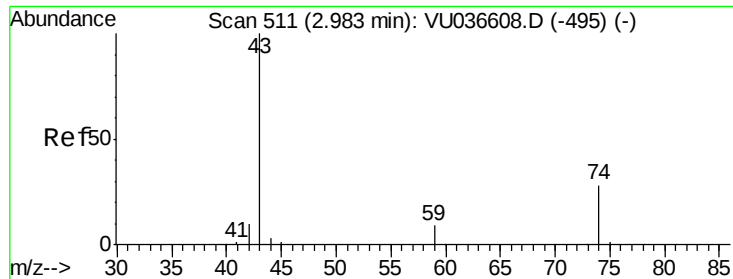
78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036623.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036623.D (-367) (-)

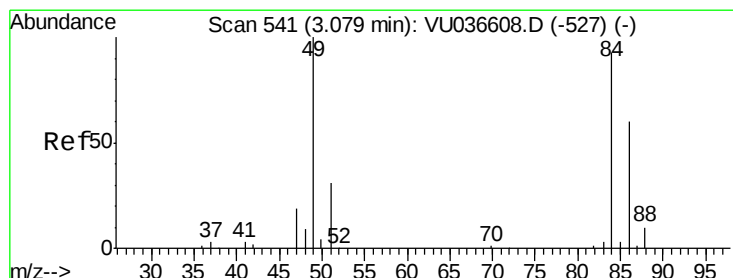
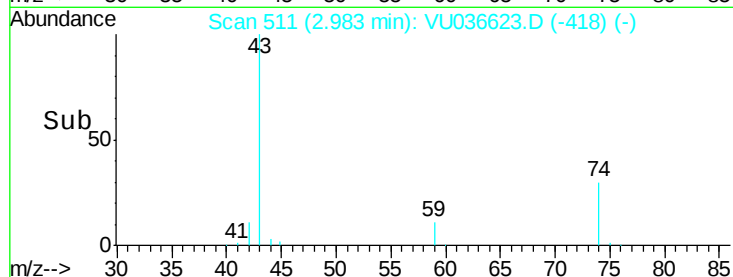
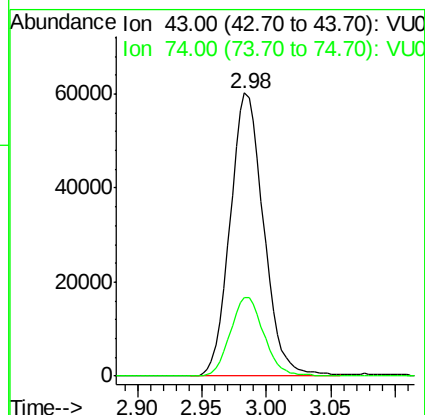
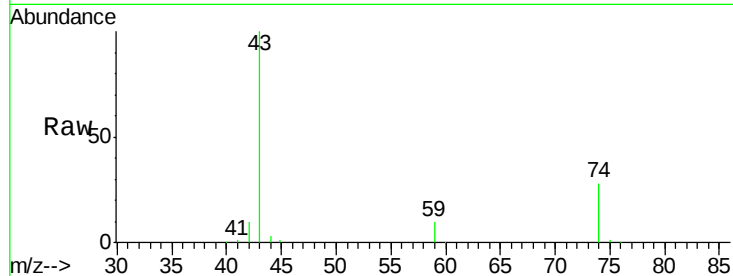




#15
Methyl Acetate
Concen: 52.68 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

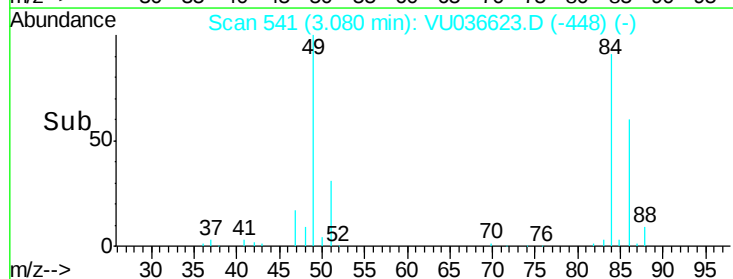
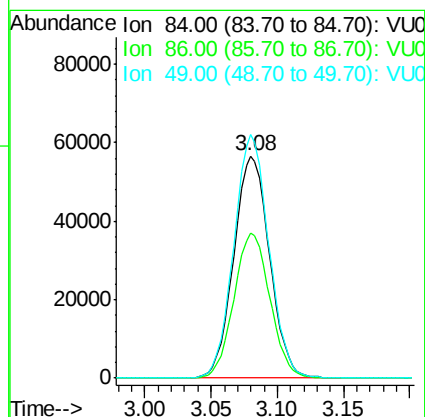
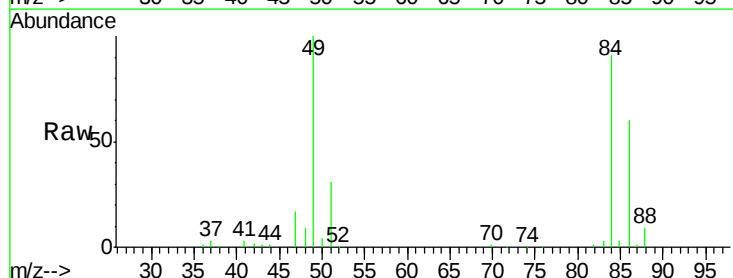
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

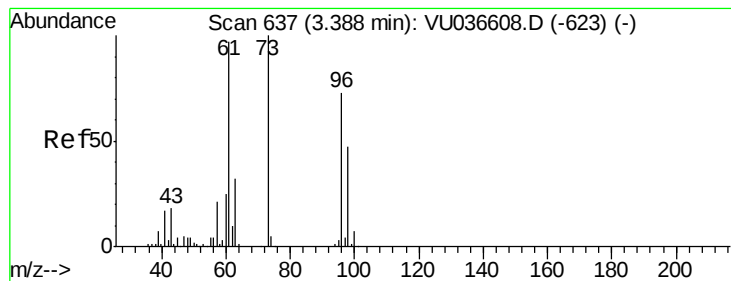
Tgt Ion: 43 Resp: 108169
Ion Ratio Lower Upper
43 100
74 28.2 23.3 34.9



#16
Methylene chloride
Concen: 46.33 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

Tgt Ion: 84 Resp: 106583
Ion Ratio Lower Upper
84 100
86 65.3 44.1 81.9
49 109.7 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 48.24 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

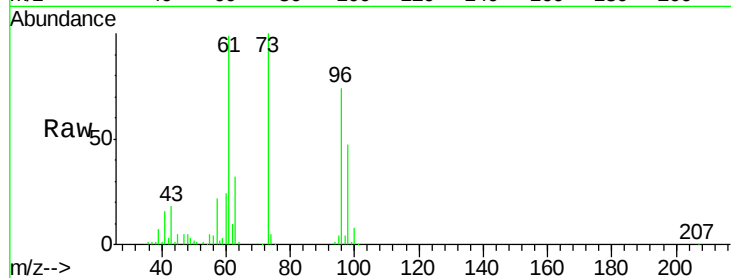
Tgt Ion: 96 Resp: 98290

Ion Ratio Lower Upper

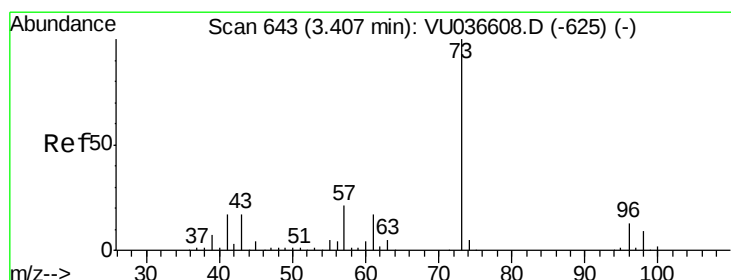
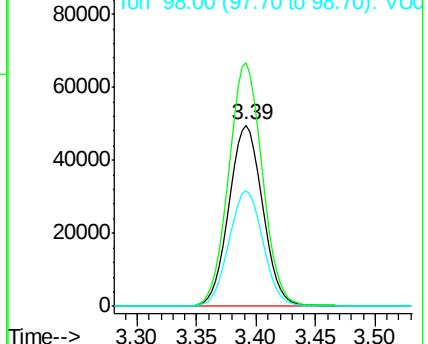
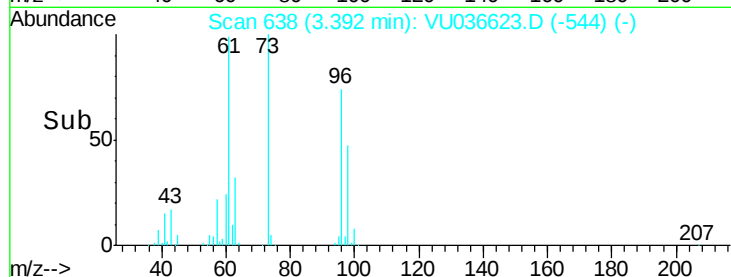
96 100

61 134.5 93.4 173.4

98 63.9 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU036623.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 48.13 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

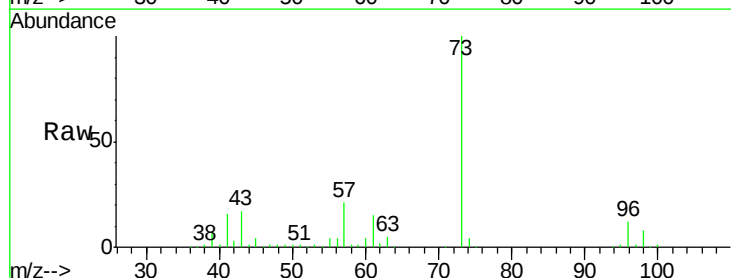
Tgt Ion: 73 Resp: 314040

Ion Ratio Lower Upper

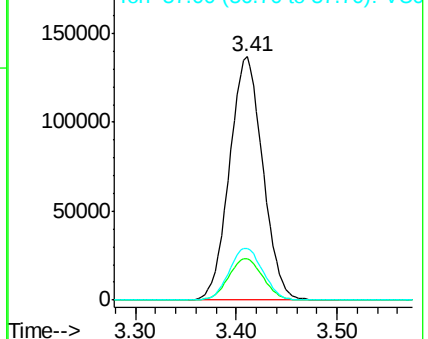
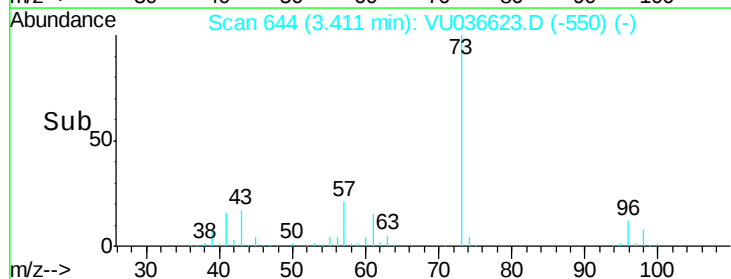
73 100

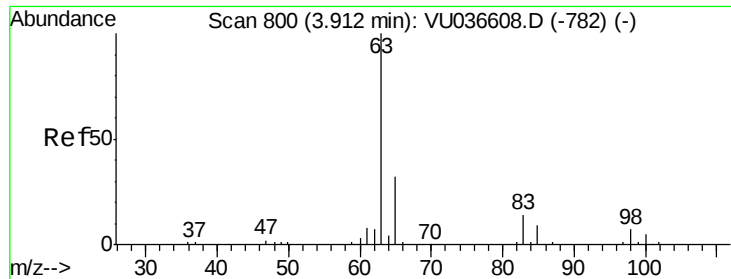
43 17.4 14.2 21.4

57 21.7 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU036623.D (-550) (-)

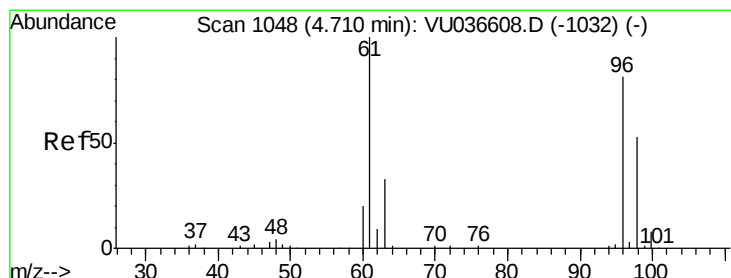
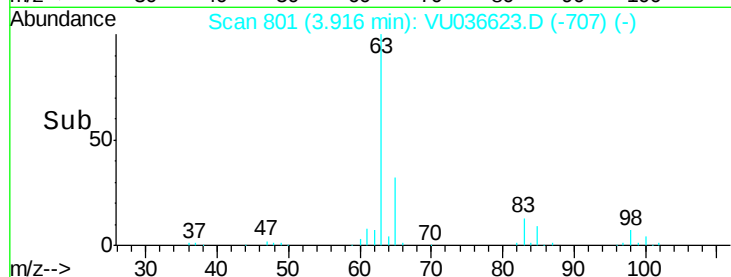
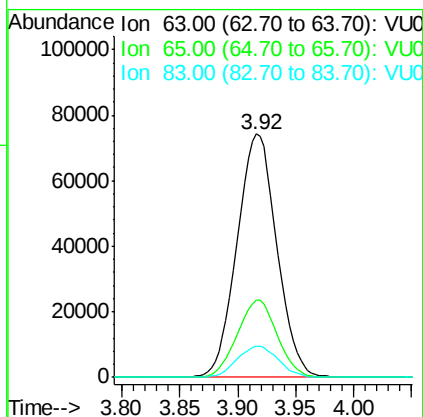
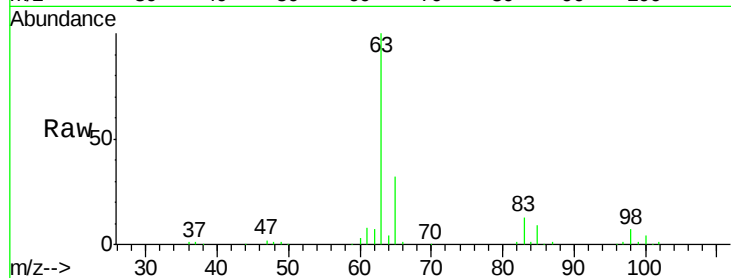




#19
 1,1-Dichloroethane
 Concen: 48.78 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

