

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011320\
 Data File : VU036436.D
 Acq On : 13 Jan 2020 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jan 14 16:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 13 10:10:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	475999	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	458067	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	220519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	192098	51.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.58%
7) Chloroethane-d5	1.93	69	165684	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.92%
11) 1,1-Dichloroethene-d2	2.59	63	347371	54.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.96%
21) 2-Butanone-d5	4.67	46	298952	108.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.24%
24) Chloroform-d	5.11	84	363499	56.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.30%
26) 1,2-Dichloroethane-d4	5.74	65	244687	57.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.02%
32) Benzene-d6	5.77	84	705506	55.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.64%
36) 1,2-Dichloropropane-d6	6.73	67	229252	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.20%
41) Toluene-d8	7.93	98	653594	53.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.78%
43) trans-1,3-Dichloropropene-	8.21	79	124360	53.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.18%
47) 2-Hexanone-d5	8.67	63	238229	108.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.00%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	353545	54.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	237916	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	187463	49.309 ug/L	99
3) Chloromethane	1.54	50	166790	48.217 ug/L	100
5) Vinyl chloride	1.62	62	175794	43.785 ug/L	95
6) Bromomethane	1.87	94	105943	54.602 ug/L	93
8) Chloroethane	1.95	64	107244	44.395 ug/L	99
9) Trichlorofluoromethane	2.16	101	270830	47.981 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	157542	56.381 ug/L	99
12) 1,1-Dichloroethene	2.60	96	140260	50.921 ug/L	81
13) Acetone	2.66	43	242990	84.819 ug/L	98
14) Carbon disulfide	2.82	76	361536	42.415 ug/L	100
15) Methyl Acetate	2.98	43	203537	52.835 ug/L	97
16) Methylene chloride	3.08	84	174054	51.621 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	154477	51.948 ug/L	98
18) Methyl tert-butyl Ether	3.41	73	576498	53.367 ug/L	100
19) 1,1-Dichloroethane	3.91	63	313061	52.521 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	188467	52.397 ug/L #	93
22) 2-Butanone	4.75	43	323698	95.647 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011320\
 Data File : VU036436.D
 Acq On : 13 Jan 2020 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jan 14 16:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 13 10:10:32 2020
 Response via : Initial Calibration

