

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
 Data File : VU036608.D
 Acq On : 30 Jan 2020 09:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jan 30 12:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:13:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	327652	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	308504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158229	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	110034	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.68%
7) Chloroethane-d5	1.93	69	94265	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.59	63	190571	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.06%
21) 2-Butanone-d5	4.67	46	145640	99.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	5.11	84	185985	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.74	65	115693	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.76	84	403423	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
36) 1,2-Dichloropropane-d6	6.73	67	128889	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.93	98	386080	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%
43) trans-1,3-Dichloropropene-	8.21	79	62016	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
47) 2-Hexanone-d5	8.66	63	133327	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	185379	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	151284	44.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	124360	49.83	ug/L	100
3) Chloromethane	1.54	50	129129	48.60	ug/L	99
5) Vinyl chloride	1.62	62	143340	50.60	ug/L	99
6) Bromomethane	1.87	94	85001	51.14	ug/L	98
8) Chloroethane	1.95	64	83050	48.64	ug/L	100
9) Trichlorofluoromethane	2.16	101	164191	49.28	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104895	50.65	ug/L	99
12) 1,1-Dichloroethene	2.60	96	103163	50.66	ug/L	94
13) Acetone	2.66	43	163608	116.03	ug/L	100
14) Carbon disulfide	2.82	76	309086	50.23	ug/L	100
15) Methyl Acetate	2.98	43	115317	52.31	ug/L	98
16) Methylene chloride	3.08	84	117437	47.54	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	110100	50.33	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	345519	49.32	ug/L	100
19) 1,1-Dichloroethane	3.91	63	193305	49.56	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	123230	49.55	ug/L	95
22) 2-Butanone	4.75	43	195049	115.13	ug/L	98

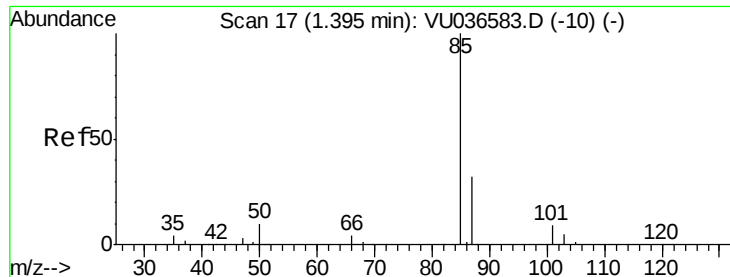
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60591	46.90	ug/L	96
25) Chloroform	5.13	83	196437	49.11	ug/L	98
27) 1,2-Dichloroethane	5.83	62	142447	47.59	ug/L	100
29) Cyclohexane	5.43	56	184494	52.26	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	161132	49.75	ug/L	99
31) Carbon tetrachloride	5.56	117	139888	50.27	ug/L	99
33) Benzene	5.81	78	452891	49.10	ug/L	100
34) Trichloroethene	6.57	95	118397	49.87	ug/L	99
35) Methylcyclohexane	6.80	83	203623	51.42	ug/L	99
37) 1,2-Dichloropropane	6.83	63	114978	49.05	ug/L	100
38) Bromodichloromethane	7.14	83	143769	48.81	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	194085	51.39	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	309828	102.95	ug/L	98
42) Toluene	8.00	91	497123	49.59	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	169164	51.04	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	111549	47.44	ug/L	99
46) Tetrachloroethene	8.58	164	97107	50.35	ug/L	98
48) 2-Hexanone	8.72	43	260495	115.07	ug/L	99
49) Dibromochloromethane	8.84	129	121636	48.87	ug/L	100
50) 1,2-Dibromoethane	8.95	107	121639	47.99	ug/L	100
51) Chlorobenzene	9.47	112	322377	49.28	ug/L	99
52) Ethylbenzene	9.59	91	547146	49.82	ug/L	99
53) m,p-Xylene	9.72	106	215319	50.27	ug/L	99
54) o-xylene	10.12	106	210292	49.22	ug/L	100
55) Styrene	10.14	104	357920	51.62	ug/L	97
56) Isopropylbenzene	10.51	105	545482	50.21	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	193723	47.79	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	150139	47.38	ug/L	100
61) Bromoform	10.32	173	93548	44.46	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	259957	48.42	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	258100	48.83	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	251852	46.28	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	41632	47.92	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	192627	52.24	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	157878	60.08	ug/L	99
69) Naphthalene	14.10	128	491003	64.57	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	153164	56.56	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.83 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

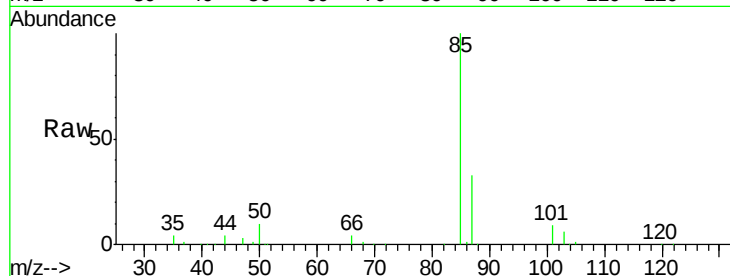
VSTD05049

Tgt Ion: 85 Resp: 124360

Ion Ratio Lower Upper

85 100

87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036608.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036608.D (-1) (-)

1.39

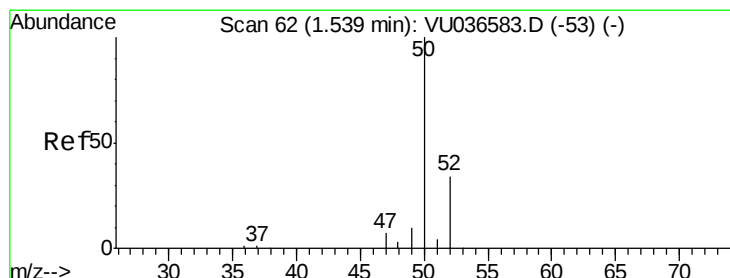
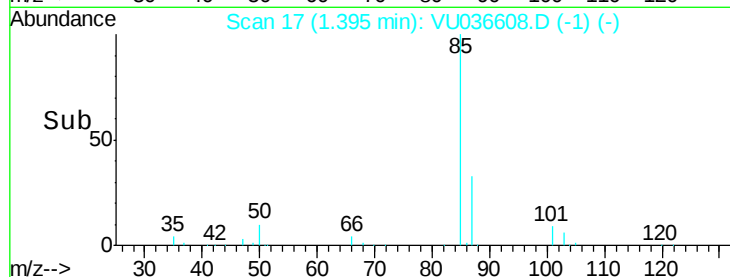
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.60 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036608.D

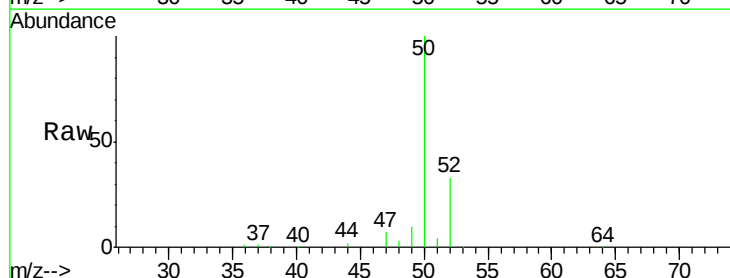
Acq: 30 Jan 2020 09:46

Tgt Ion: 50 Resp: 129129

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036608.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036608.D (-1) (-)

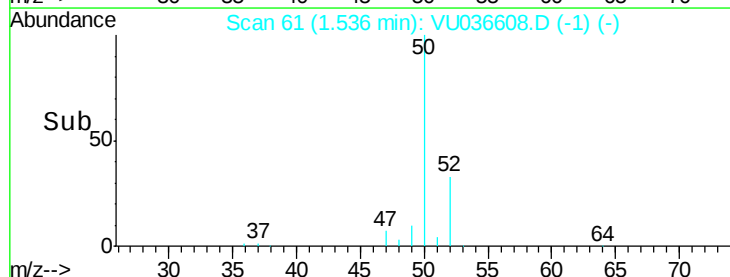
1.54

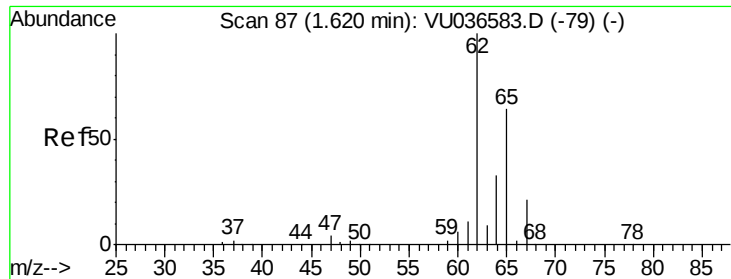
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.60 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

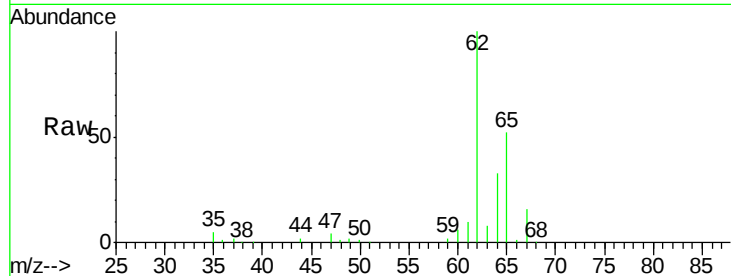
VSTD05049

Tgt Ion: 62 Resp: 143340

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.62

150000

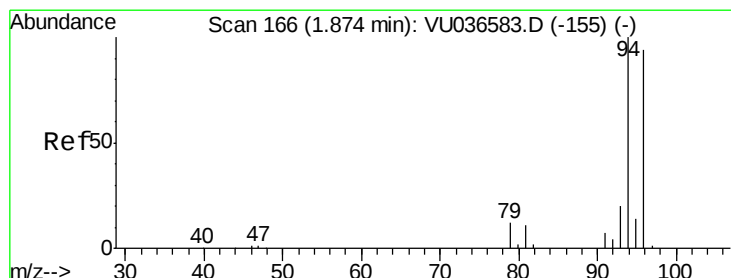
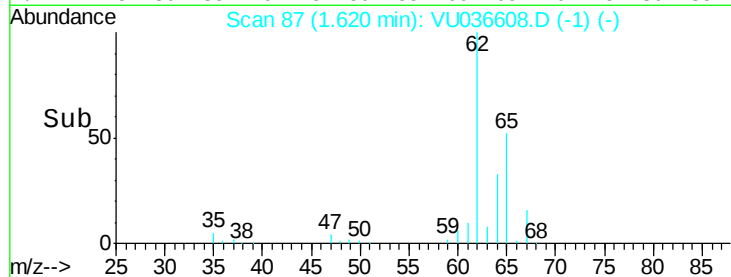
100000

50000

0

Time-->

1.60 1.65



#6

Bromomethane

Concen: 51.14 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036608.D

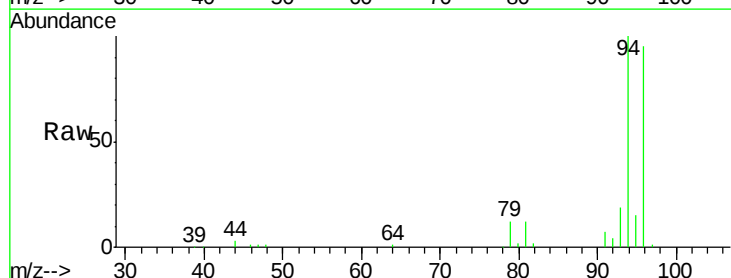
Acq: 30 Jan 2020 09:46

Tgt Ion: 94 Resp: 85001

Ion Ratio Lower Upper

94 100

96 94.6 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

60000

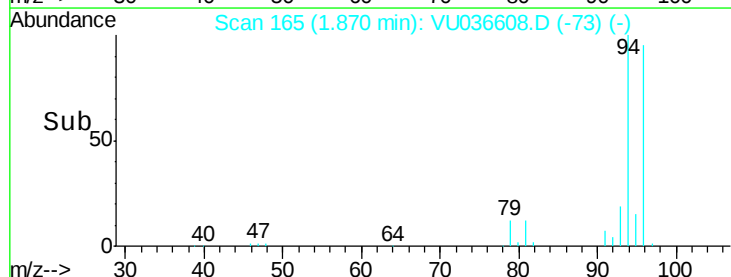
40000

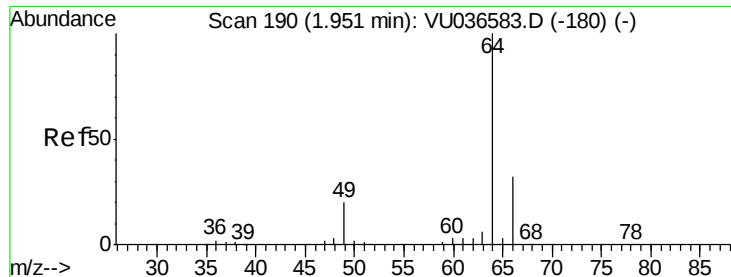
20000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 48.64 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

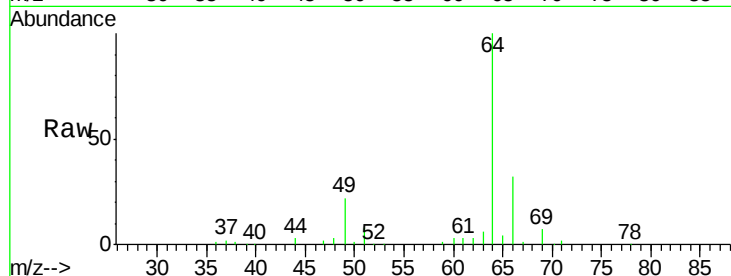
VSTD05049

Tgt Ion: 64 Resp: 83050

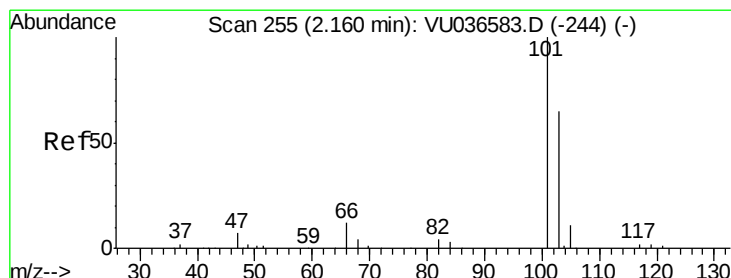
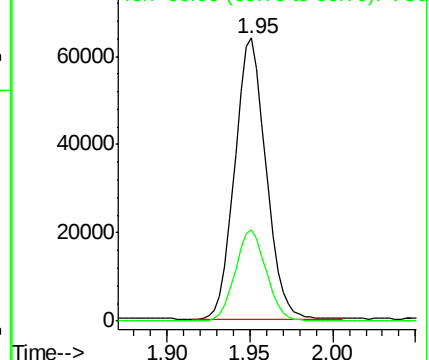
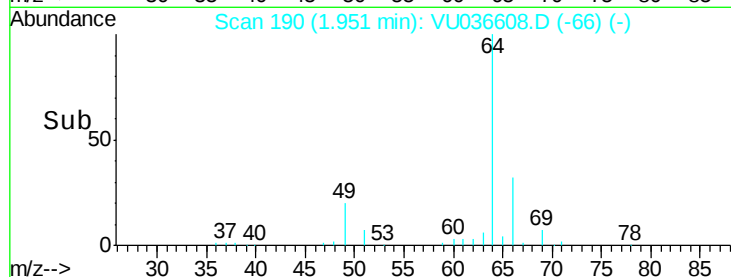
Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU036608.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 49.28 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036608.D

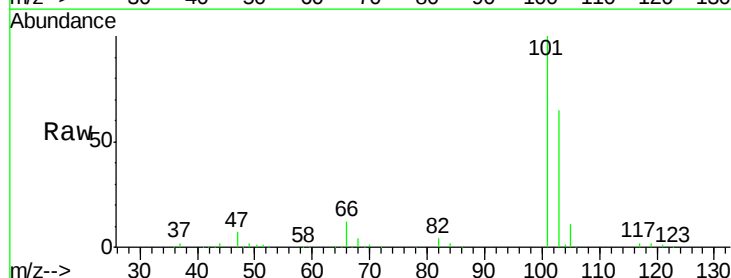
Acq: 30 Jan 2020 09:46

Tgt Ion: 101 Resp: 164191

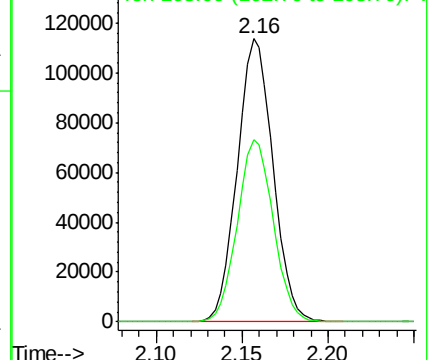
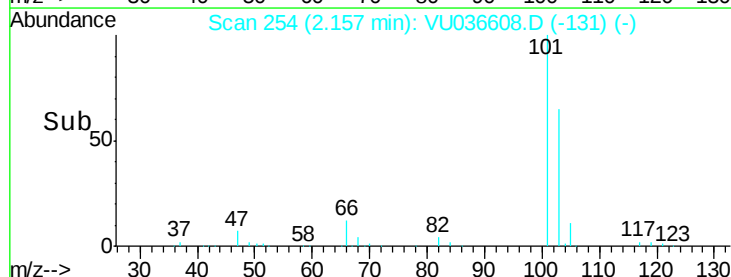
Ion Ratio Lower Upper

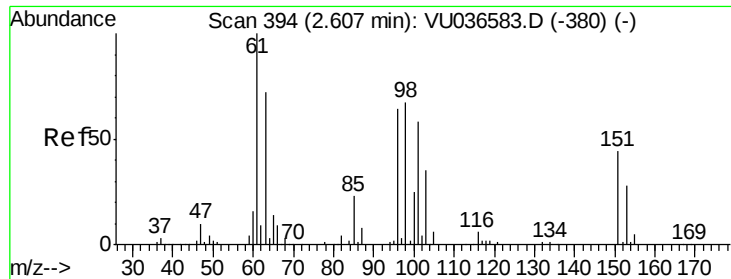
101 100

103 64.7 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU036608.D (-131) (-)





