

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060320\
 Data File : VU038508.D
 Acq On : 03 Jun 2020 10:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Jun 03 18:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 30 07:49:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	609110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	589572	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	310290	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	152757	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.90%
7) Chloroethane-d5	1.93	69	127040	43.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.59	63	344118	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
21) 2-Butanone-d5	4.67	46	355083	97.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.10	84	361408	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.74	65	228312	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
32) Benzene-d6	5.76	84	690334	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
36) 1,2-Dichloropropane-d6	6.72	67	215136	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.60%
41) Toluene-d8	7.93	98	628412	46.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.82%
43) trans-1,3-Dichloropropene-	8.20	79	109935	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.00%
47) 2-Hexanone-d5	8.66	63	247417	98.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	326191	46.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.82%
64) 1,2-Dichlorobenzene-d4	12.21	152	259350	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	221367	48.28	ug/L	100
3) Chloromethane	1.53	50	202819	48.00	ug/L	99
5) Vinyl chloride	1.62	62	219633	47.05	ug/L	99
6) Bromomethane	1.88	94	122766	64.28	ug/L	97
8) Chloroethane	1.95	64	127211	44.60	ug/L	99
9) Trichlorofluoromethane	2.16	101	321283	51.35	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	192165	51.37	ug/L	99
12) 1,1-Dichloroethene	2.61	96	180675	48.92	ug/L	93
13) Acetone	2.67	43	379303	125.65	ug/L	99
14) Carbon disulfide	2.82	76	566319	47.02	ug/L	100
15) Methyl Acetate	2.98	43	258730	47.81	ug/L	98
16) Methylene chloride	3.08	84	206037	48.55	ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	195207	49.21	ug/L	96
18) Methyl tert-butyl Ether	3.40	73	619598	48.71	ug/L	100
19) 1,1-Dichloroethane	3.91	63	362963	48.32	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	211843	48.75	ug/L	95
22) 2-Butanone	4.75	43	451722	106.73	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060320\
 Data File : VU038508.D
 Acq On : 03 Jun 2020 10:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Jun 03 18:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 30 07:49:50 2020
 Response via : Initial Calibration

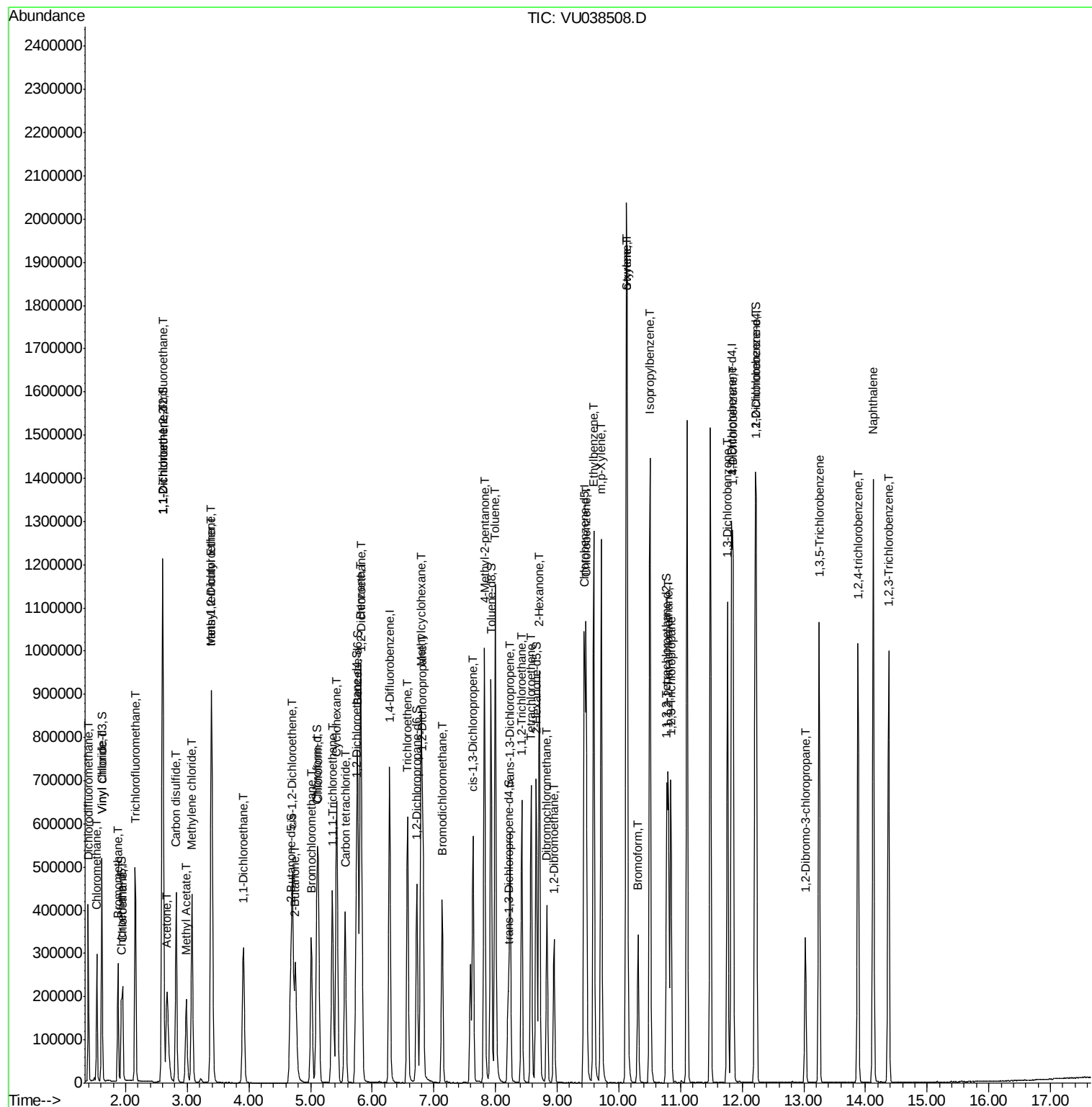
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	106209	49.37	ug/L	98
25) Chloroform	5.13	83	368196	47.66	ug/L	100
27) 1,2-Dichloroethane	5.83	62	299715	47.91	ug/L	100
29) Cyclohexane	5.42	56	331890	49.10	ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	327969	51.16	ug/L	99
31) Carbon tetrachloride	5.56	117	269880	50.51	ug/L	98
33) Benzene	5.81	78	813668	49.14	ug/L	100
34) Trichloroethene	6.57	95	209772	49.51	ug/L	99
35) Methylcyclohexane	6.79	83	332040	49.92	ug/L	99
37) 1,2-Dichloropropane	6.82	63	209027	48.67	ug/L	100
38) Bromodichloromethane	7.13	83	274851	49.94	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	330412	48.35	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	663979	97.22	ug/L	99
42) Toluene	8.00	91	864189	49.71	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	317341	49.61	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	201239	49.38	ug/L	98
46) Tetrachloroethene	8.58	164	156245	50.45	ug/L	98
48) 2-Hexanone	8.71	43	582447	101.01	ug/L	99
49) Dibromochloromethane	8.83	129	209487	50.77	ug/L	98
50) 1,2-Dibromoethane	8.95	107	215697	49.24	ug/L	97
51) Chlorobenzene	9.47	112	545460	48.82	ug/L	100
52) Ethylbenzene	9.59	91	971149	49.86	ug/L	98
53) m,p-Xylene	9.72	106	379523	50.95	ug/L	99
54) o-xylene	10.12	106	366766	50.64	ug/L	98
55) Styrene	10.13	104	627548	50.42	ug/L	99
56) Isopropylbenzene	10.50	105	954470	50.43	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	339415	48.67	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	292173	48.65	ug/L	99
61) Bromoform	10.31	173	153146	49.13	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	439245	48.42	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	444474	48.21	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	432971	48.13	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	87739	47.64	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	326386	50.56	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	308548	49.83	ug/L	97
69) Naphthalene	14.13	128	1094995	49.39	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	306214	49.51	ug/L	99

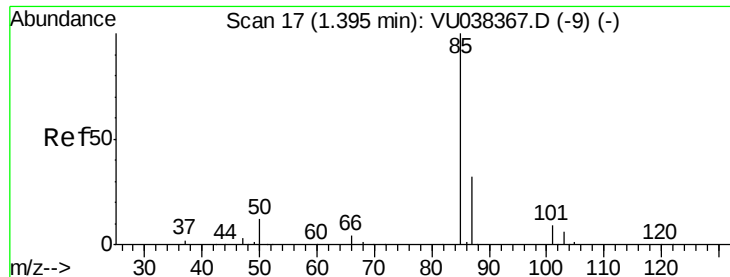
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU060320\
Data File : VU038508.D
Acq On : 03 Jun 2020 10:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Jun 03 18:06:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 30 07:49:50 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.28 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

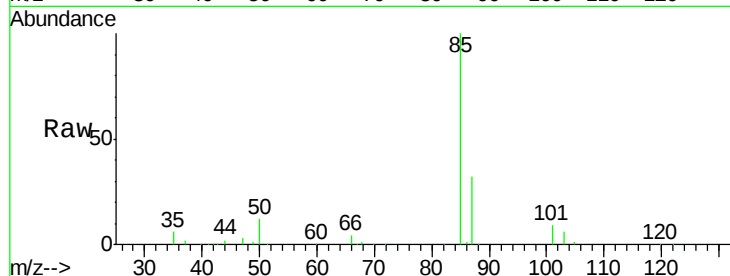
VSTD05041

Tgt Ion: 85 Resp: 221367

Ion Ratio Lower Upper

85 100

87 31.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038367.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038367.D (-9) (-)

1.39

250000

200000

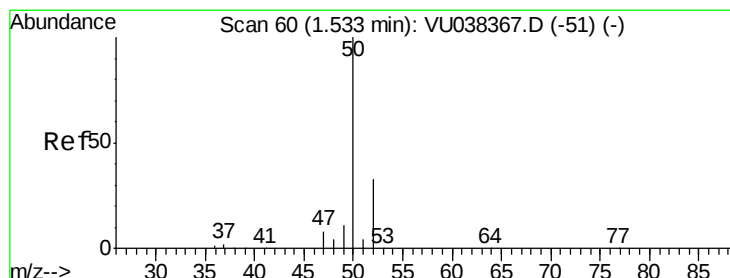
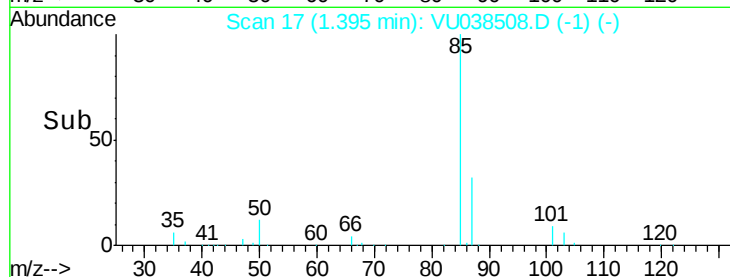
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.00 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038508.D

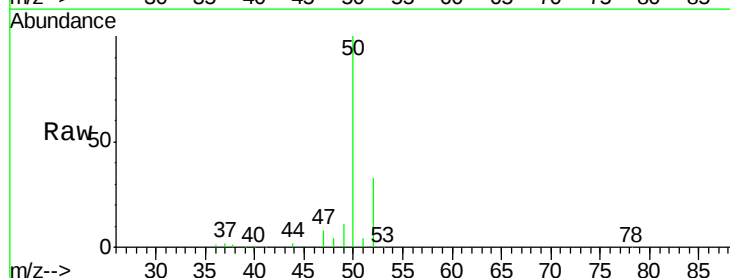
Acq: 03 Jun 2020 10:33

Tgt Ion: 50 Resp: 202819

Ion Ratio Lower Upper

50 100

52 32.8 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VU038367.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU038367.D (-51) (-)

1.53

200000

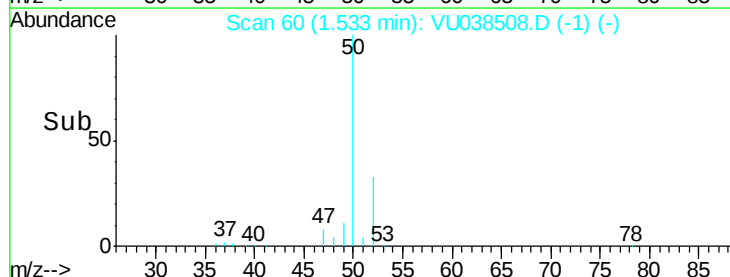
150000

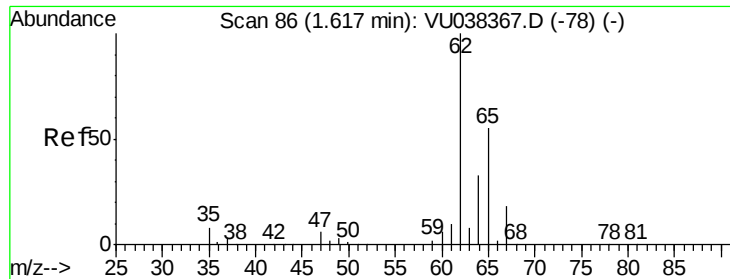
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.05 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

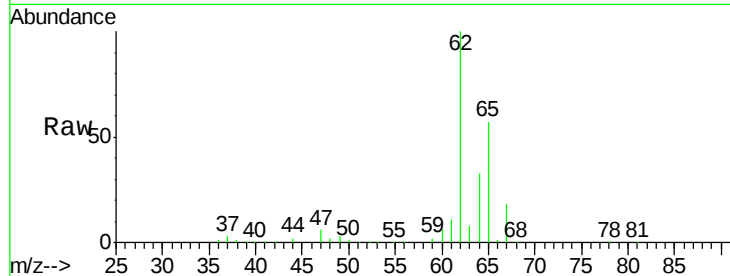
VSTD05041

Tgt Ion: 62 Resp: 219633

Ion Ratio Lower Upper

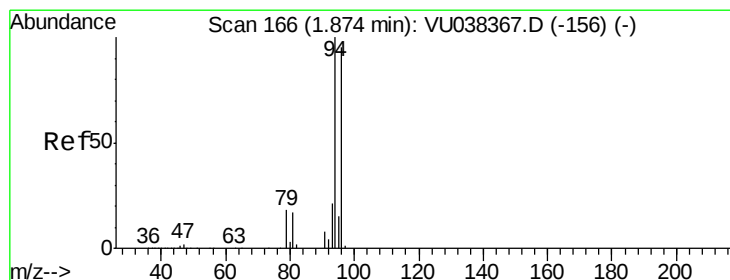
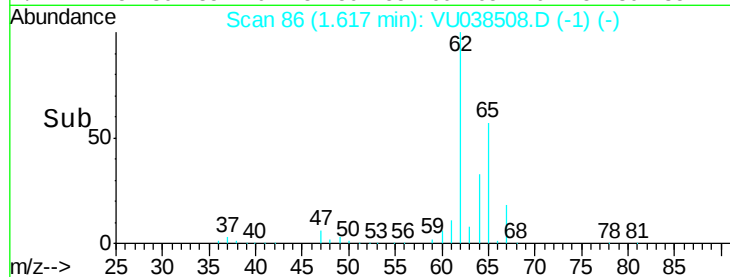
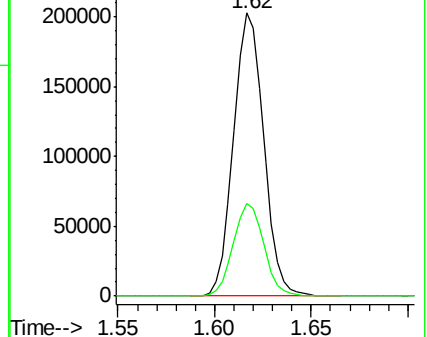
62 100

64 32.7 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU038367.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU038367.D (-78) (-)



#6

Bromomethane

Concen: 64.28 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038508.D

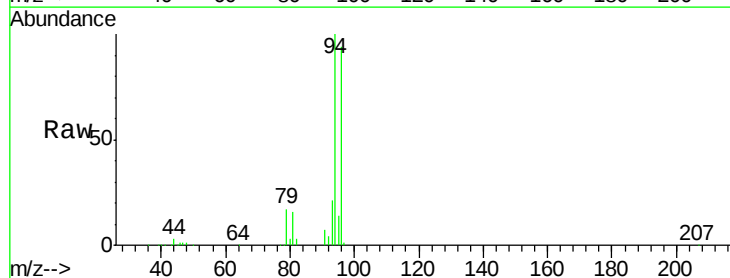
Acq: 03 Jun 2020 10:33

Tgt Ion: 94 Resp: 122766

Ion Ratio Lower Upper

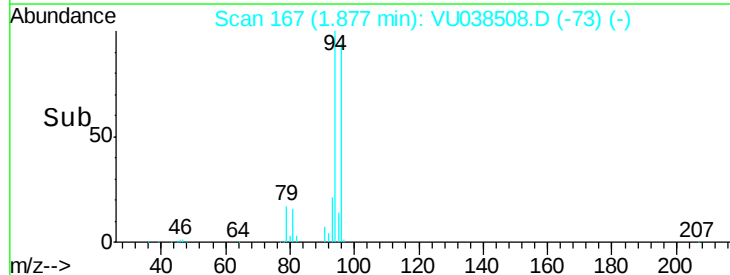
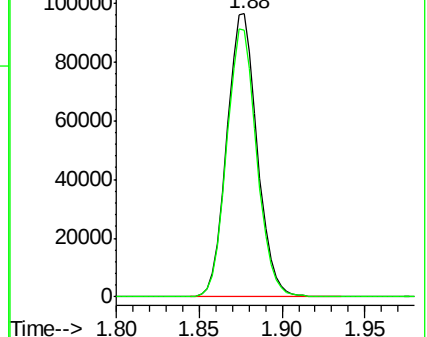
94 100

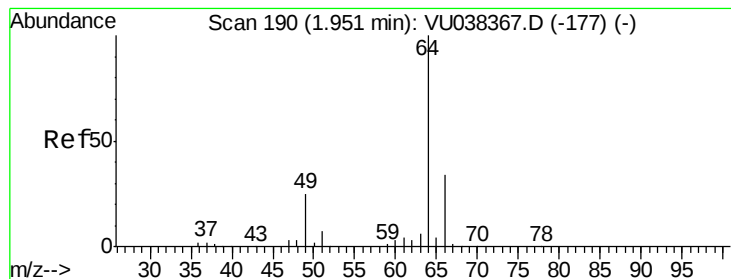
96 94.4 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU038367.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038367.D (-156) (-)