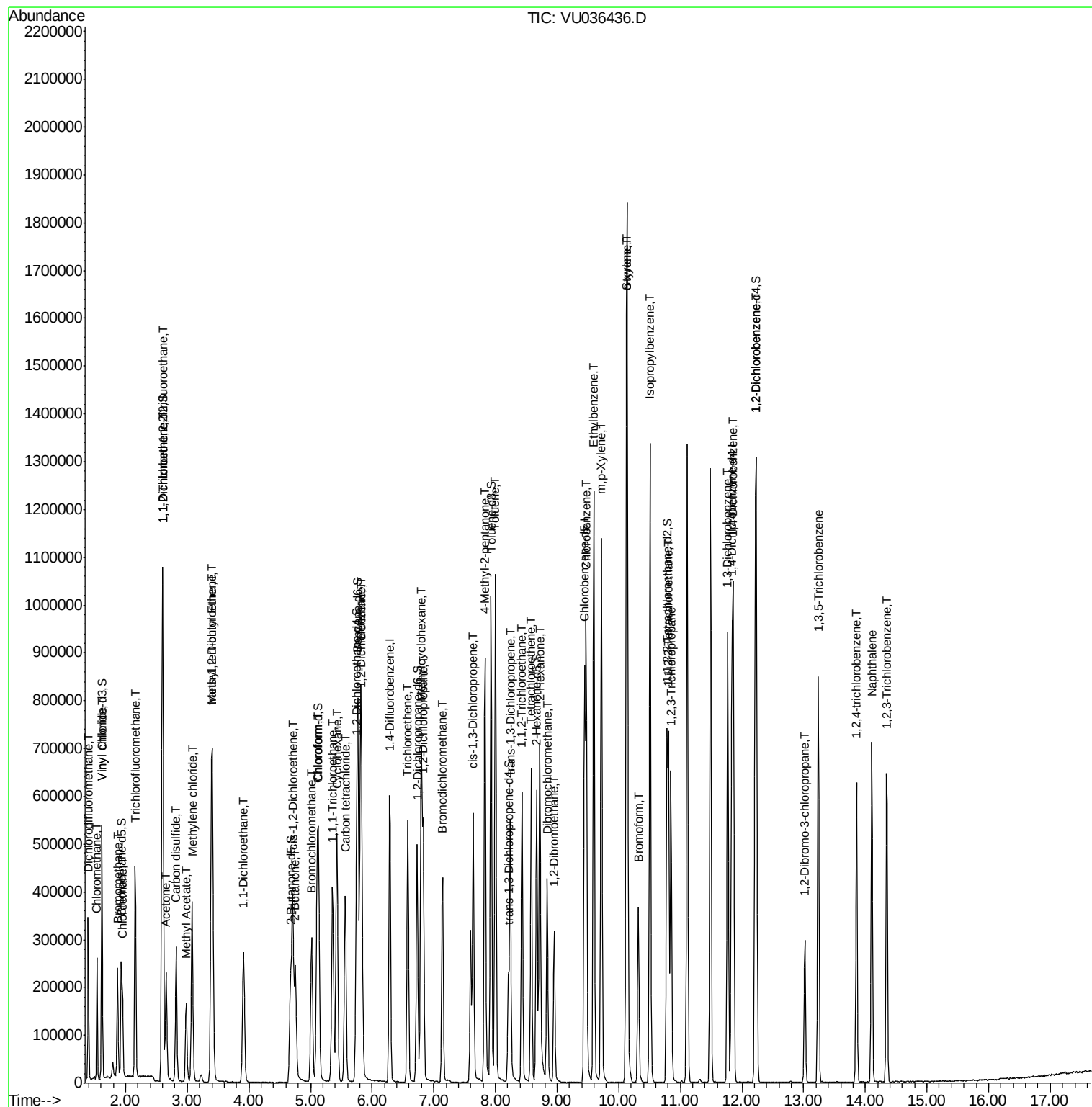
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	91285	52.868	ug/L	95
25) Chloroform	5.13	83	340598	53.628	ug/L	98
27) 1,2-Dichloroethane	5.83	62	260070	52.973	ug/L	97
29) Cyclohexane	5.43	56	270489	50.964	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	297996	53.079	ug/L	99
31) Carbon tetrachloride	5.56	117	255617	52.525	ug/L	99
33) Benzene	5.81	78	693715	51.555	ug/L	100
34) Trichloroethene	6.58	95	184138	53.081	ug/L	97
35) Methylcyclohexane	6.80	83	285032	51.477	ug/L	99
37) 1,2-Dichloropropane	6.83	63	190350	52.241	ug/L #	95
38) Bromodichloromethane	7.14	83	271421	52.802	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	303832	49.810	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	598982	96.739	ug/L	99
42) Toluene	8.00	91	759855	51.282	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	297503	52.353	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	185058	54.439	ug/L	97
46) Tetrachloroethene	8.58	164	128361	51.427	ug/L	97
48) 2-Hexanone	8.72	43	457264	95.979	ug/L	95
49) Dibromochloromethane	8.84	129	214546	51.418	ug/L	97
50) 1,2-Dibromoethane	8.95	107	206833	52.464	ug/L	94
51) Chlorobenzene	9.47	112	493493	52.767	ug/L	99
52) Ethylbenzene	9.60	91	873754	51.811	ug/L	99
53) m,p-Xylene	9.72	106	330430	52.820	ug/L	98
54) o-xylene	10.12	106	323759	51.580	ug/L	100
55) Styrene	10.14	104	543276	51.189	ug/L	100
56) Isopropylbenzene	10.51	105	869620	53.155	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	336041	52.298	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	265228	51.880	ug/L	98
61) Bromoform	10.32	173	157529	48.071	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	365087	51.232	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	370937	52.475	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	358989	50.280	ug/L	93
66) 1,2-Dibromo-3-chloropropan	13.02	75	76088	45.669	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	236906	50.064	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	170545	47.555	ug/L	98
69) Naphthalene	14.10	128	550008	44.632	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	172492	45.799	ug/L	98

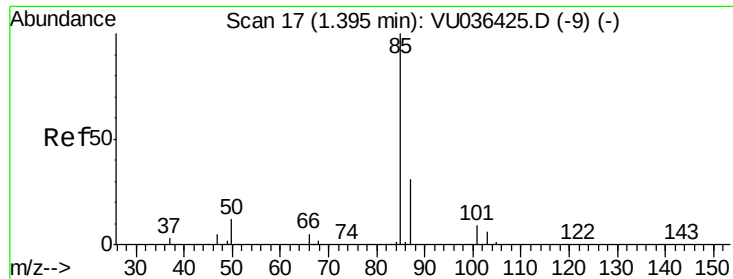
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU011320\
Data File : VU036436.D
Acq On : 13 Jan 2020 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Jan 14 16:15:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 13 10:10:32 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.309 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