#10

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

Concen: 50.65 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

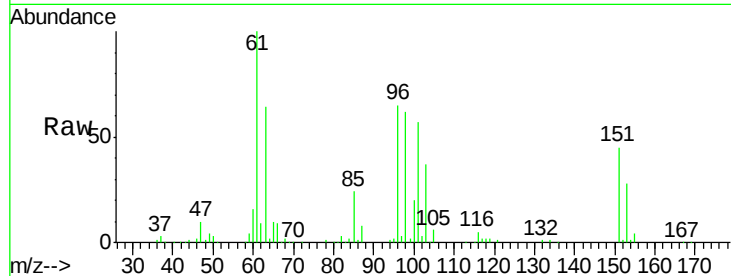
Tgt Ion: 101 Resp: 104895

Ion Ratio Lower Upper

101 100

85 41.0 32.6 49.0

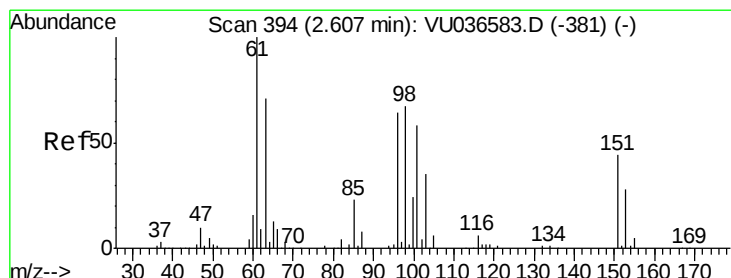
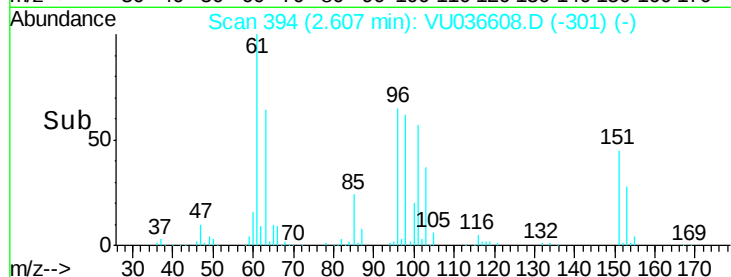
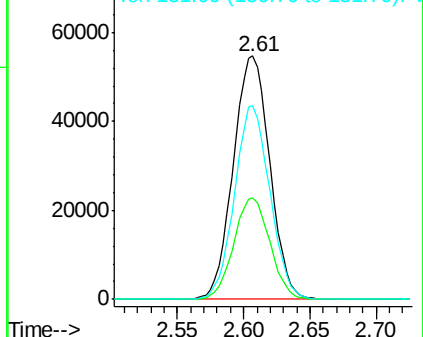
151 76.8 60.3 90.5



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: 50.66 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

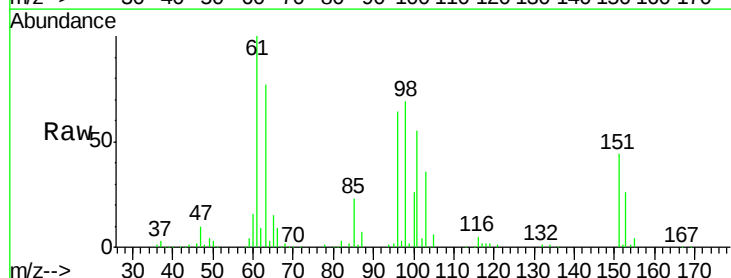
Tgt Ion: 96 Resp: 103163

Ion Ratio Lower Upper

96 100

61 156.8 108.6 201.8

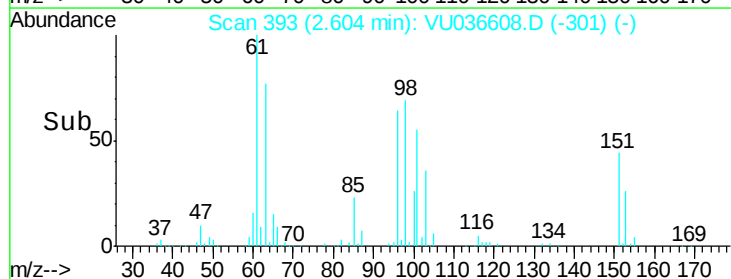
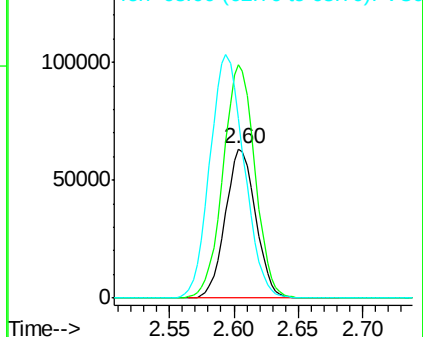
63 120.7 75.0 139.2

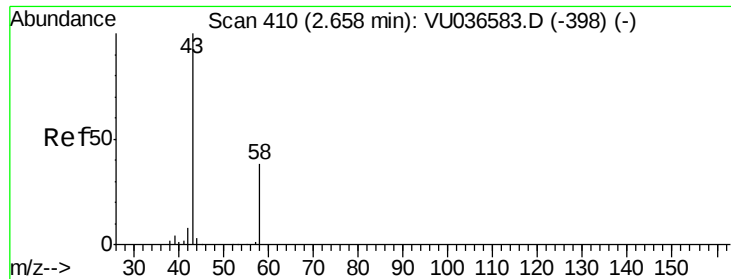


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 116.03 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

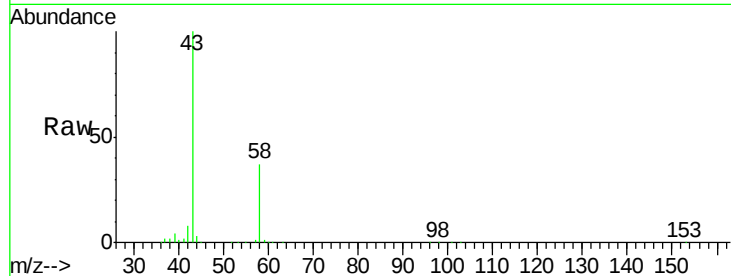
VSTD05049

Tgt Ion: 43 Resp: 163608

Ion Ratio Lower Upper

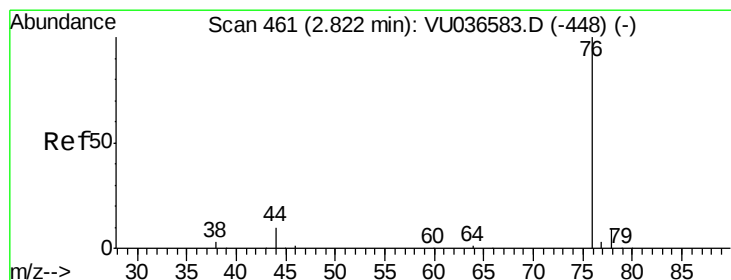
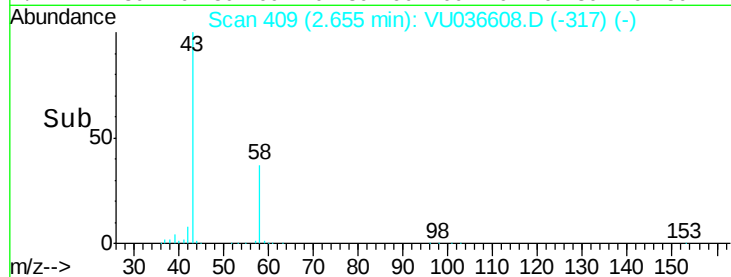
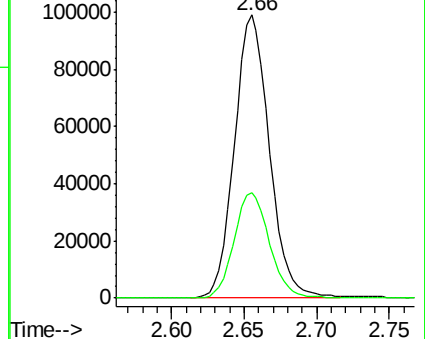
43 100

58 37.7 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036608.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036608.D (-317) (-)



#14

Carbon disulfide

Concen: 50.23 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036608.D

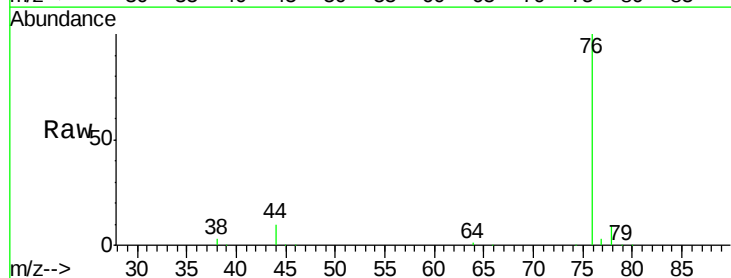
Acq: 30 Jan 2020 09:46

Tgt Ion: 76 Resp: 309086

Ion Ratio Lower Upper

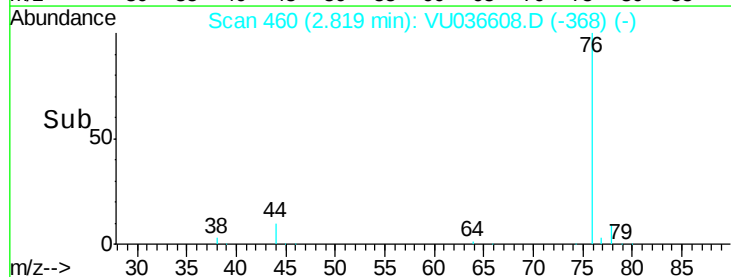
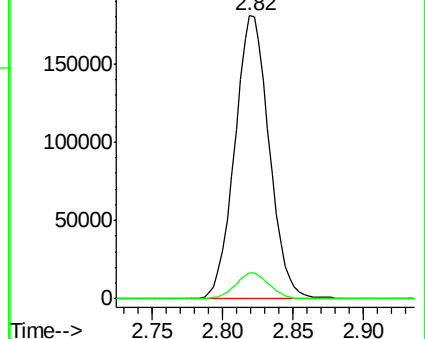
76 100

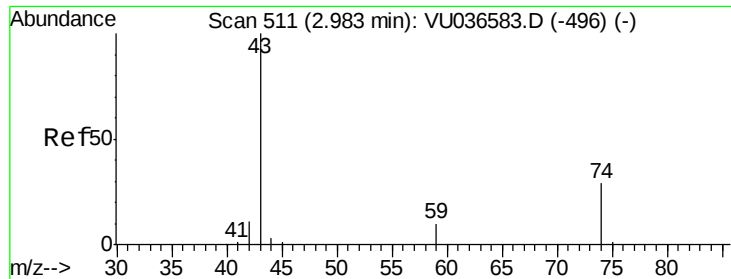
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036608.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036608.D (-368) (-)

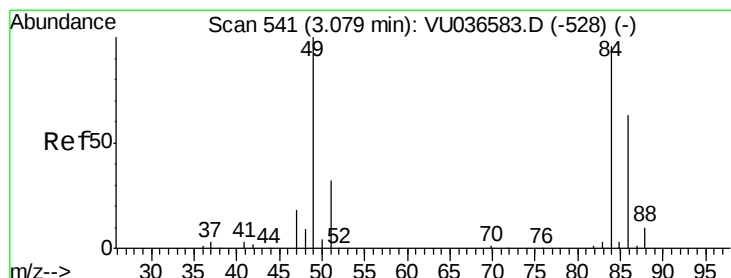
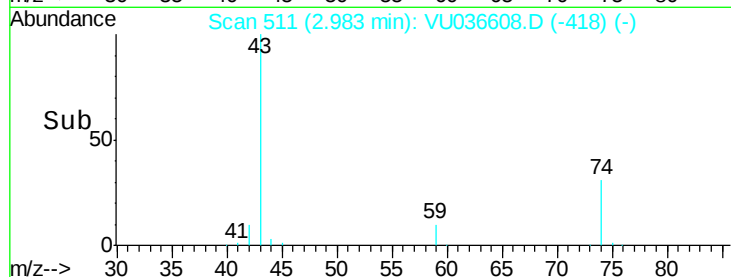
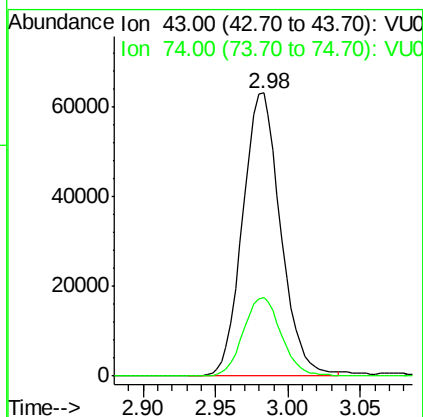
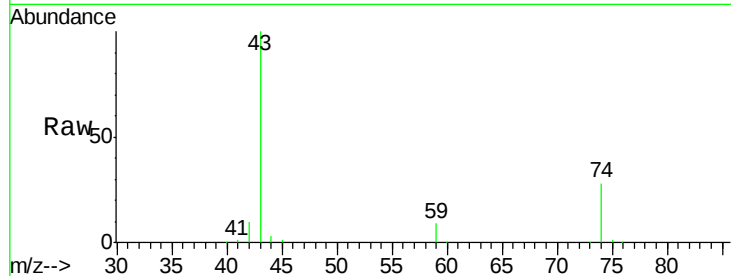




#15
Methyl Acetate
Concen: 52.31 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

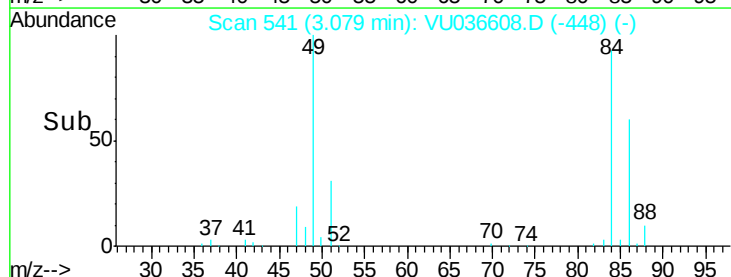
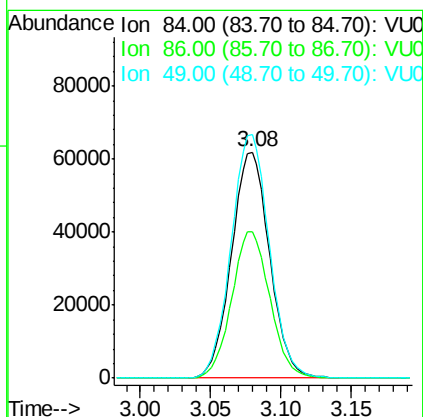
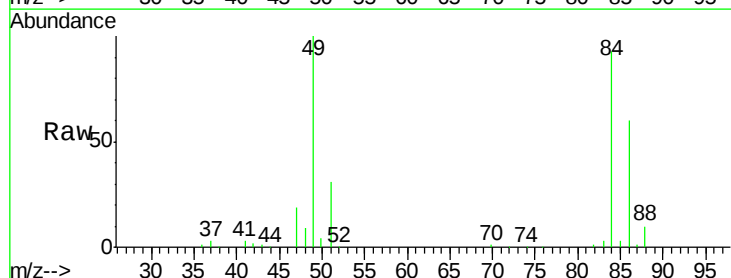
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

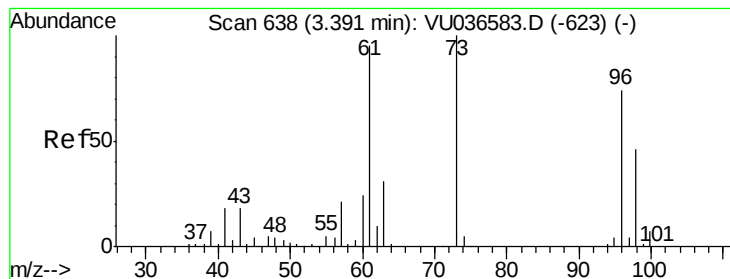
Tgt Ion: 43 Resp: 115317
Ion Ratio Lower Upper
43 100
74 28.0 23.3 34.9



#16
Methylene chloride
Concen: 47.54 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Tgt Ion: 84 Resp: 117437
Ion Ratio Lower Upper
84 100
86 64.7 44.1 81.9
49 107.6 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 50.33 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

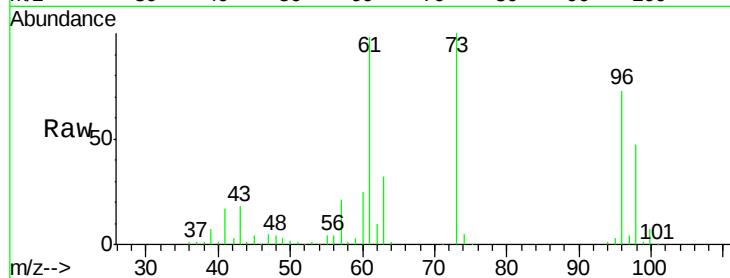
Tgt Ion: 96 Resp: 110100

Ion Ratio Lower Upper

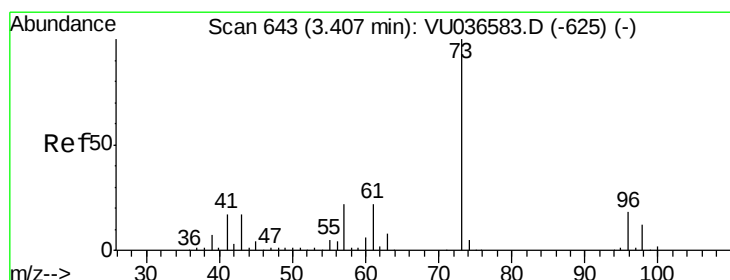
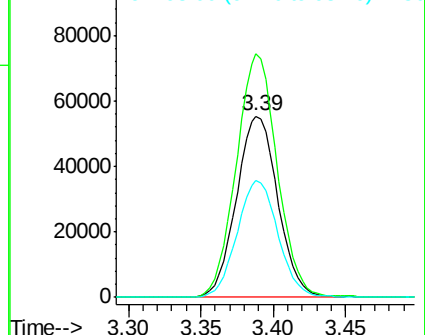
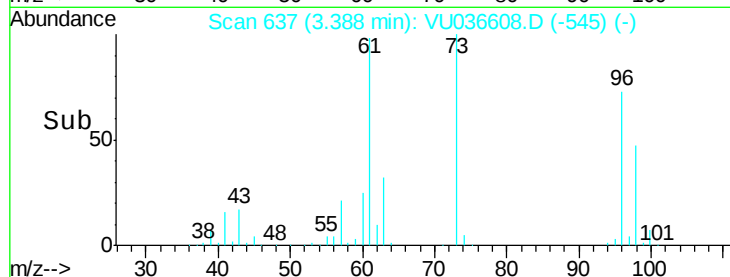
96 100