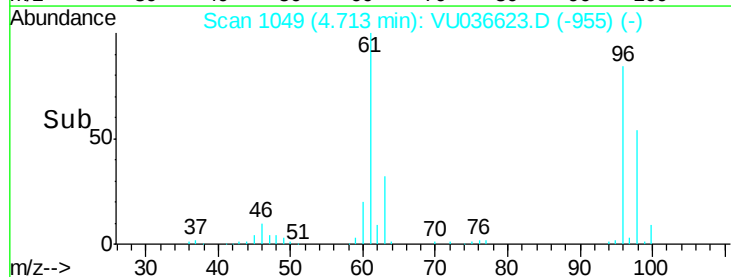
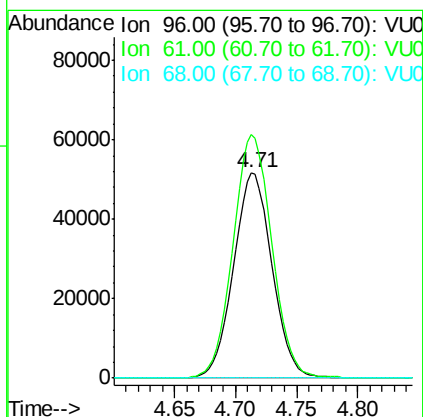
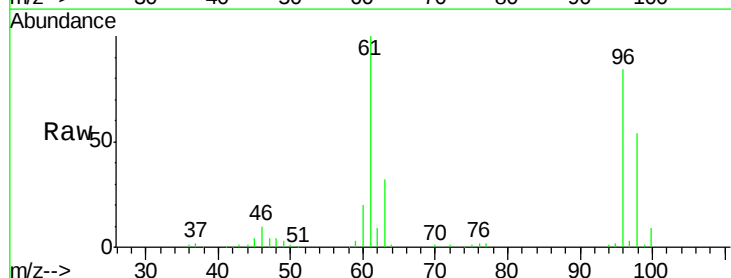
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

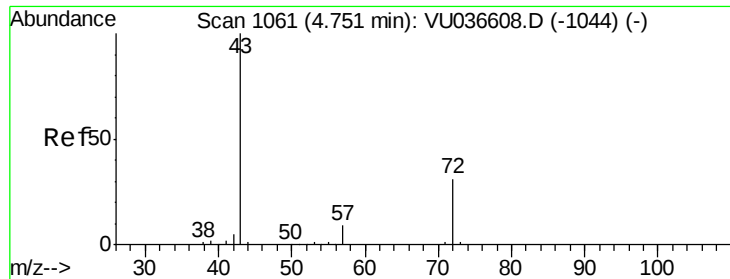
Tgt Ion: 63 Resp: 177188
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.9 40.7
 83 13.0 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.65 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Tgt Ion: 96 Resp: 112678
 Ion Ratio Lower Upper
 96 100
 61 118.4 82.2 152.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.41 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

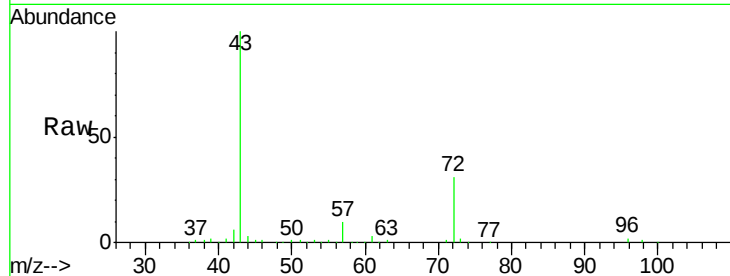
VSTD05050

Tgt Ion: 43 Resp: 155283

Ion Ratio Lower Upper

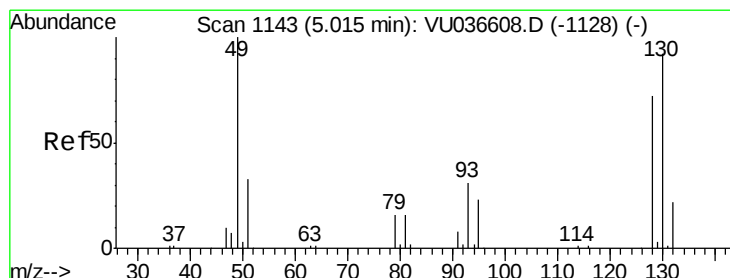
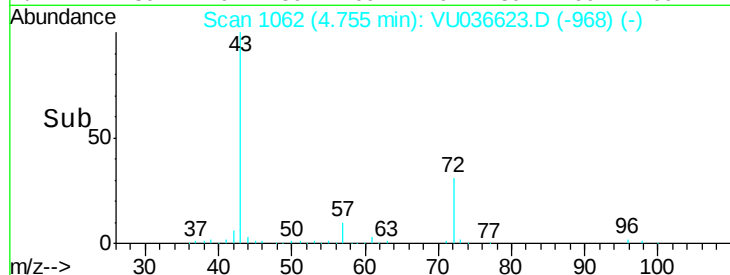
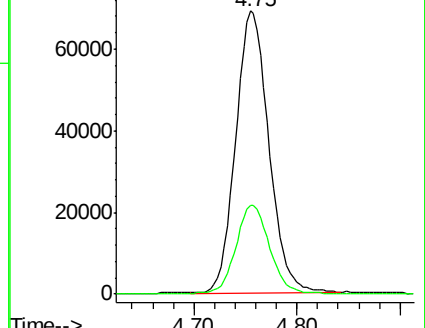
43 100

72 32.3 16.7 50.1



Abundance Ion 43.00 (42.70 to 43.70): VU036623.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU036623.D (-968) (-)



#23

Bromochloromethane

Concen: 46.91 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Tgt Ion: 128 Resp: 56446

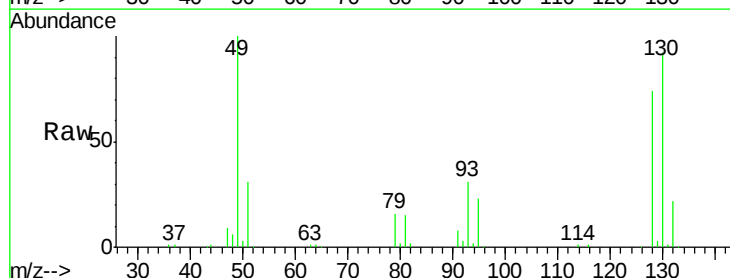
Ion Ratio Lower Upper

128 100

49 135.9 92.5 171.9

130 125.4 90.4 168.0

51 42.7 34.6 52.0

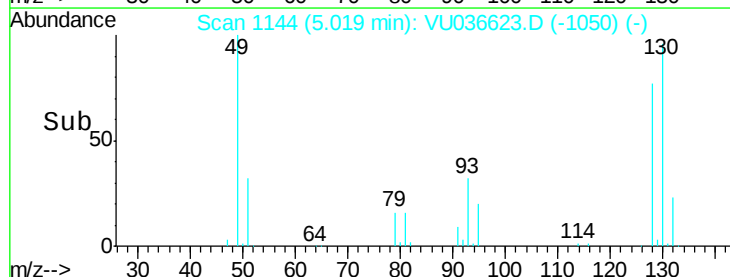
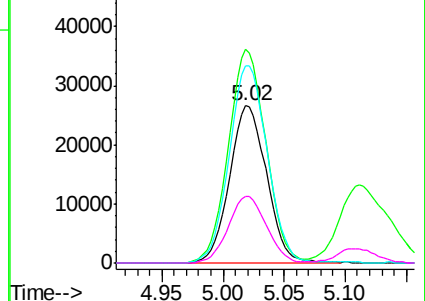


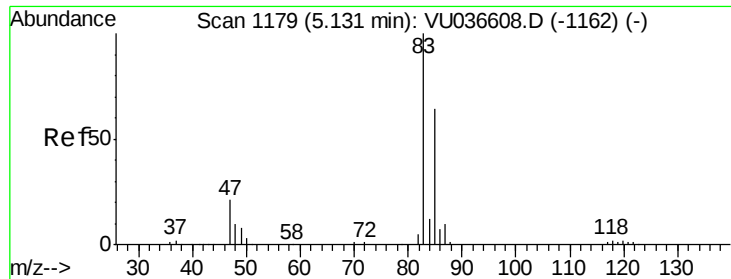
Abundance Ion 128.00 (127.70 to 128.70): VU036623.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU036623.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU036623.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU036623.D (-1050) (-)

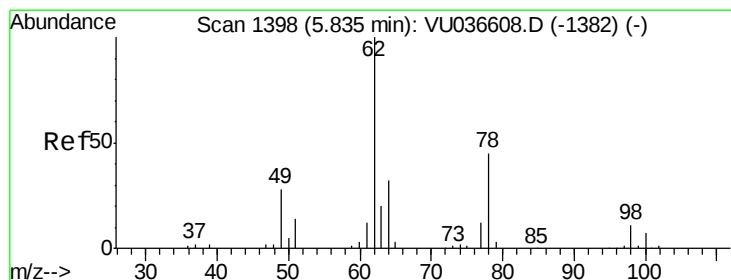
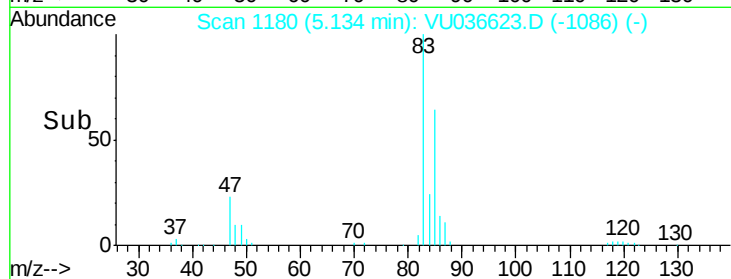
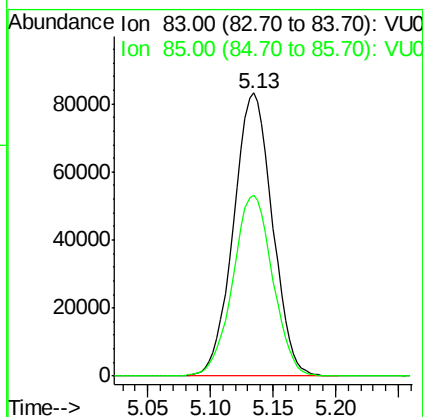
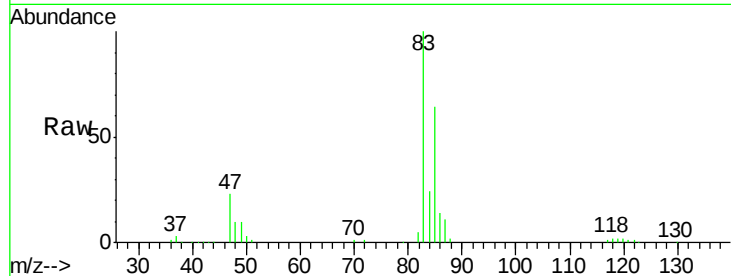




#25
Chloroform
Concen: 48.12 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

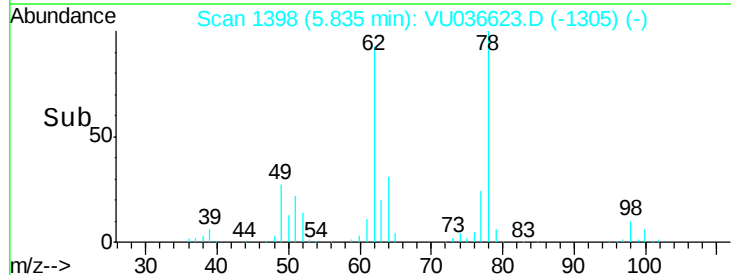
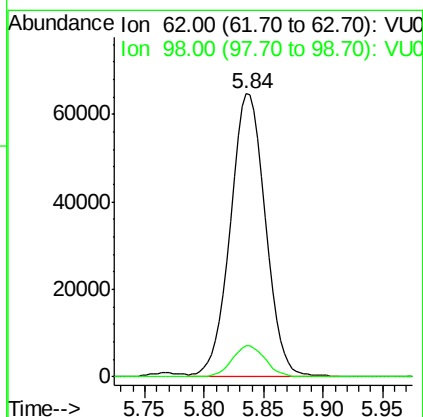
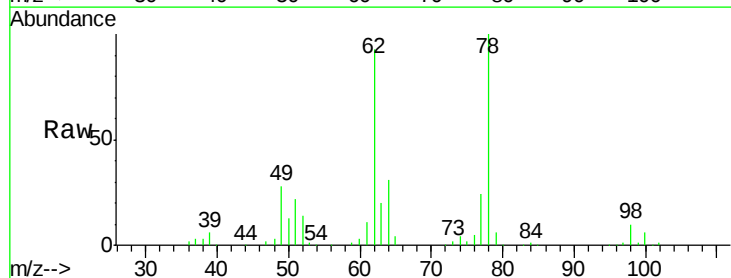
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

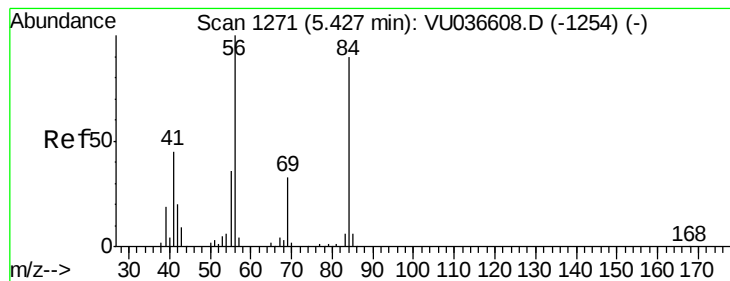
Tgt Ion: 83 Resp: 179275
Ion Ratio Lower Upper
83 100
85 63.8 46.3 85.9



#27
1,2-Dichloroethane
Concen: 47.50 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