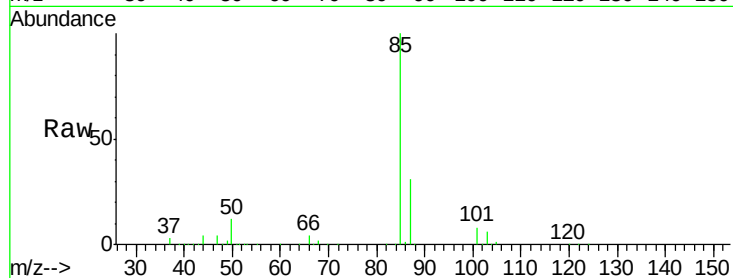
VSTD05060

Tgt Ion: 85 Resp: 187463

Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036425.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036425.D (-9) (-)

1.39

200000

150000

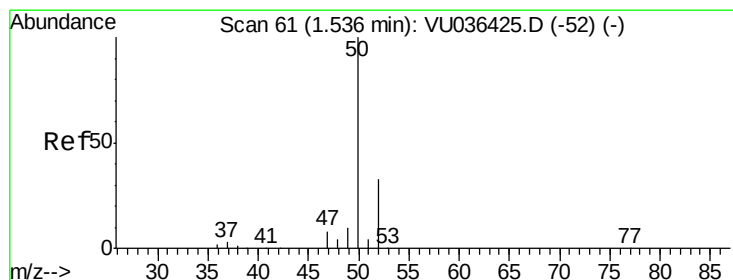
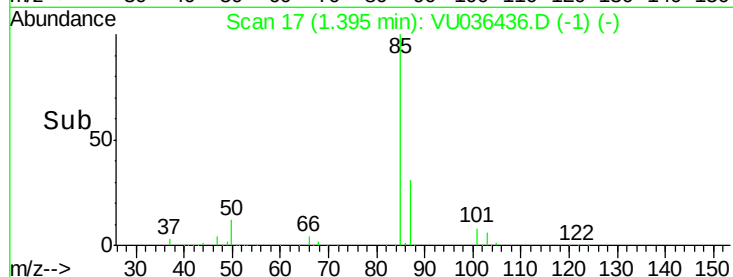
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 48.217 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036436.D

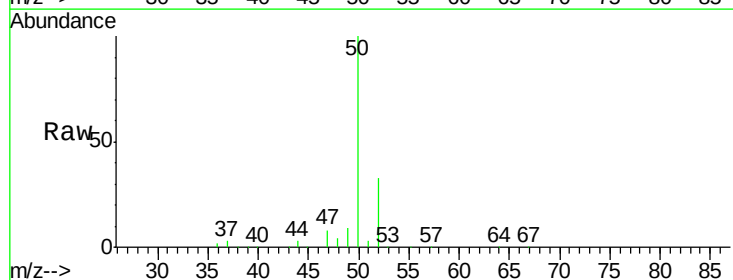
Acq: 13 Jan 2020 11:27

Tgt Ion: 50 Resp: 166790

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036425.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036425.D (-52) (-)

1.54

150000

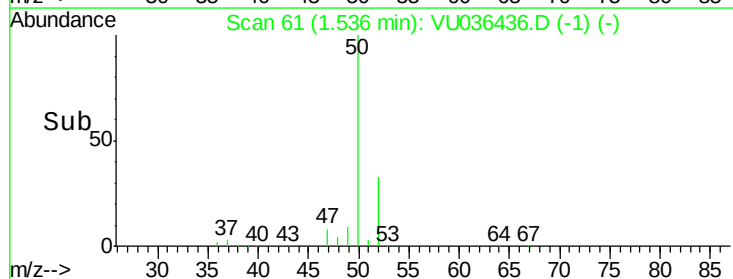
100000

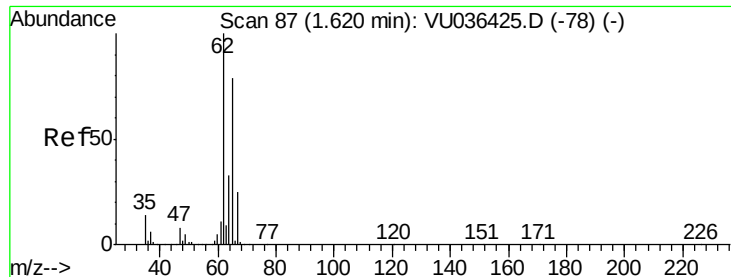
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 43.785 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