61 134.1 93.4 173.4

98 64.6 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU036608.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 49.32 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

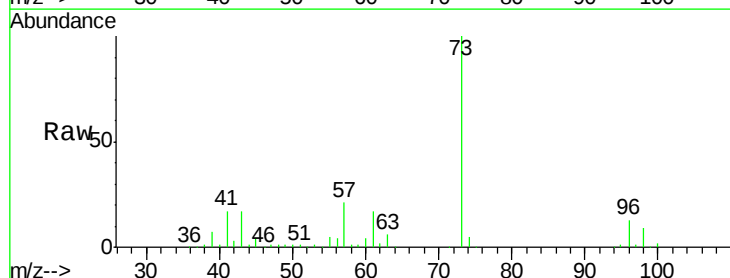
Tgt Ion: 73 Resp: 345519

Ion Ratio Lower Upper

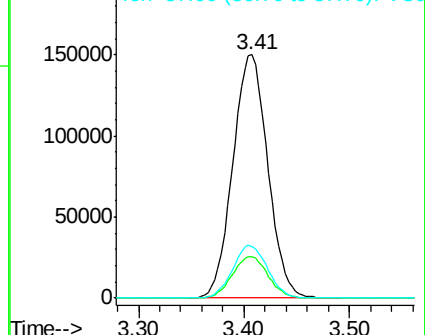
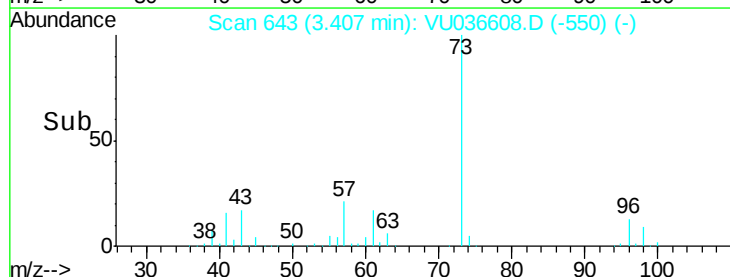
73 100

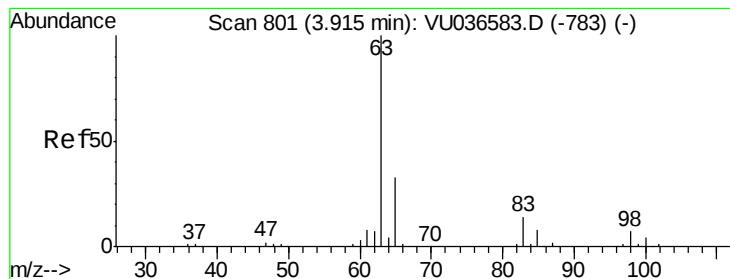
43 17.4 14.2 21.4

57 21.7 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VU036608.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 49.56 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

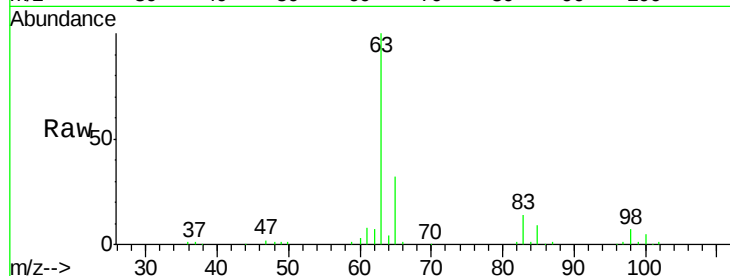
Tgt Ion: 63 Resp: 193305

Ion Ratio Lower Upper

63 100

65 32.4 21.9 40.7

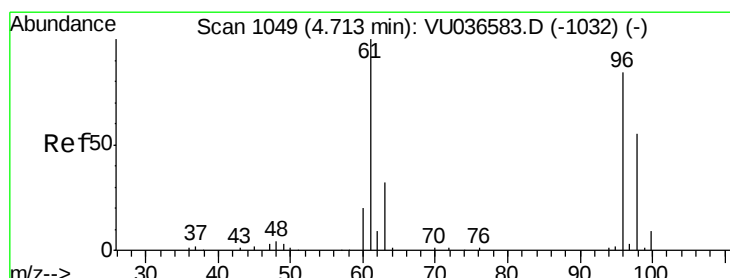
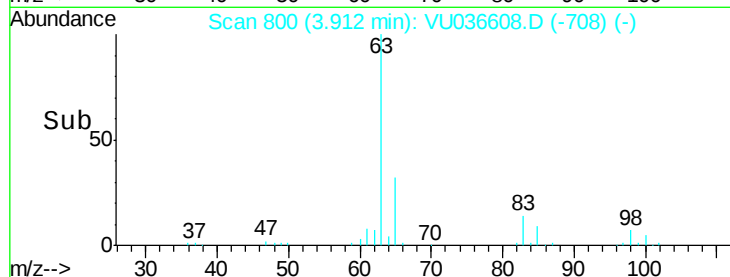
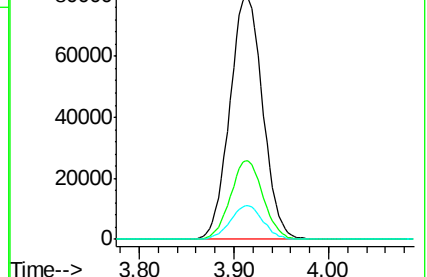
83 14.0 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU036608.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036608.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036608.D (-783) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.55 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

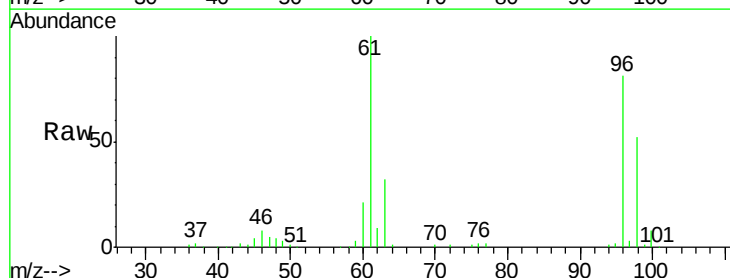
Tgt Ion: 96 Resp: 123230

Ion Ratio Lower Upper

96 100

61 123.1 82.2 152.6

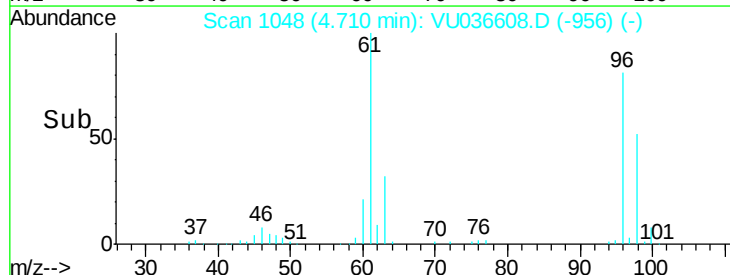
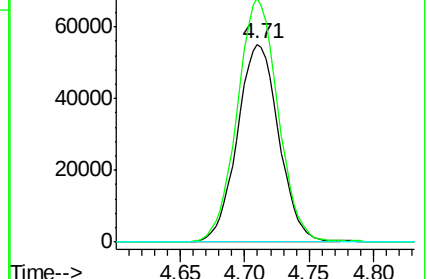
68 0.0 0.0 0.0

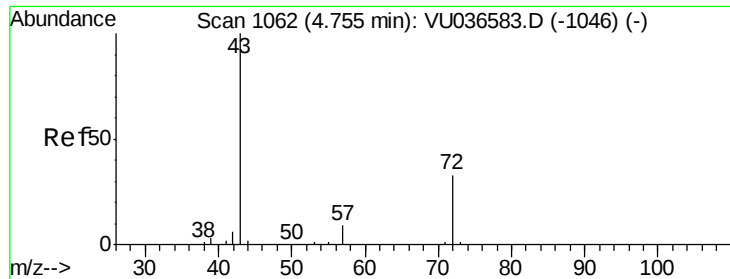


Abundance Ion 96.00 (95.70 to 96.70): VU036608.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036608.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036608.D (-956) (-)





#22

2-Butanone

Concen: 115.13 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

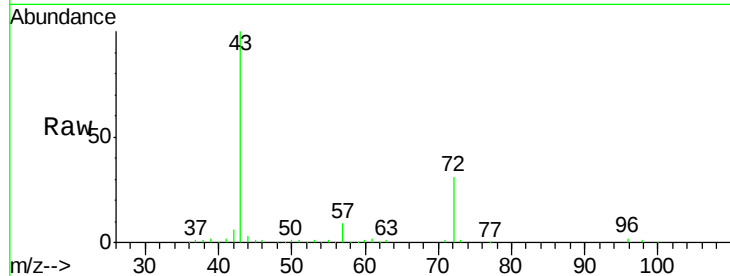
VSTD05049

Tgt Ion: 43 Resp: 195049

Ion Ratio Lower Upper

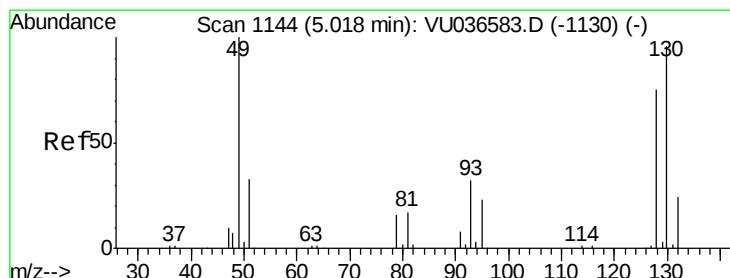
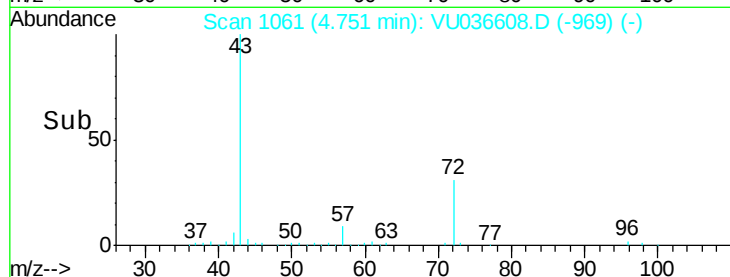
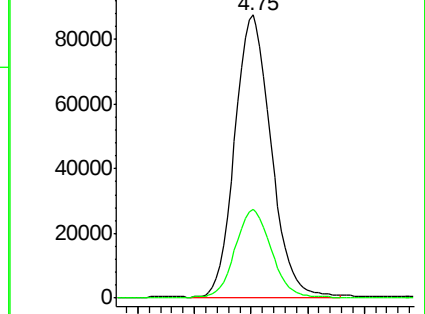
43 100

72 32.0 16.7 50.1



Abundance Ion 43.00 (42.70 to 43.70): VU036608.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036608.D (-969) (-)



#23

Bromochloromethane

Concen: 46.90 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Tgt Ion: 128 Resp: 60591

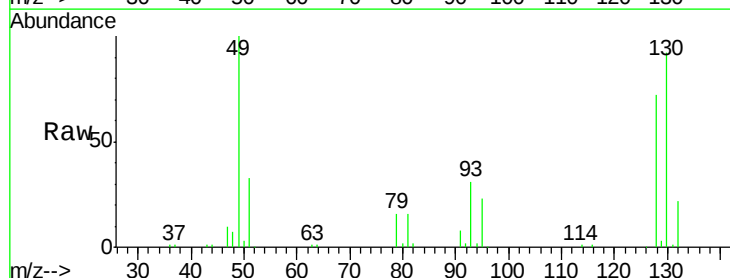
Ion Ratio Lower Upper

128 100

49 138.7 92.5 171.9

130 127.1 90.4 168.0

51 46.4 34.6 52.0

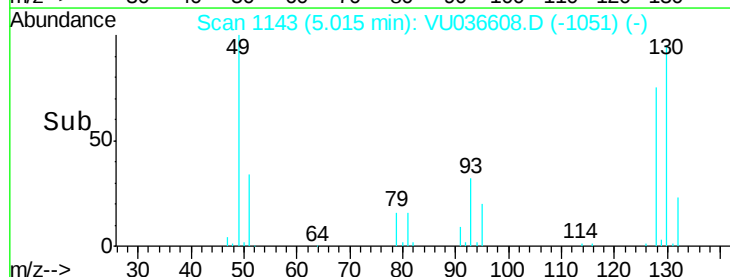
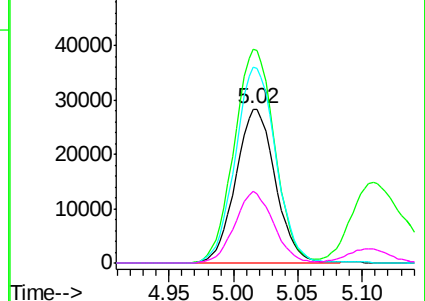


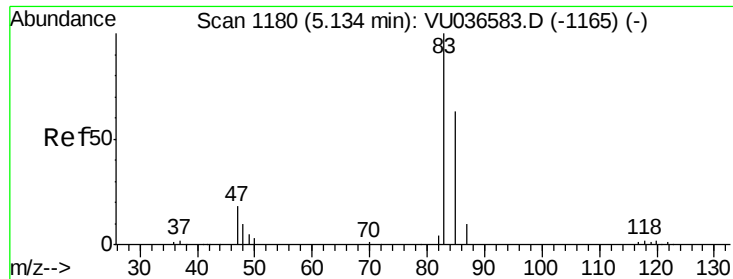
Abundance Ion 128.00 (127.70 to 128.70): VU036608.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036608.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036608.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036608.D (-1051) (-)

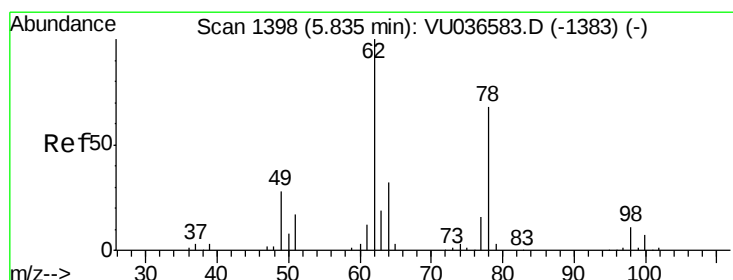
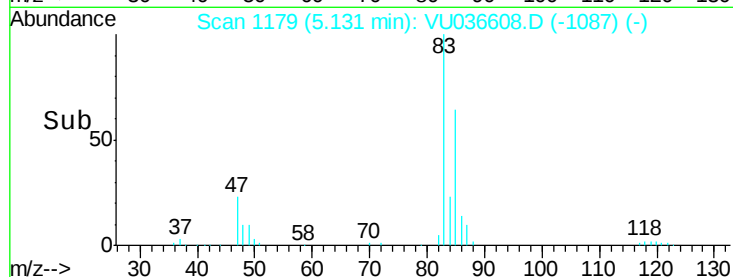
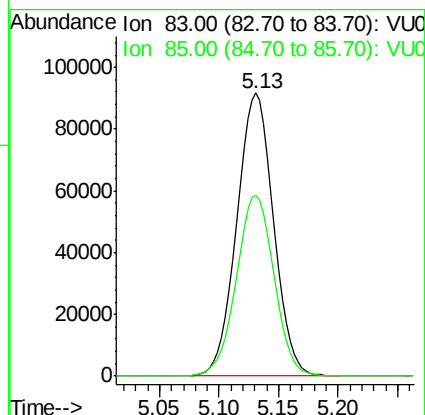
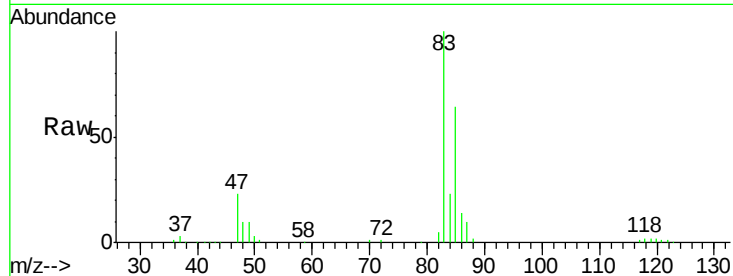




#25
Chloroform
Concen: 49.11 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

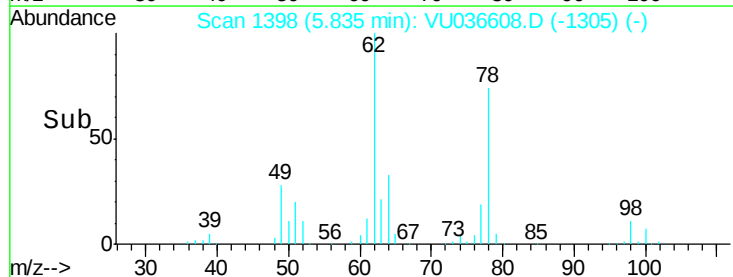
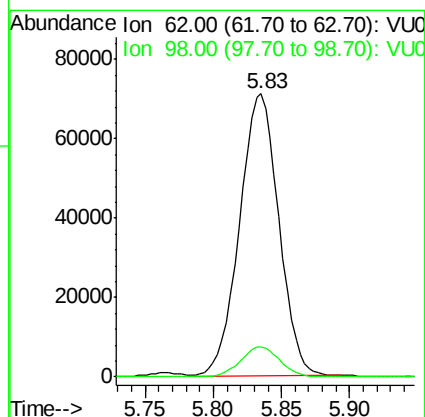
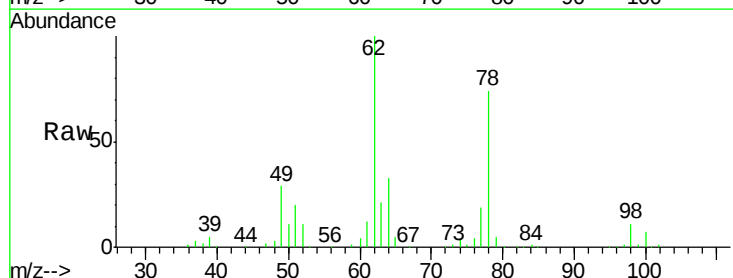
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