Tgt Ion: 62 Resp: 132420
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6





#29

Cyclohexane

Concen: 49.88 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

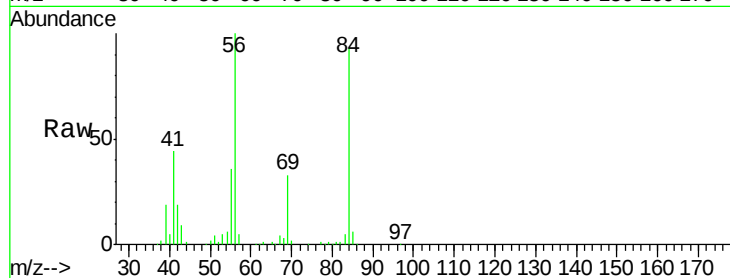
Tgt Ion: 56 Resp: 163206

Ion Ratio Lower Upper

56 100

69 33.2 26.4 39.6

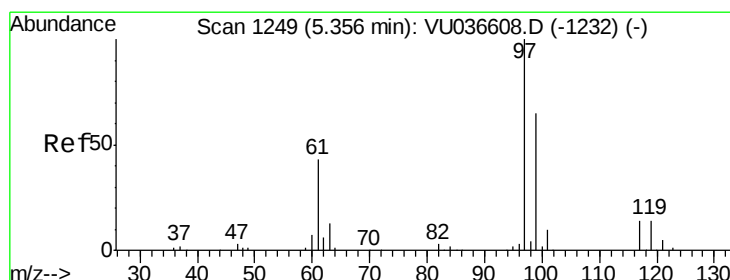
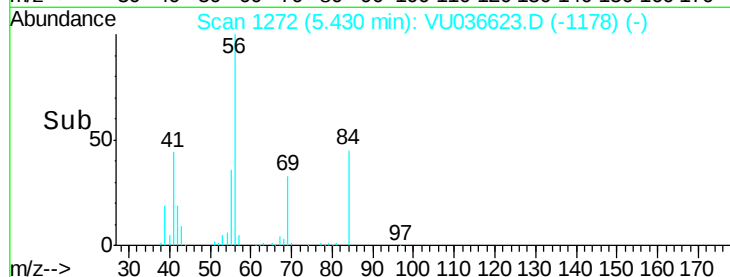
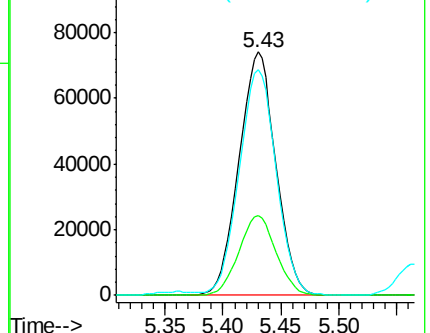
84 94.0 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VU036623.D (-1178) (-)

Ion 69.00 (68.70 to 69.70): VU036623.D (-1178) (-)

Ion 84.00 (83.70 to 84.70): VU036623.D (-1178) (-)



#30

1,1,1-Trichloroethane

Concen: 49.09 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

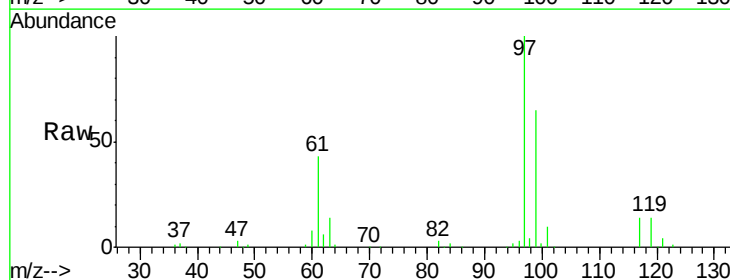
Tgt Ion: 97 Resp: 147361

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

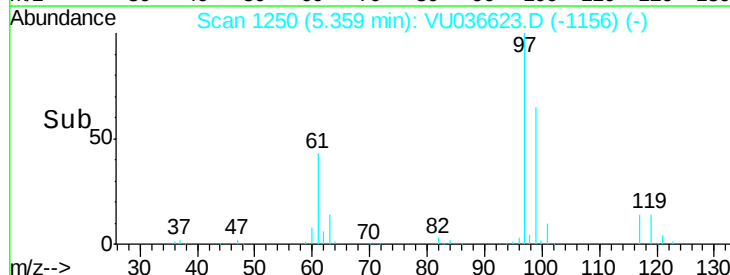
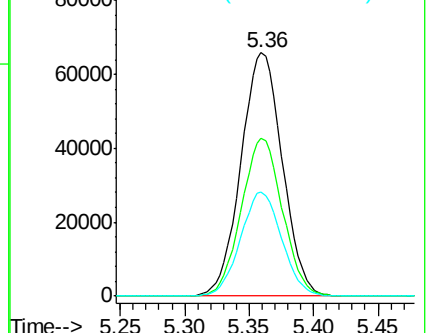
61 42.5 34.1 51.1

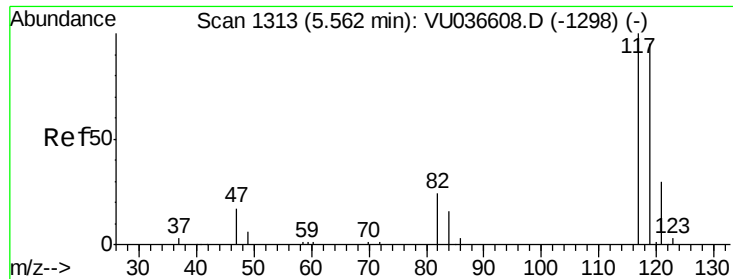


Abundance Ion 97.00 (96.70 to 97.70): VU036623.D (-1156) (-)

Ion 99.00 (98.70 to 99.70): VU036623.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036623.D (-1156) (-)





#31

Carbon tetrachloride

Concen: 49.23 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

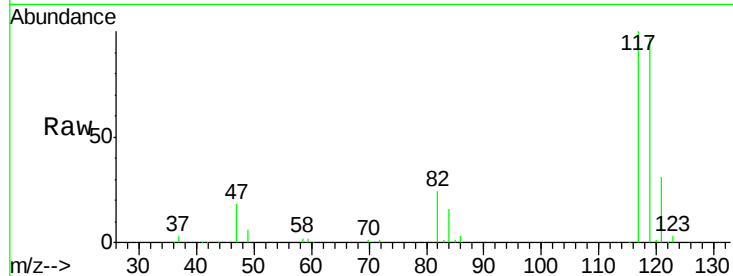
VSTD05050

Tgt Ion:117 Resp: 126951

Ion Ratio Lower Upper

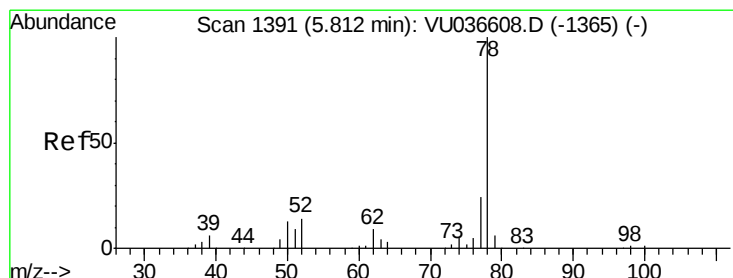
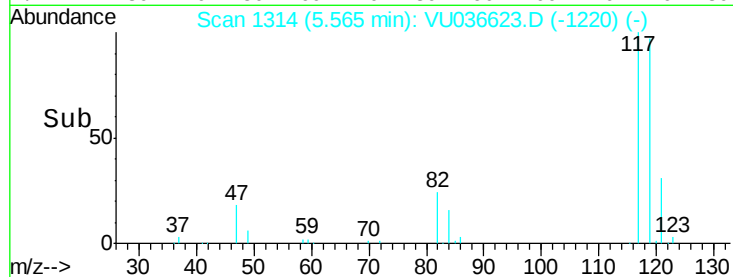
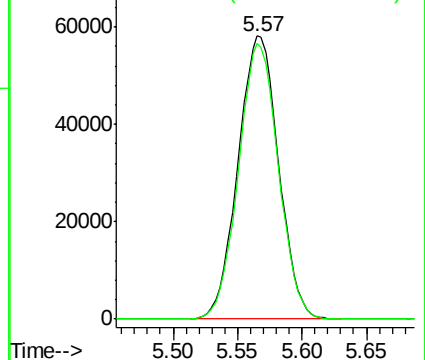
117 100

119 95.9 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.87 ug/L

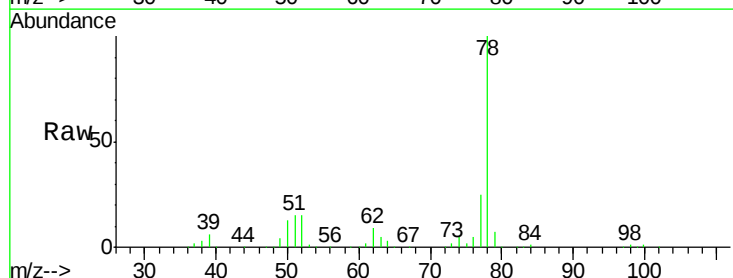
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

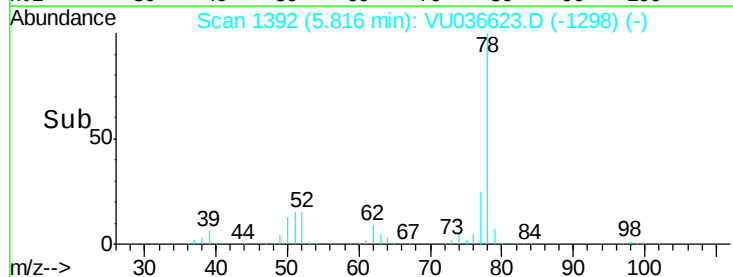
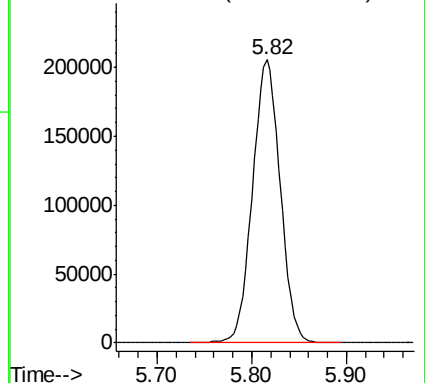
Lab File: VU036623.D

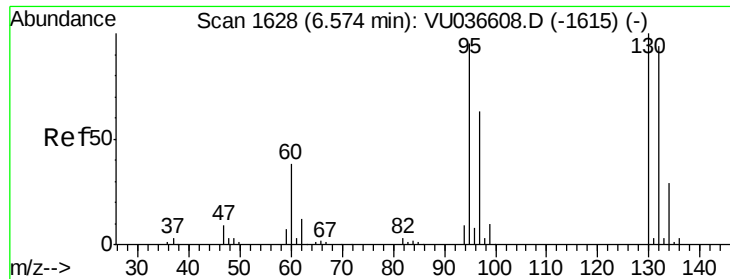
Acq: 30 Jan 2020 16:48

Tgt Ion: 78 Resp: 417729



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.39 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tgt Ion: 95 Resp: 106470

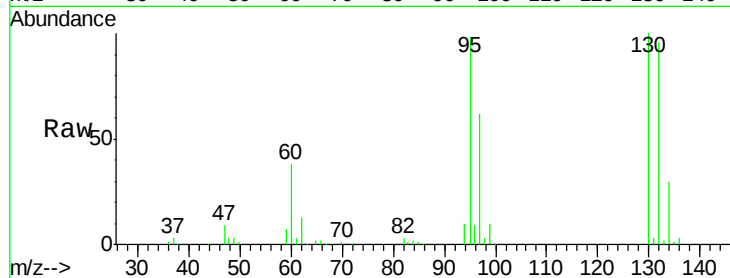
Ion Ratio Lower Upper

95 100

97 63.9 45.5 84.5

132 98.2 70.9 131.7

130 102.2 72.9 135.3

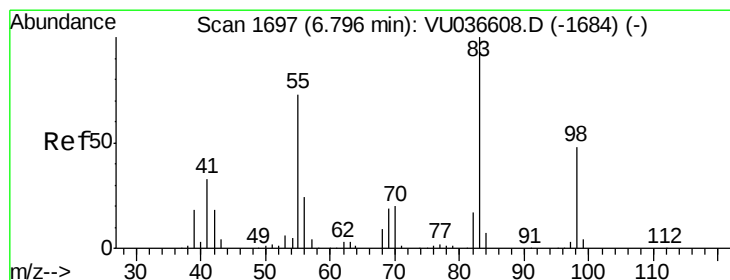
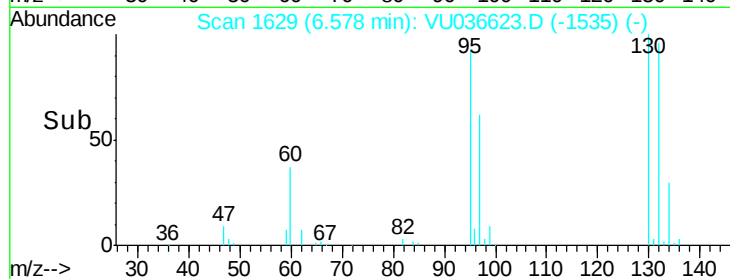
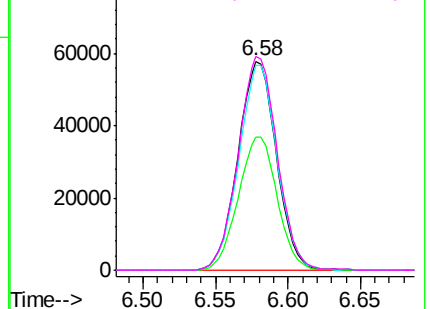


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.16 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

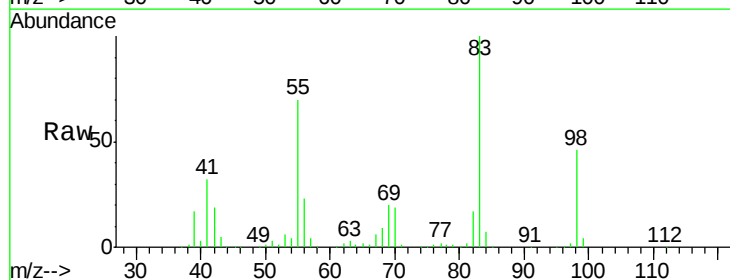
Tgt Ion: 83 Resp: 180419

Ion Ratio Lower Upper

83 100

55 70.4 56.1 84.1

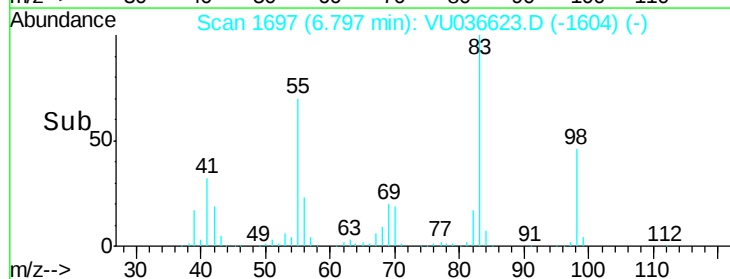
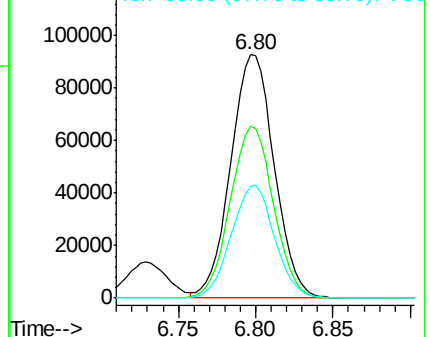
98 46.3 37.5 56.3