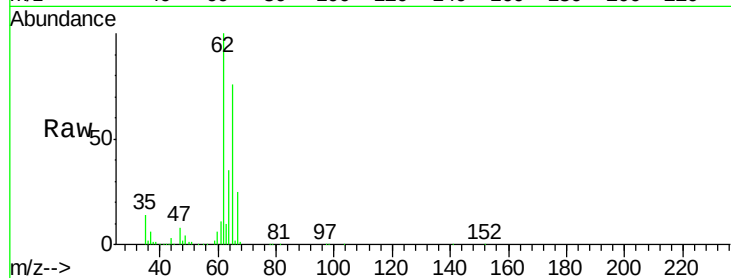
VSTD05060

Tgt Ion: 62 Resp: 175794

Ion Ratio Lower Upper

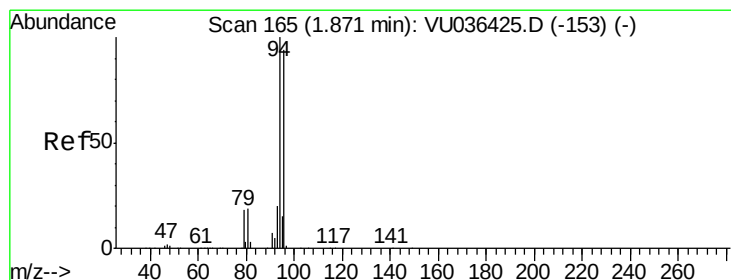
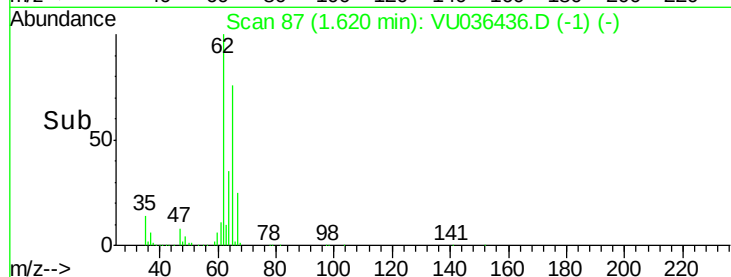
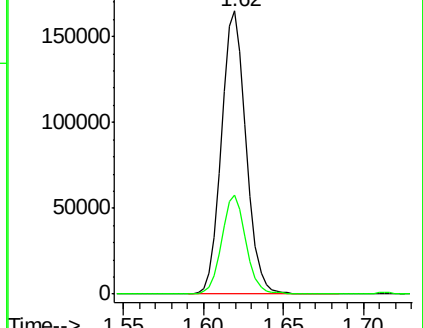
62 100

64 35.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU036425.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036425.D (-78) (-)