#8

Chloroethane

Concen: 44.60 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

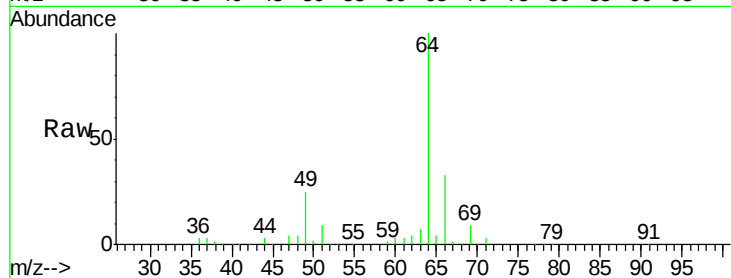
VSTD05041

Tgt Ion: 64 Resp: 127211

Ion Ratio Lower Upper

64 100

66 33.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU038367.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU038367.D (-177) (-)

1.95

100000

80000

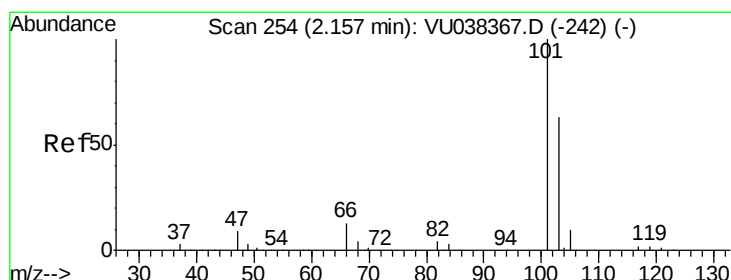
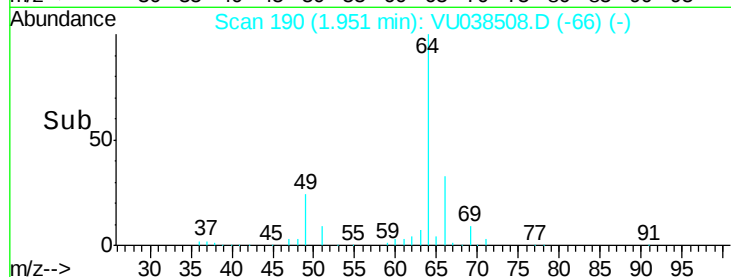
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 51.35 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038508.D

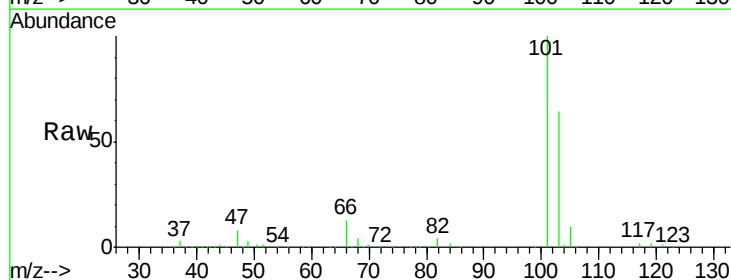
Acq: 03 Jun 2020 10:33

Tgt Ion: 101 Resp: 321283

Ion Ratio Lower Upper

101 100

103 63.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU038367.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038367.D (-242) (-)

2.16

250000

200000

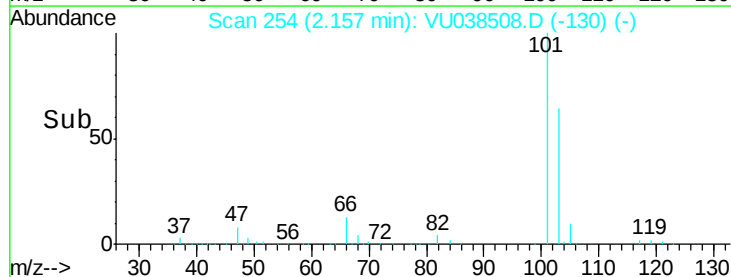
150000

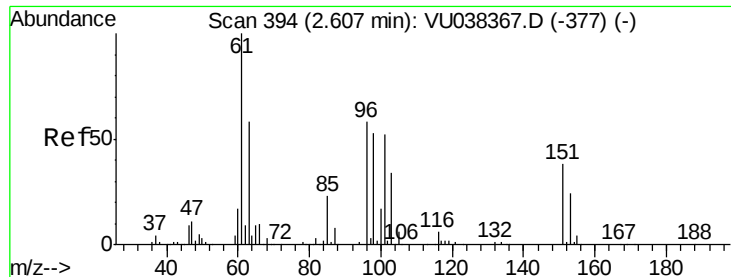
100000

50000

0

Time-->





#10

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

Concen: 51.37 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

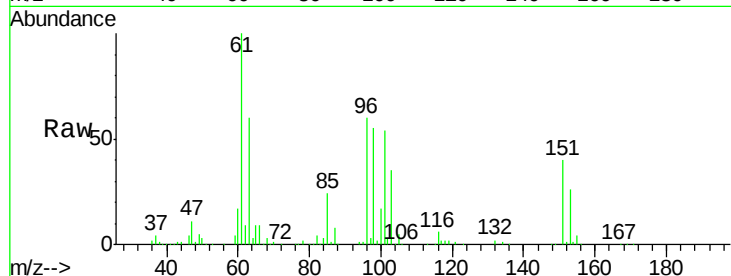
Tgt Ion: 101 Resp: 192165

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

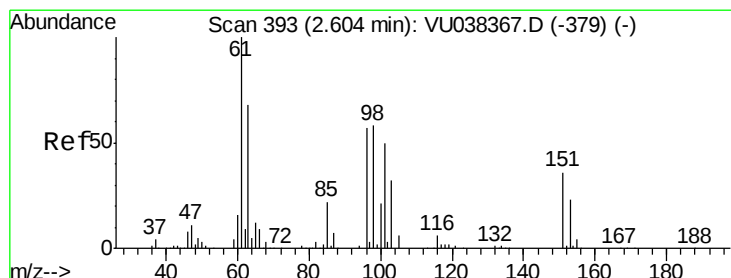
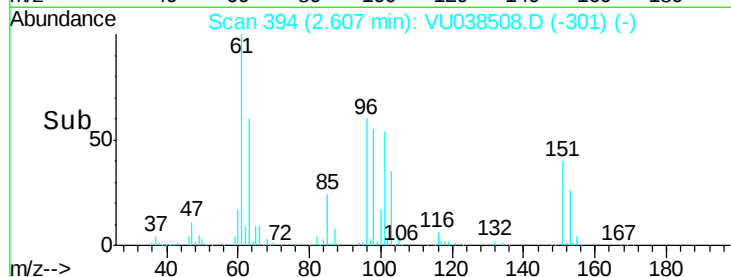
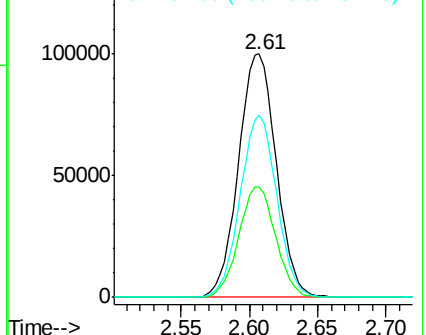
151 72.4 58.4 87.6



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: 48.92 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

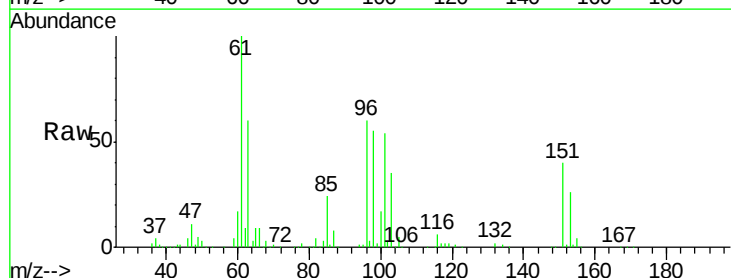
Tgt Ion: 96 Resp: 180675

Ion Ratio Lower Upper

96 100

61 167.8 123.5 229.3

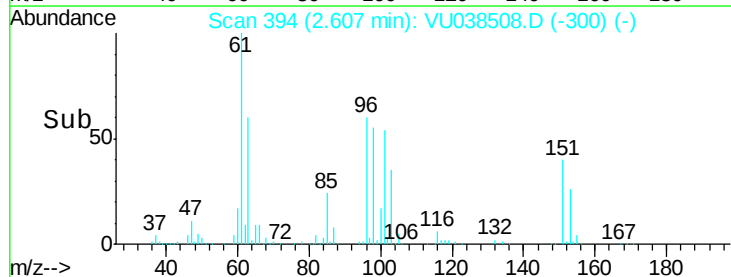
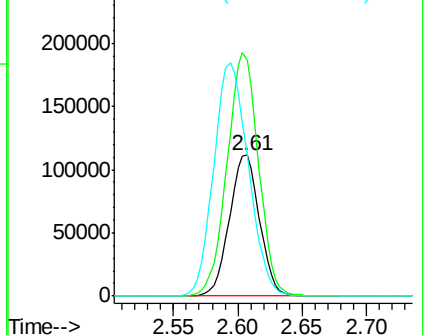
63 100.7 76.6 142.2

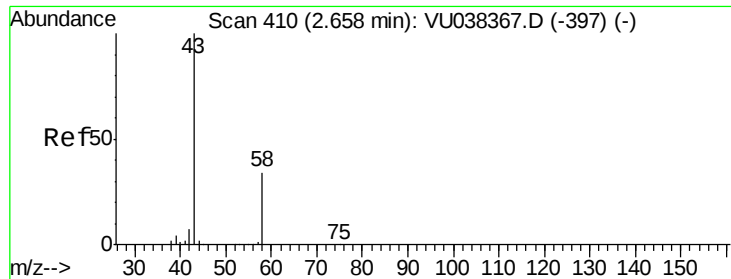


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 125.65 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

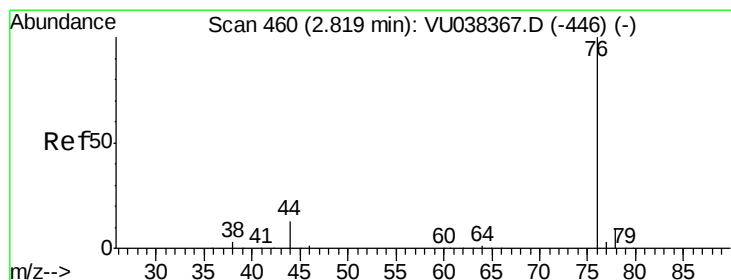
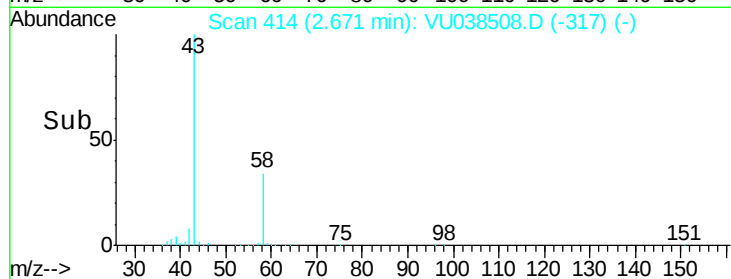
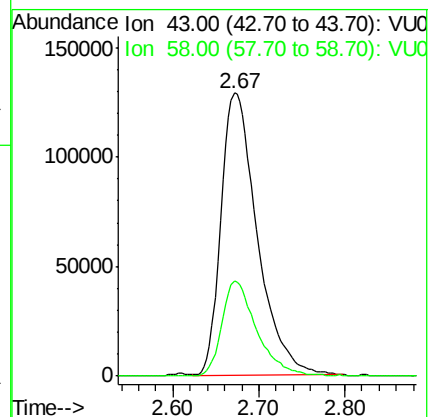
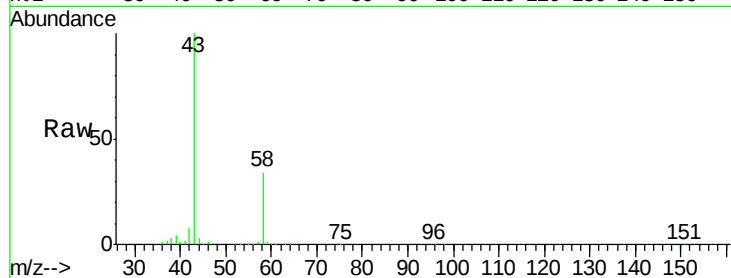
VSTD05041

Tgt Ion: 43 Resp: 379303

Ion Ratio Lower Upper

43 100

58 32.5 0.0 63.4



#14

Carbon disulfide

Concen: 47.02 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038508.D

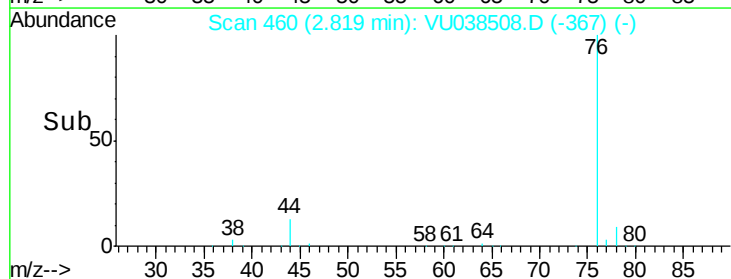
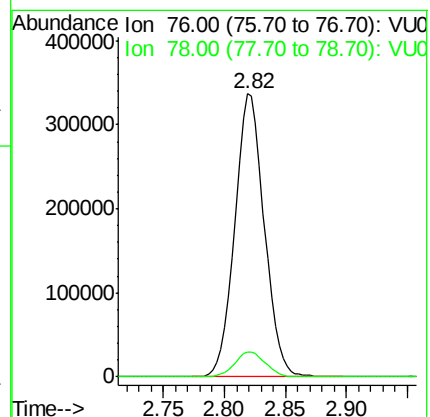
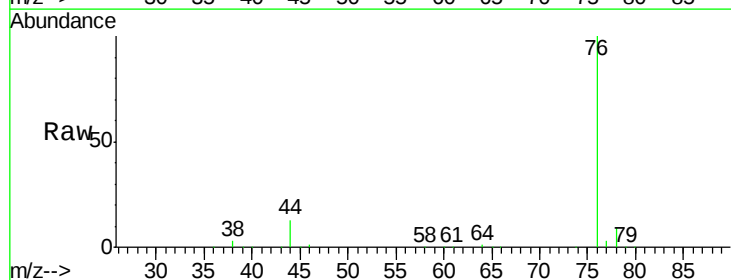
Acq: 03 Jun 2020 10:33

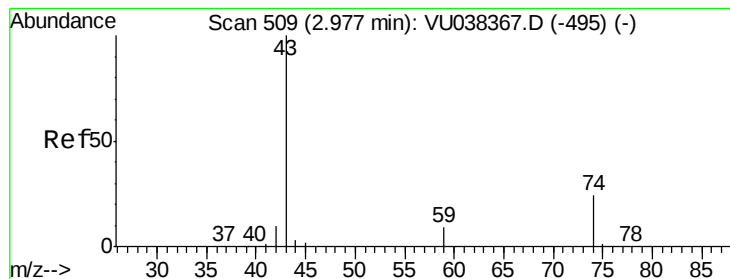
Tgt Ion: 76 Resp: 566319

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 47.81 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampled :

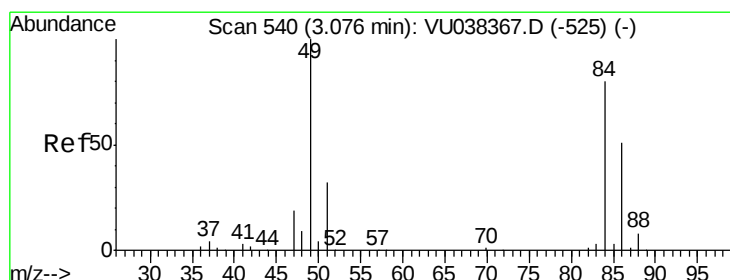
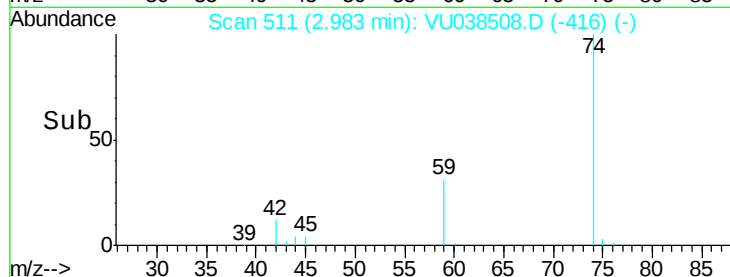
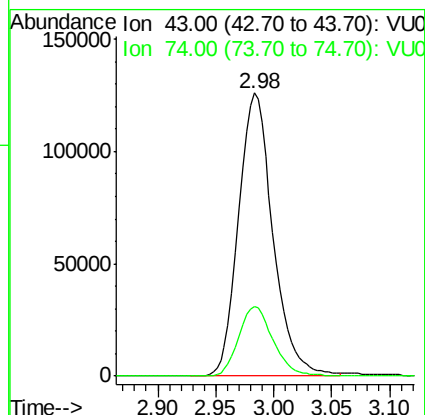
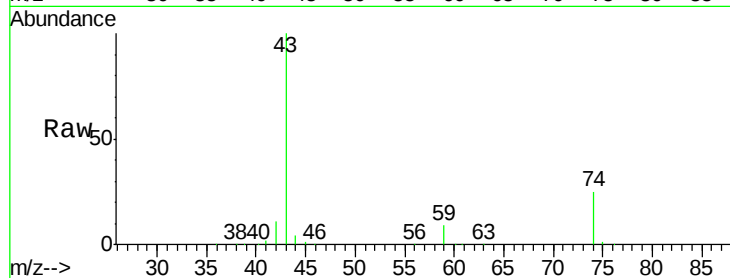
VSTD05041