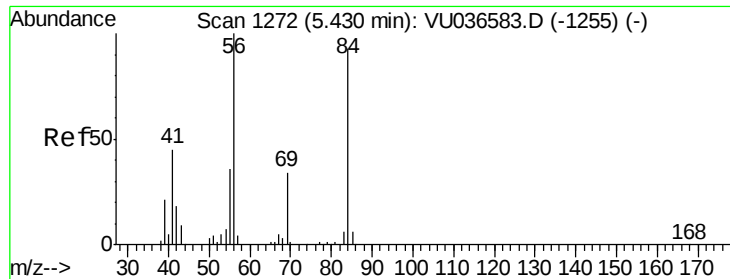
Tgt Ion: 83 Resp: 196437
Ion Ratio Lower Upper
83 100
85 64.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 47.59 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Tgt Ion: 62 Resp: 142447
Ion Ratio Lower Upper
62 100
98 10.7 8.4 12.6

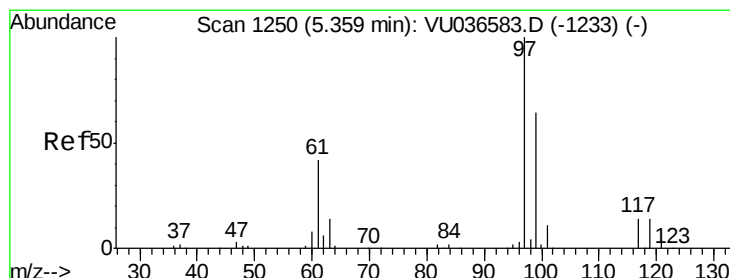
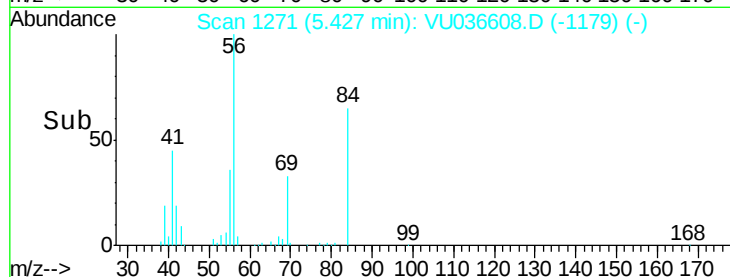
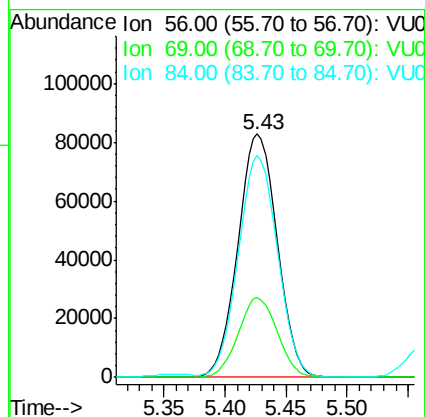
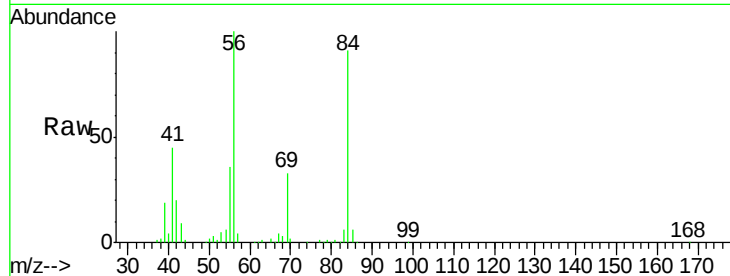




#29
Cyclohexane
Concen: 52.26 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

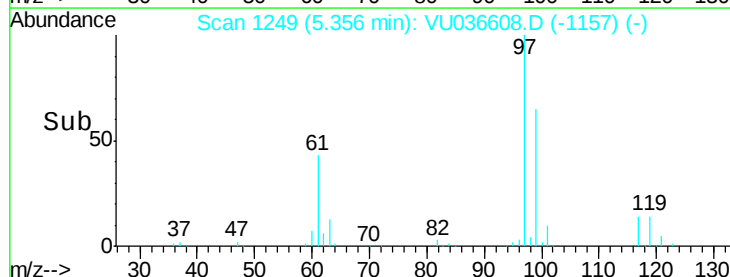
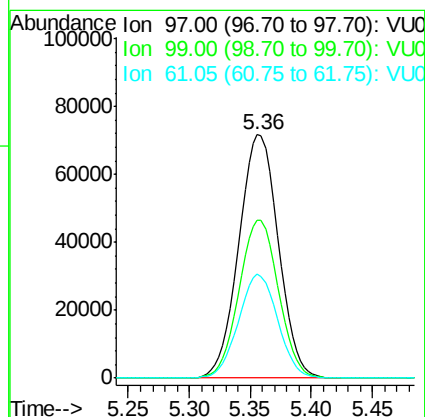
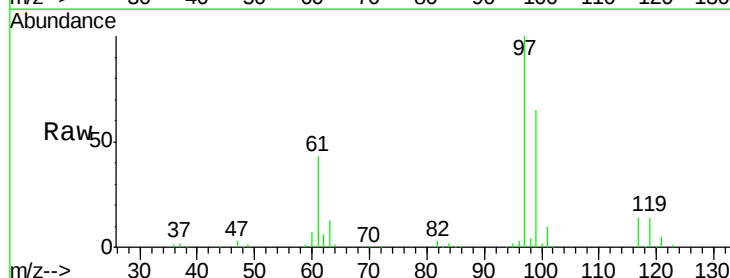
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

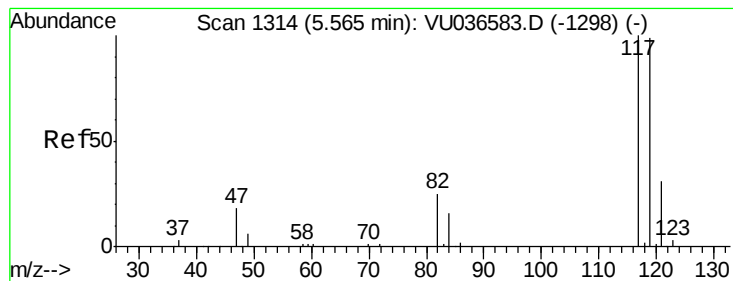
Tgt Ion: 56 Resp: 184494
Ion Ratio Lower Upper
56 100
69 32.5 26.4 39.6
84 91.4 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 49.75 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Tgt Ion: 97 Resp: 161132
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 42.4 34.1 51.1





#31

Carbon tetrachloride

Concen: 50.27 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

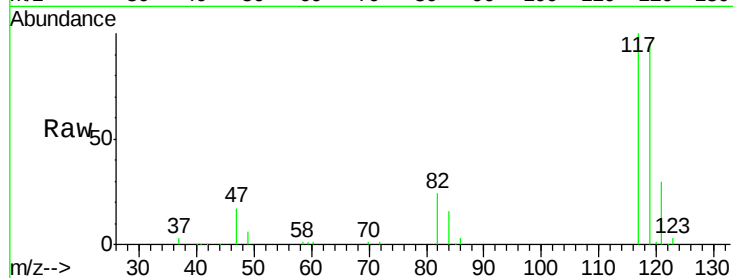
VSTD05049

Tgt Ion:117 Resp: 139888

Ion Ratio Lower Upper

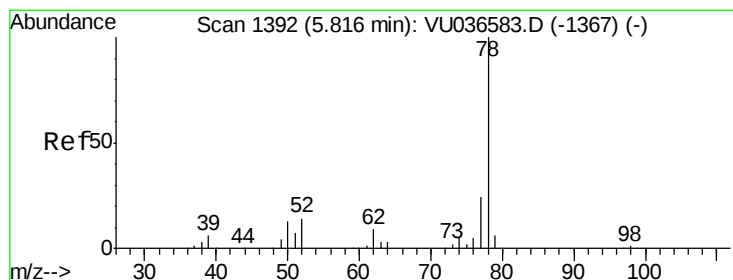
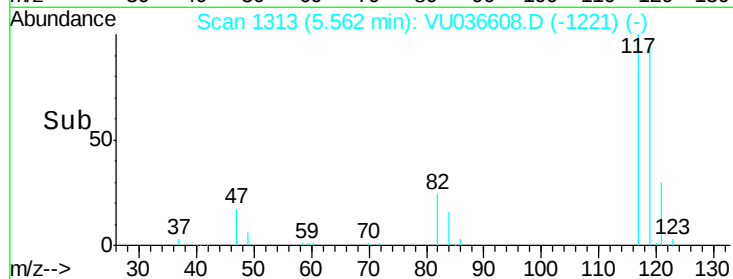
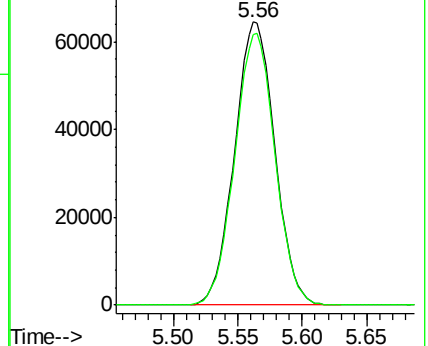
117 100

119 96.1 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: 49.10 ug/L

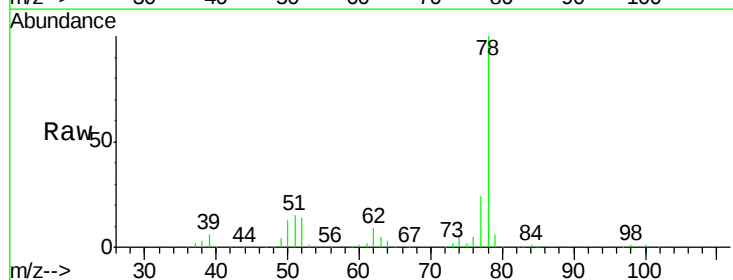
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

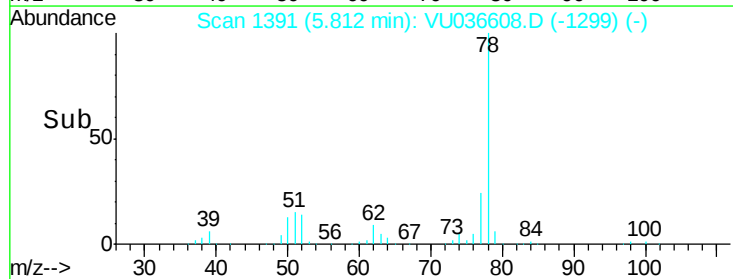
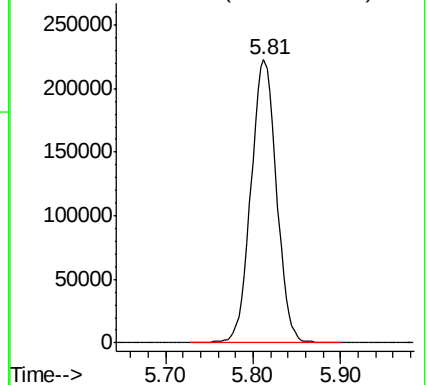
Lab File: VU036608.D

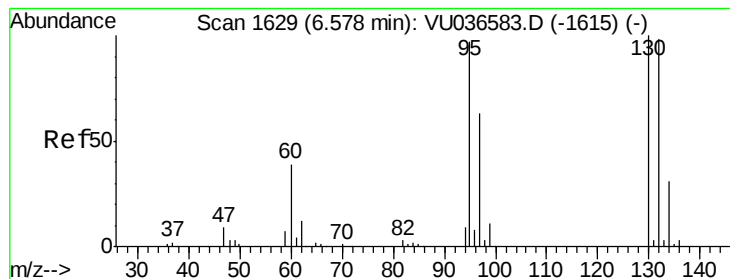
Acq: 30 Jan 2020 09:46

Tgt Ion: 78 Resp: 452891



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.87 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tgt Ion: 95 Resp: 118397

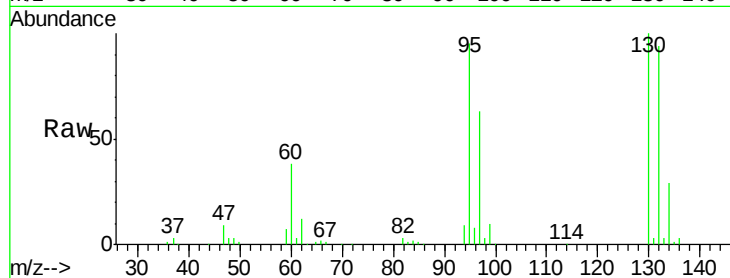
Ion Ratio Lower Upper

95 100

97 65.5 45.5 84.5

132 98.4 70.9 131.7

130 104.8 72.9 135.3

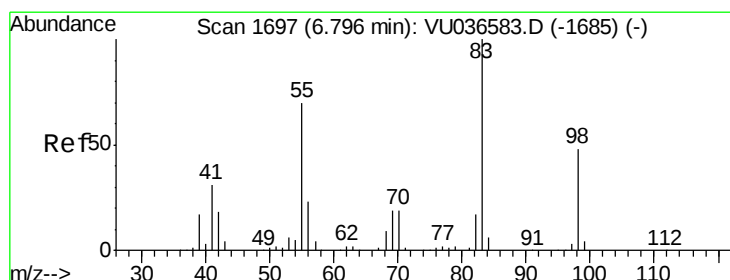
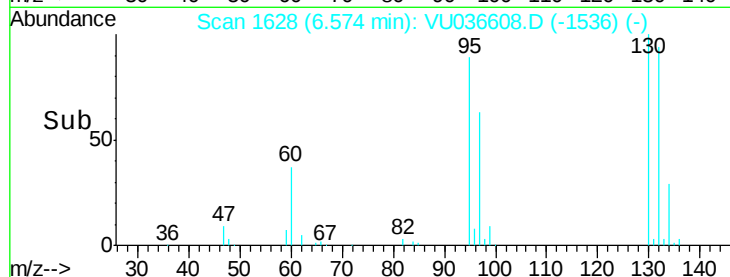
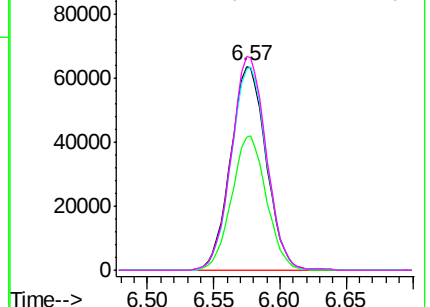


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.42 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

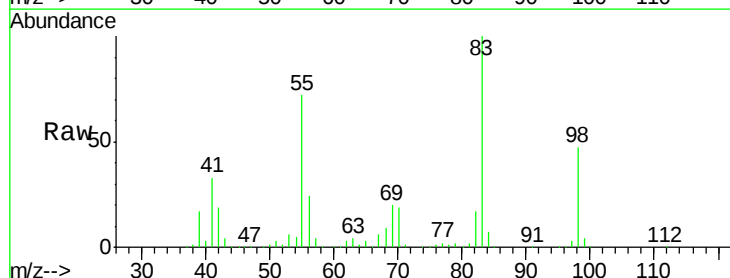
Tgt Ion: 83 Resp: 203623

Ion Ratio Lower Upper

83 100

55 70.8 56.1 84.1

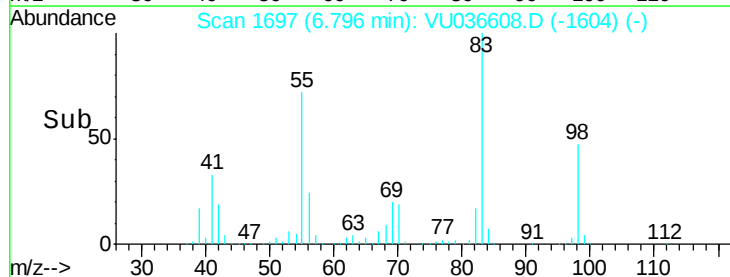
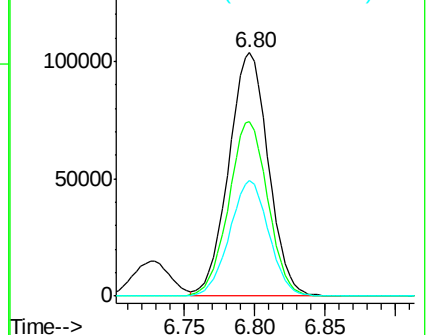
98 46.9 37.5 56.3

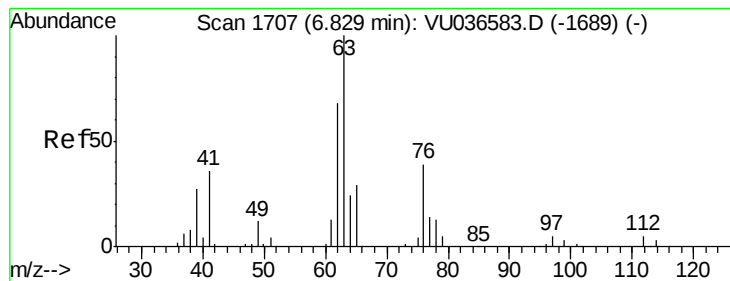


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.05 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