#6

Bromomethane

Concen: 54.602 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036436.D

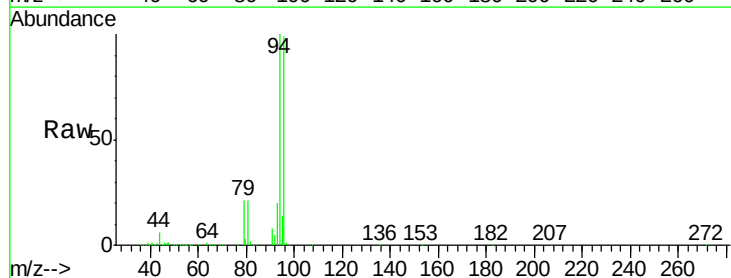
Acq: 13 Jan 2020 11:27

Tgt Ion: 94 Resp: 105943

Ion Ratio Lower Upper

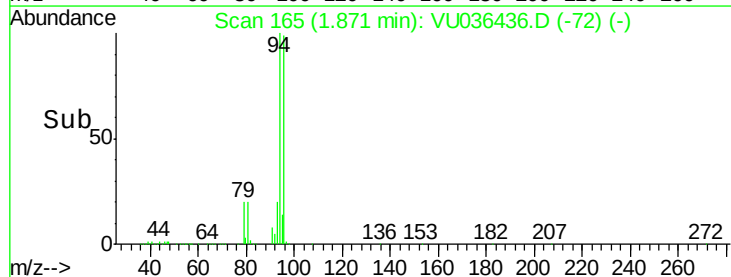
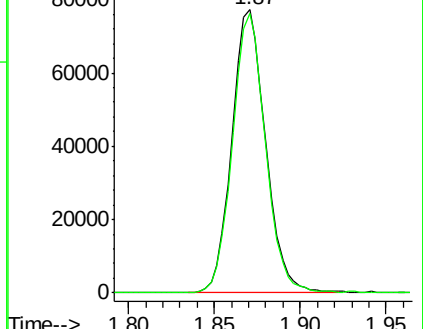
94 100

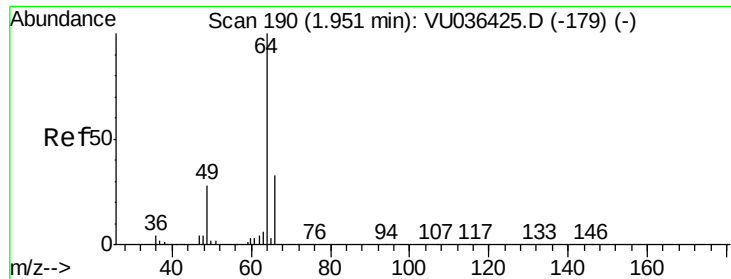
96 98.7 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU036425.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036425.D (-153) (-)

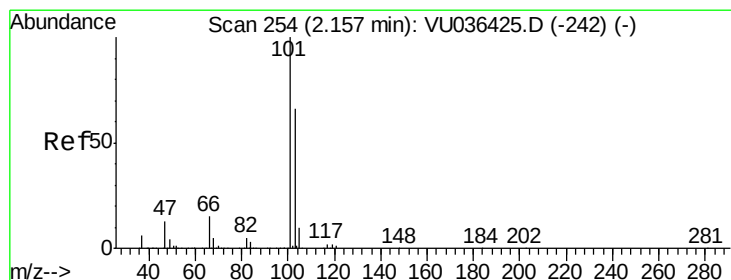
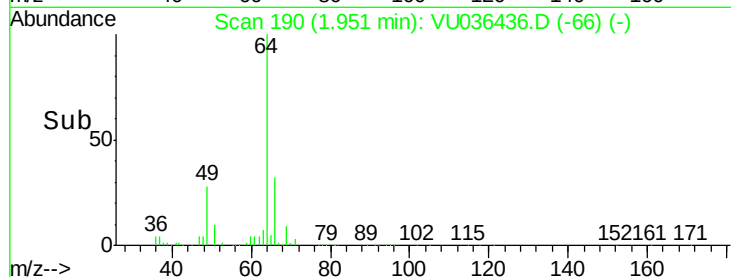
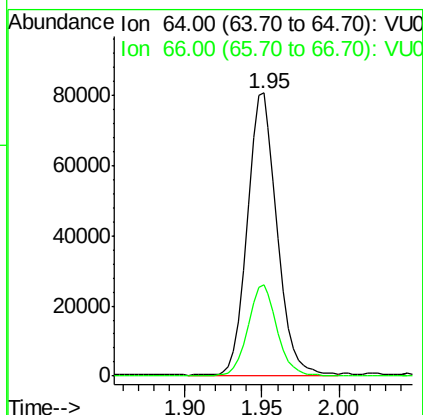
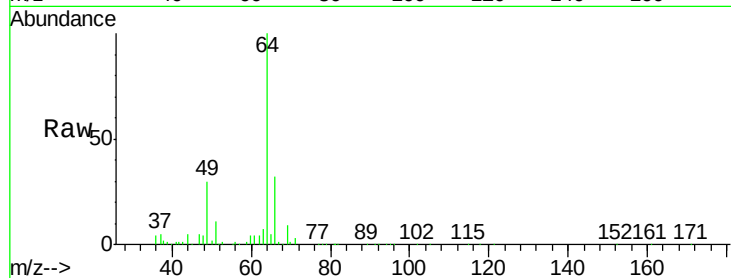




#8
Chloroethane
Concen: 44.395 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