Tgt Ion: 43 Resp: 258730

Ion Ratio Lower Upper

43 100

74 24.7 19.1 28.7



#16

Methylene chloride

Concen: 48.55 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

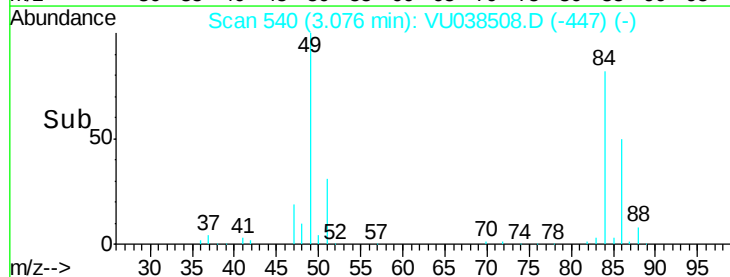
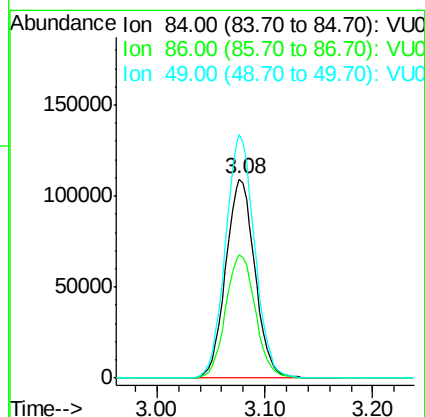
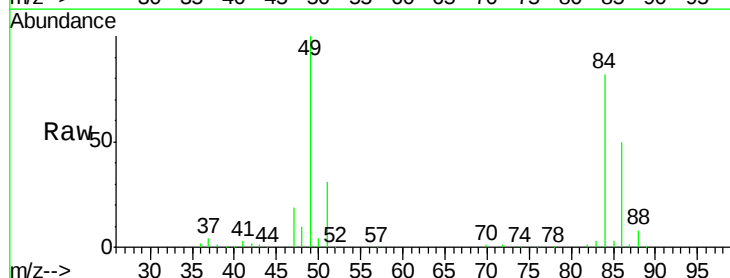
Tgt Ion: 84 Resp: 206037

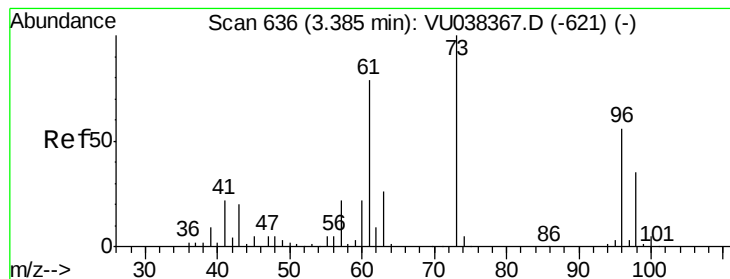
Ion Ratio Lower Upper

84 100

86 61.6 46.1 85.7

49 122.2 90.0 167.2





#17

trans-1,2-Dichloroethene

Concen: 49.21 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

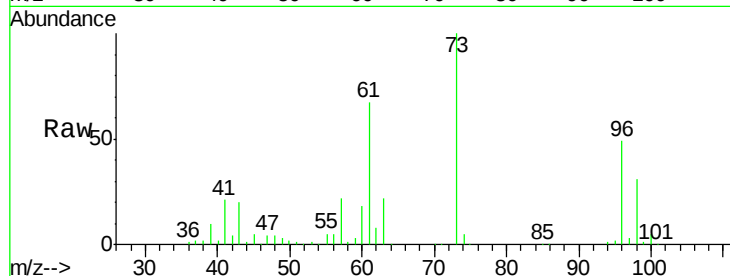
Tgt Ion: 96 Resp: 195207

Ion Ratio Lower Upper

96 100

61 137.8 100.4 186.4

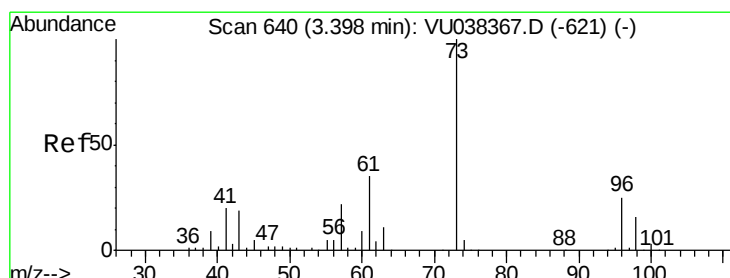
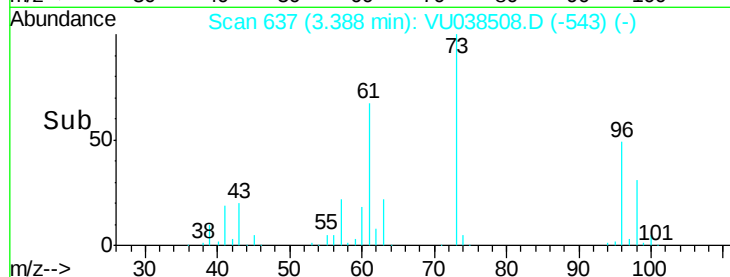
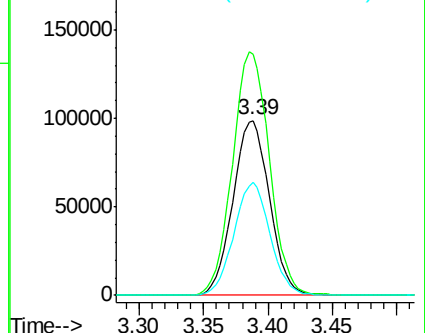
98 64.4 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU038367.D (-621) (-)

Ion 61.00 (60.70 to 61.70): VU038367.D (-621) (-)

Ion 98.00 (97.70 to 98.70): VU038367.D (-621) (-)



#18

Methyl tert-butyl Ether

Concen: 48.71 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

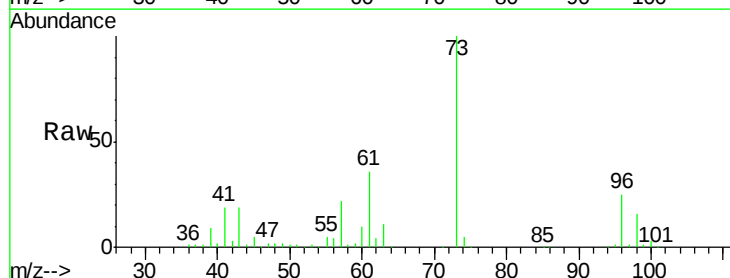
Tgt Ion: 73 Resp: 619598

Ion Ratio Lower Upper

73 100

43 19.5 15.7 23.5

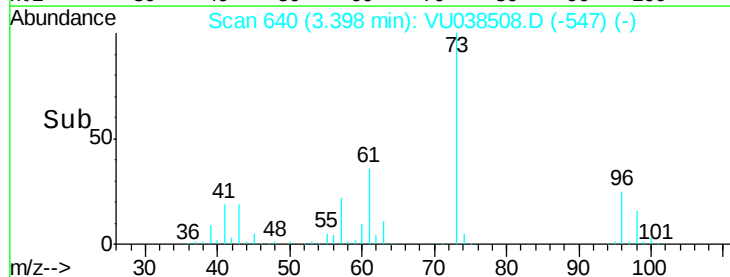
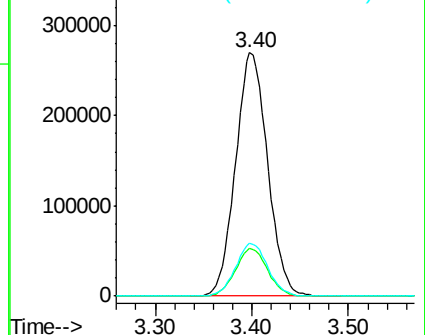
57 21.9 17.7 26.5

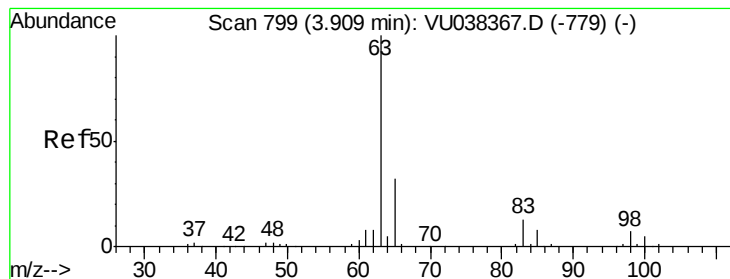


Abundance Ion 73.00 (72.70 to 73.70): VU038367.D (-621) (-)

Ion 43.00 (42.70 to 43.70): VU038367.D (-621) (-)

Ion 57.00 (56.70 to 57.70): VU038367.D (-621) (-)





#19

1,1-Dichloroethane

Concen: 48.32 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

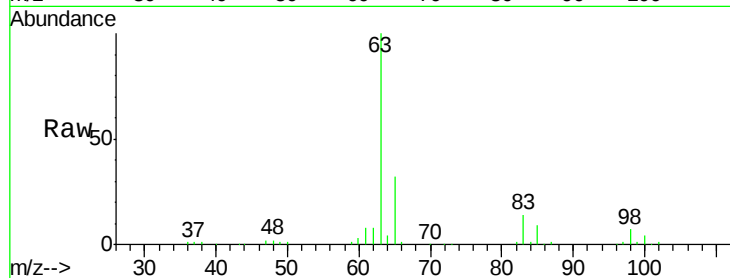
Tgt Ion: 63 Resp: 362963

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

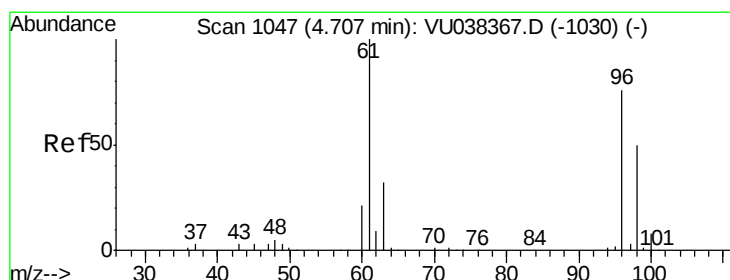
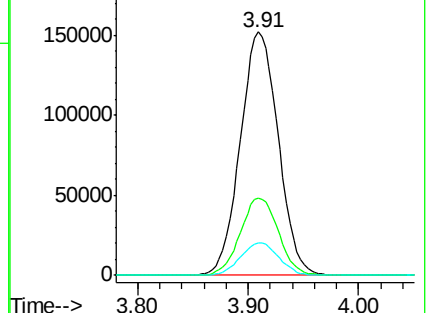
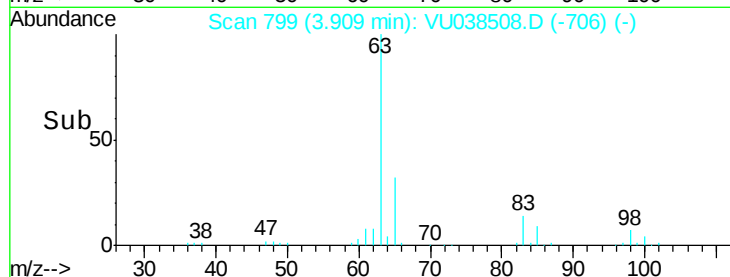
83 13.5 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038508.D (-706) (-)

Ion 65.00 (64.70 to 65.70): VU038508.D (-706) (-)

Ion 83.00 (82.70 to 83.70): VU038508.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.75 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

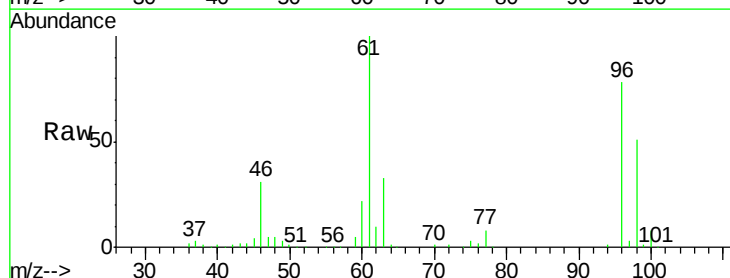
Tgt Ion: 96 Resp: 211843

Ion Ratio Lower Upper

96 100

61 127.4 93.4 173.4

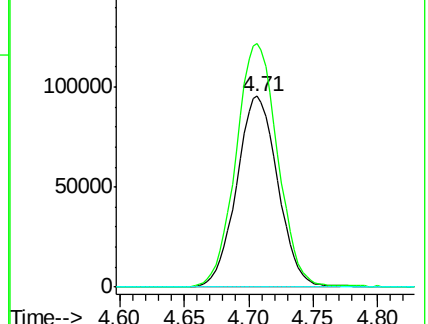
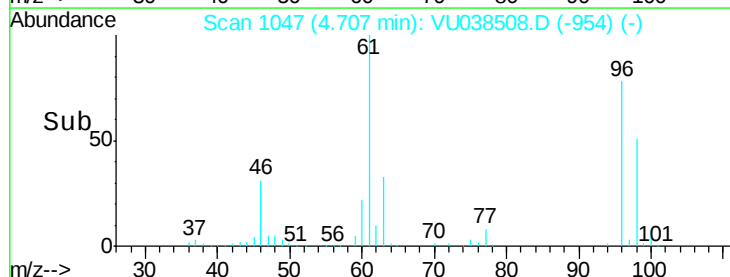
68 0.0 0.0 0.0

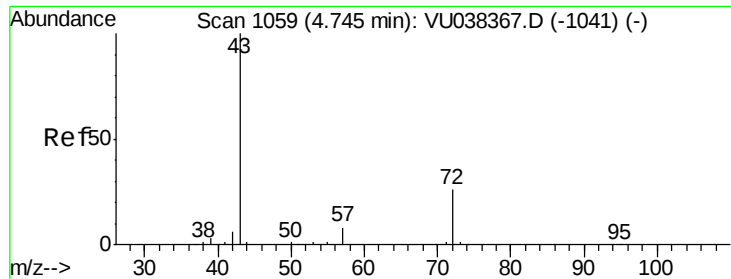


Abundance Ion 96.00 (95.70 to 96.70): VU038508.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU038508.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU038508.D (-954) (-)





#22

2-Butanone

Concen: 106.73 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

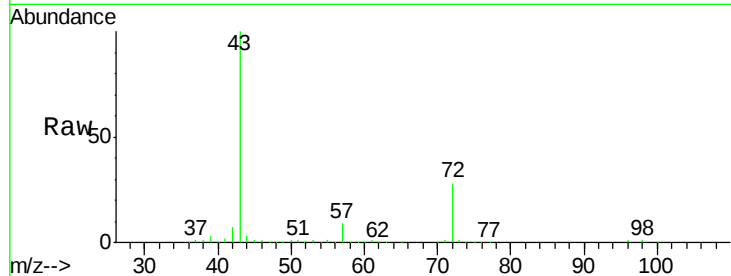
VSTD05041

Tgt Ion: 43 Resp: 451722

Ion Ratio Lower Upper

43 100

72 27.8 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VU038367.D (-1041) (-)

Ion 72.00 (71.70 to 72.70): VU038367.D (-1041) (-)

4.75

150000

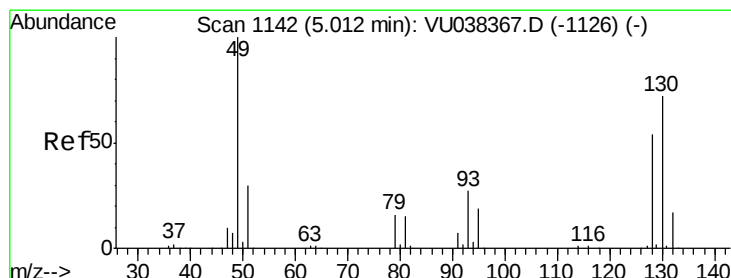
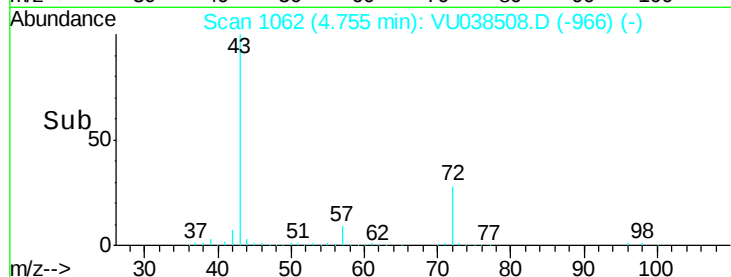
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 49.37 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Tgt Ion: 128 Resp: 106209

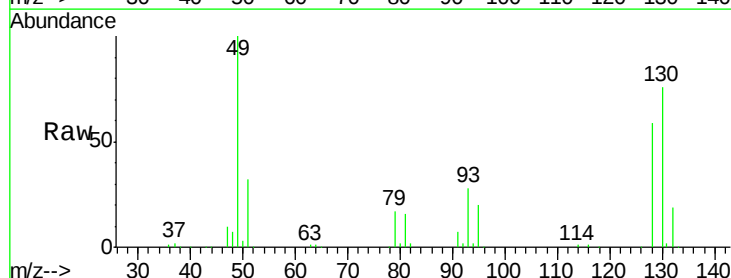
Ion Ratio Lower Upper

128 100

49 168.6 120.1 223.1

130 128.7 88.1 163.5

51 53.2 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VU038367.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU038367.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU038367.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU038367.D (-1126) (-)

120000

100000

80000

60000

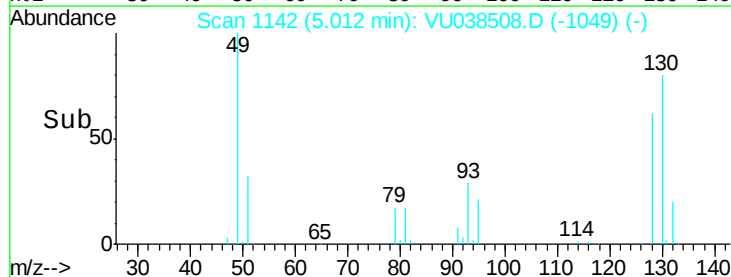
40000

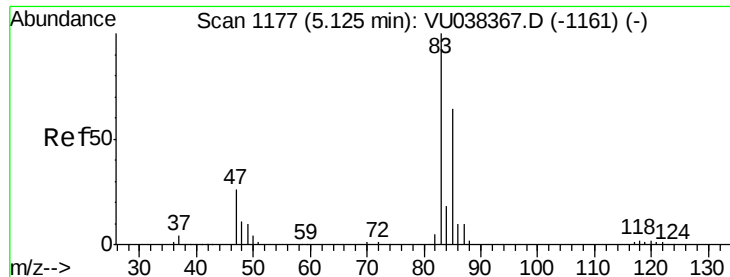
20000

0

4.95 5.00 5.05 5.10

Time-->

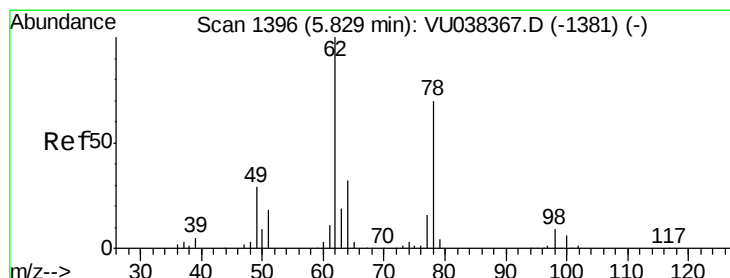
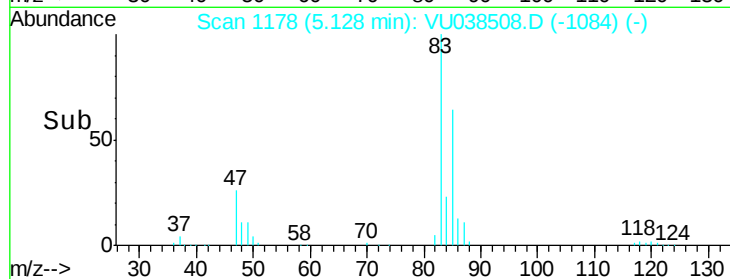
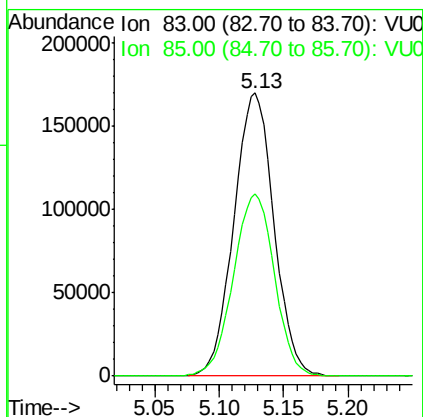
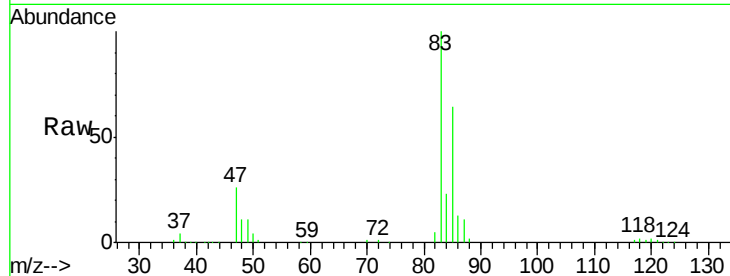