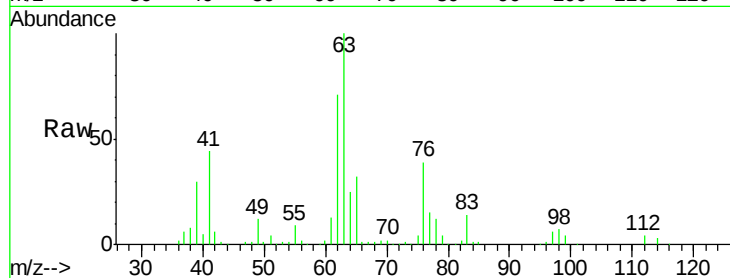
VSTD05049

Tgt Ion: 63 Resp: 114978

Ion Ratio Lower Upper

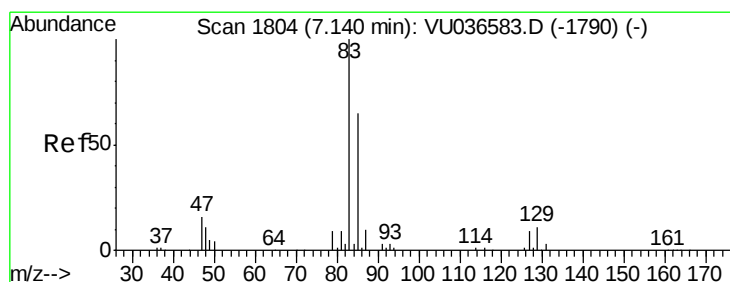
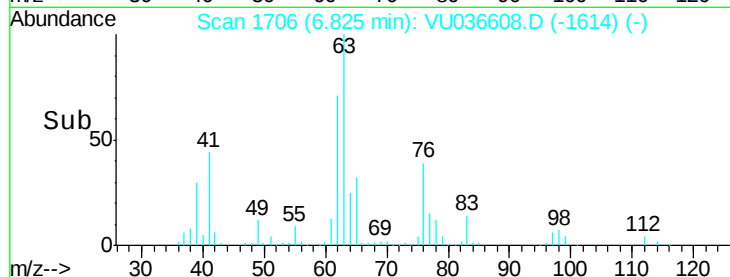
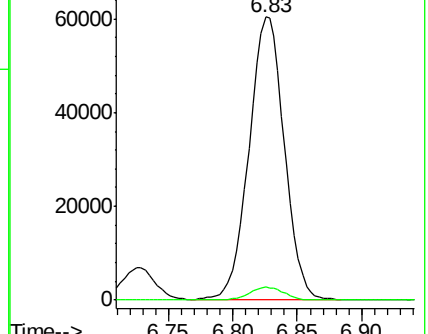
63 100

112 4.4 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU036608.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU036608.D (-1689) (-)



#38

Bromodichloromethane

Concen: 48.81 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

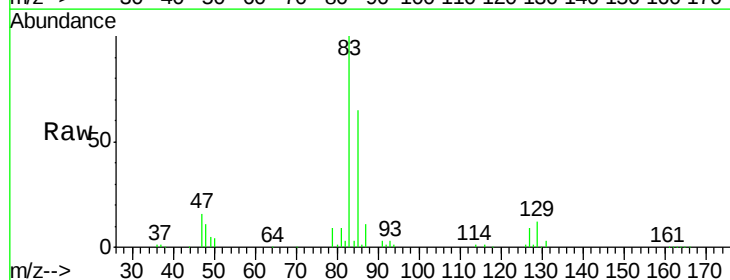
Tgt Ion: 83 Resp: 143769

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

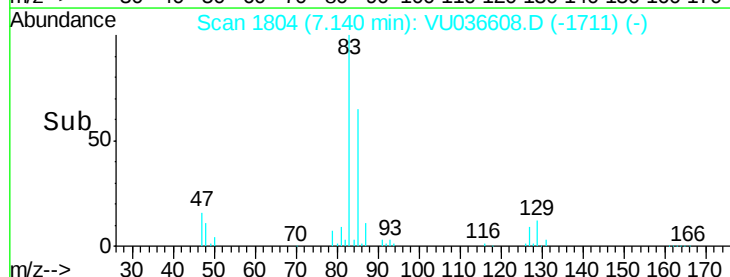
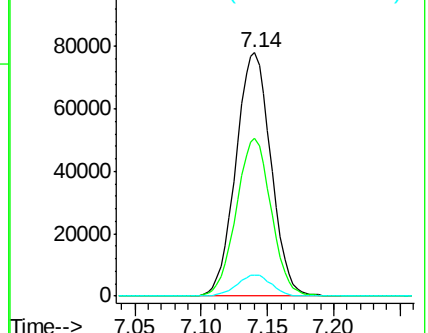
127 8.7 7.2 10.8

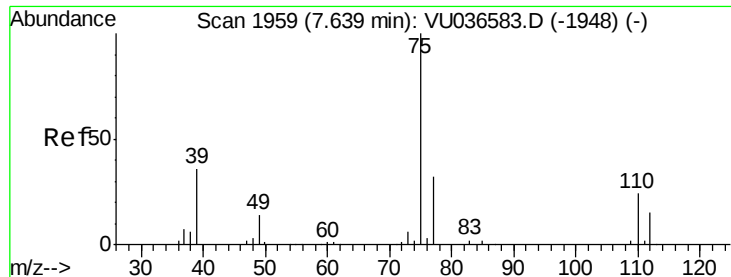


Abundance Ion 83.00 (82.70 to 83.70): VU036608.D (-1790) (-)

Ion 85.00 (84.70 to 85.70): VU036608.D (-1790) (-)

Ion 127.00 (126.70 to 127.70): VU036608.D (-1790) (-)

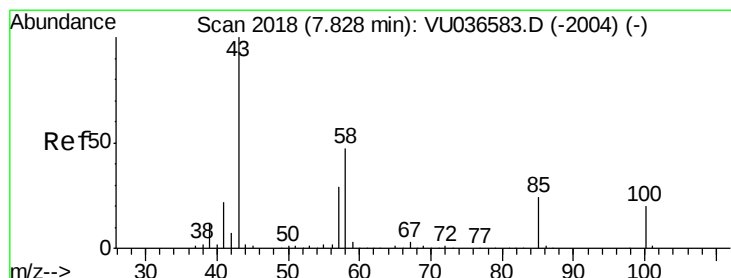
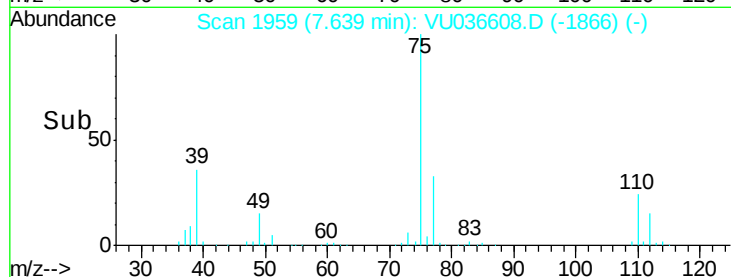
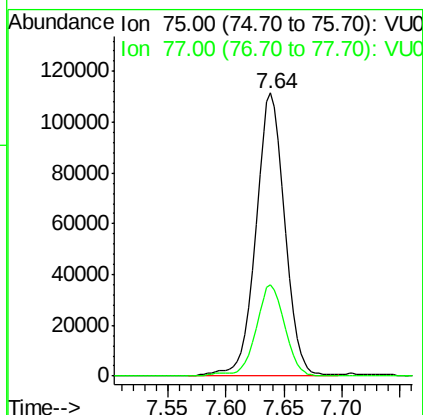
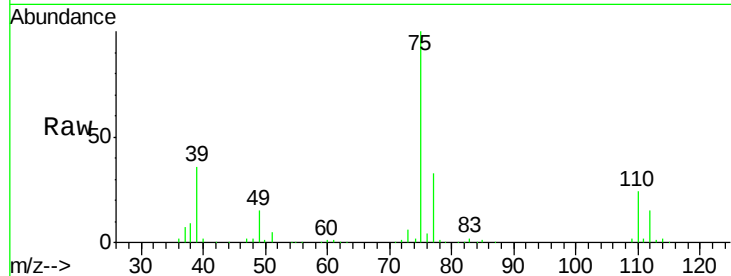




#39
 cis-1,3-Dichloropropene
 Concen: 51.39 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

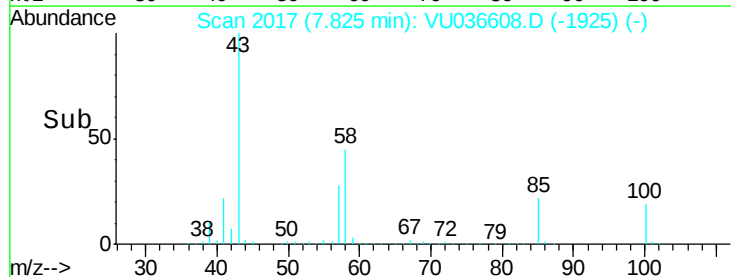
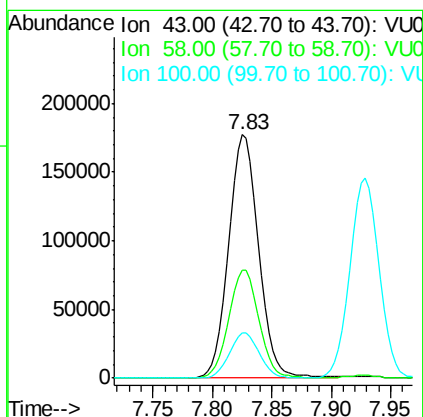
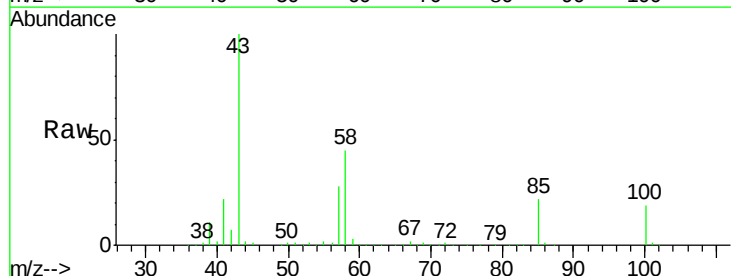
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

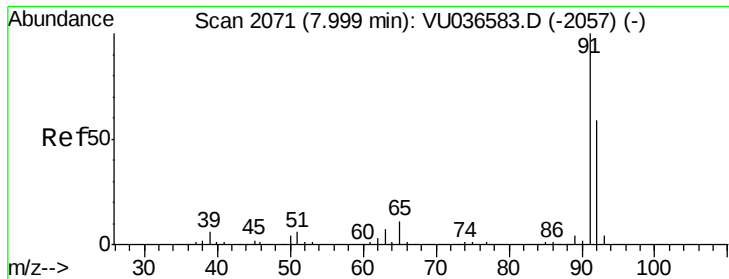
Tgt Ion: 75 Resp: 194085
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 102.95 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Tgt Ion: 43 Resp: 309828
 Ion Ratio Lower Upper
 43 100
 58 44.8 37.0 55.4
 100 18.6 15.8 23.6





#42

Toluene

Concen: 49.59 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

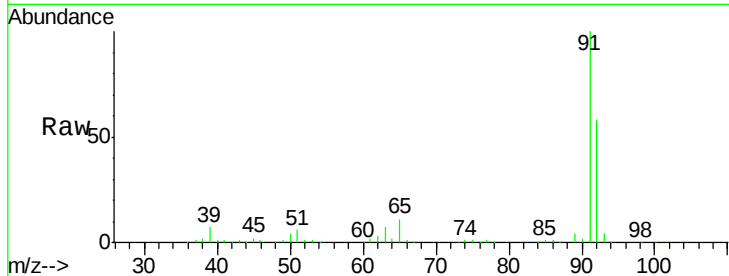
VSTD05049

Tgt Ion: 91 Resp: 497123

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036583.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036583.D (-2057) (-)

8.00

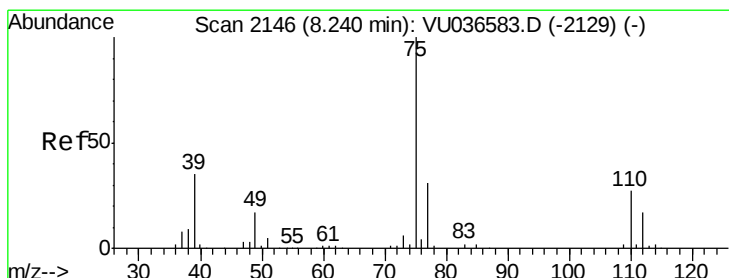
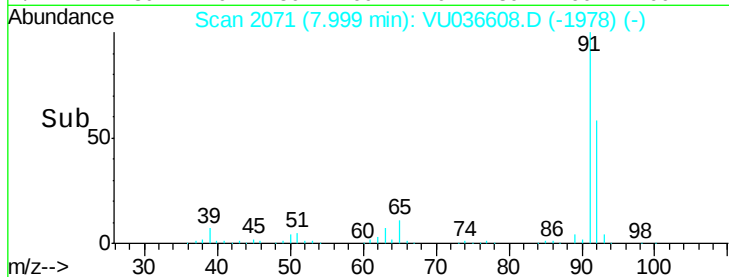
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.04 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036608.D

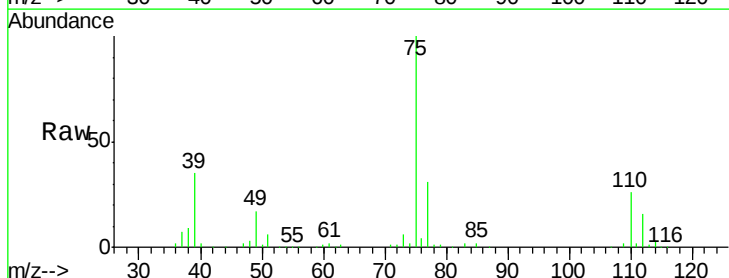
Acq: 30 Jan 2020 09:46

Tgt Ion: 75 Resp: 169164

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU036583.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU036583.D (-2129) (-)

8.24

100000

80000

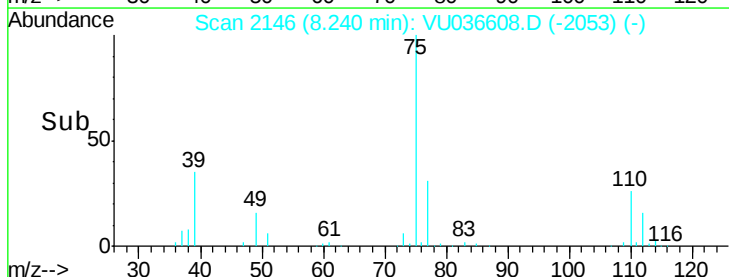
60000

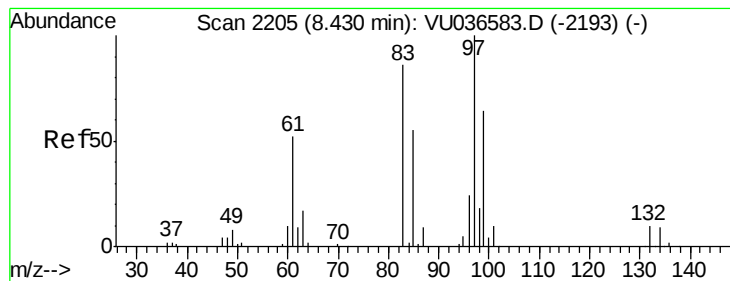
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.44 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tgt Ion: 97 Resp: 111549

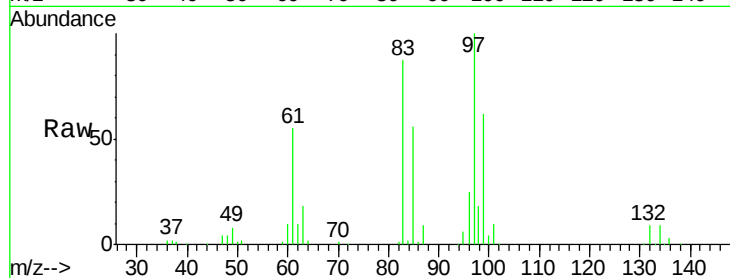
Ion Ratio Lower Upper

97 100

99 62.2 44.1 81.9

83 87.1 61.2 113.6

85 56.2 39.2 72.8

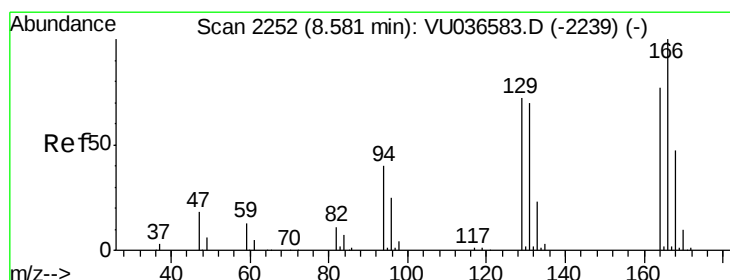
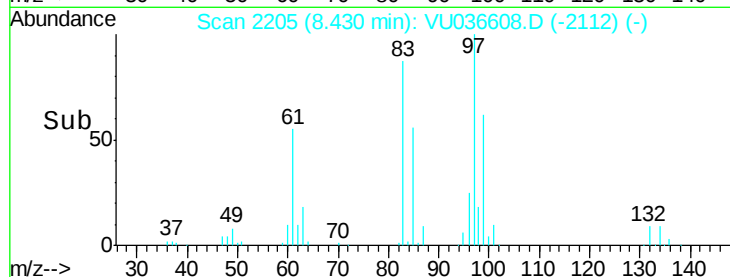
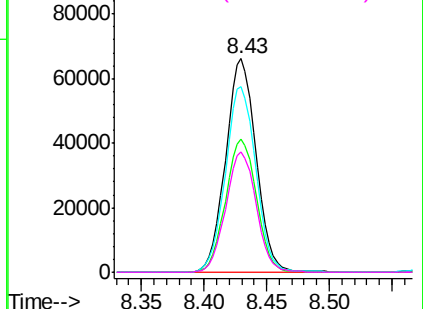


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.35 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Tgt Ion: 164 Resp: 97107