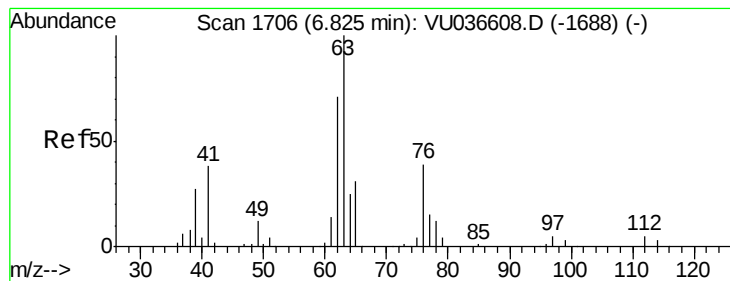


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.33 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

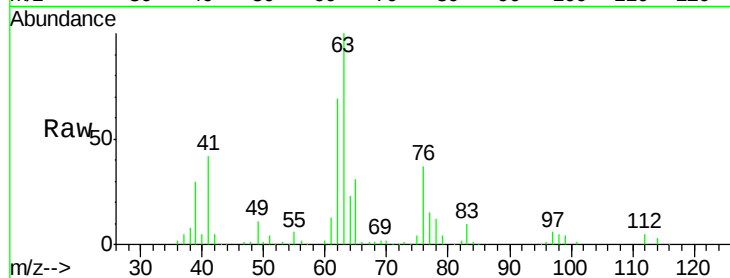
VSTD05050

Tgt Ion: 63 Resp: 109353

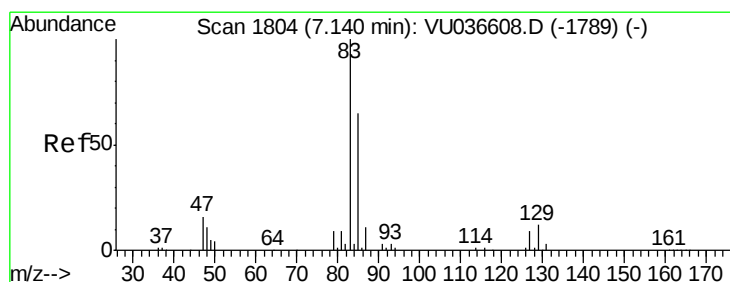
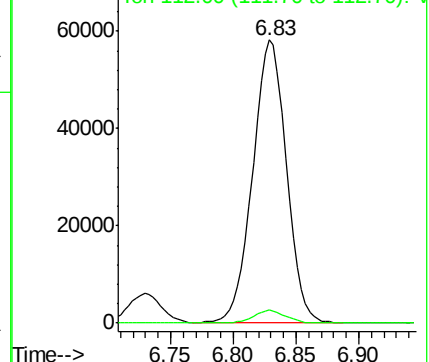
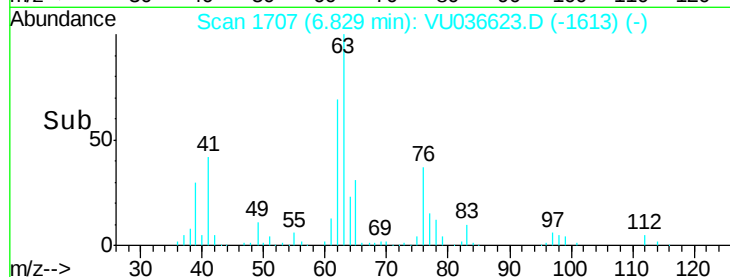
Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU036623.D (-1613) (-)



#38

Bromodichloromethane

Concen: 48.12 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

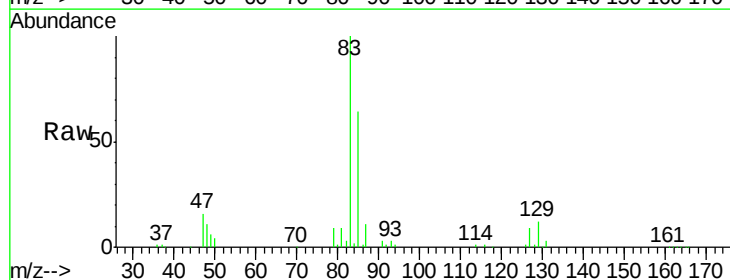
Tgt Ion: 83 Resp: 131362

Ion Ratio Lower Upper

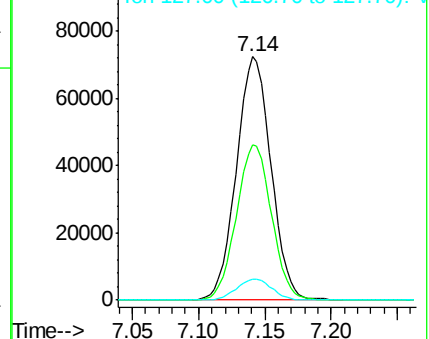
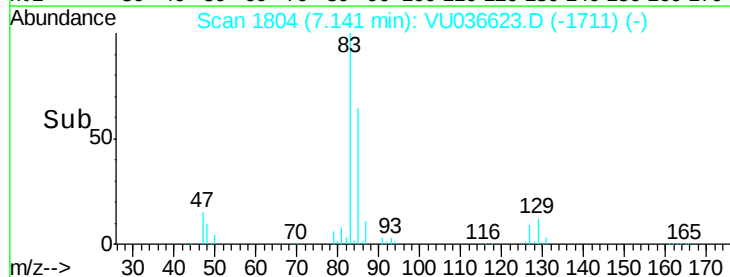
83 100

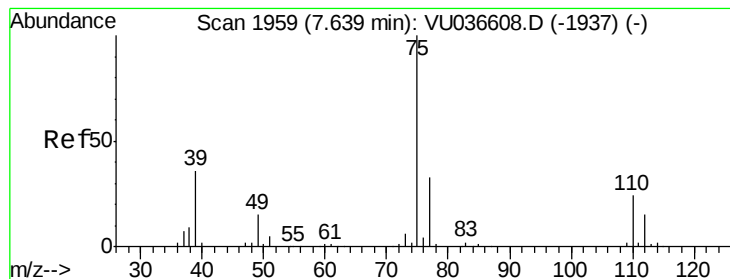
85 63.7 45.4 84.4

127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU036623.D (-1711) (-)





#39

cis-1,3-Dichloropropene

Concen: 50.37 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

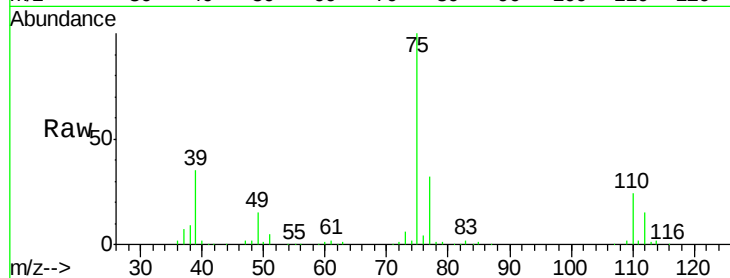
VSTD05050

Tgt Ion: 75 Resp: 176333

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036623.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036623.D (-1866) (-)

7.64

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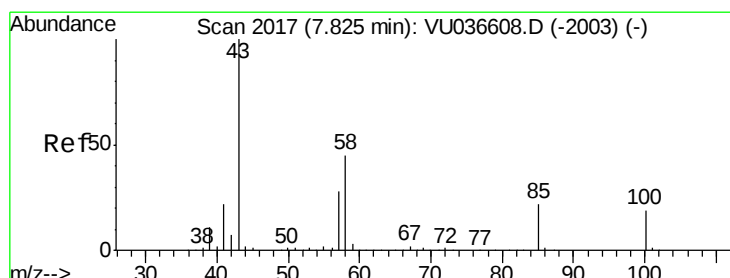
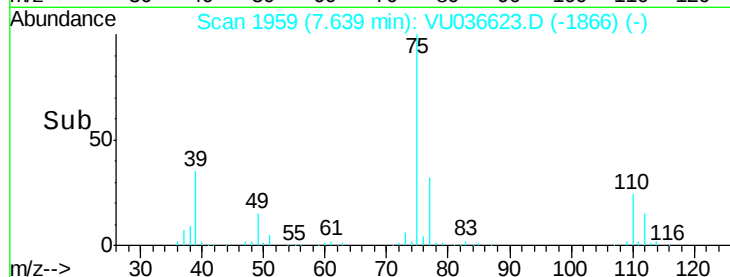
7.64

7.64

7.64

7.64

7.64



#40

4-Methyl-2-pentanone

Concen: 104.80 ug/L

RT: 7.83 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

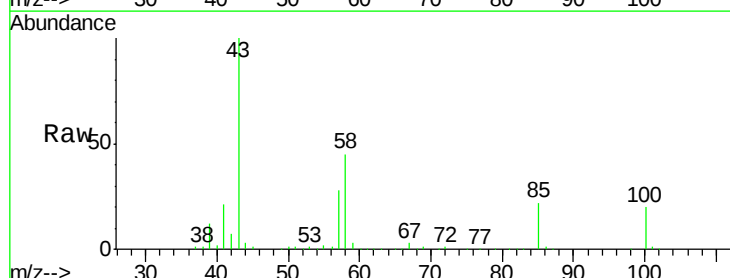
Tgt Ion: 43 Resp: 292297

Ion Ratio Lower Upper

43 100

58 45.6 37.0 55.4

100 19.4 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VU036623.D (-1924) (-)

Ion 58.00 (57.70 to 58.70): VU036623.D (-1924) (-)

Ion 100.00 (99.70 to 100.70): VU036623.D (-1924) (-)

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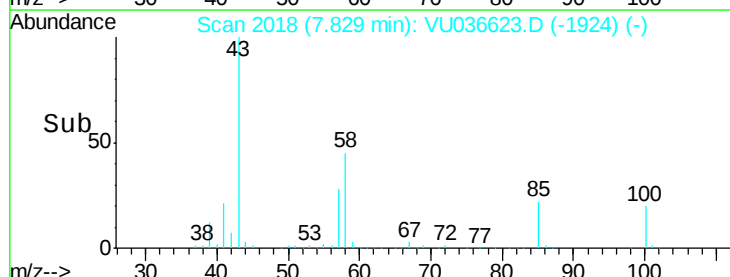
7.83

7.83

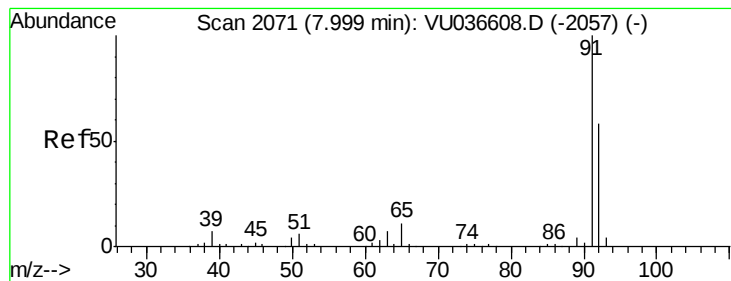
7.83

7.83

7.83



Time-->



#42

Toluene

Concen: 49.37 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

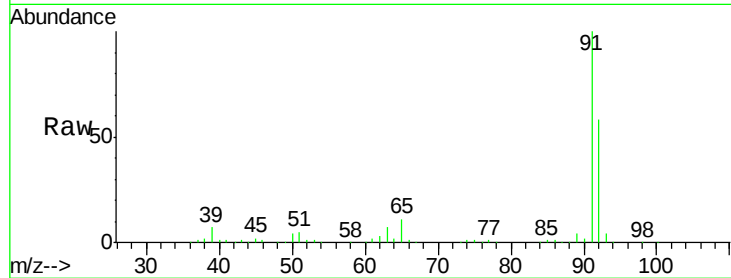
VSTD05050

Tgt Ion: 91 Resp: 458688

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036608.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036608.D (-2057) (-)

8.00

250000

200000

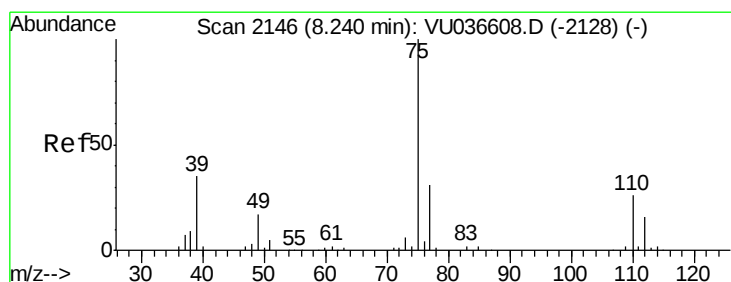
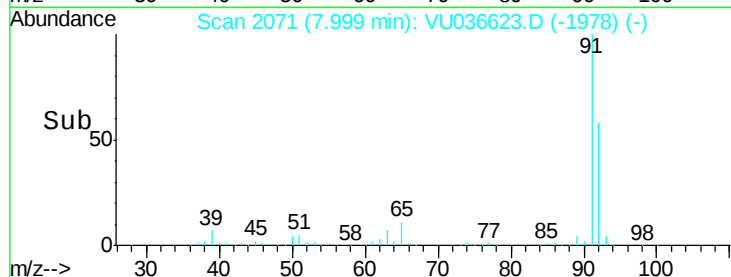
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 49.62 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036623.D

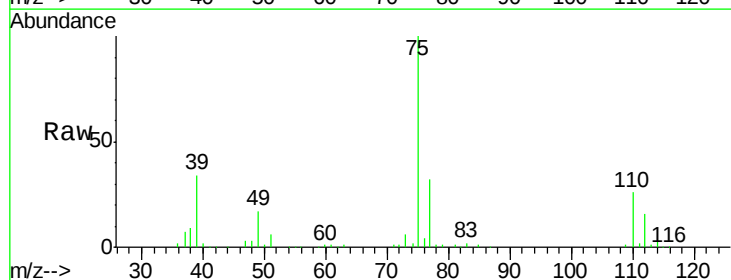
Acq: 30 Jan 2020 16:48

Tgt Ion: 75 Resp: 152403

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU036608.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036608.D (-2128) (-)