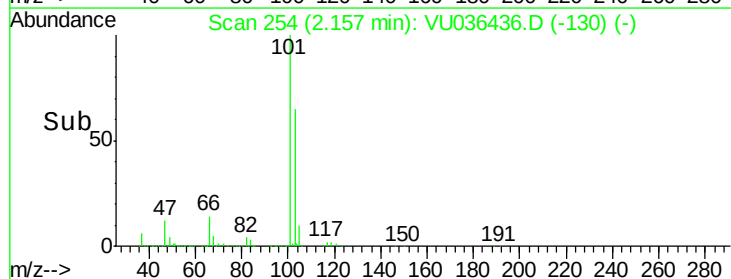
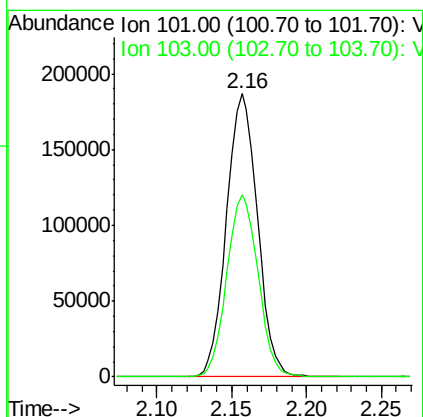
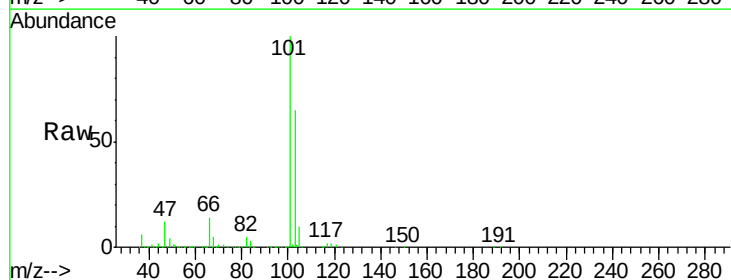
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

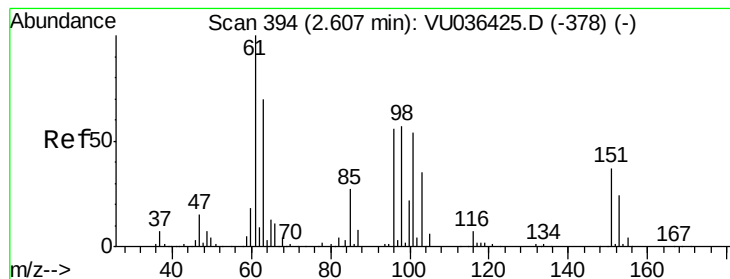
Tgt Ion: 64 Resp: 107244
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.981 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