#25
Chloroform
Concen: 47.66 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

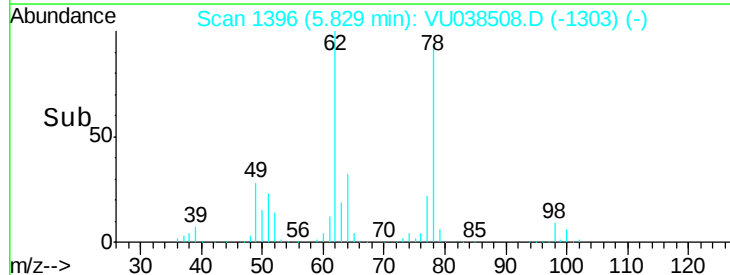
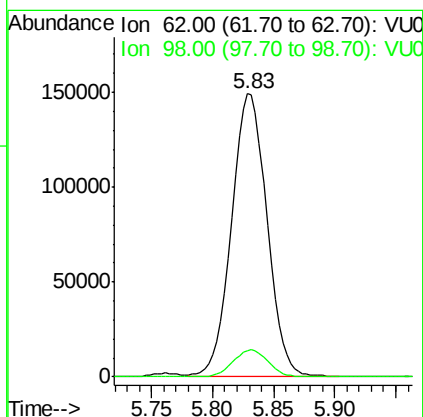
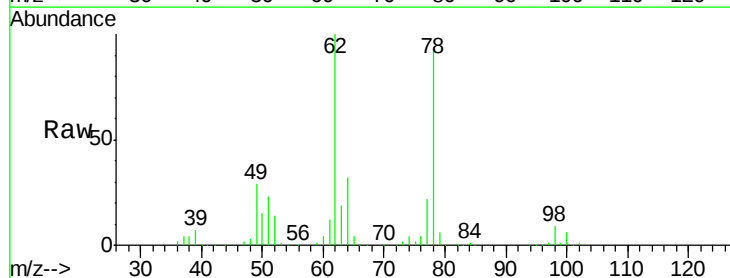
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

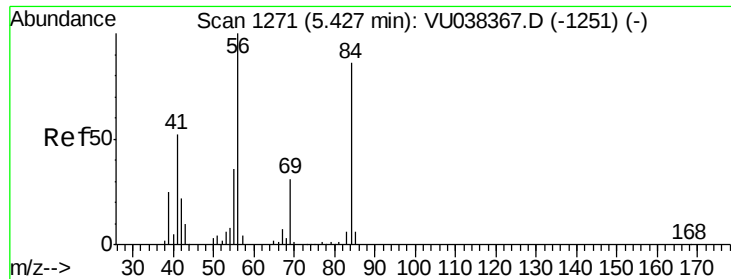
Tgt Ion: 83 Resp: 368196
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 47.91 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

Tgt Ion: 62 Resp: 299715
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

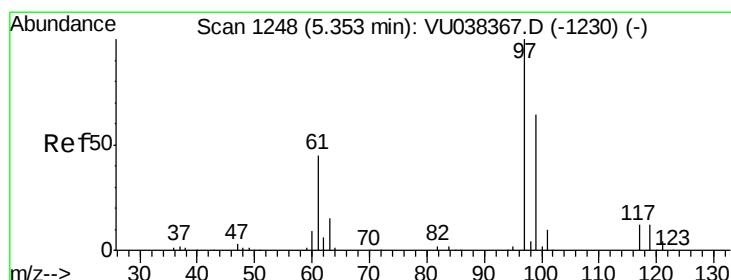
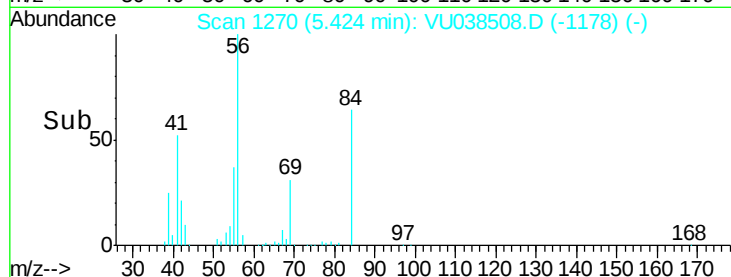
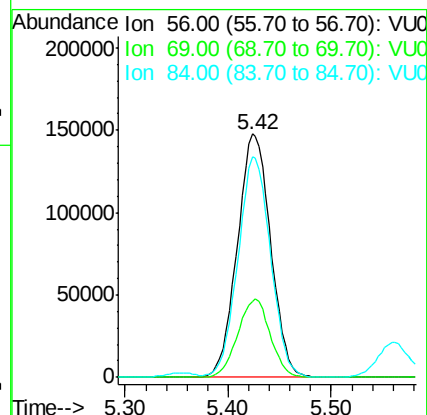
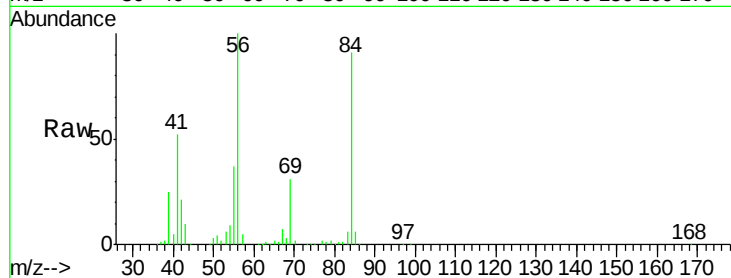




#29
Cyclohexane
Concen: 49.10 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

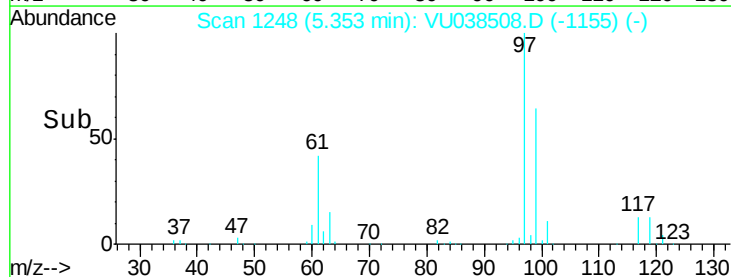
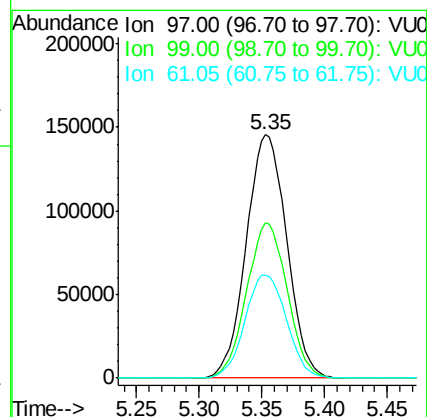
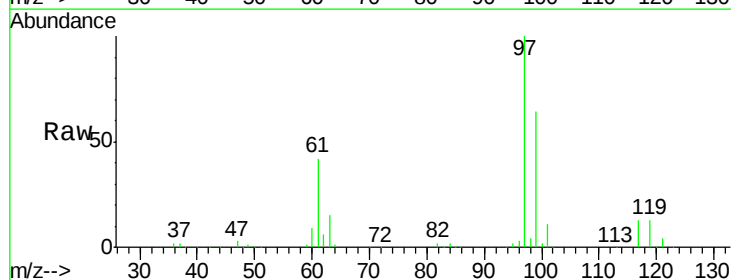
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

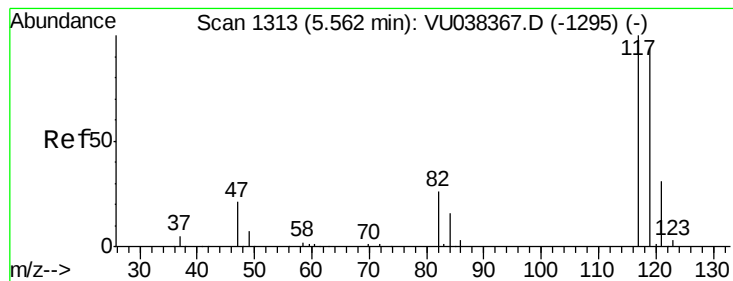
Tgt Ion: 56 Resp: 331890
Ion Ratio Lower Upper
56 100
69 31.4 24.7 37.1
84 88.8 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 51.16 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

Tgt Ion: 97 Resp: 327969
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 43.5 35.9 53.9





#31

Carbon tetrachloride

Concen: 50.51 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

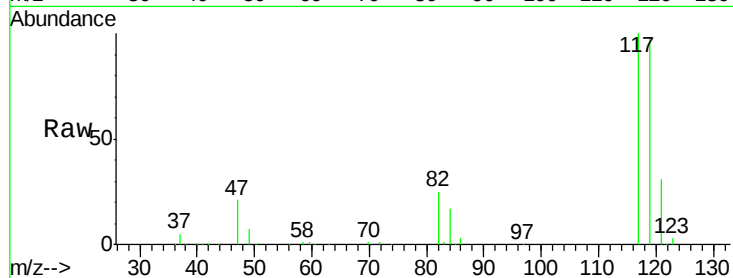
VSTD05041

Tgt Ion:117 Resp: 269880

Ion Ratio Lower Upper

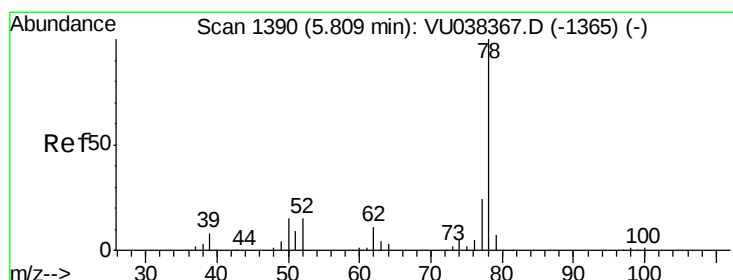
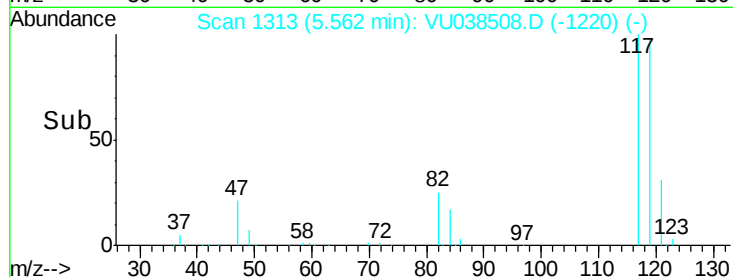
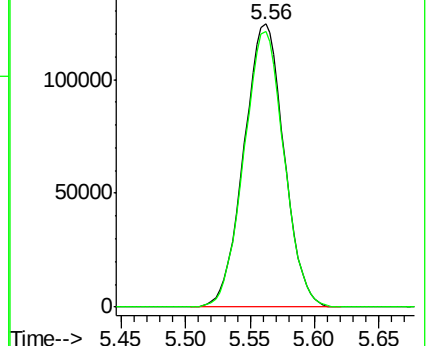
117 100

119 97.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.14 ug/L

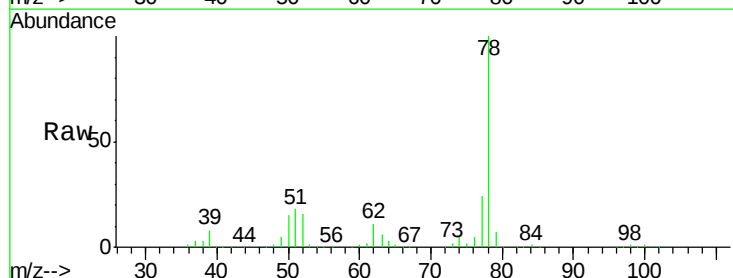
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

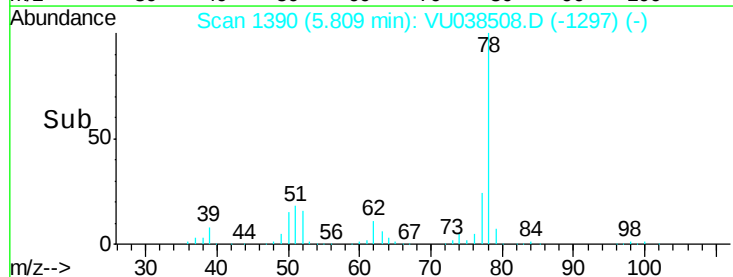
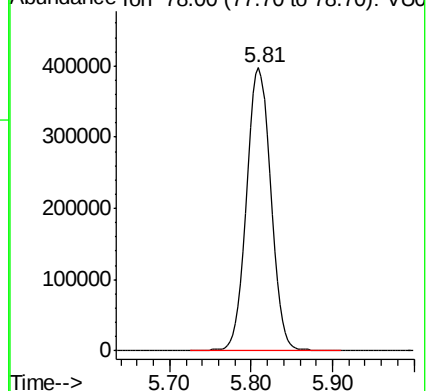
Lab File: VU038508.D

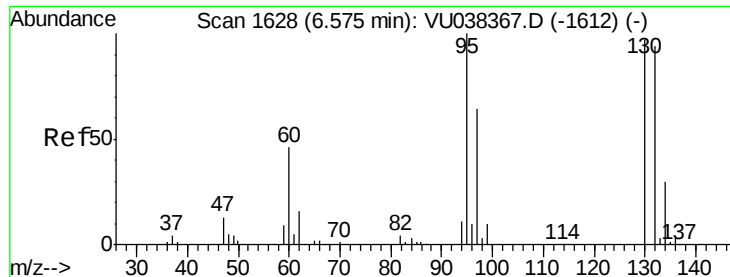
Acq: 03 Jun 2020 10:33

Tgt Ion: 78 Resp: 813668



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.51 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 95 Resp: 209772

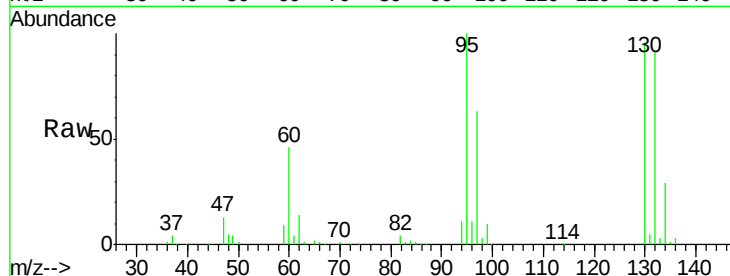
Ion Ratio Lower Upper

95 100

97 62.9 44.3 82.3

132 90.9 64.7 120.1

130 96.0 68.5 127.1

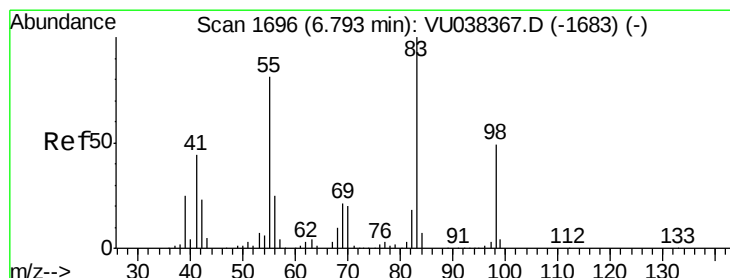
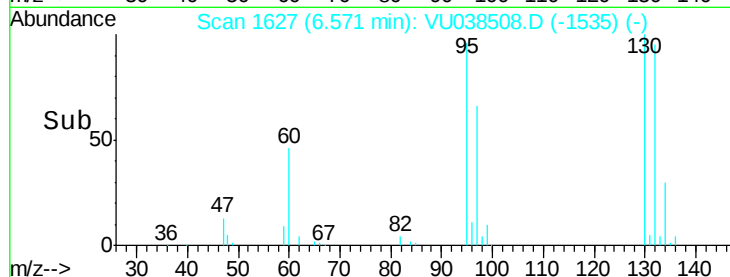
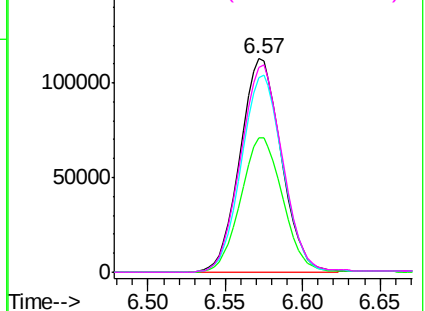


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.92 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