8.24

100000

80000

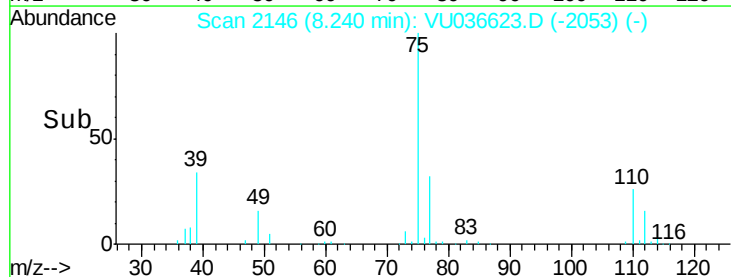
60000

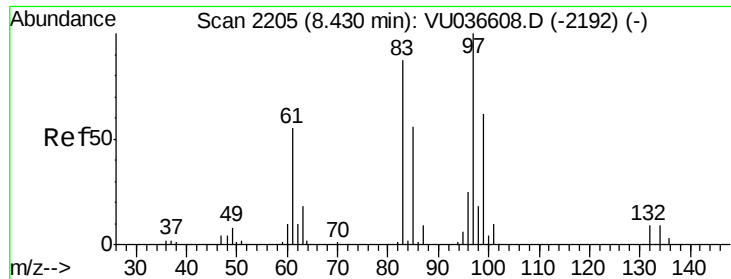
40000

20000

0

Time--> 8.15 8.20 8.25 8.30 8.35

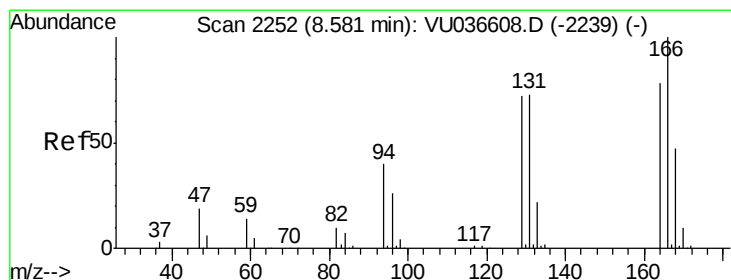
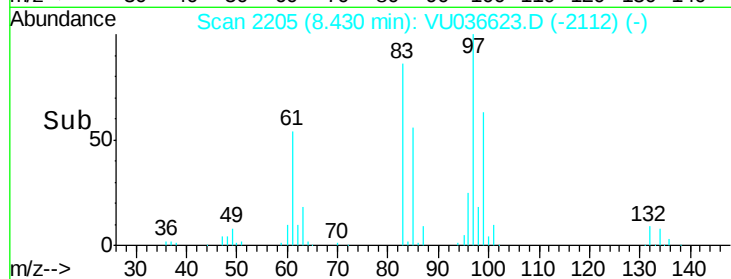
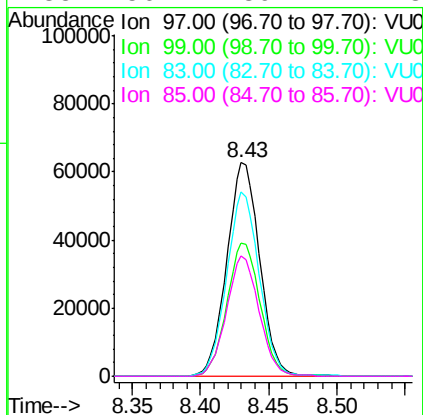
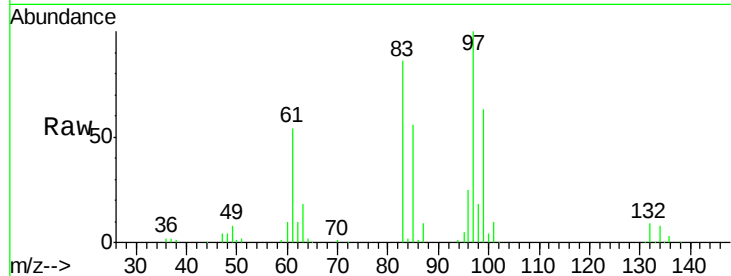




#45
 1,1,2-Trichloroethane
 Concen: 48.25 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

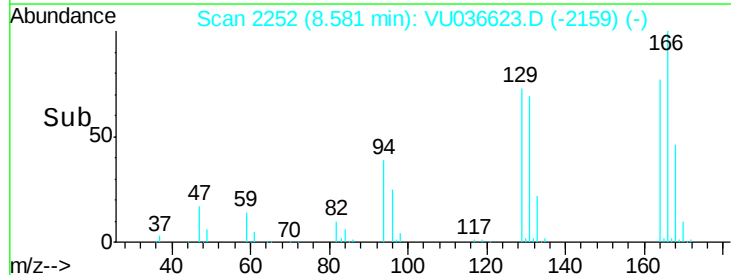
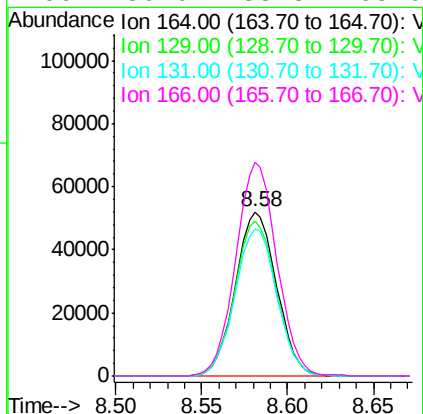
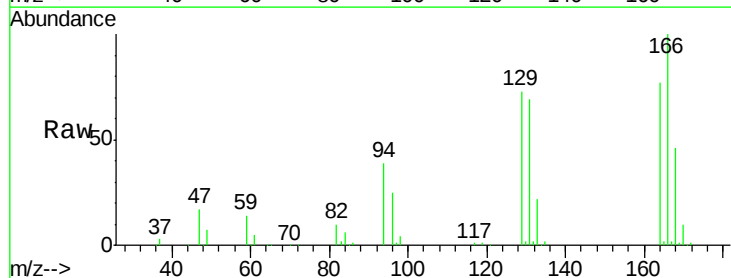
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

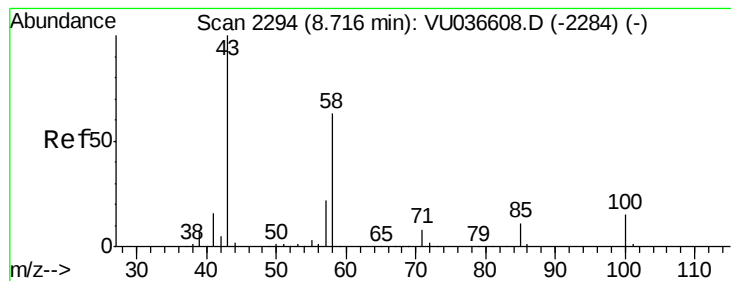
Tgt Ion:	97	Resp:	105142
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.1	81.9
83	86.1	61.2	113.6
85	56.1	39.2	72.8



#46
 Tetrachloroethene
 Concen: 48.59 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Tgt Ion:	164	Resp:	86862
Ion	Ratio	Lower	Upper
164	100		
129	94.6	64.2	119.2
131	89.8	61.8	114.8
166	130.0	88.8	165.0





#48

2-Hexanone

Concen: 106.51 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

Tgt Ion: 43 Resp: 223455

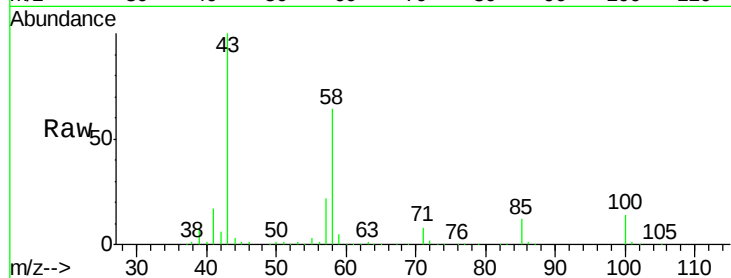
Ion Ratio Lower Upper

43 100

58 66.4 49.4 74.0

57 21.7 17.1 25.7

100 15.0 11.9 17.9

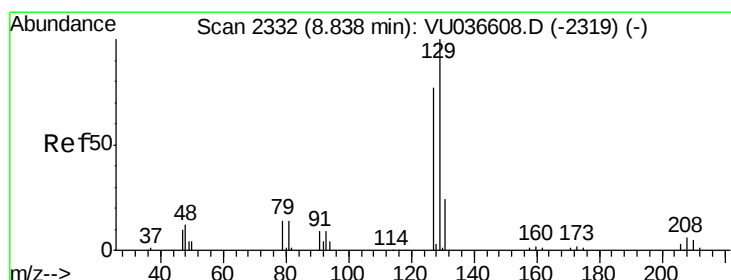
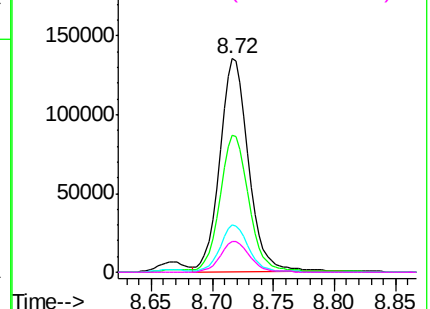
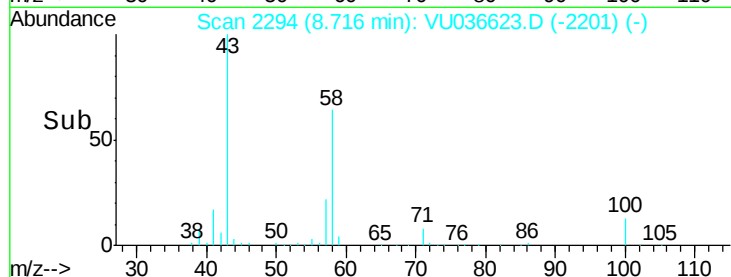


Abundance Ion 43.00 (42.70 to 43.70): VU036623.D (-2201) (-)

Ion 58.00 (57.70 to 58.70): VU036623.D (-2201) (-)

Ion 57.00 (56.70 to 57.70): VU036623.D (-2201) (-)

Ion 100.00 (99.70 to 100.70): VU036623.D (-2201) (-)



#49

Dibromochloromethane

Concen: 49.11 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU036623.D

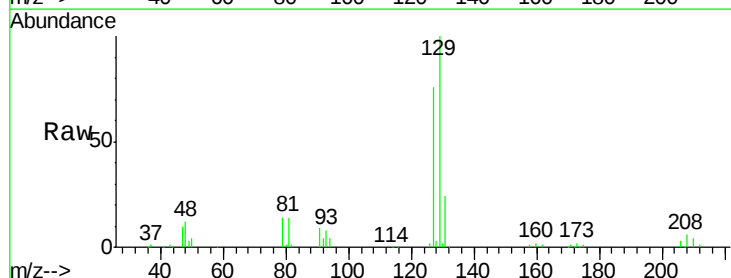
Acq: 30 Jan 2020 16:48

Tgt Ion: 129 Resp: 113291

Ion Ratio Lower Upper

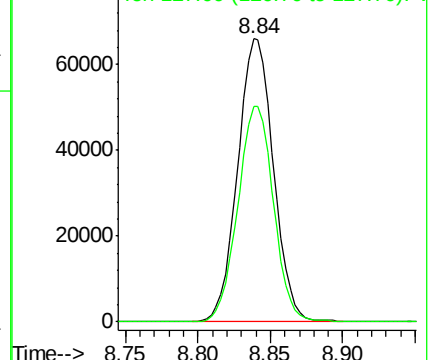
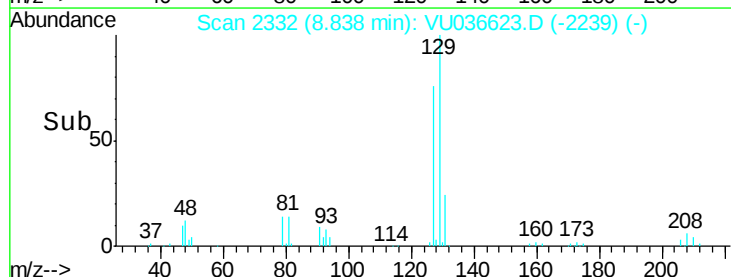
129 100

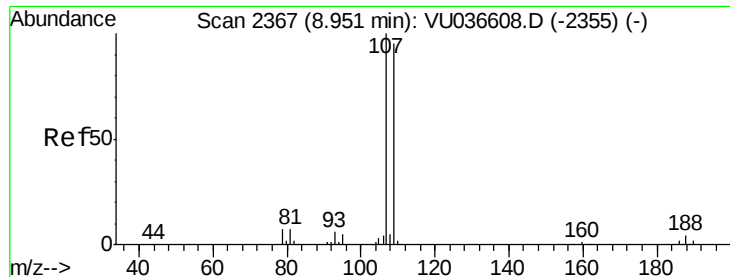
127 76.0 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): VU036623.D (-2239) (-)

Ion 127.00 (126.70 to 127.70): VU036623.D (-2239) (-)

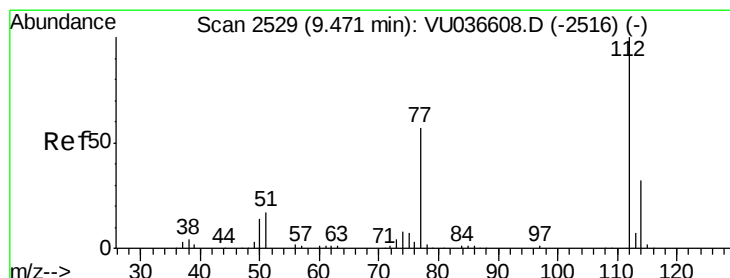
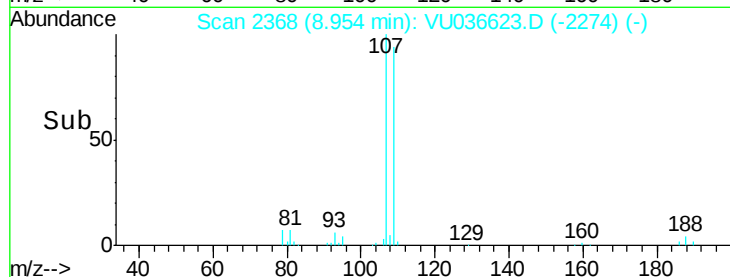
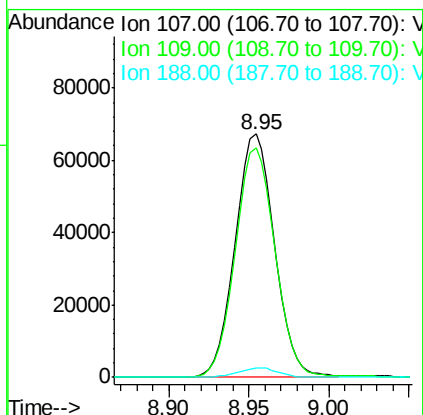
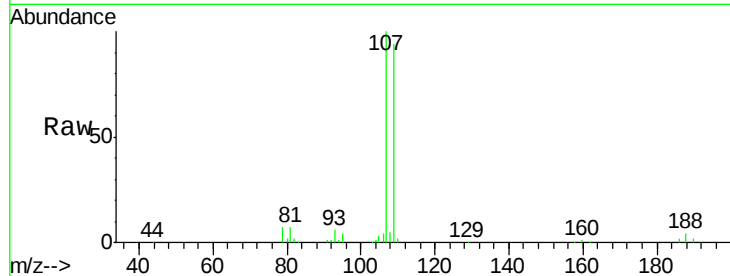