Tgt Ion: 101 Resp: 270830
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4





#10

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

Concen: 56.381 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

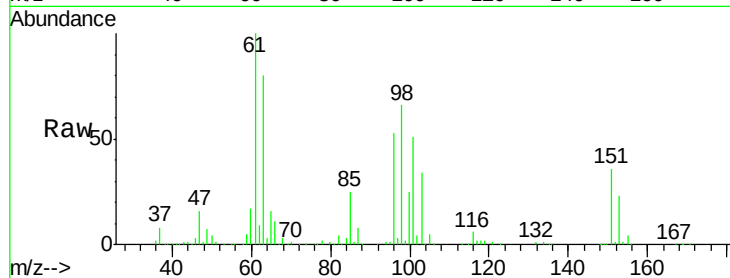
Tgt Ion: 101 Resp: 157542

Ion Ratio Lower Upper

101 100

85 46.8 37.1 55.7

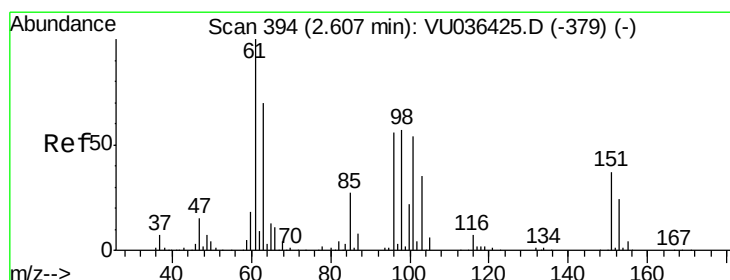
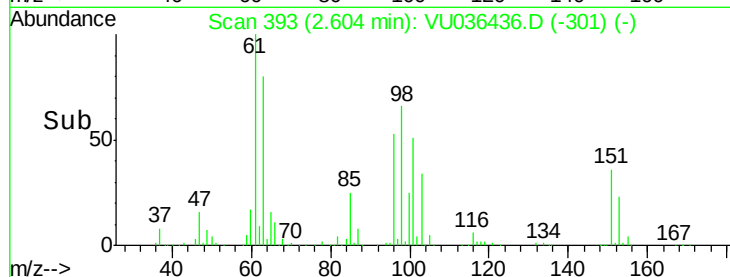
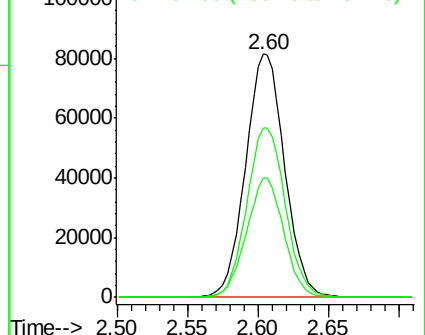
151 69.1 54.3 81.5



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: 50.921 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

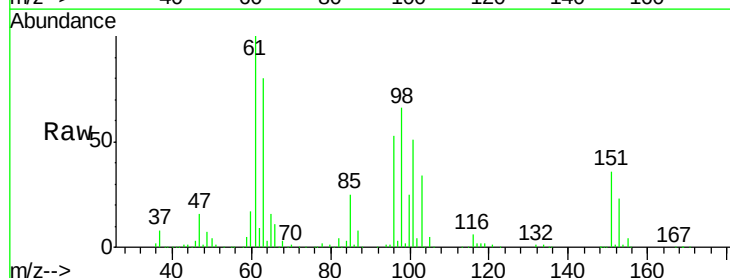
Tgt Ion: 96 Resp: 140260

Ion Ratio Lower Upper

96 100

61 188.0 120.9 224.5

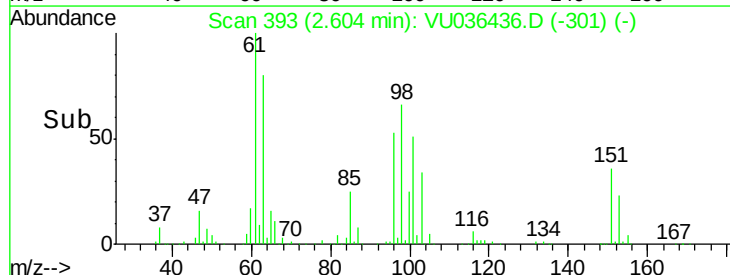
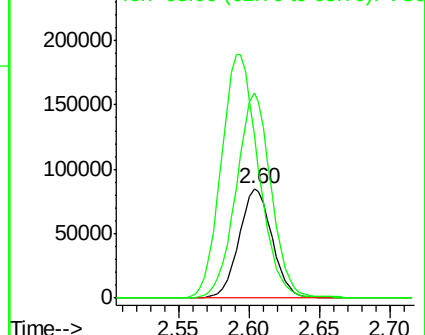
63 149.6 81.8 152.0

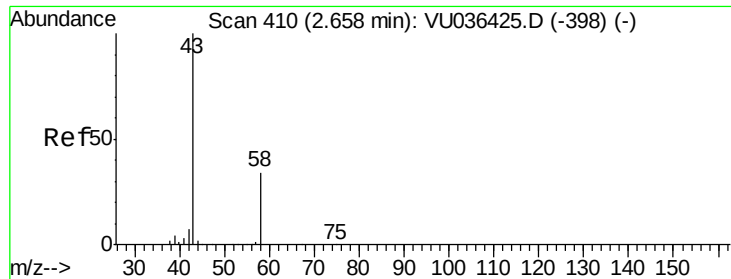


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.819 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