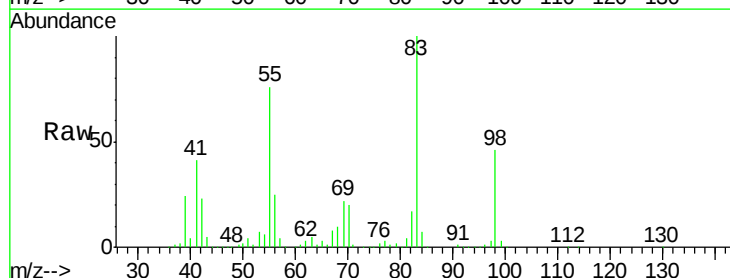
Tgt Ion: 83 Resp: 332040

Ion Ratio Lower Upper

83 100

55 77.6 63.0 94.4

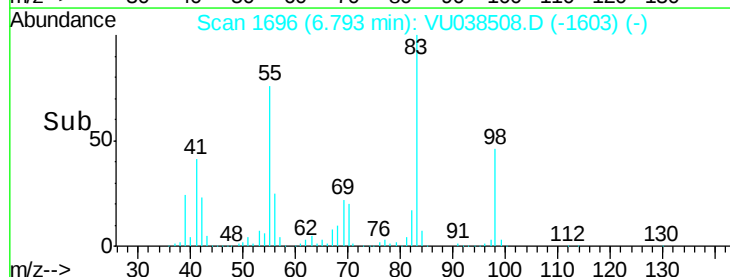
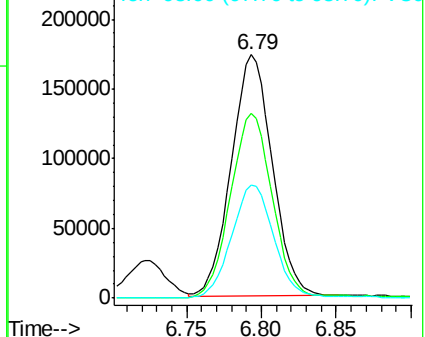
98 47.6 38.6 57.8

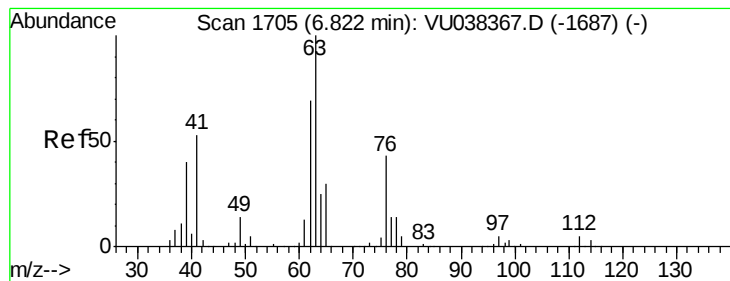


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.67 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

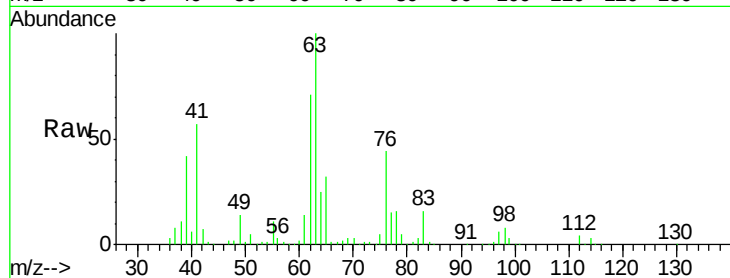
VSTD05041

Tgt Ion: 63 Resp: 209027

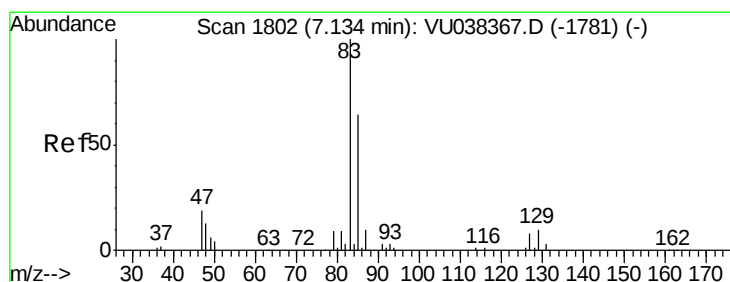
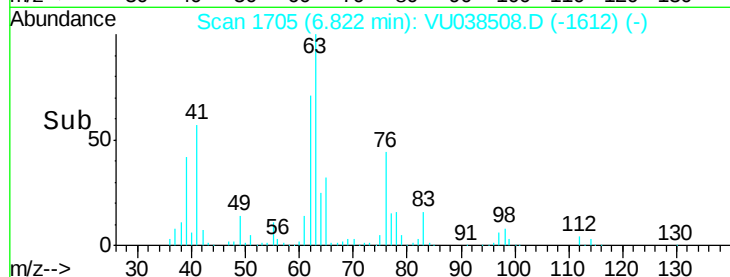
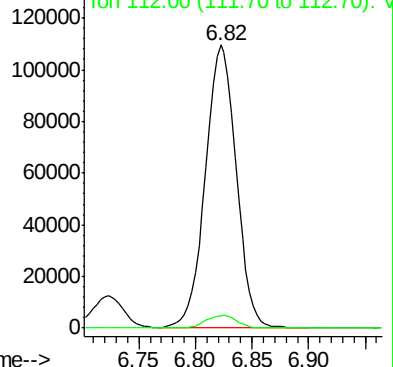
Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU038508.D (-1612) (-)



#38

Bromodichloromethane

Concen: 49.94 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

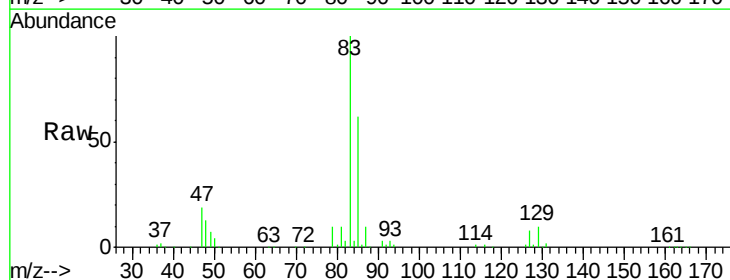
Tgt Ion: 83 Resp: 274851

Ion Ratio Lower Upper

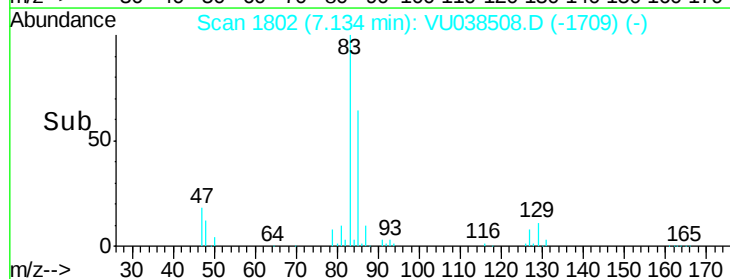
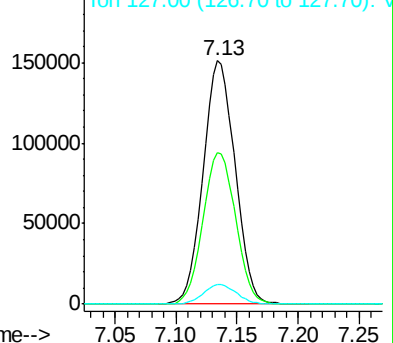
83 100

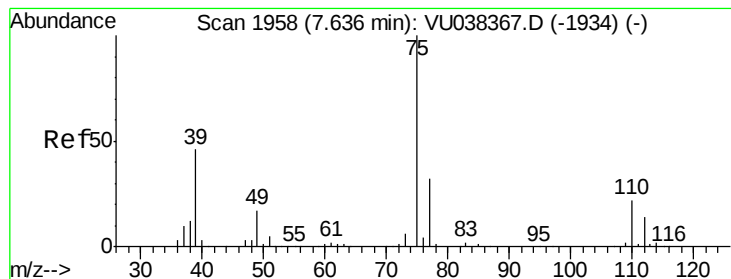
85 62.5 45.5 84.5

127 8.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038508.D (-1709) (-)





#39

cis-1,3-Dichloropropene

Concen: 48.35 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

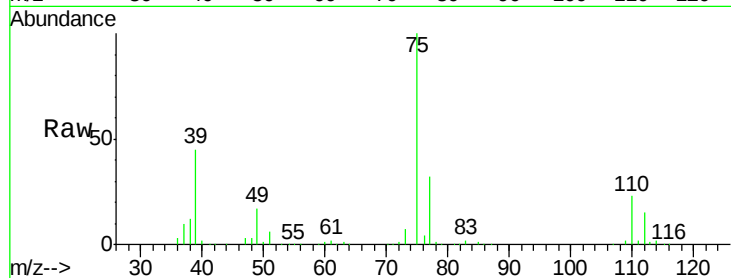
VSTD05041

Tgt Ion: 75 Resp: 330412

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU038367.D (-1934) (-)

Ion 77.00 (76.70 to 77.70): VU038367.D (-1934) (-)

7.64

200000

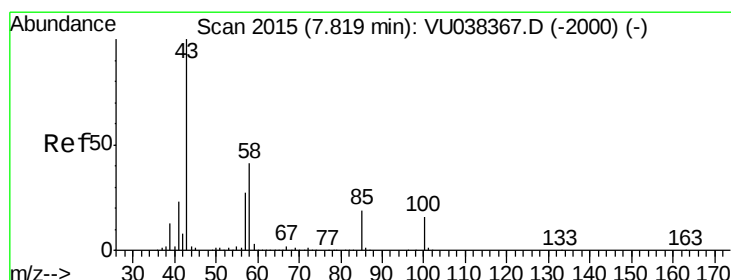
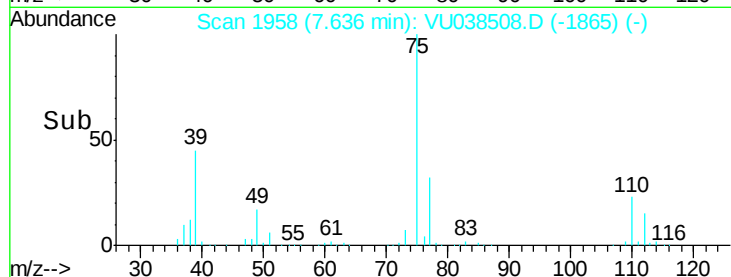
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 97.22 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

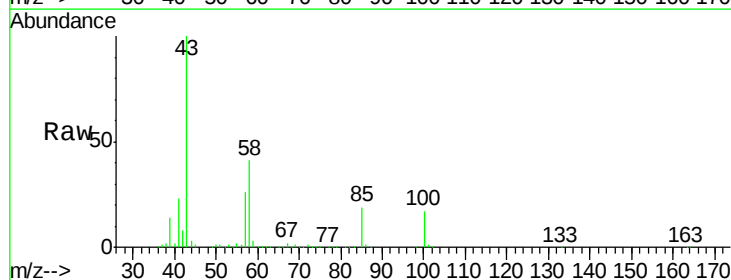
Tgt Ion: 43 Resp: 663979

Ion Ratio Lower Upper

43 100

58 40.9 32.6 48.8

100 16.8 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VU038367.D (-2000) (-)

Ion 58.00 (57.70 to 58.70): VU038367.D (-2000) (-)

Ion 100.00 (99.70 to 100.70): VU038367.D (-2000) (-)

7.82

500000

400000

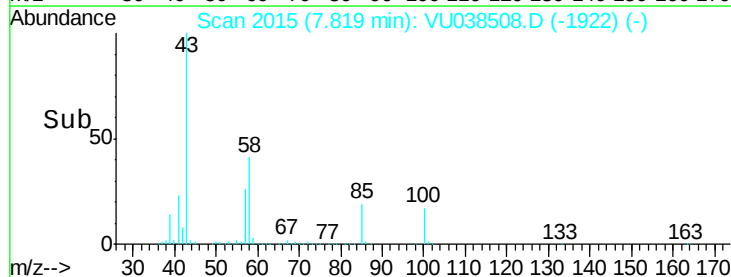
300000

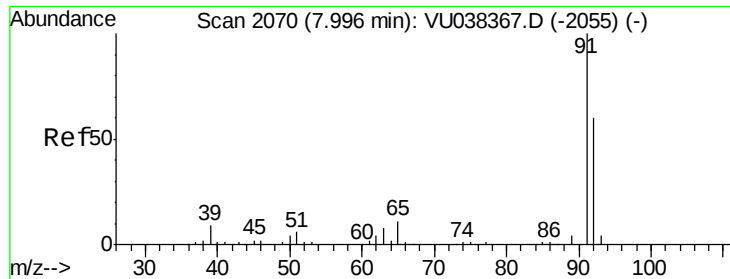
200000

100000

0

Time-->





#42

Toluene

Concen: 49.71 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

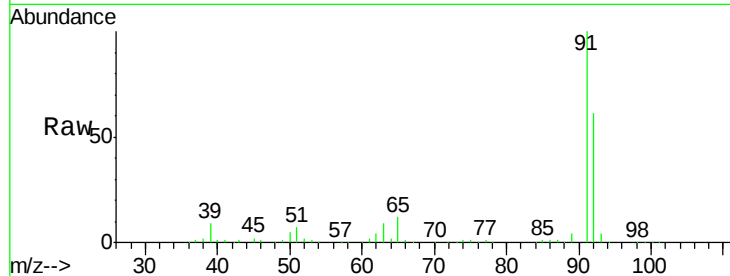
VSTD05041

Tgt Ion: 91 Resp: 864189

Ion Ratio Lower Upper

91 100

92 60.6 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038367.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU038367.D (-2055) (-)

8.00

500000

400000

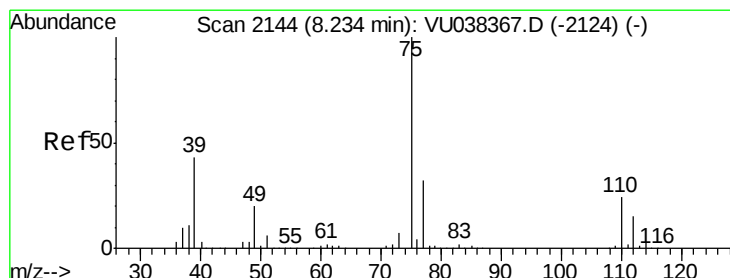
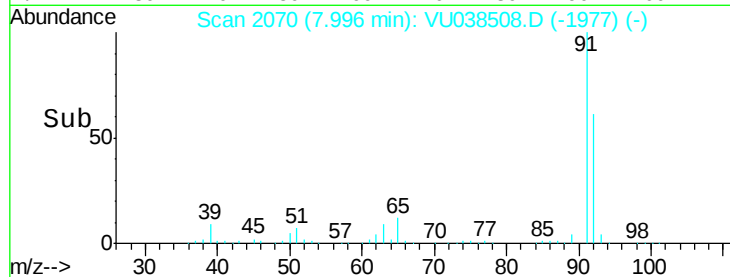
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.61 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038508.D

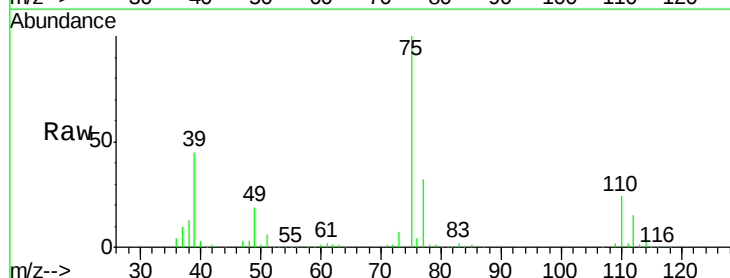
Acq: 03 Jun 2020 10:33

Tgt Ion: 75 Resp: 317341

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU038367.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU038367.D (-2124) (-)

8.23

200000

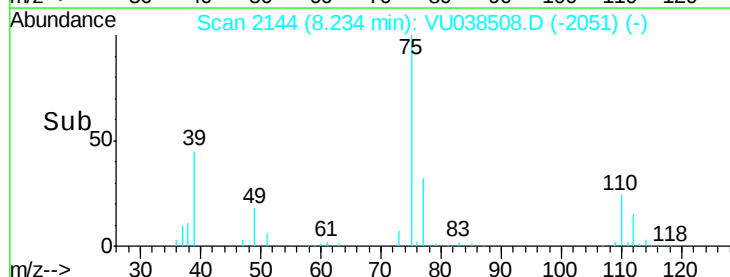
150000

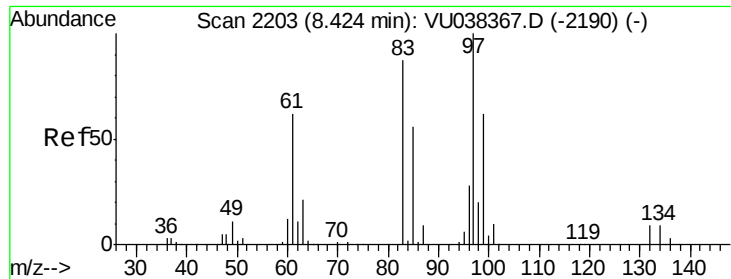
100000

50000

0

Time-->

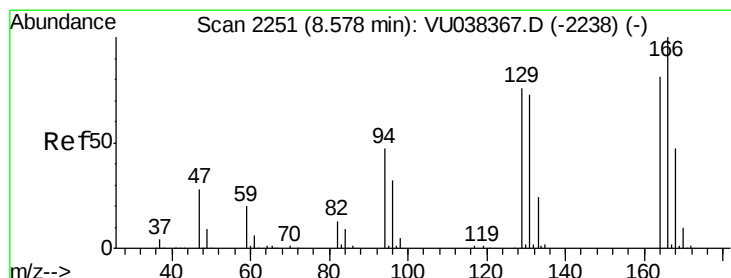
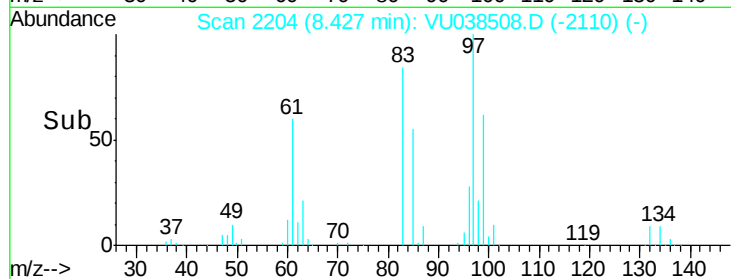
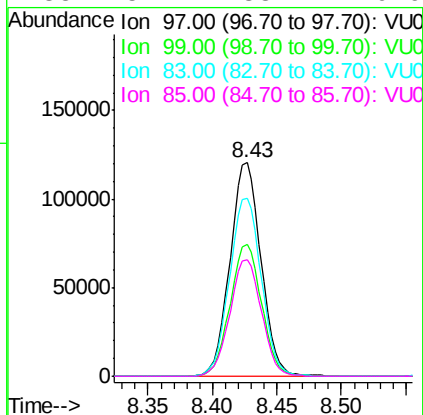
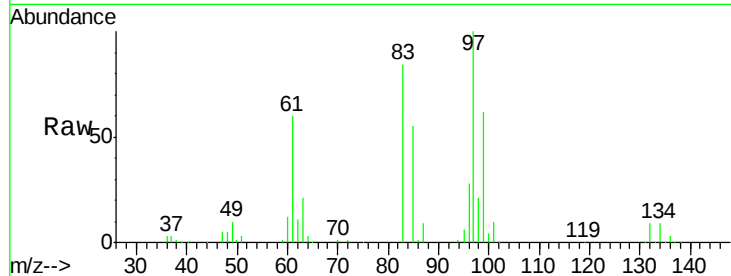