#50
1,2-Dibromoethane
Concen: 48.16 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

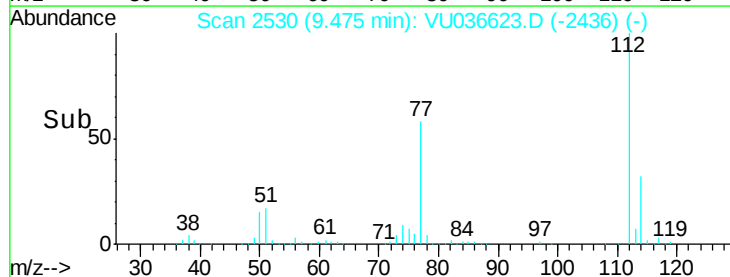
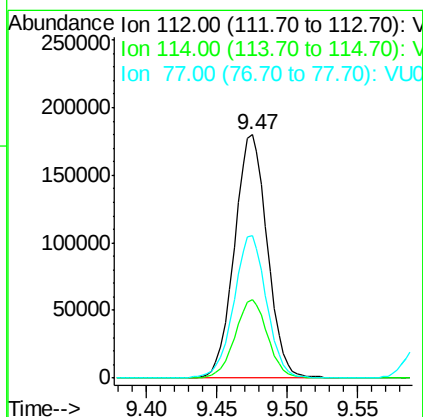
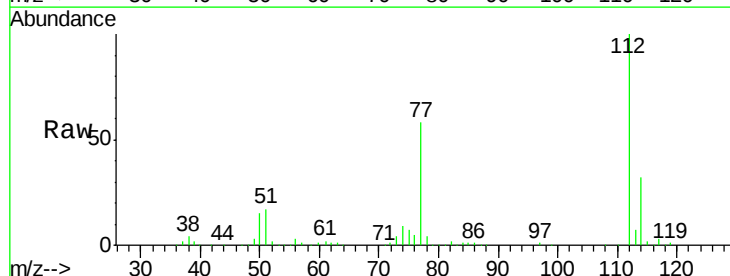
Instrument :
MSVOA_U
ClientSampleId :
VSTD05050

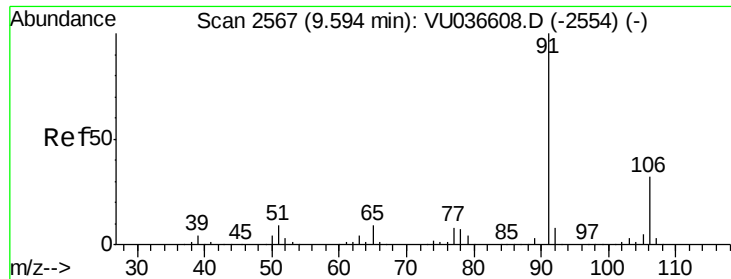
Tgt Ion:107 Resp: 113143
Ion Ratio Lower Upper
107 100
109 94.4 66.3 123.1
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 48.48 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036623.D
Acq: 30 Jan 2020 16:48

Tgt Ion:112 Resp: 293942
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 58.3 45.7 68.5





#52

Ethylbenzene

Concen: 49.27 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

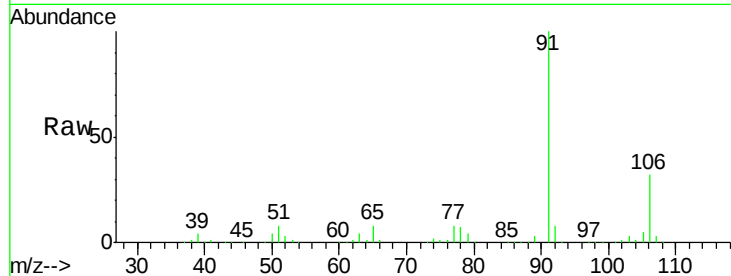
VSTD05050

Tgt Ion: 91 Resp: 501502

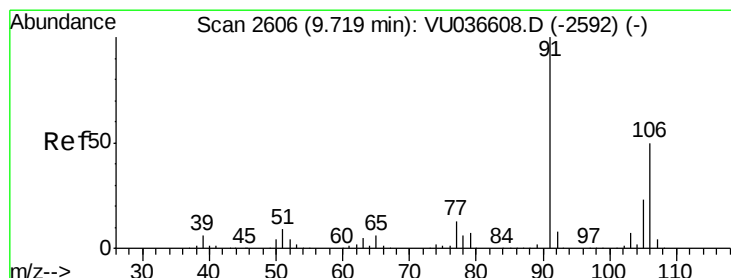
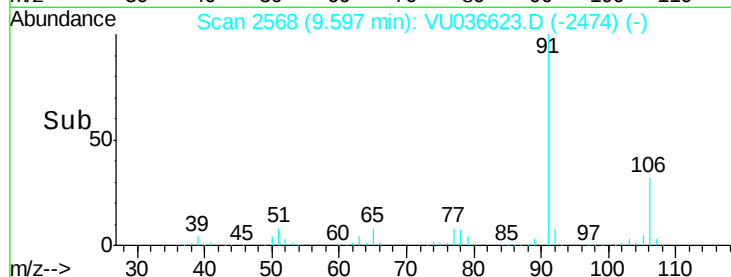
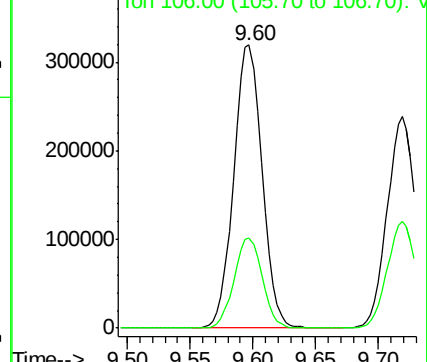
Ion Ratio Lower Upper

91 100

106 32.0 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036608.D (-2554) (-)



#53

m,p-Xylene

Concen: 49.87 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036623.D

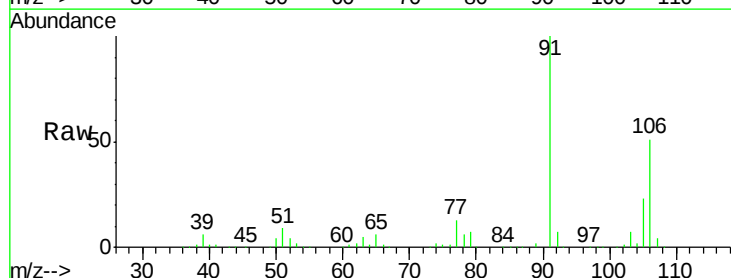
Acq: 30 Jan 2020 16:48

Tgt Ion: 106 Resp: 197977

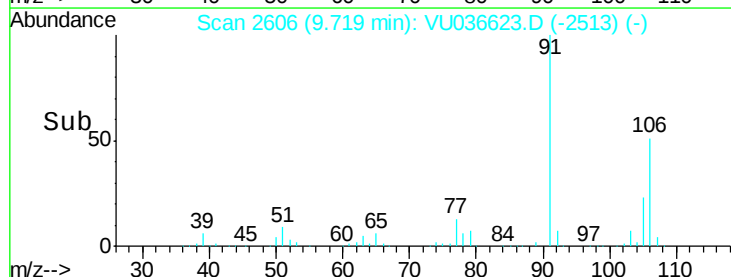
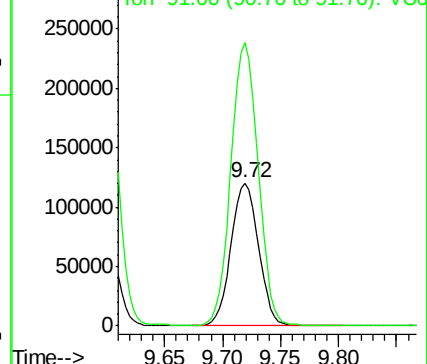
Ion Ratio Lower Upper

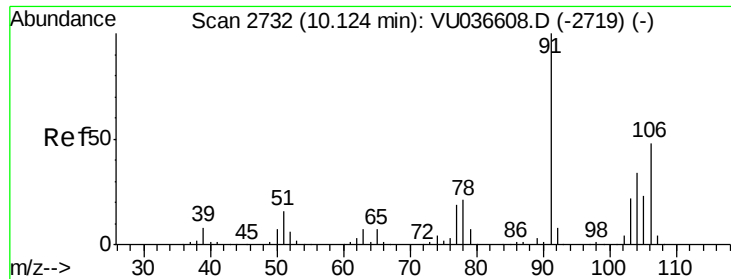
106 100

91 197.9 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036608.D (-2592) (-)





#54

o-xylene

Concen: 48.67 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

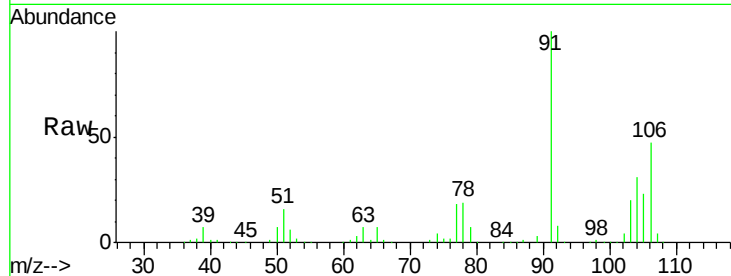
VSTD05050

Tgt Ion:106 Resp: 192730

Ion Ratio Lower Upper

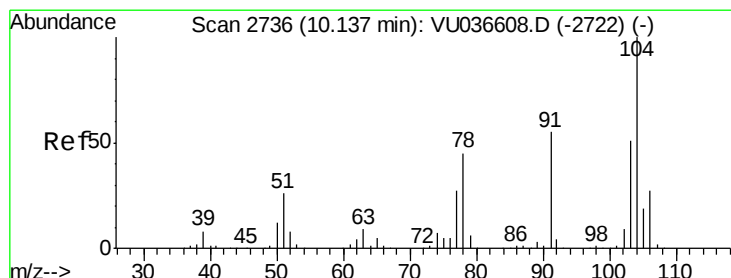
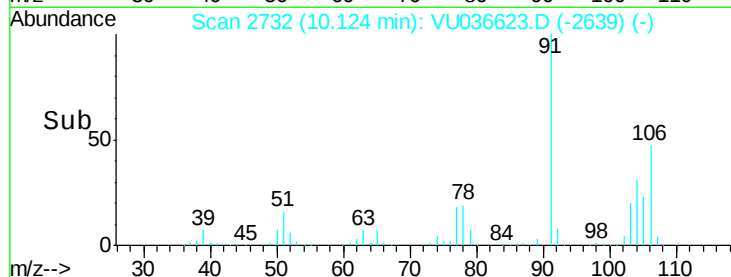
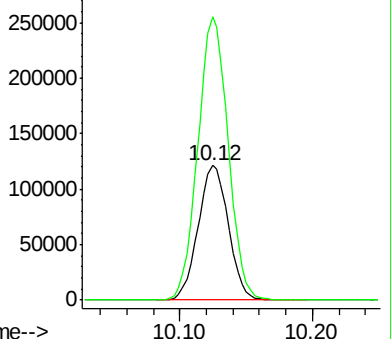
106 100

91 210.6 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.59 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU036623.D

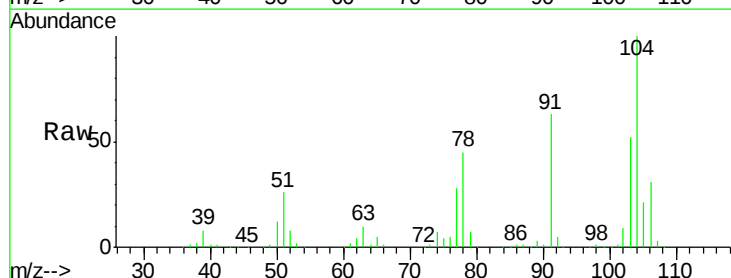
Acq: 30 Jan 2020 16:48

Tgt Ion:104 Resp: 325120

Ion Ratio Lower Upper

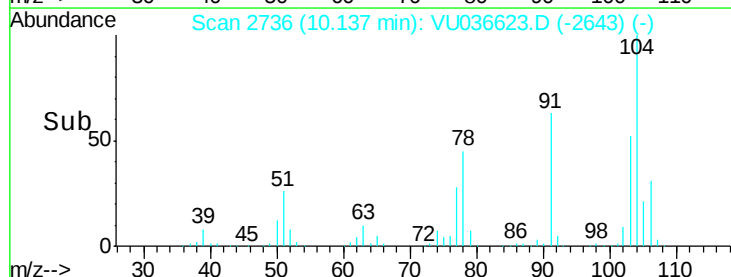
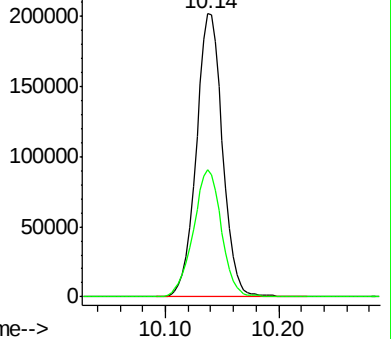
104 100

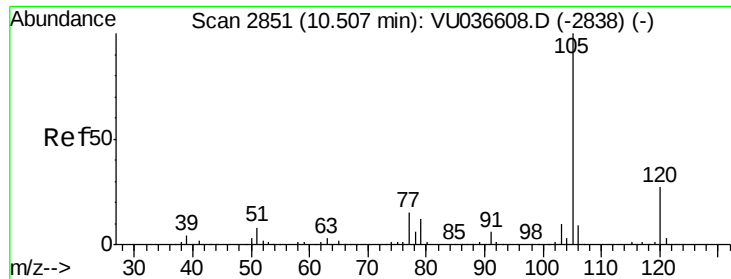
78 44.8 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.63 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