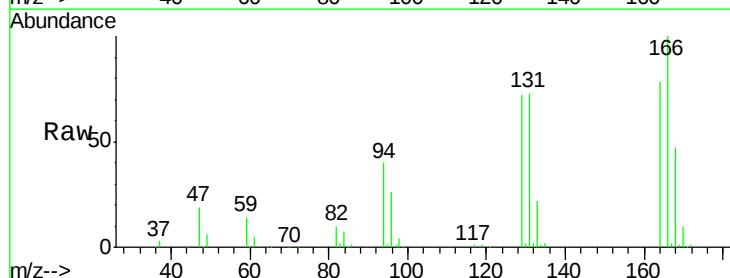
Ion Ratio Lower Upper

164 100

129 92.2 64.2 119.2

131 92.8 61.8 114.8

166 127.7 88.8 165.0

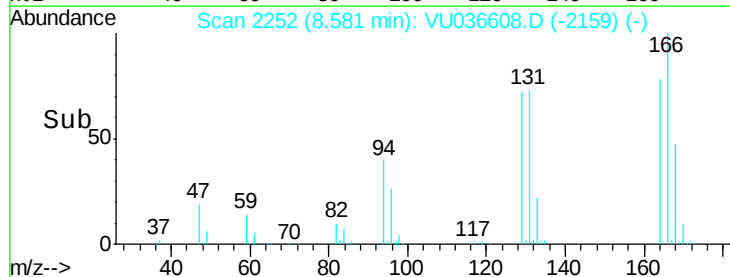
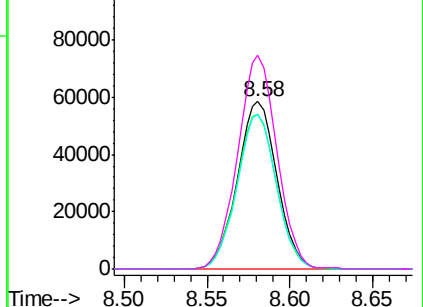


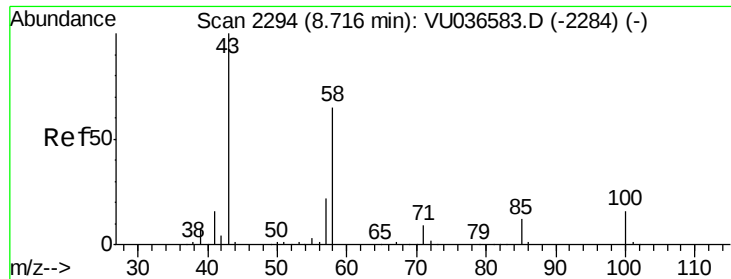
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

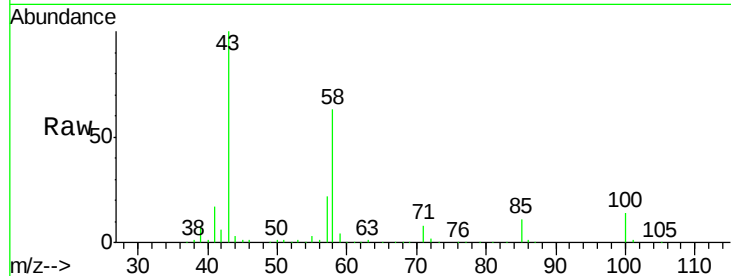




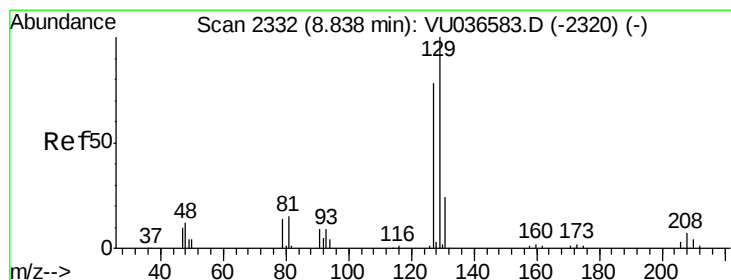
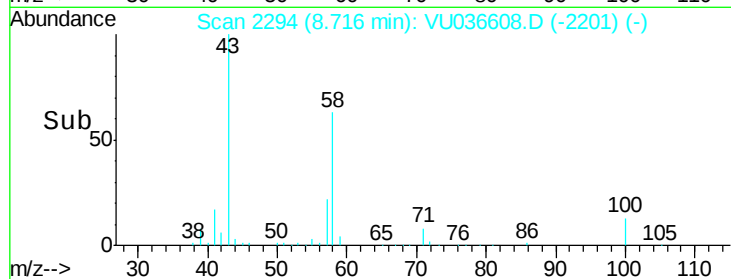
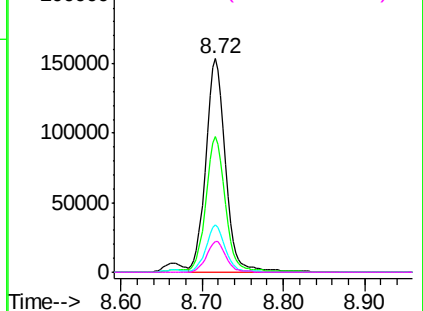
#48
2-Hexanone
Concen: 115.07 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tgt Ion: 43 Resp: 260495
Ion Ratio Lower Upper
43 100
58 62.1 49.4 74.0
57 21.5 17.1 25.7
100 14.2 11.9 17.9

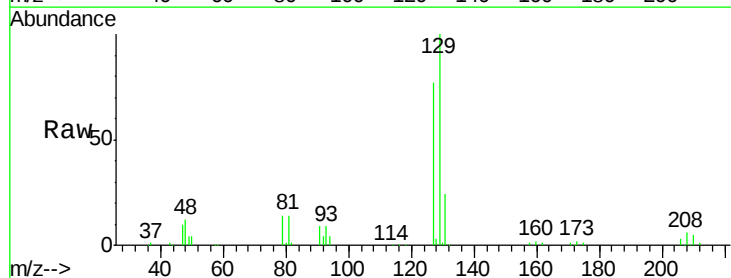


Abundance Ion 43.00 (42.70 to 43.70): VU036608.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VU036608.D (-2294) (-)
Ion 57.00 (56.70 to 57.70): VU036608.D (-2294) (-)
Ion 100.00 (99.70 to 100.70): VU036608.D (-2294) (-)

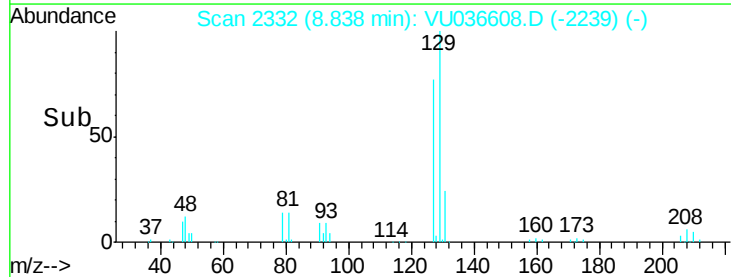
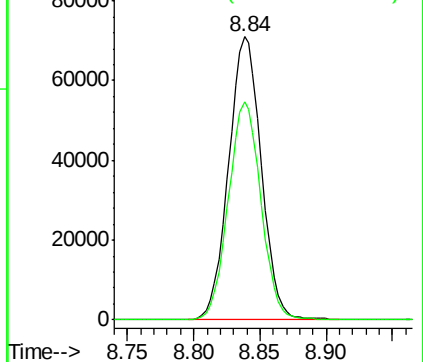


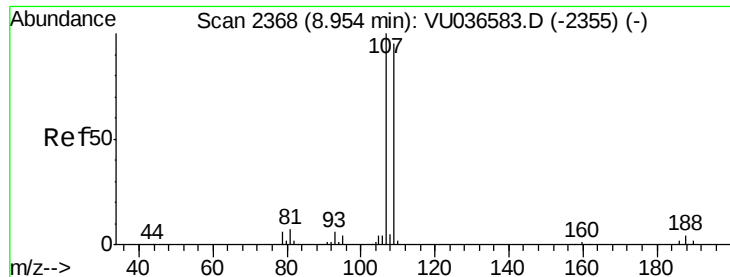
#49
Dibromochloromethane
Concen: 48.87 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Tgt Ion: 129 Resp: 121636
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): VU036608.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036608.D (-2332) (-)

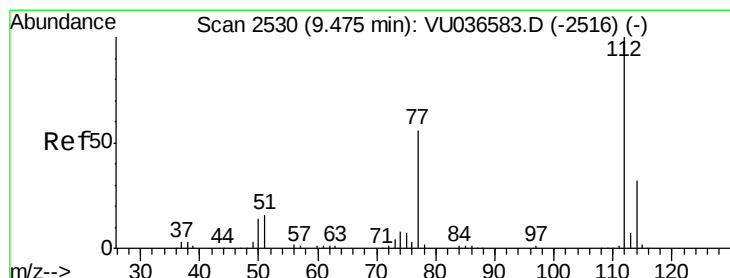
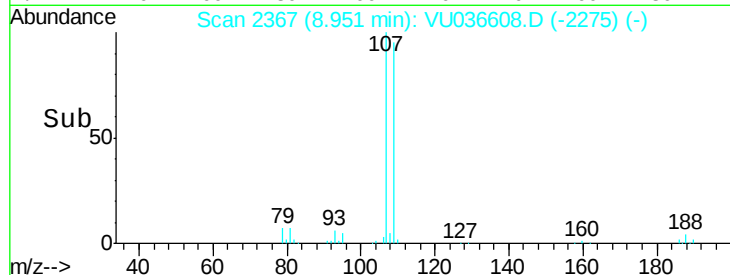
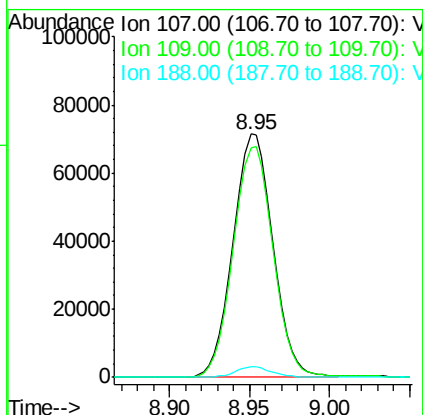
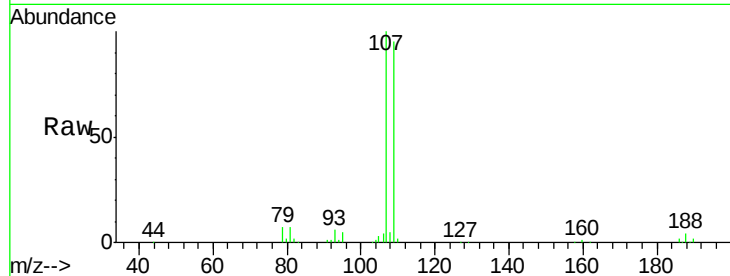




#50
 1,2-Dibromoethane
 Concen: 47.99 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

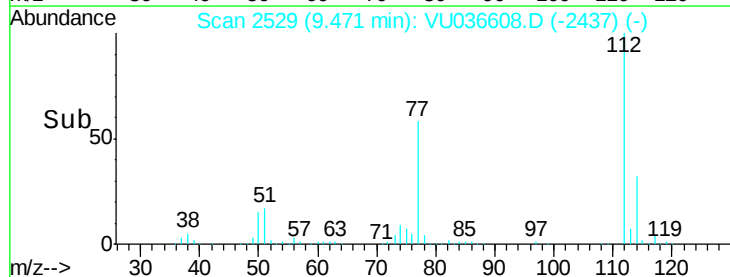
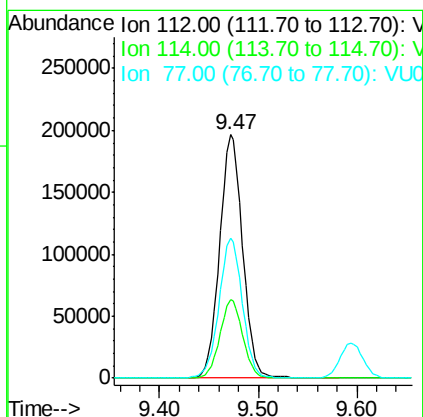
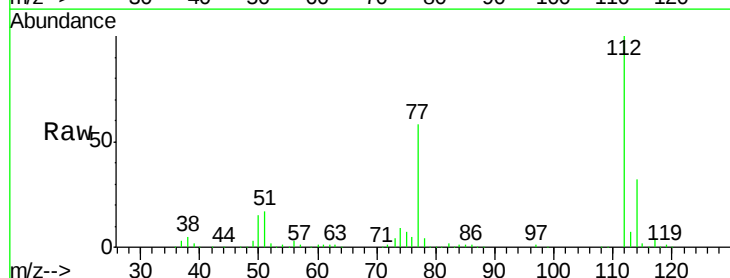
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

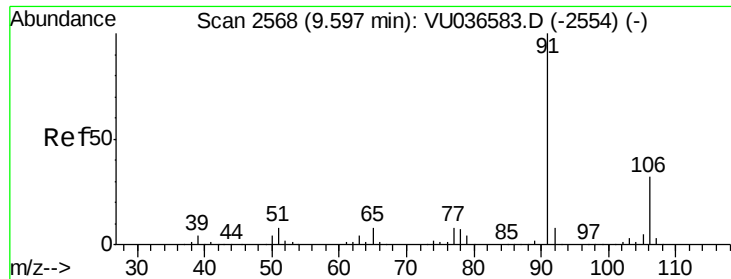
Tgt Ion:107 Resp: 121639
 Ion Ratio Lower Upper
 107 100
 109 94.5 66.3 123.1
 188 4.4 3.1 4.7



#51
 Chlorobenzene
 Concen: 49.28 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Tgt Ion:112 Resp: 322377
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.3 41.5
 77 57.7 45.7 68.5





#52

Ethylbenzene

Concen: 49.82 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

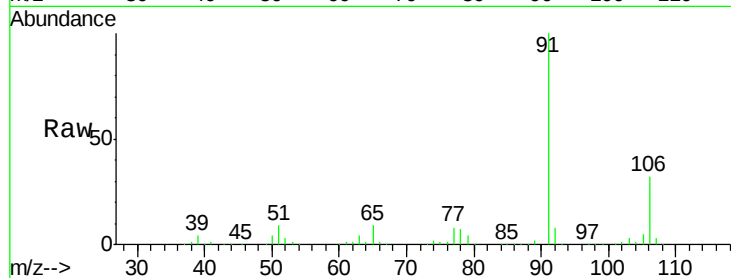
VSTD05049

Tgt Ion: 91 Resp: 547146

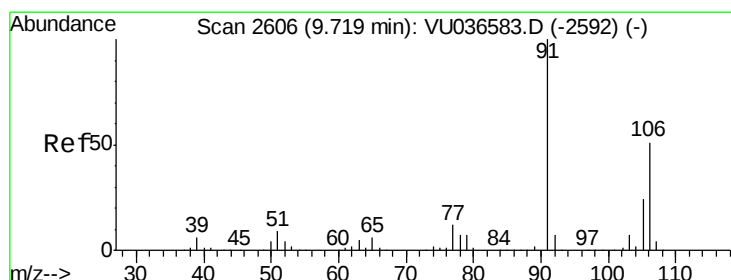
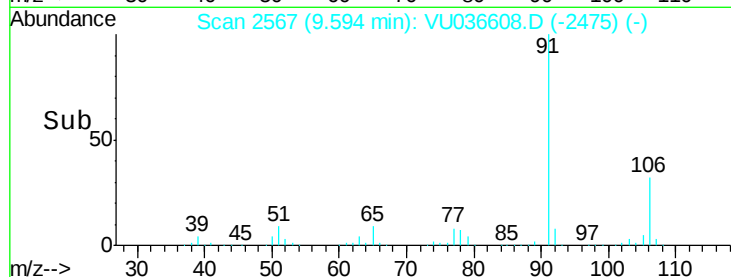
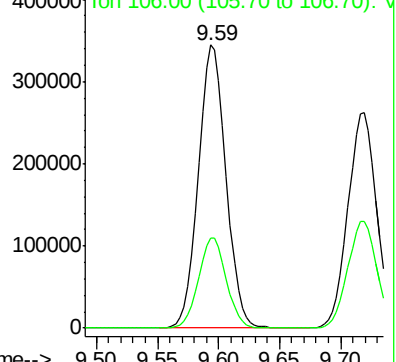
Ion Ratio Lower Upper

91 100

106 31.8 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036583.D (-2554) (-)



#53

m,p-Xylene

Concen: 50.27 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036608.D

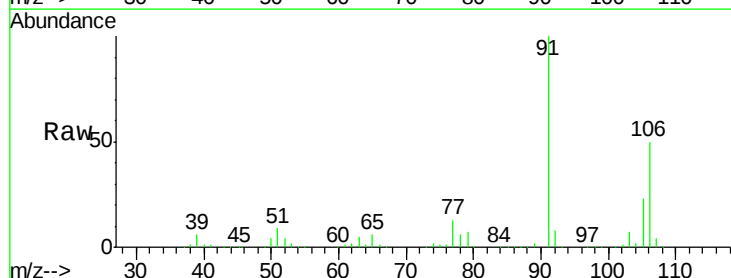
Acq: 30 Jan 2020 09:46

Tgt Ion: 106 Resp: 215319

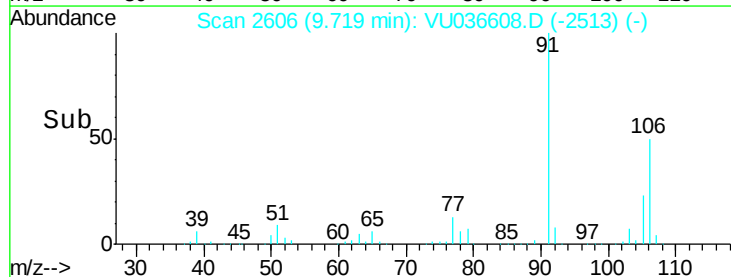
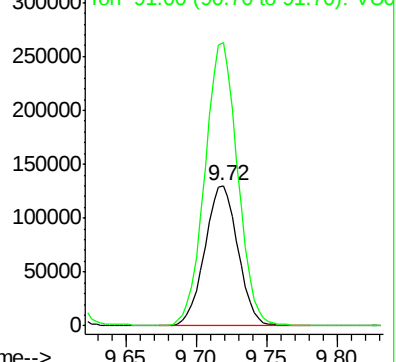
Ion Ratio Lower Upper