#45
 1,1,2-Trichloroethane
 Concen: 49.38 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

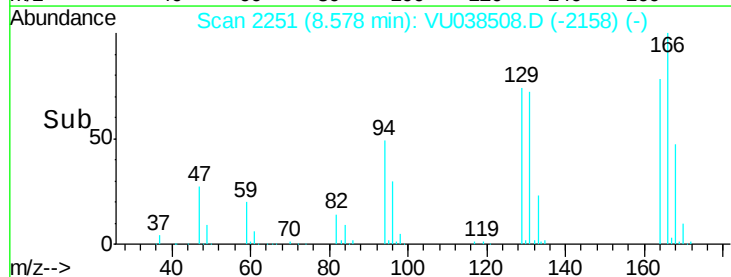
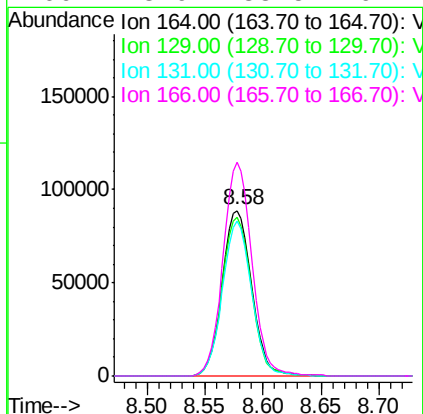
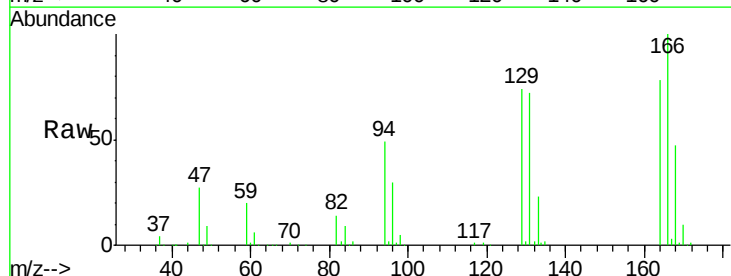
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

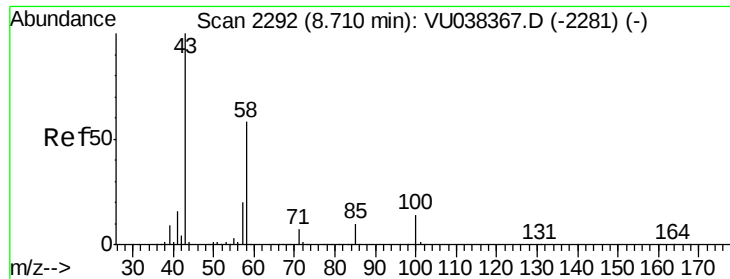
Tgt Ion:	97	Resp:	201239
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.0	81.8
83	83.5	60.8	113.0
85	54.7	38.1	70.9



#46
 Tetrachloroethene
 Concen: 50.45 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

Tgt Ion:	164	Resp:	156245
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.2	124.8
131	93.4	63.4	117.8
166	128.9	88.5	164.4

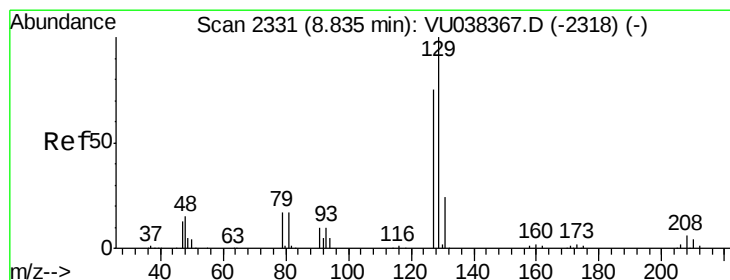
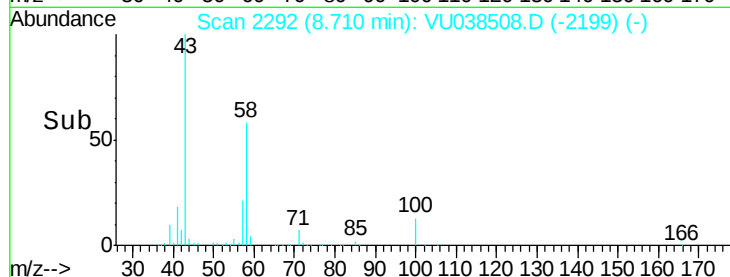
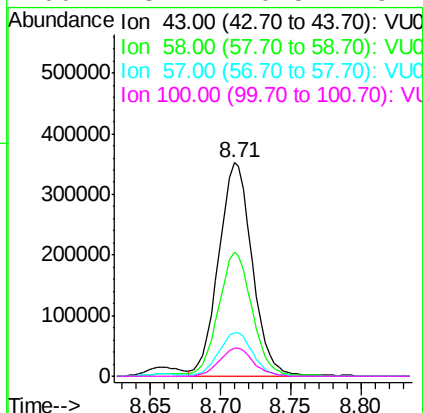
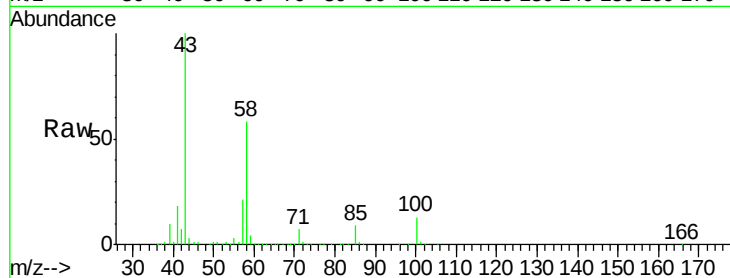




#48
2-Hexanone
Concen: 101.01 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

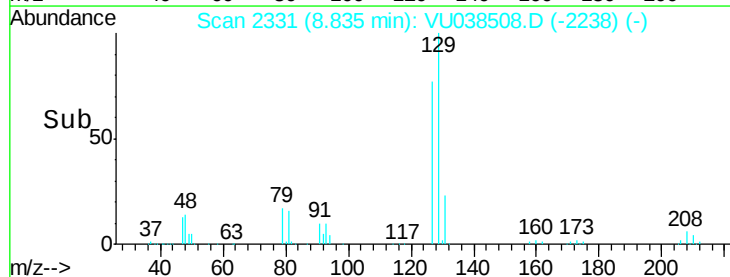
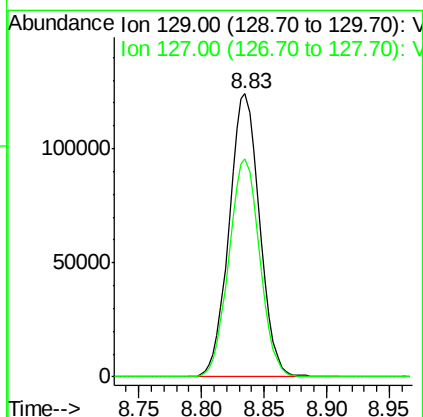
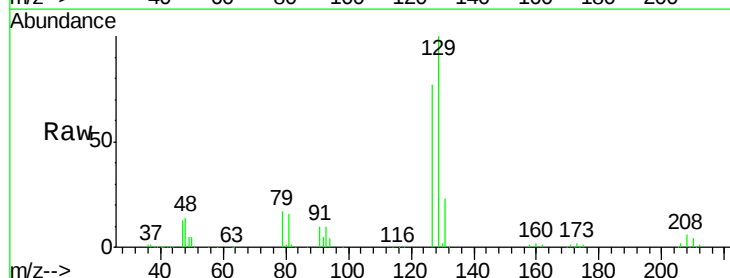
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

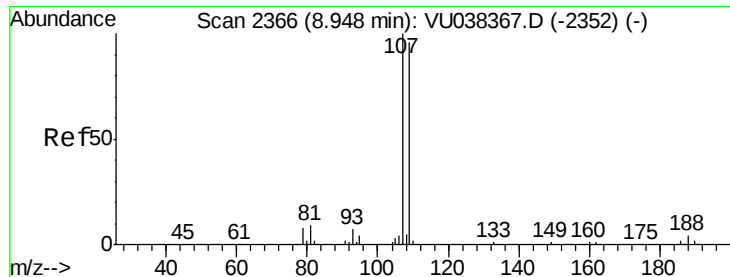
Tgt Ion:	43	Resp:	582447
Ion	Ratio	Lower	Upper
43	100		
58	58.0	45.5	68.3
57	20.5	16.3	24.5
100	13.4	10.5	15.7



#49
Dibromochloromethane
Concen: 50.77 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

Tgt Ion:	129	Resp:	209487
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.2	102.6

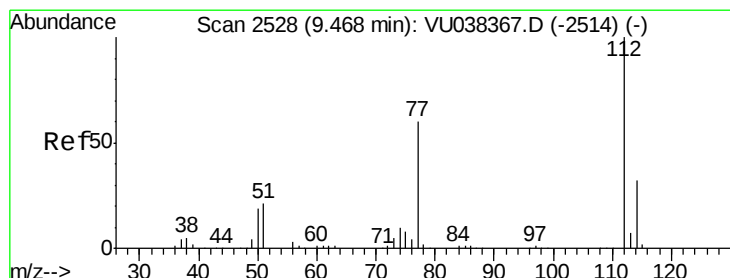
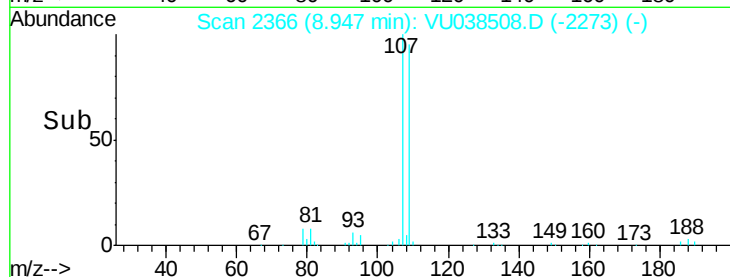
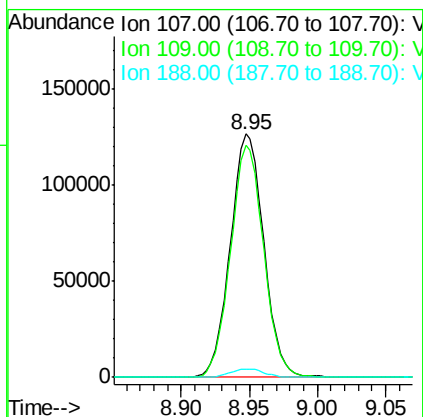
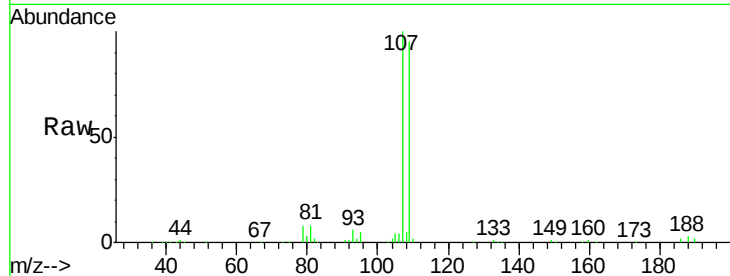




#50
1,2-Dibromoethane
Concen: 49.24 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

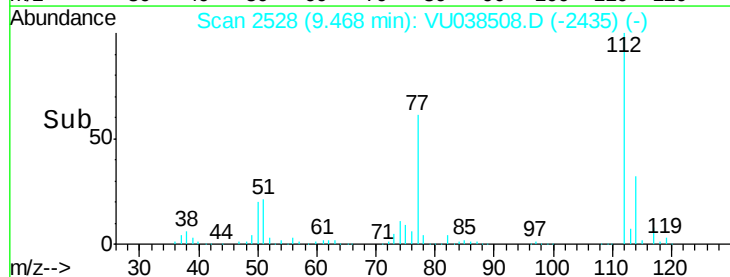
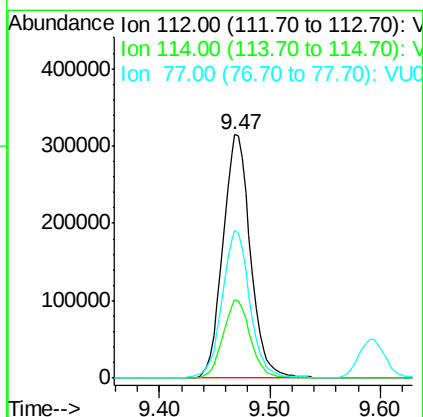
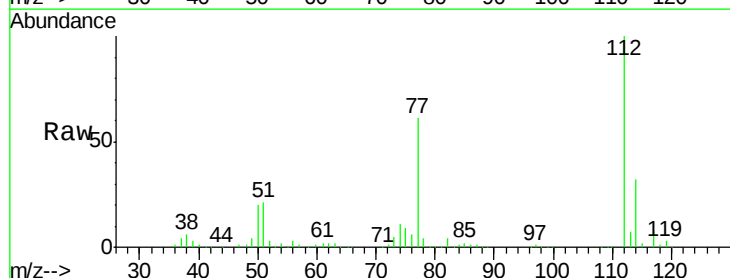
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

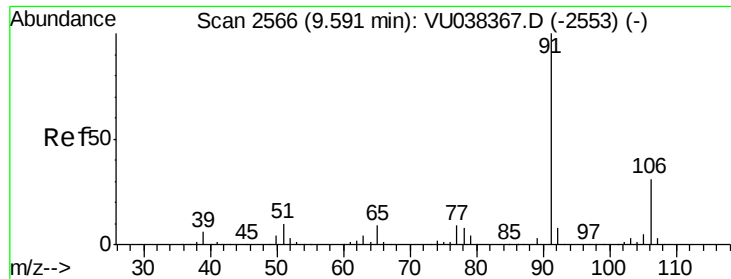
Tgt Ion:107 Resp: 215697
Ion Ratio Lower Upper
107 100
109 95.1 64.3 119.5
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 48.82 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU038508.D
Acq: 03 Jun 2020 10:33

Tgt Ion:112 Resp: 545460
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 60.8 48.8 73.2





#52

Ethylbenzene

Concen: 49.86 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

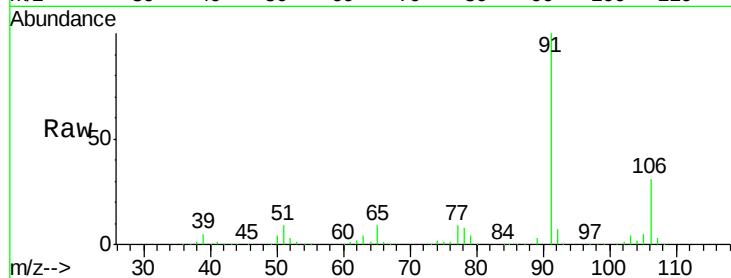
VSTD05041

Tgt Ion: 91 Resp: 971149

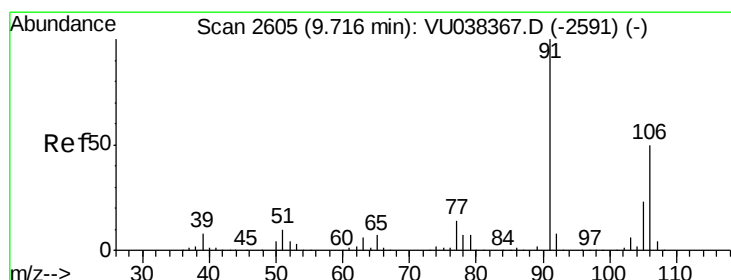
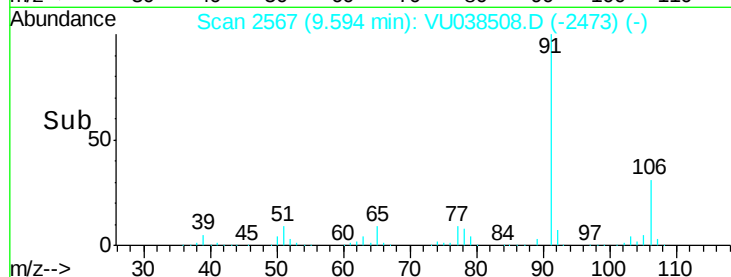
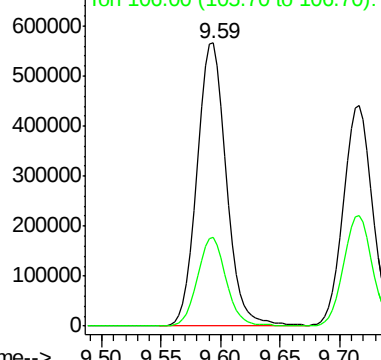
Ion Ratio Lower Upper

91 100

106 31.3 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038367.D (-2553) (-)



#53

m,p-Xylene

Concen: 50.95 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU038508.D

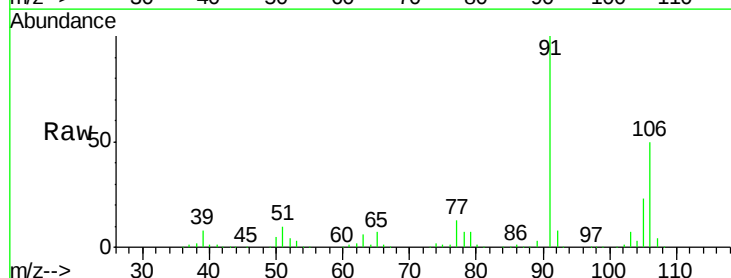
Acq: 03 Jun 2020 10:33

Tgt Ion: 106 Resp: 379523

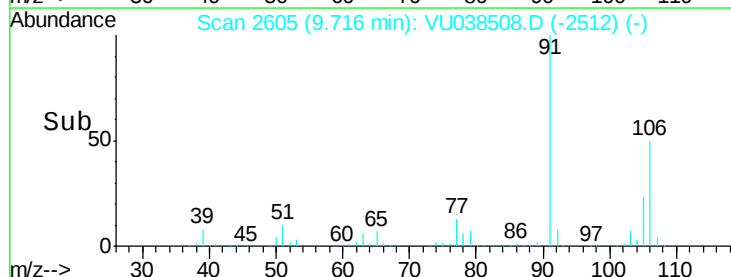
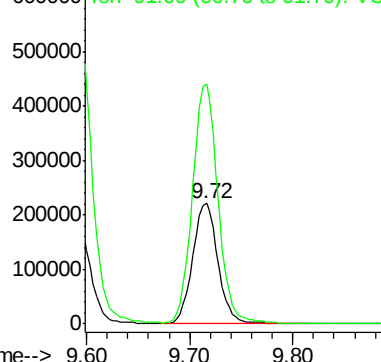
Ion Ratio Lower Upper