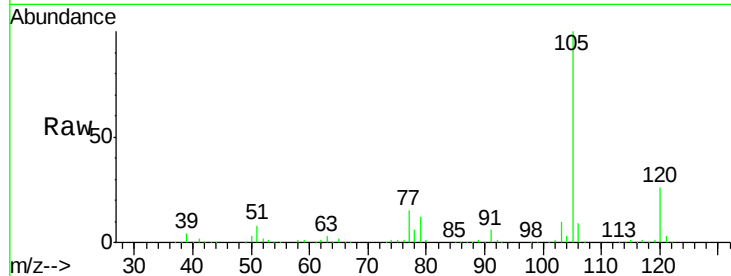
Tgt Ion:105 Resp: 499722

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

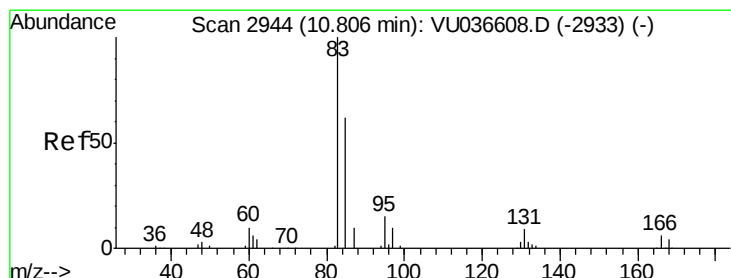
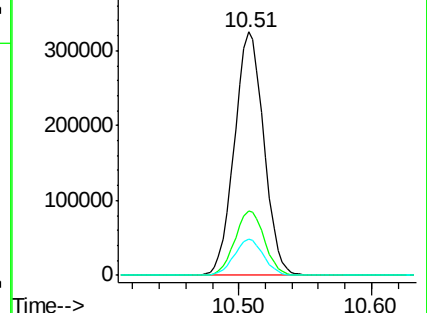
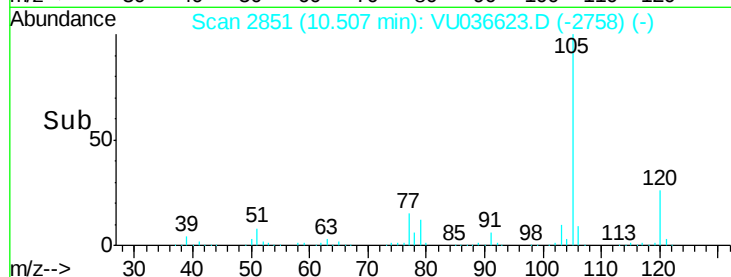
77 14.8 11.8 17.8



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: 48.80 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

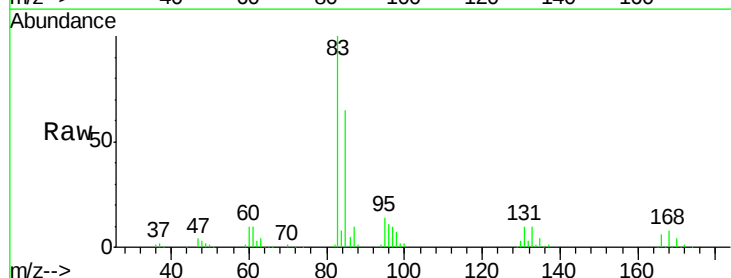
Tgt Ion: 83 Resp: 183364

Ion Ratio Lower Upper

83 100

85 64.7 44.5 82.7

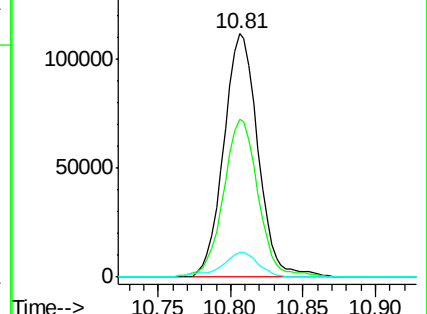
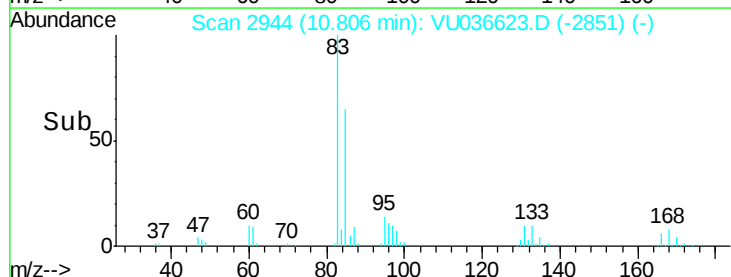
131 10.0 7.8 11.8

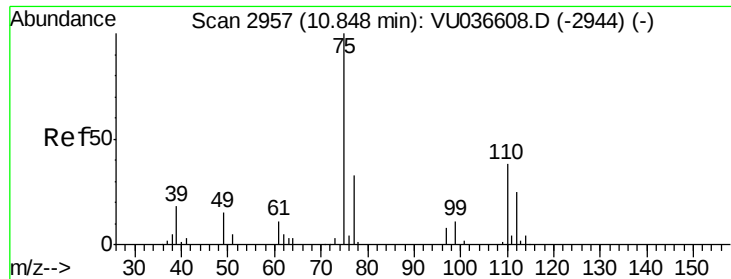


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.60 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

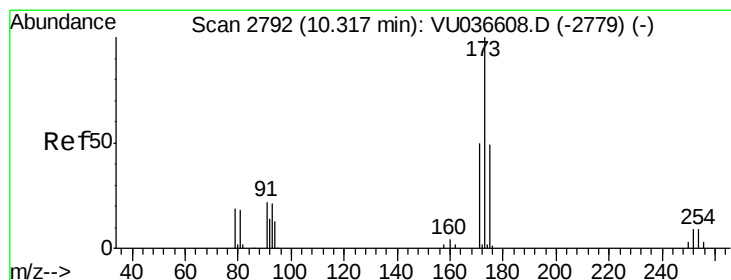
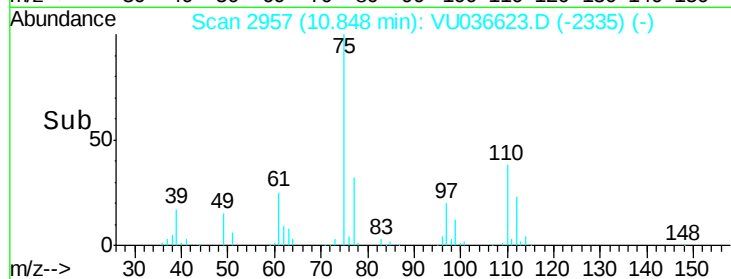
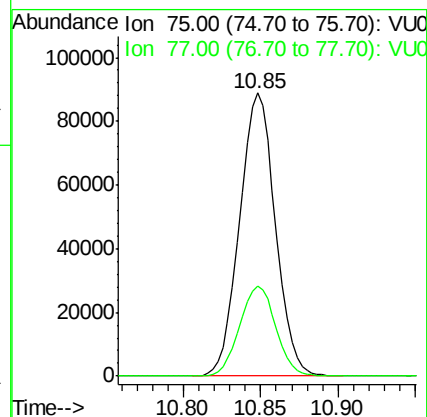
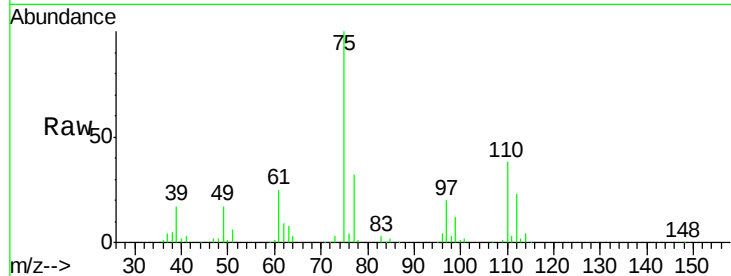
VSTD05050

Tgt Ion: 75 Resp: 142735

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#61

Bromoform

Concen: 44.90 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

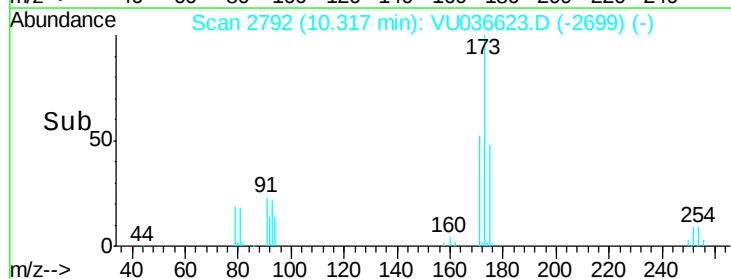
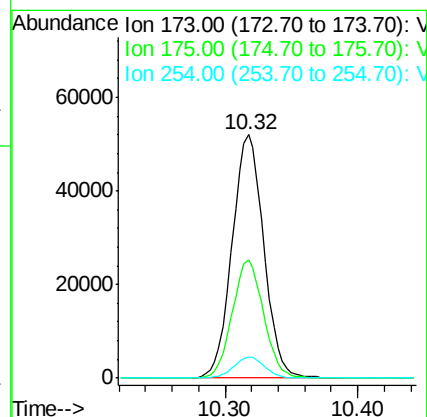
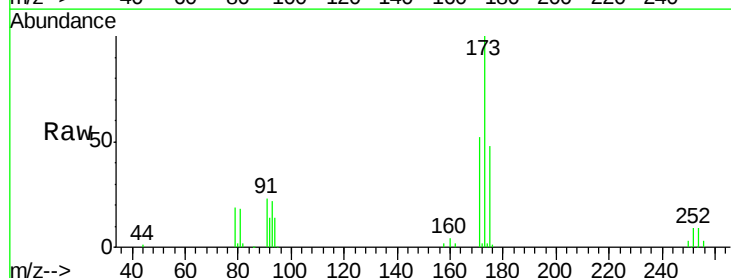
Tgt Ion: 173 Resp: 86210

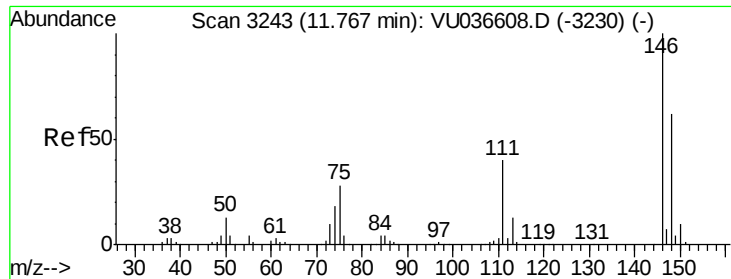
Ion Ratio Lower Upper

173 100

175 48.0 39.3 58.9

254 8.5 6.6 10.0

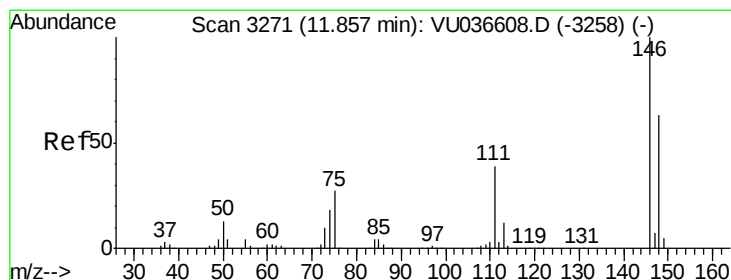
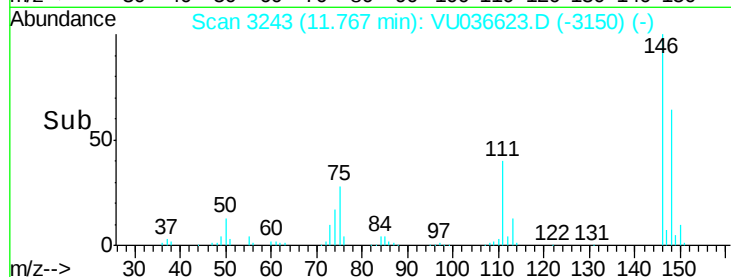
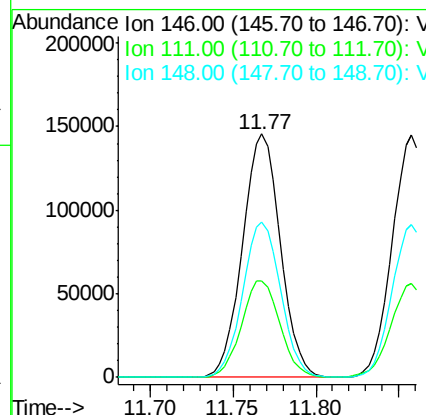
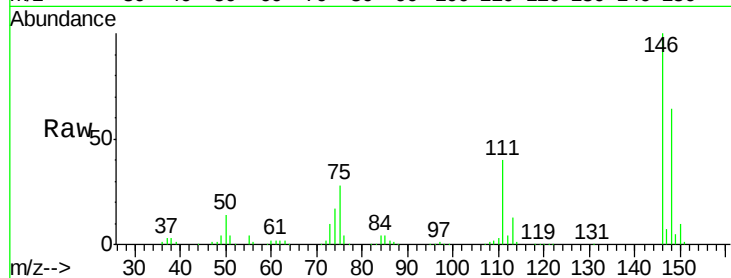




#62
 1,3-Dichlorobenzene
 Concen: 47.07 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

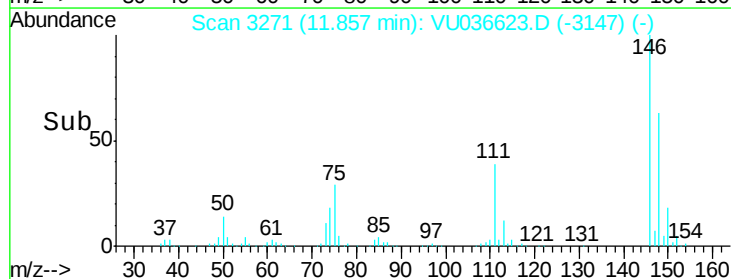
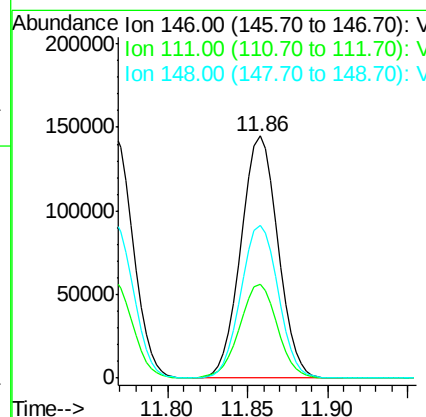
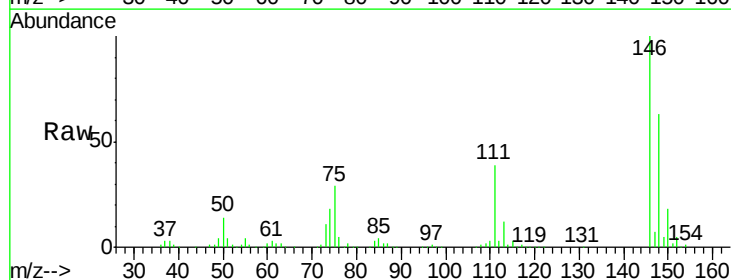
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