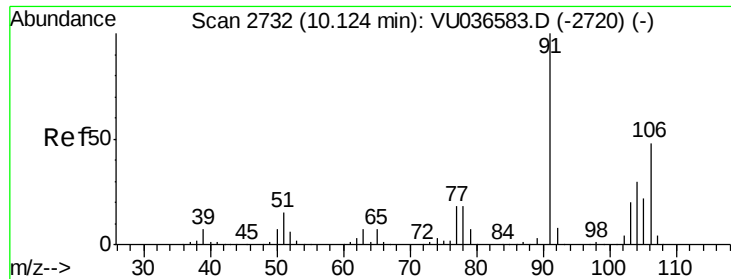
106 100

91 201.3 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036583.D (-2592) (-)

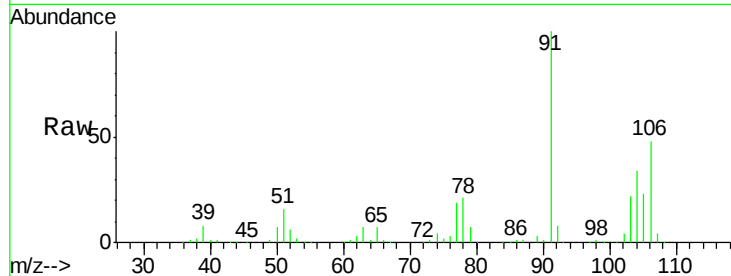




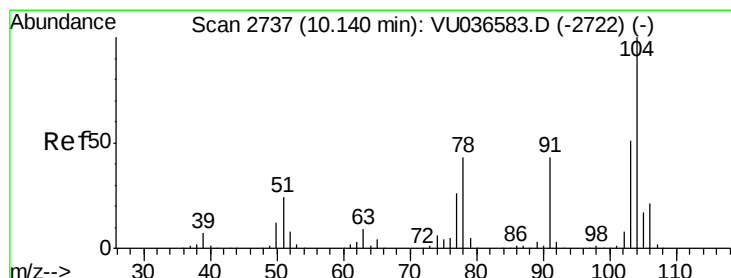
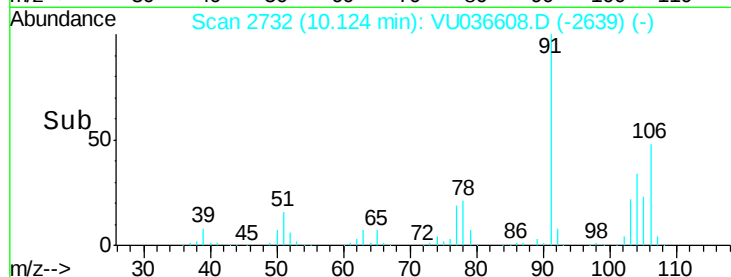
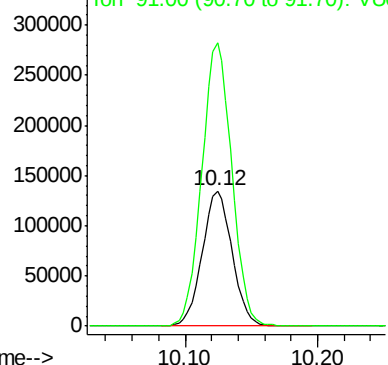
#54
o-xylene
Concen: 49.22 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tgt Ion:106 Resp: 210292
Ion Ratio Lower Upper
106 100
91 209.2 145.9 271.1

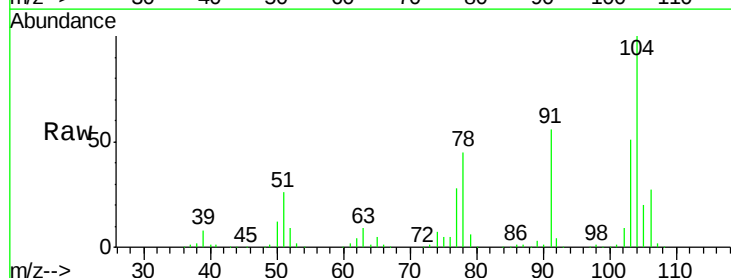


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

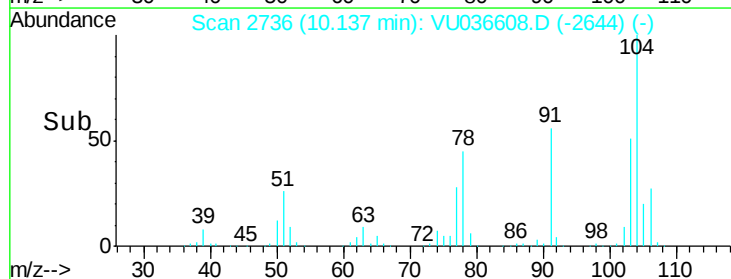
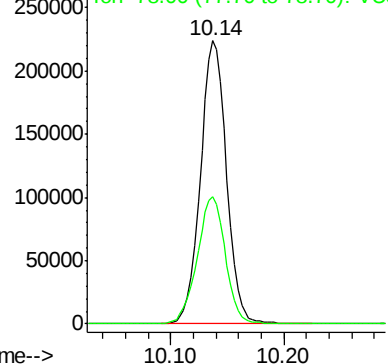


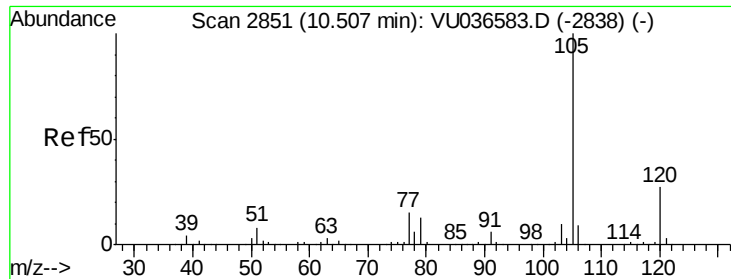
#55
Styrene
Concen: 51.62 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036608.D
Acq: 30 Jan 2020 09:46

Tgt Ion:104 Resp: 357920
Ion Ratio Lower Upper
104 100
78 44.9 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: 50.21 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

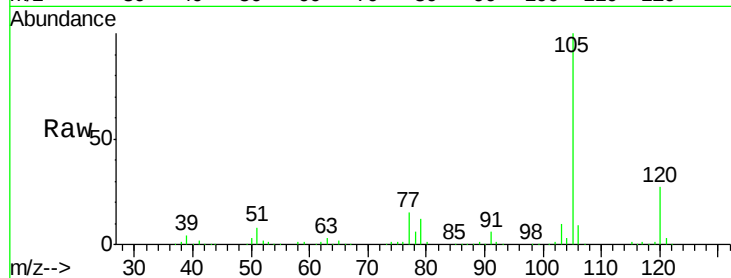
Tgt Ion: 105 Resp: 545482

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

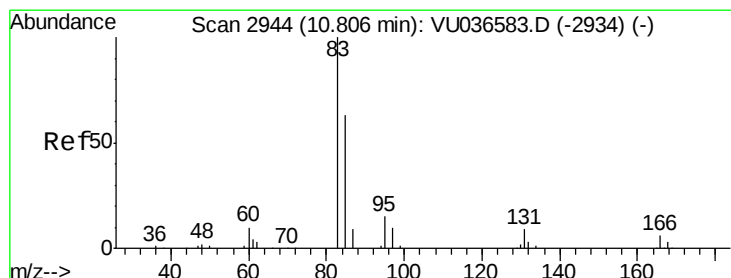
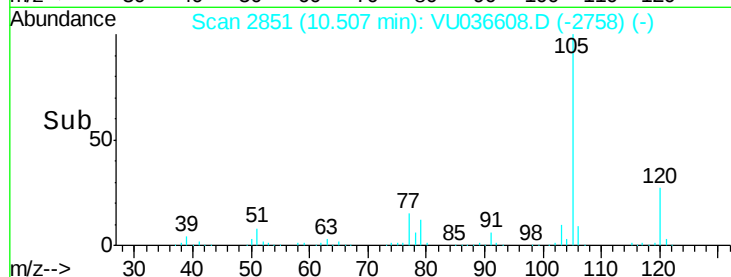
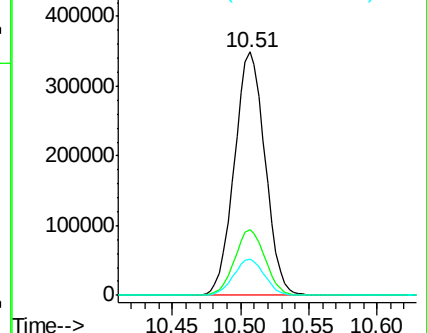
77 15.0 11.8 17.8



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: 47.79 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

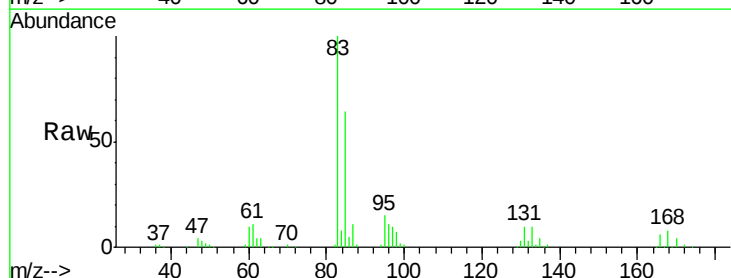
Tgt Ion: 83 Resp: 193723

Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

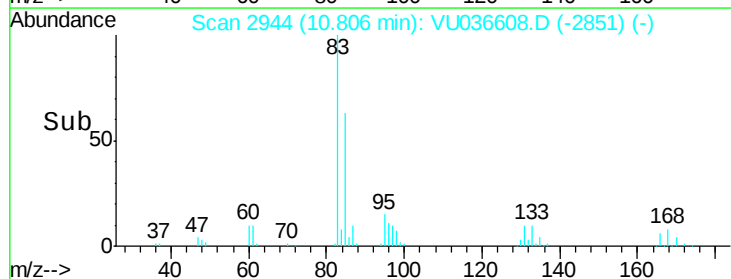
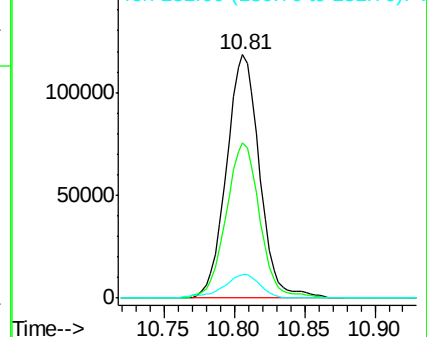
131 9.7 7.8 11.8

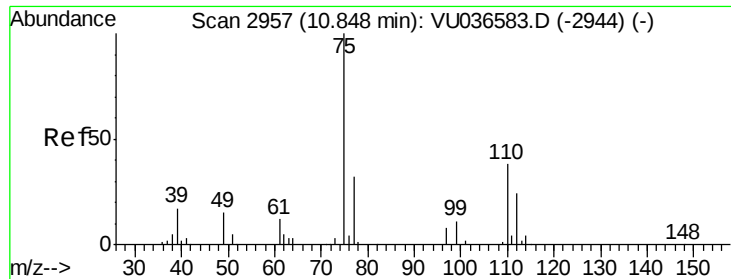


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

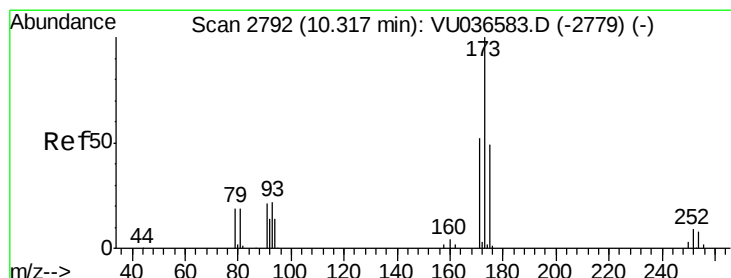
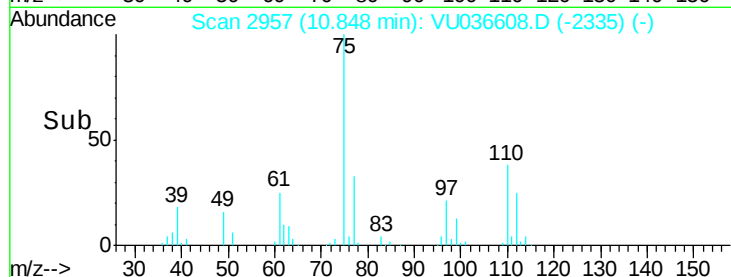
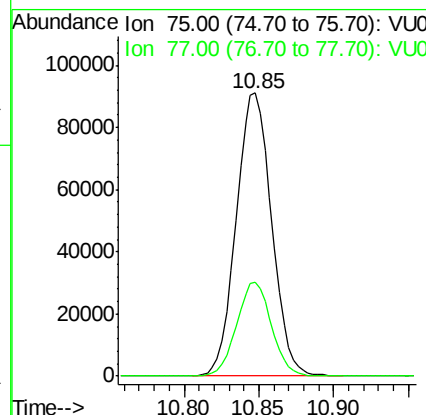
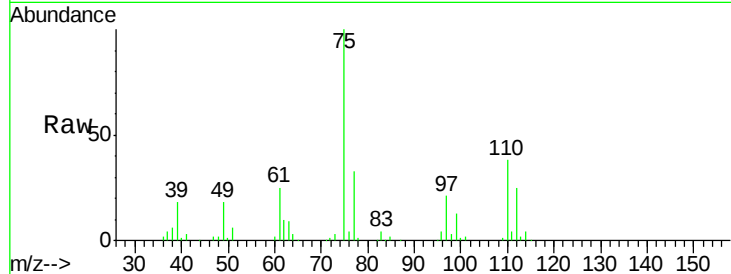




#59
 1,2,3-Trichloropropane
 Concen: 47.38 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

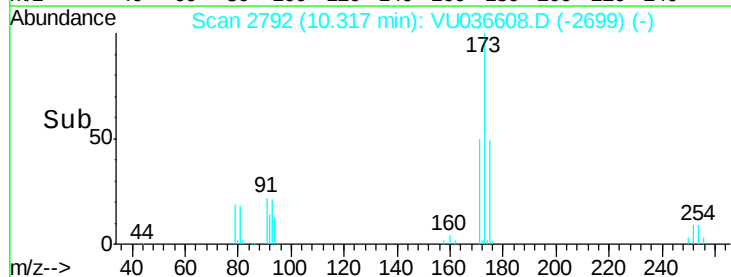
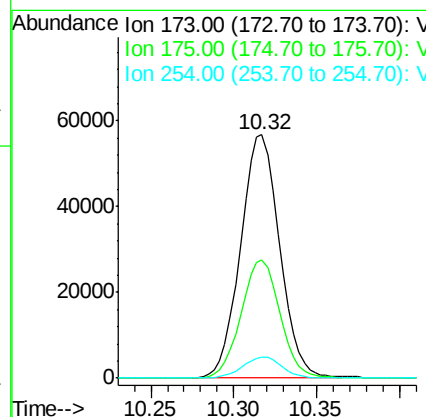
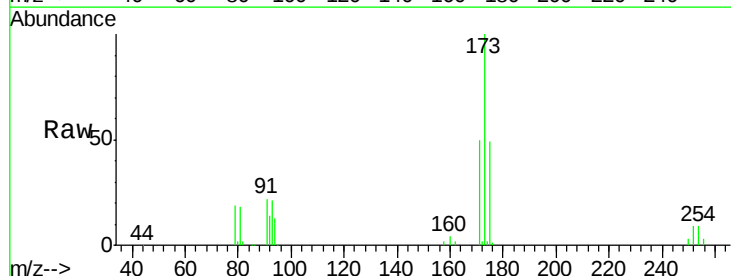
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

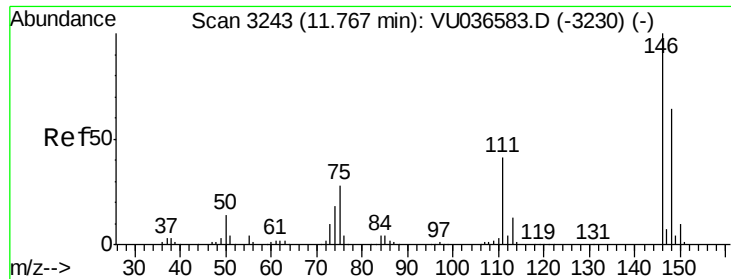
Tgt Ion: 75 Resp: 150139
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.2 39.2



#61
 Bromoform
 Concen: 44.46 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Tgt Ion: 173 Resp: 93548
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 8.6 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 48.42 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