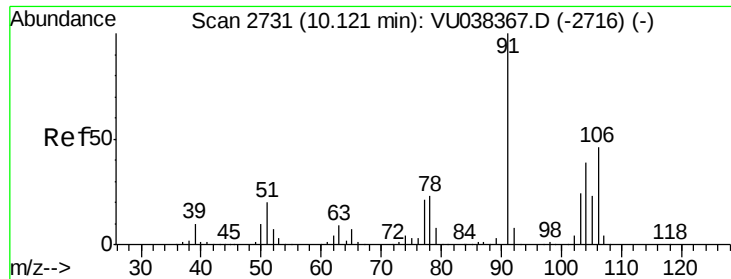
106 100

91 199.3 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038367.D (-2591) (-)





#54

o-xylene

Concen: 50.64 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

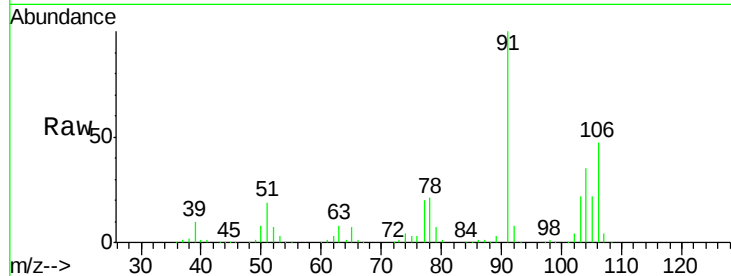
VSTD05041

Tgt Ion:106 Resp: 366766

Ion Ratio Lower Upper

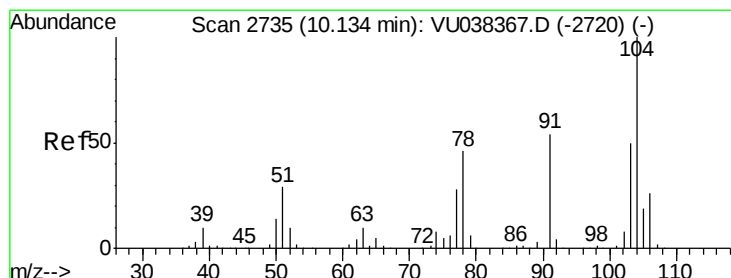
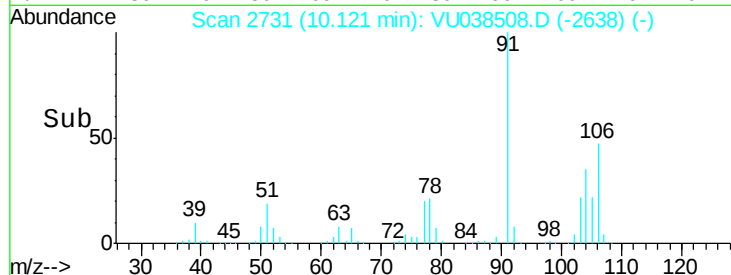
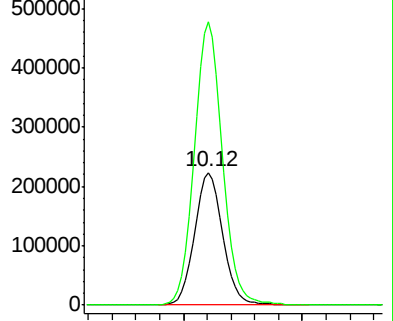
106 100

91 213.0 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.42 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU038508.D

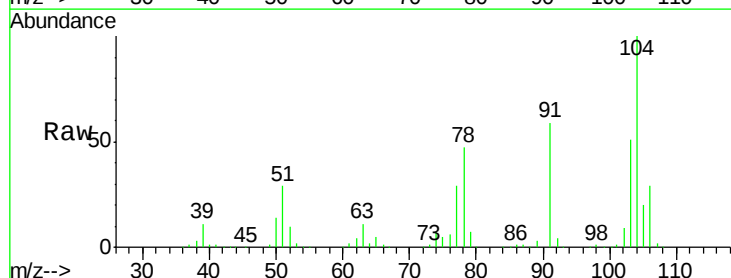
Acq: 03 Jun 2020 10:33

Tgt Ion:104 Resp: 627548

Ion Ratio Lower Upper

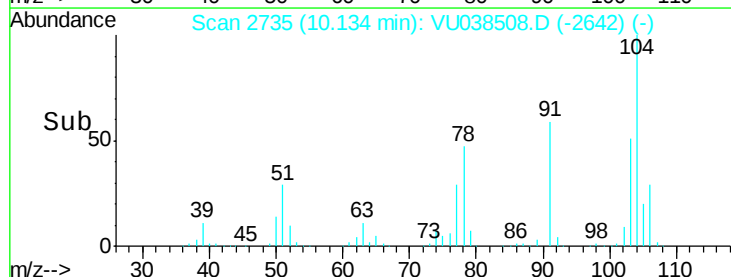
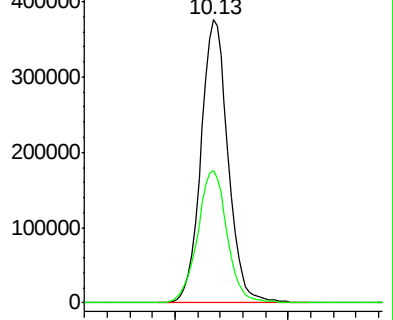
104 100

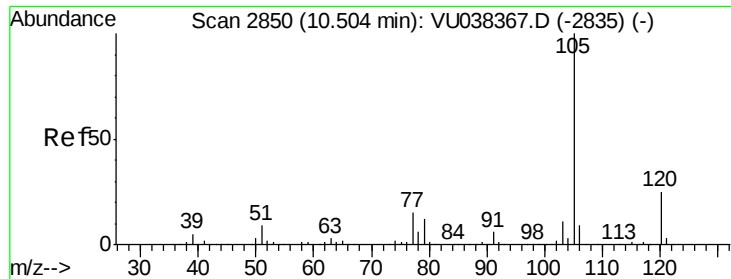
78 46.7 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.43 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

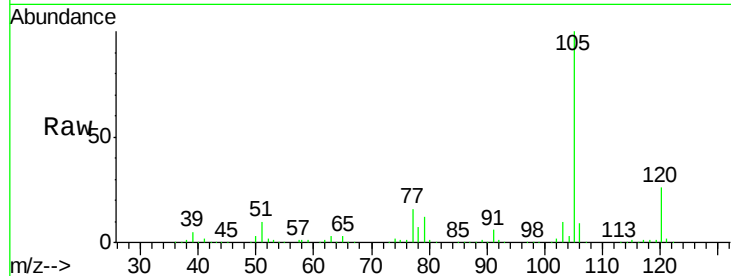
Tgt Ion: 105 Resp: 954470

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

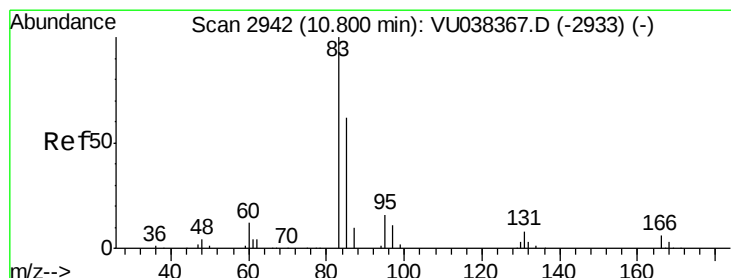
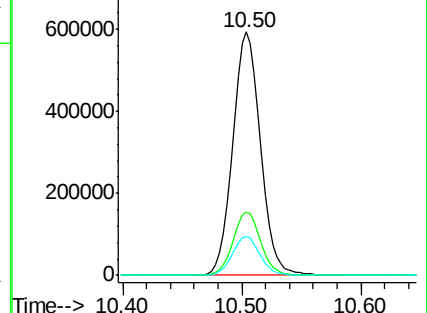
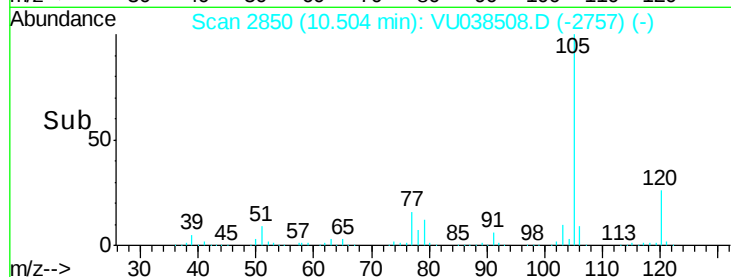
77 16.1 12.8 19.2



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: 48.67 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

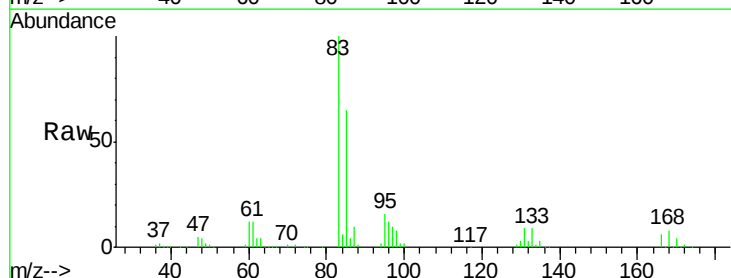
Tgt Ion: 83 Resp: 339415

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

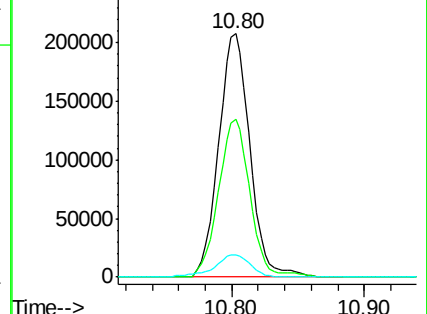
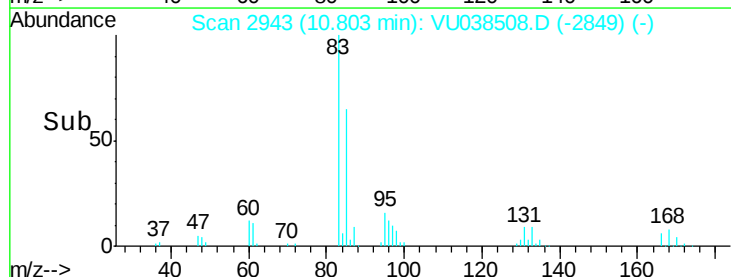
131 9.3 7.3 10.9

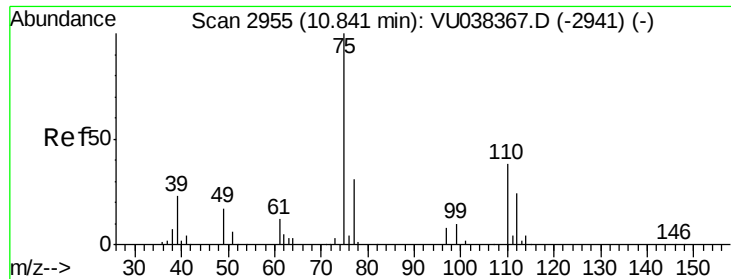


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

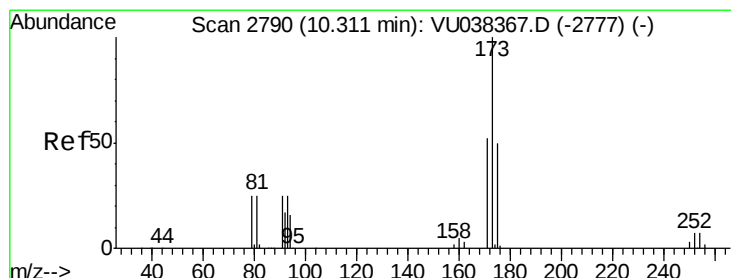
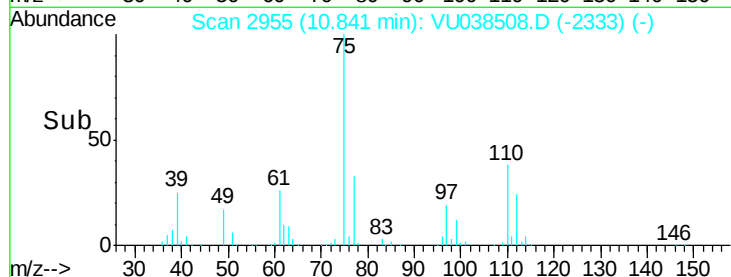
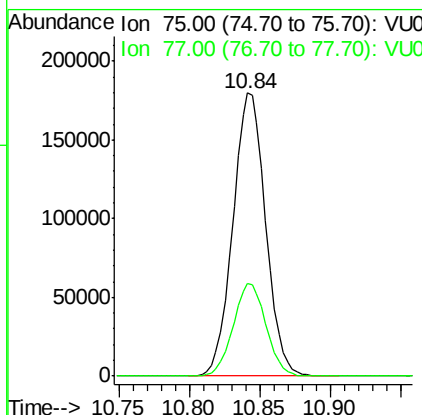
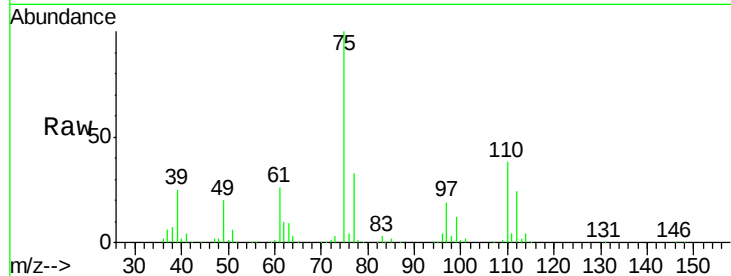




#59
 1,2,3-Trichloropropane
 Concen: 48.65 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

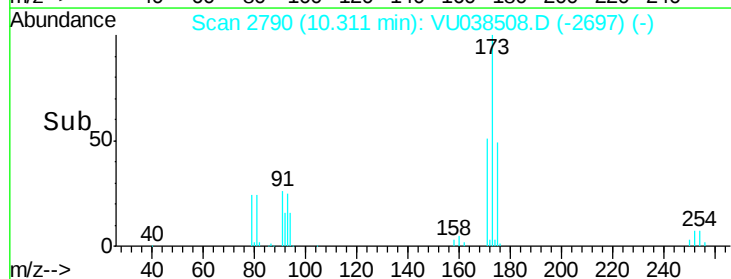
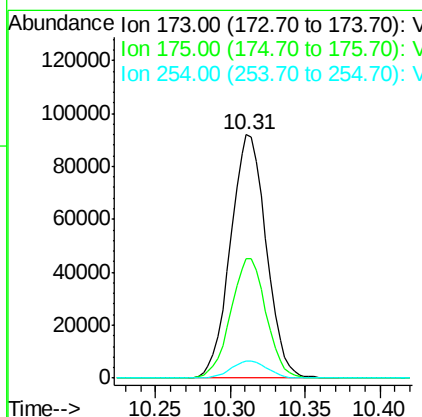
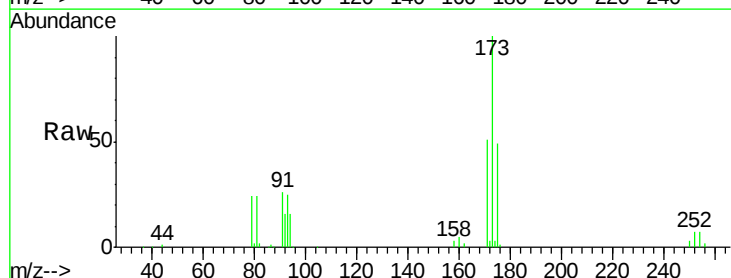
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

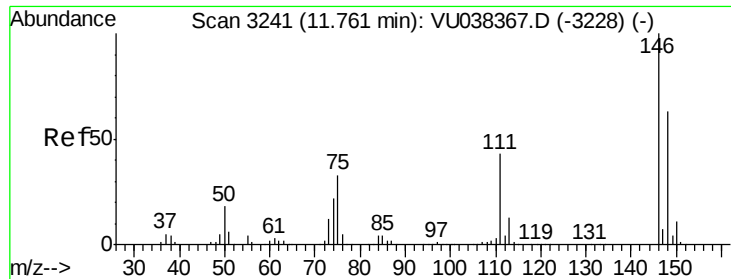
Tgt Ion: 75 Resp: 292173
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.8



#61
 Bromoform
 Concen: 49.13 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

Tgt Ion: 173 Resp: 153146
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 7.1 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 48.42 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

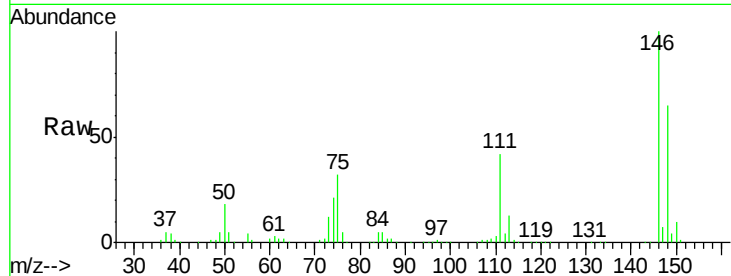
Tgt Ion:146 Resp: 439245

Ion Ratio Lower Upper

146 100

111 41.6 29.4 54.6

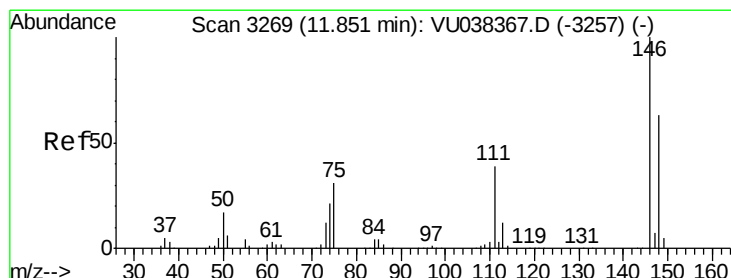
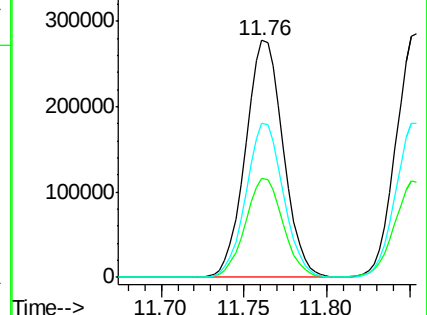
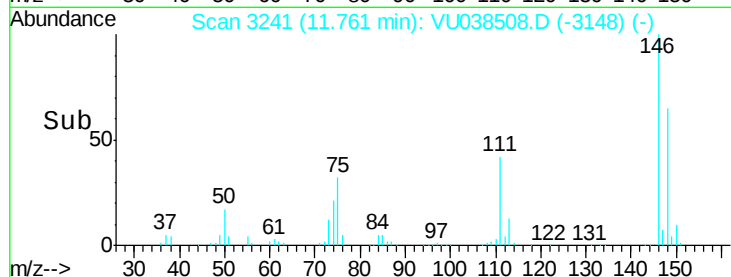
148 64.9 45.8 85.0