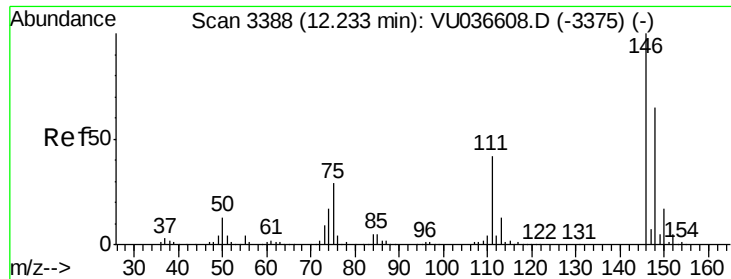
Tgt Ion:146 Resp: 230578
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.0
 148 64.0 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 47.33 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Tgt Ion:146 Resp: 228229
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.2 50.4
 148 63.1 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 46.77 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

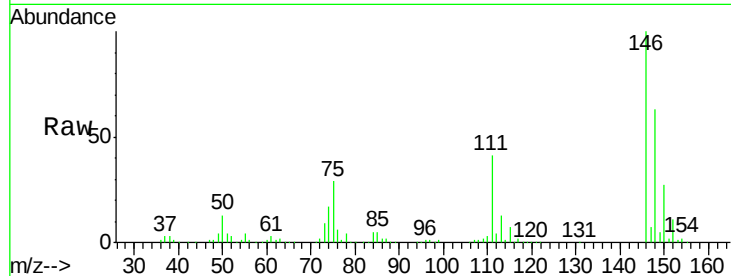
Tgt Ion: 146 Resp: 232221

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.2

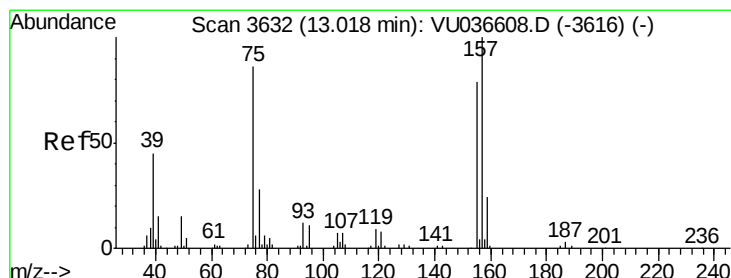
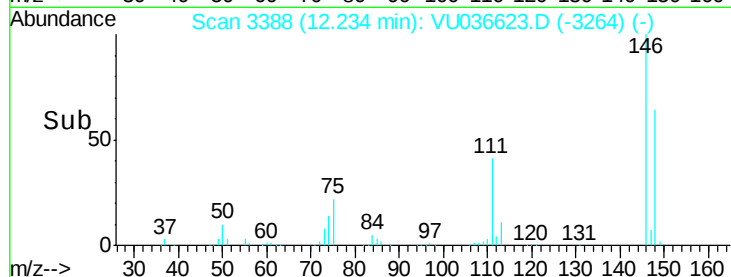
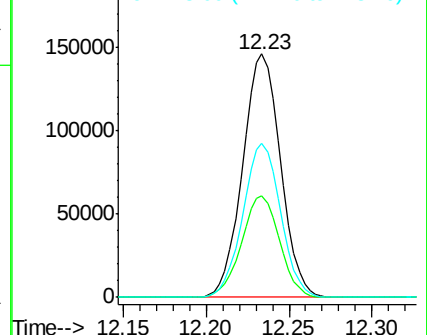
148 63.3 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.16 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

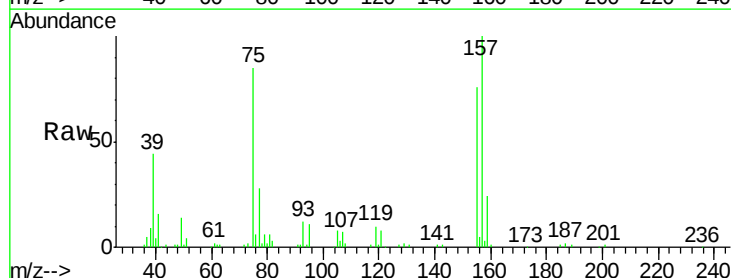
Tgt Ion: 75 Resp: 39763

Ion Ratio Lower Upper

75 100

155 90.2 73.4 110.2

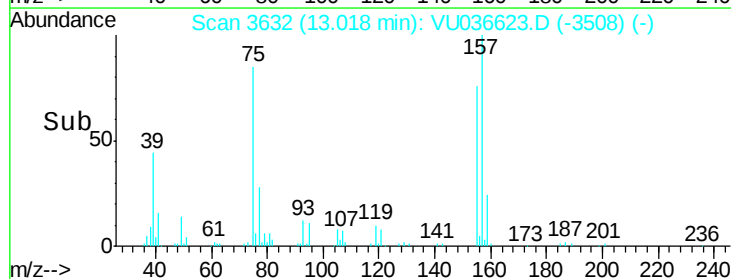
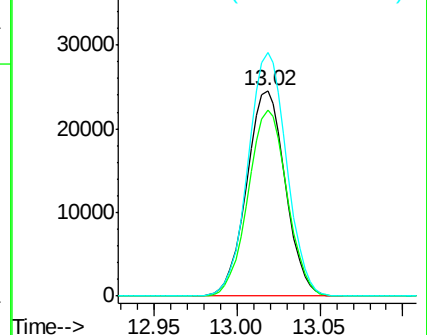
157 118.3 96.8 145.2

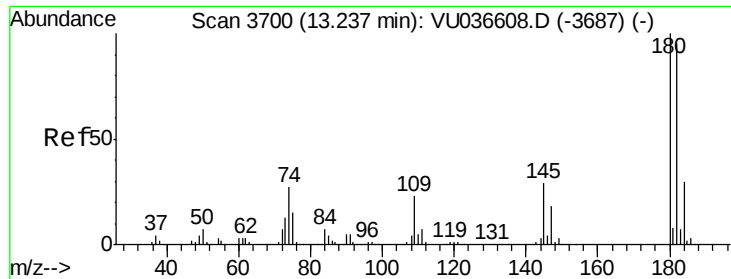


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

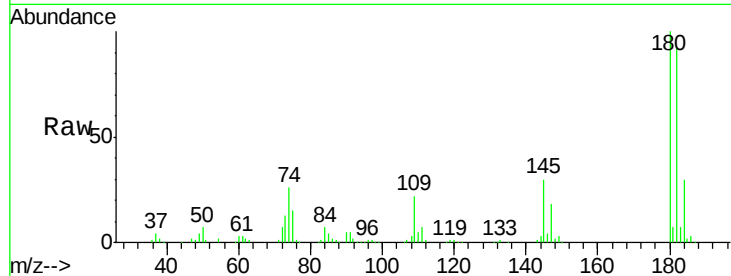




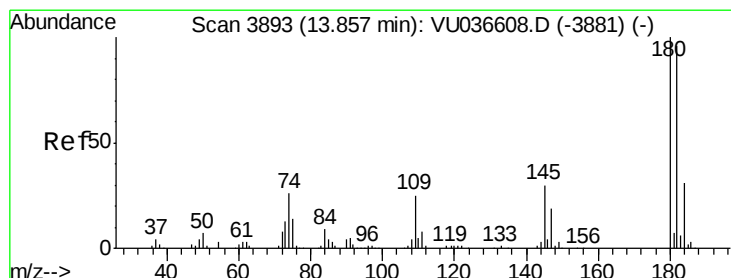
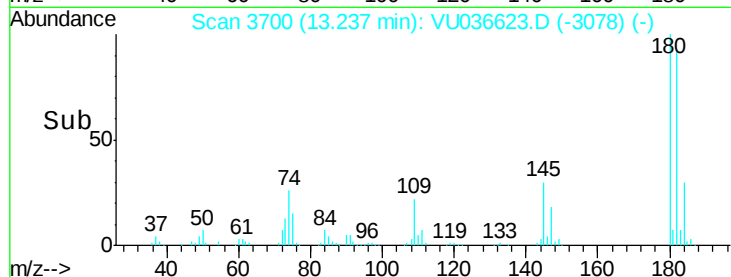
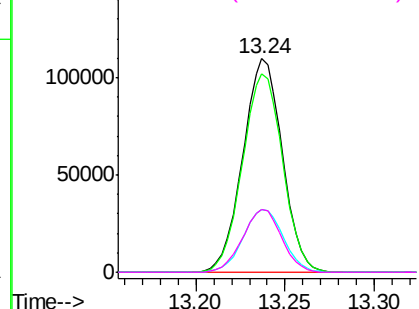
#67
 1,3,5-Trichlorobenzene
 Concen: 50.08 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Tgt Ion:180 Resp: 168467
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.6 115.0
 184 30.1 24.2 36.4
 145 29.3 23.3 34.9

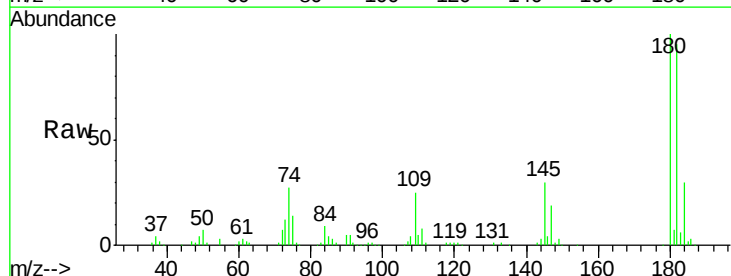


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

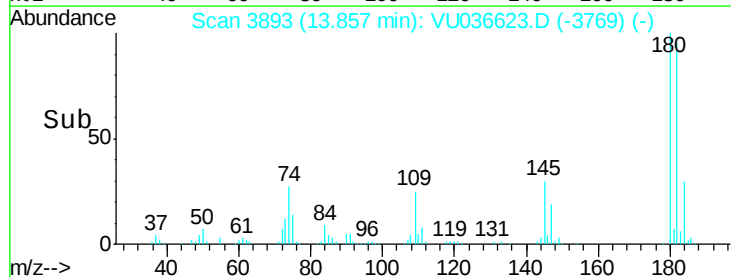
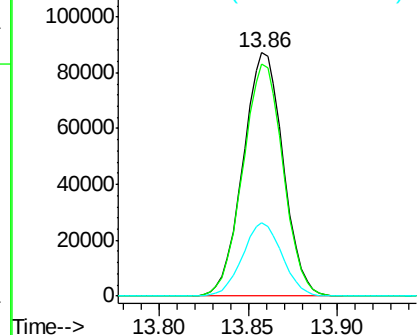


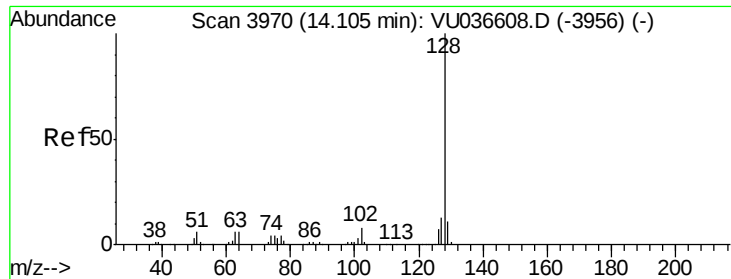
#68
 1,2,4-trichlorobenzene
 Concen: 56.92 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036623.D
 Acq: 30 Jan 2020 16:48

Tgt Ion:180 Resp: 136466
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.9 112.3
 145 29.6 23.8 35.8



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: 63.08 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05050

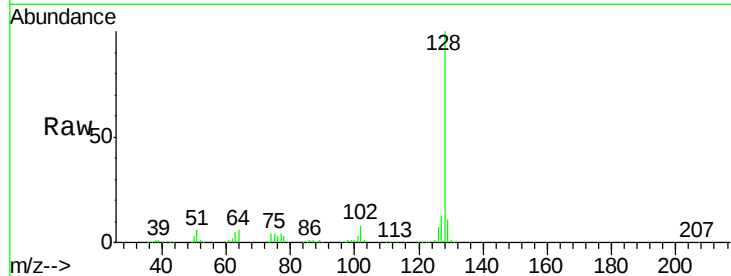
Tgt Ion:128 Resp: 437616

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

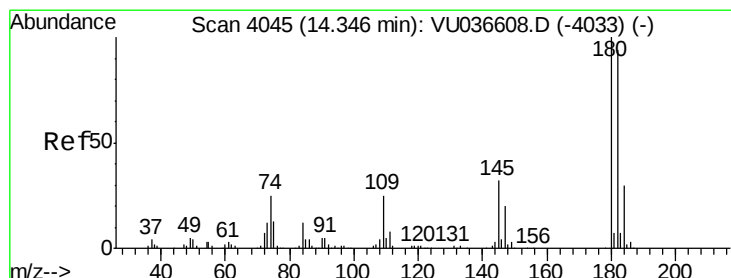
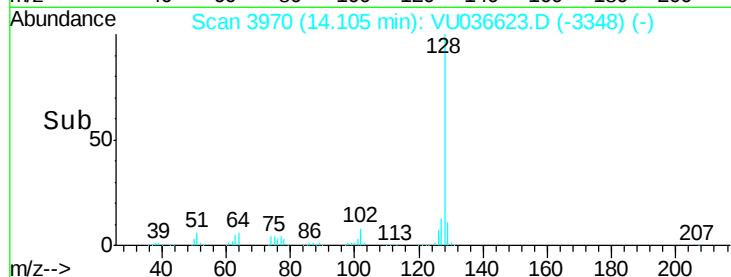
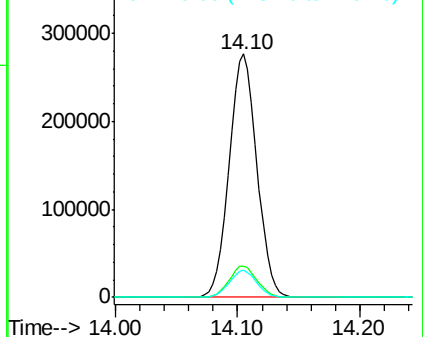
129 10.9 8.6 12.8



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: 55.01 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036623.D

Acq: 30 Jan 2020 16:48

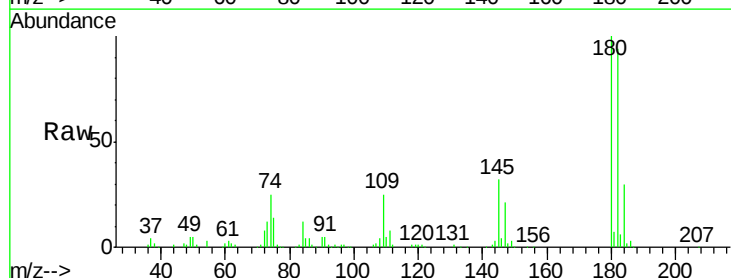
Tgt Ion:180 Resp: 135909

Ion Ratio Lower Upper

180 100

182 94.6 76.1 114.1

145 31.8 25.4 38.2



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