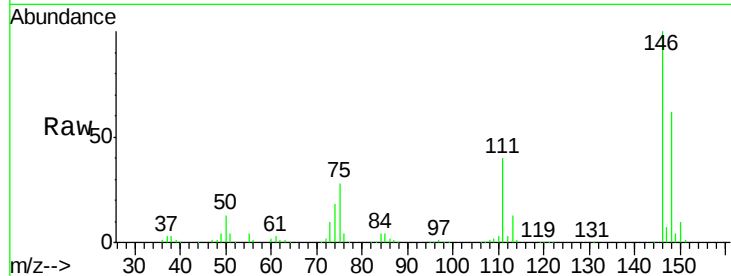
Tgt Ion:146 Resp: 259957

Ion Ratio Lower Upper

146 100

111 40.1 28.6 53.0

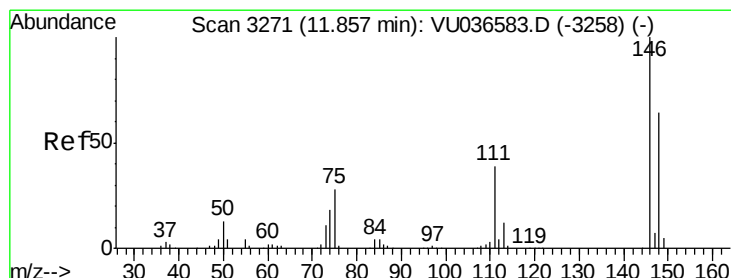
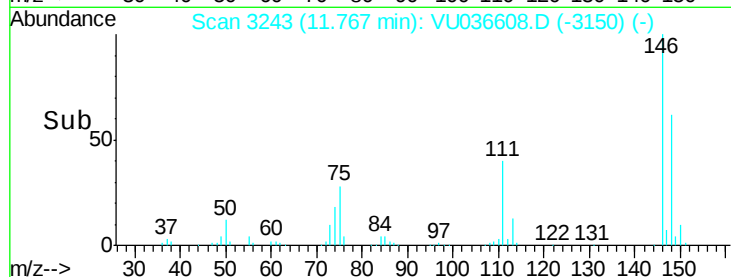
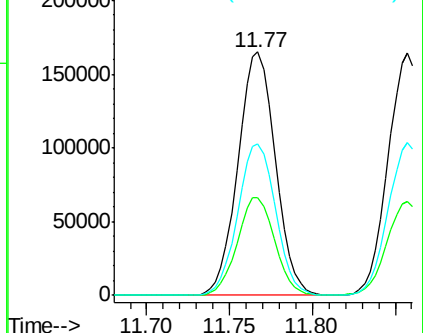
148 62.4 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 48.83 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

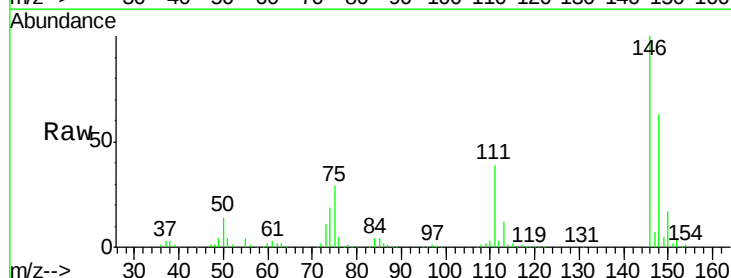
Tgt Ion:146 Resp: 258100

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

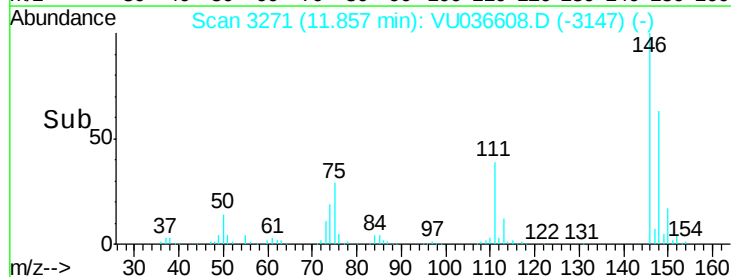
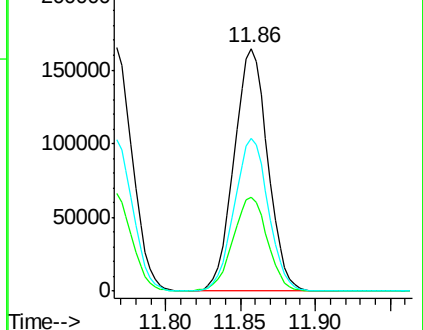
148 63.0 44.8 83.2

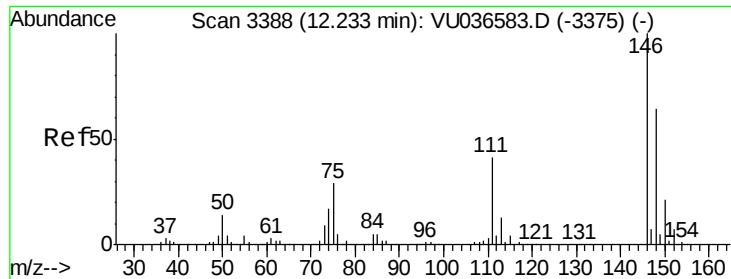


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

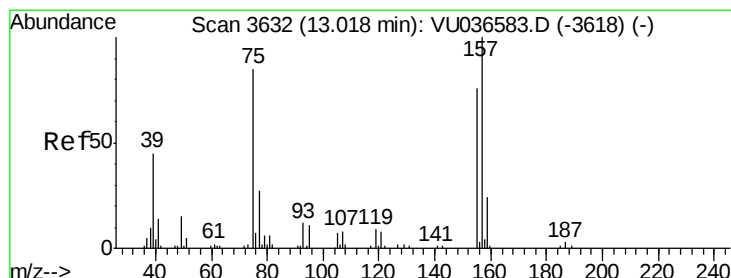
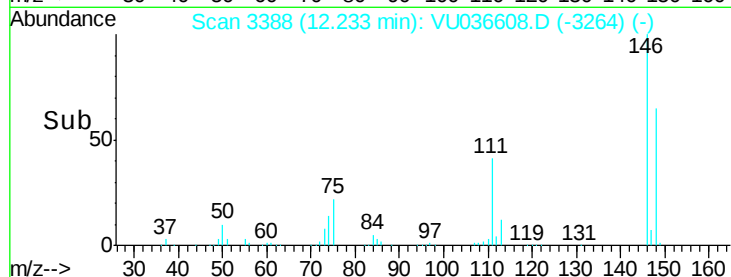
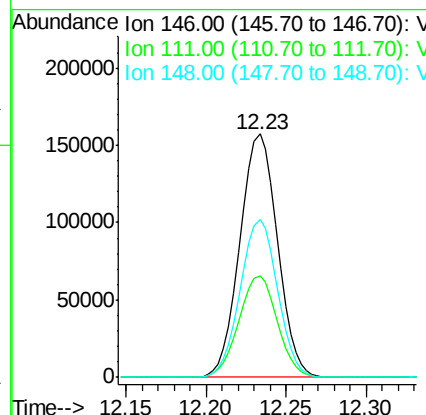
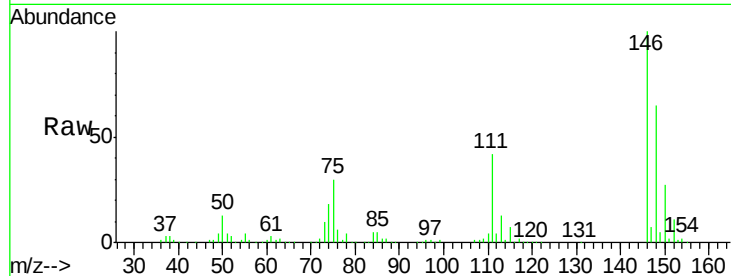




#65
 1,2-Dichlorobenzene
 Concen: 46.28 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

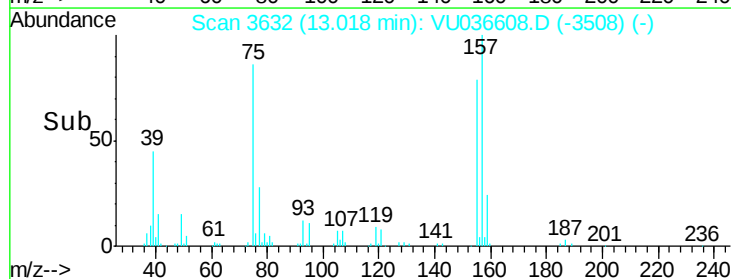
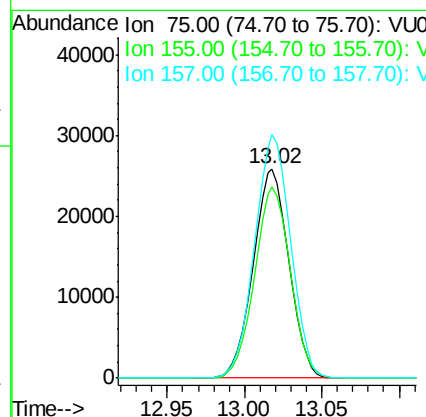
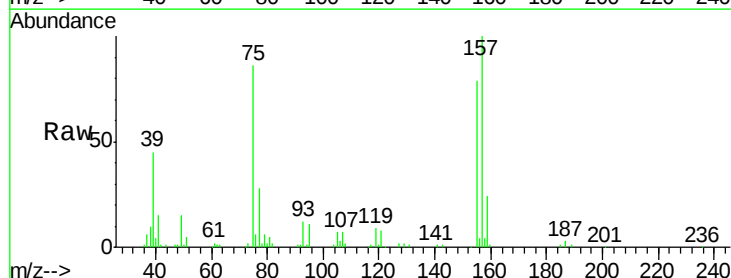
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05049

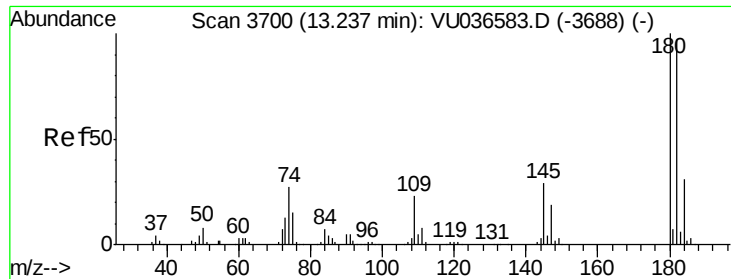
Tgt Ion: 146 Resp: 251852
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.4 50.2
 148 64.7 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.92 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Tgt Ion: 75 Resp: 41632
 Ion Ratio Lower Upper
 75 100
 155 91.2 73.4 110.2
 157 116.1 96.8 145.2

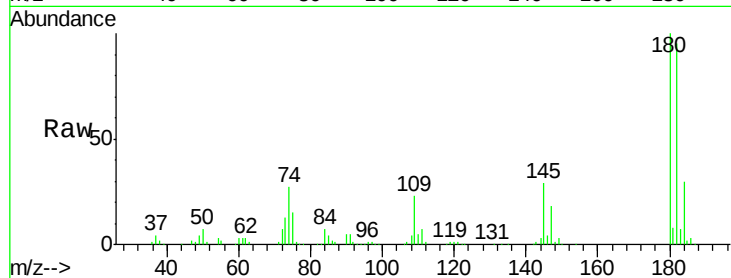




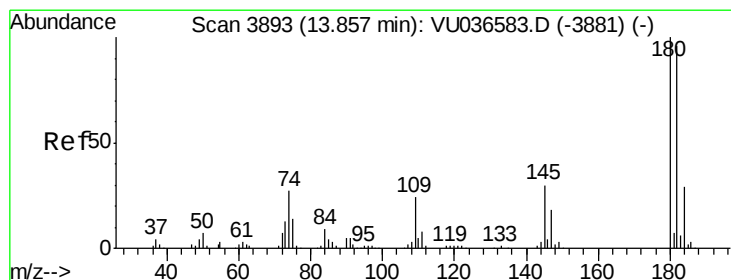
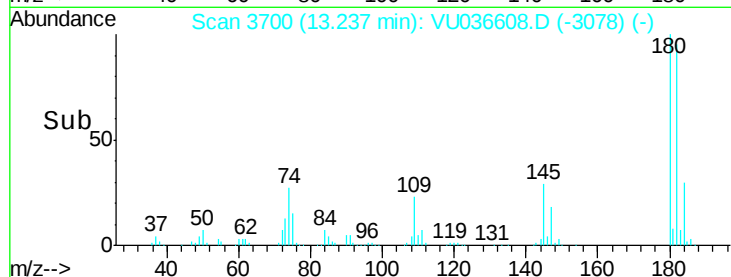
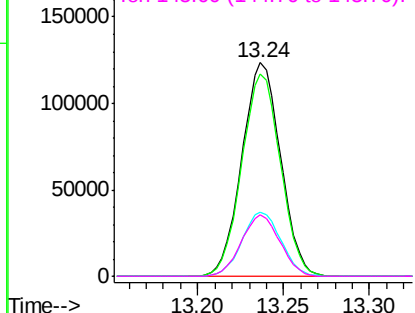
#67
 1,3,5-Trichlorobenzene
 Concen: 52.24 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion:180 Resp: 192627
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 115.0
 184 30.3 24.2 36.4
 145 28.7 23.3 34.9

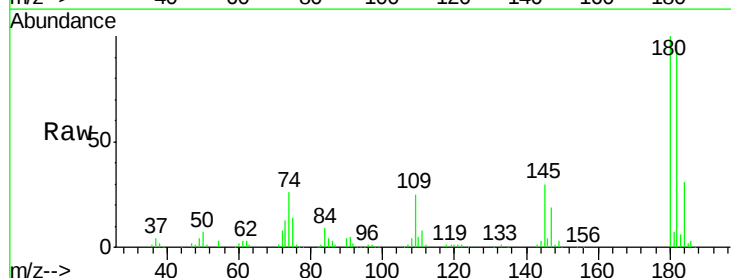


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

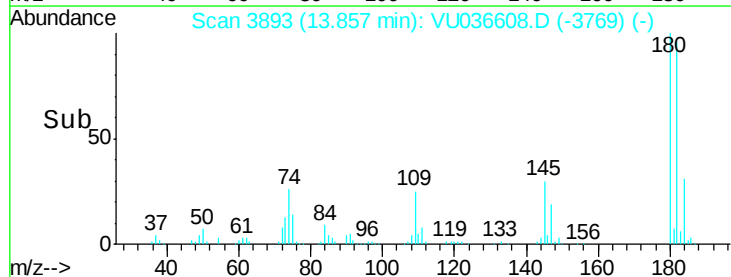
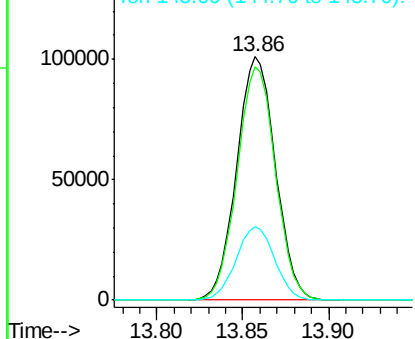


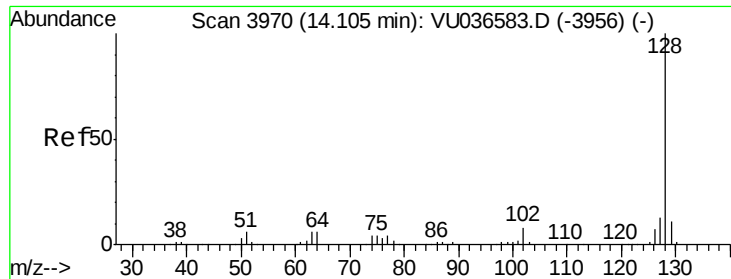
#68
 1,2,4-trichlorobenzene
 Concen: 60.08 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036608.D
 Acq: 30 Jan 2020 09:46

Tgt Ion:180 Resp: 157878
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.9 112.3
 145 30.0 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: 64.57 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

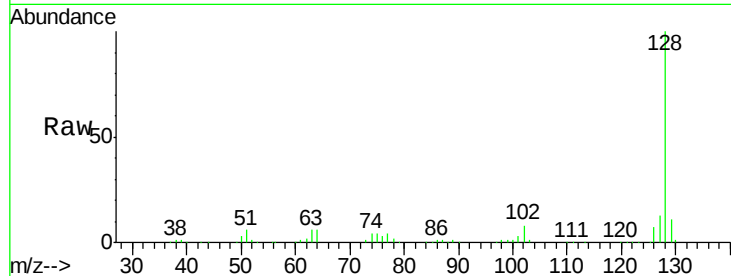
Tgt Ion:128 Resp: 491003

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

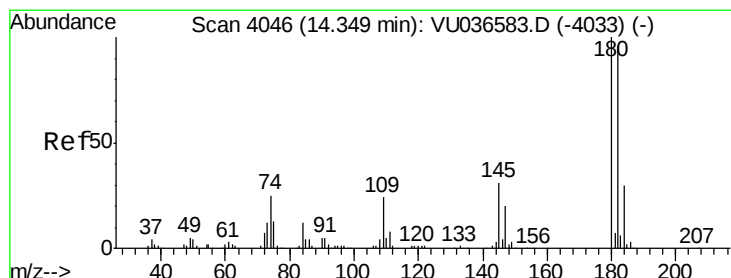
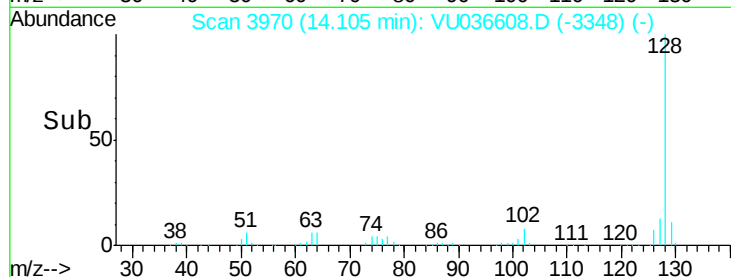
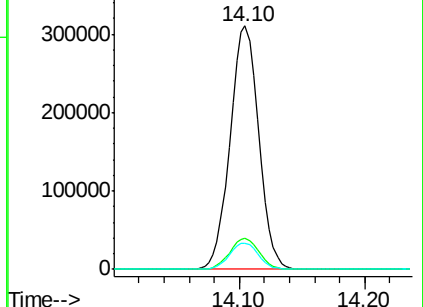
129 10.9 8.6 12.8



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: 56.56 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036608.D

Acq: 30 Jan 2020 09:46

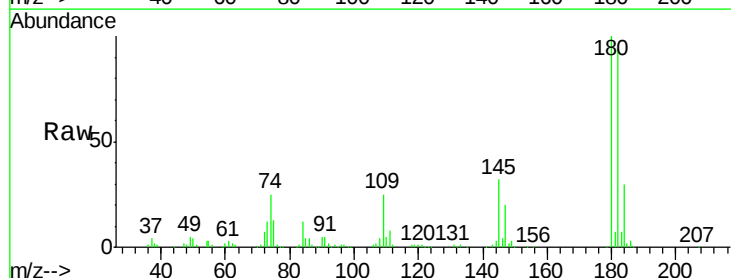
Tgt Ion:180 Resp: 153164

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 31.7 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