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: 48.21 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

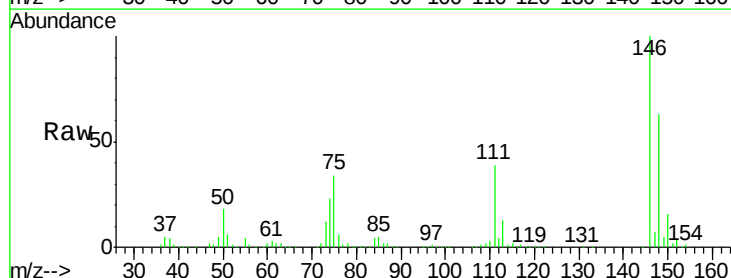
Tgt Ion:146 Resp: 444474

Ion Ratio Lower Upper

146 100

111 39.3 27.7 51.5

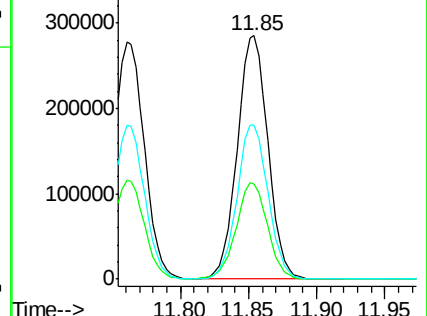
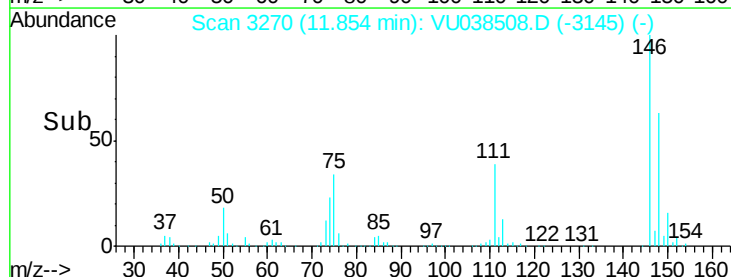
148 63.3 44.7 83.1

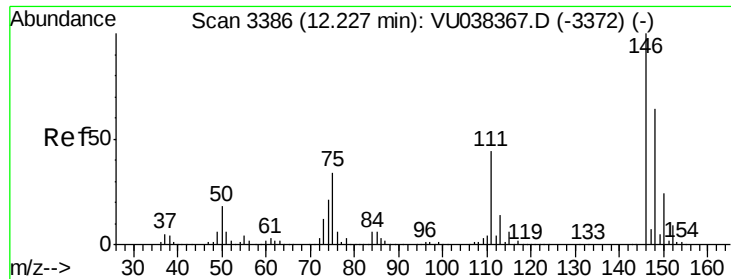


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

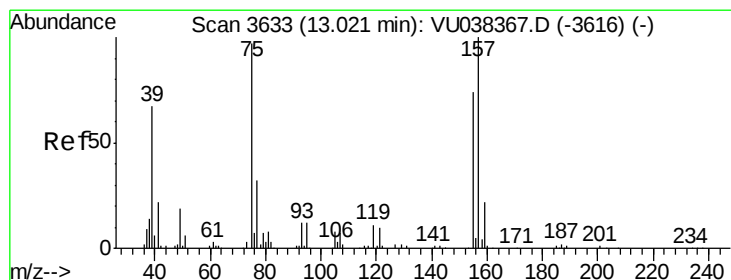
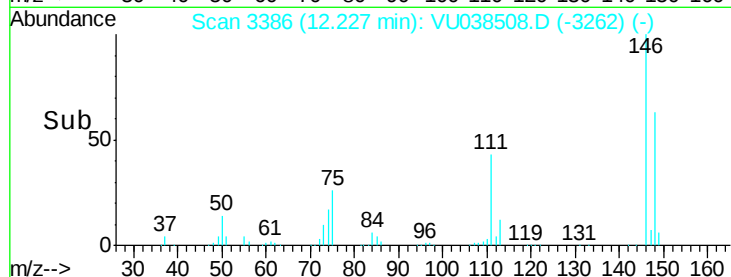
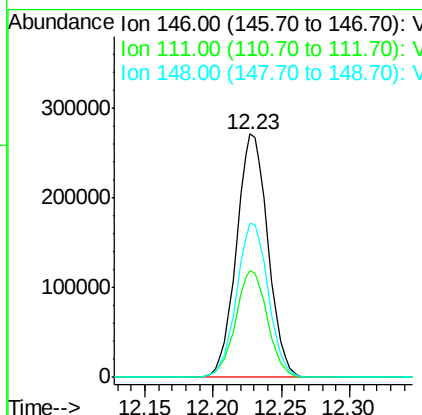
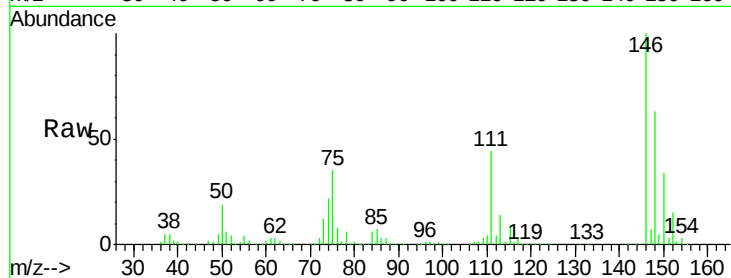




#65
 1,2-Dichlorobenzene
 Concen: 48.13 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

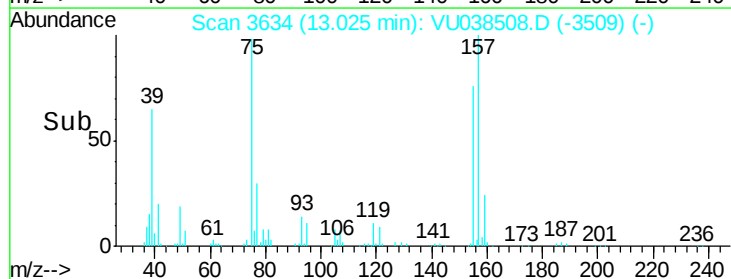
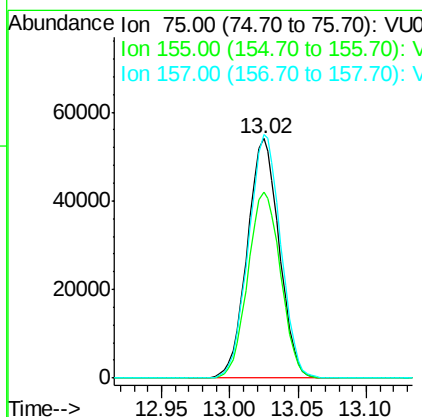
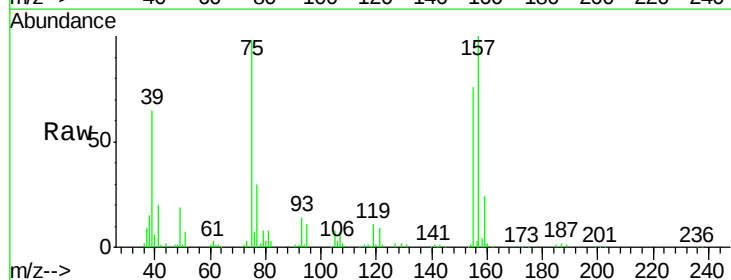
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

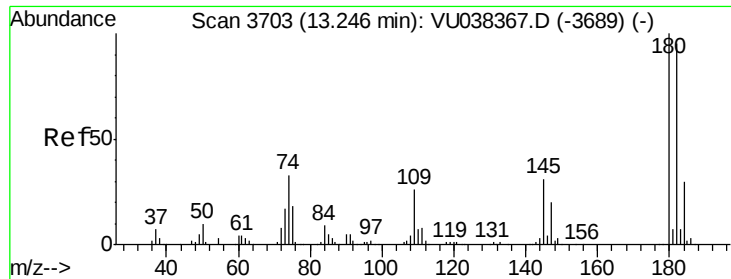
Tgt Ion: 146 Resp: 432971
 Ion Ratio Lower Upper
 146 100
 111 44.0 35.3 52.9
 148 63.1 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.64 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

Tgt Ion: 75 Resp: 87739
 Ion Ratio Lower Upper
 75 100
 155 77.8 63.1 94.7
 157 101.8 82.7 124.1

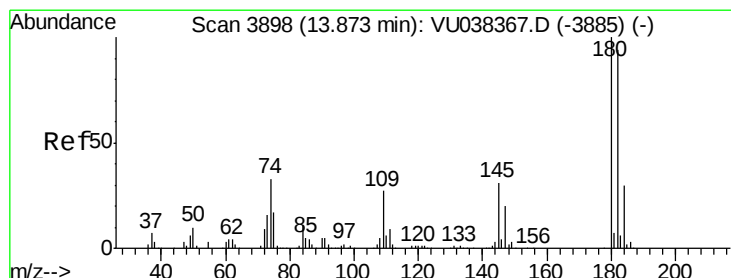
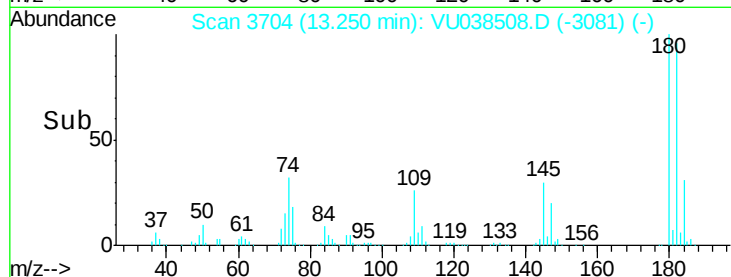
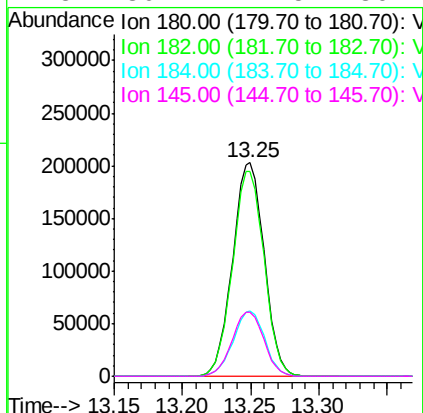
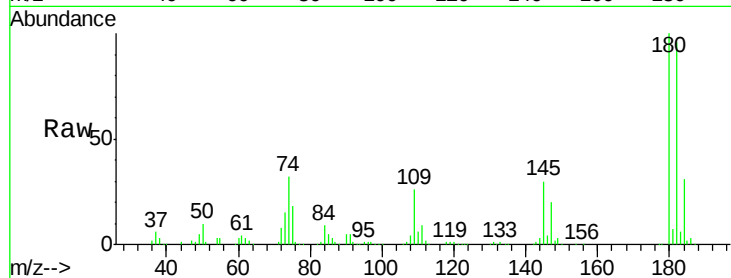




#67
 1,3,5-Trichlorobenzene
 Concen: 50.56 ug/L
 RT: 13.25 min Scan# 3704
 Delta R.T. 0.00 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

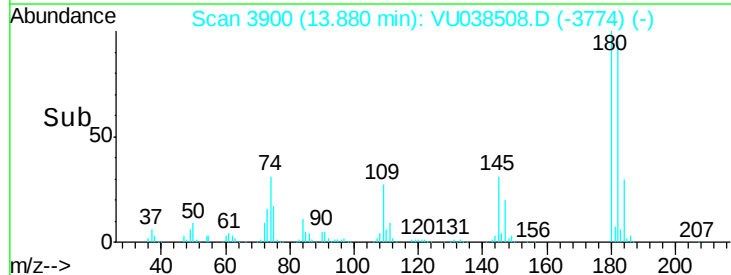
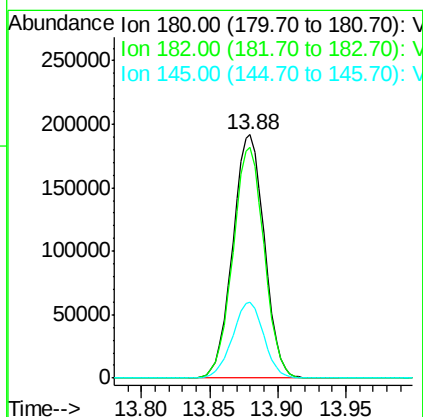
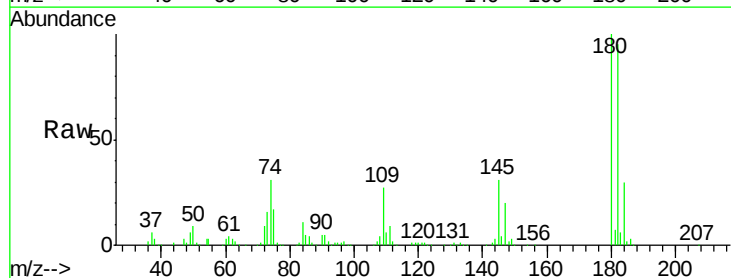
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

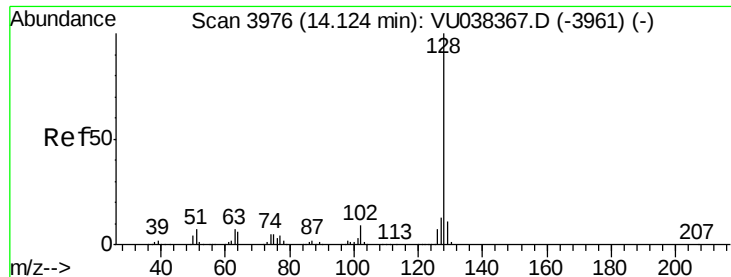
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	30.5	24.3	36.5
145	30.4	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 49.83 ug/L
 RT: 13.88 min Scan# 3900
 Delta R.T. 0.01 min
 Lab File: VU038508.D
 Acq: 03 Jun 2020 10:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.1	115.7
145	30.9	25.8	38.8





#69

Naphthalene

Concen: 49.39 ug/L

RT: 14.13 min Scan# 3977

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

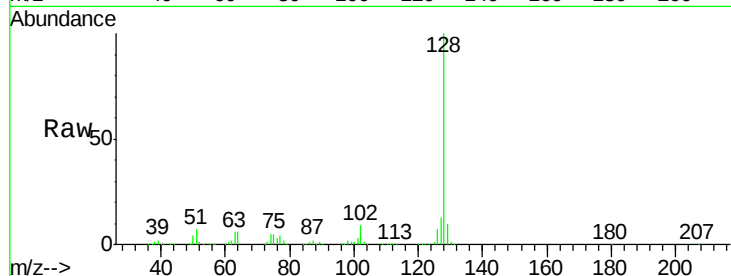
Tgt Ion:128 Resp: 1094995

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

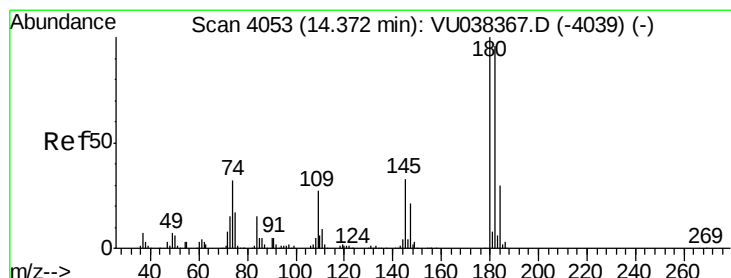
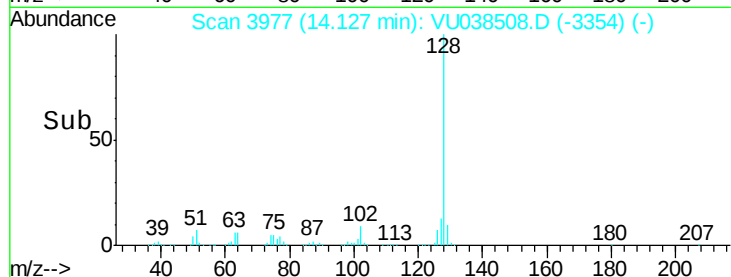
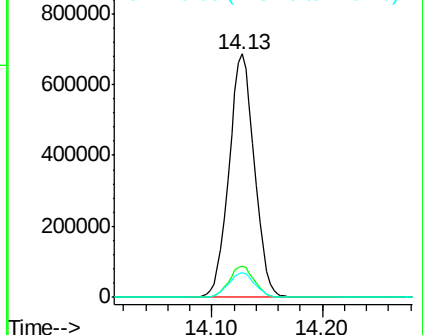
129 10.5 8.6 12.8



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: 49.51 ug/L

RT: 14.37 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VU038508.D

Acq: 03 Jun 2020 10:33

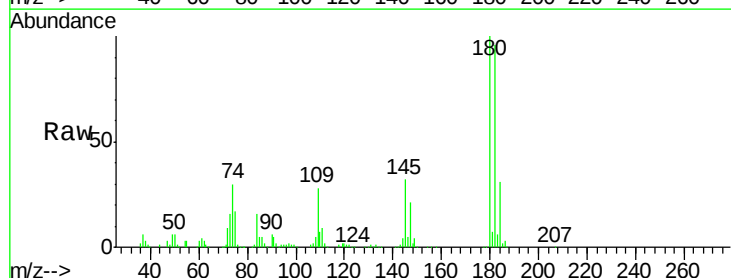
Tgt Ion:180 Resp: 306214

Ion Ratio Lower Upper

180 100

182 95.3 75.5 113.3

145 32.6 26.6 40.0



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