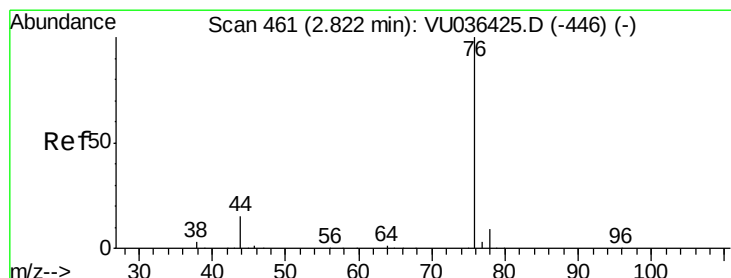
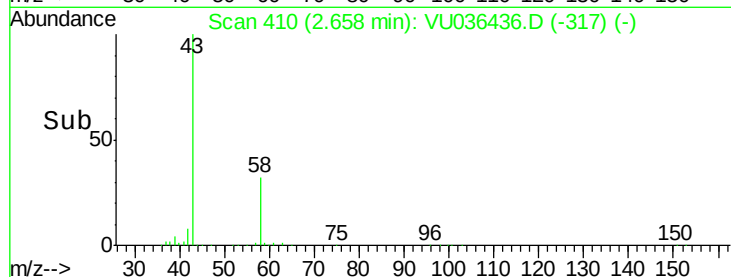
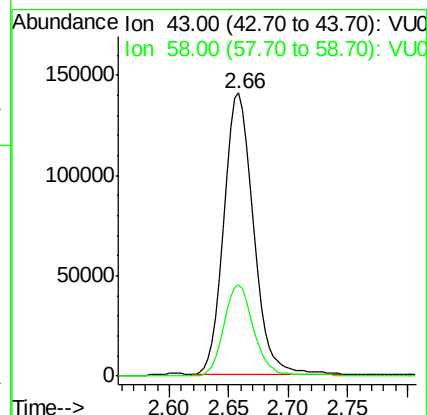
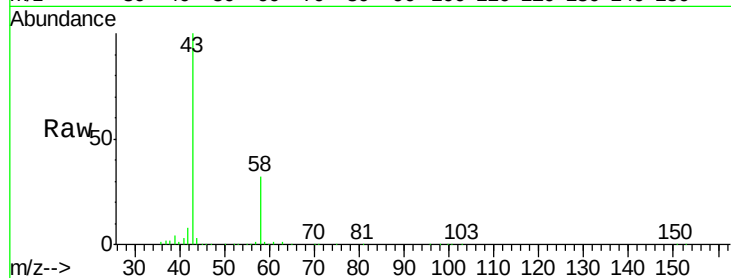
VSTD05060

Tgt Ion: 43 Resp: 242990

Ion Ratio Lower Upper

43 100

58 32.2 0.0 66.2



#14

Carbon disulfide

Concen: 42.415 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036436.D

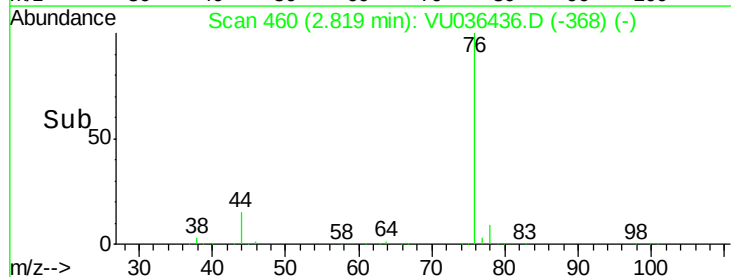
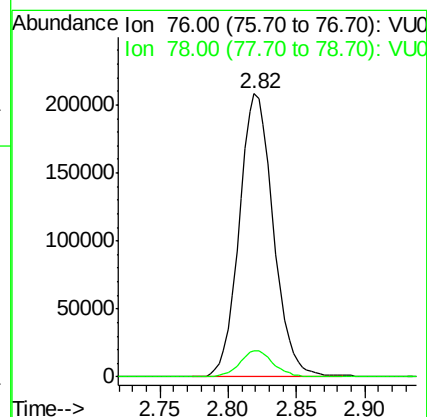
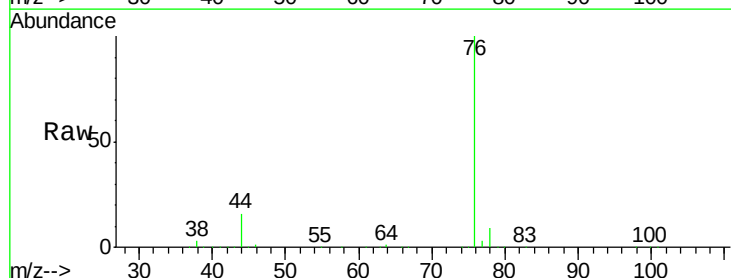
Acq: 13 Jan 2020 11:27

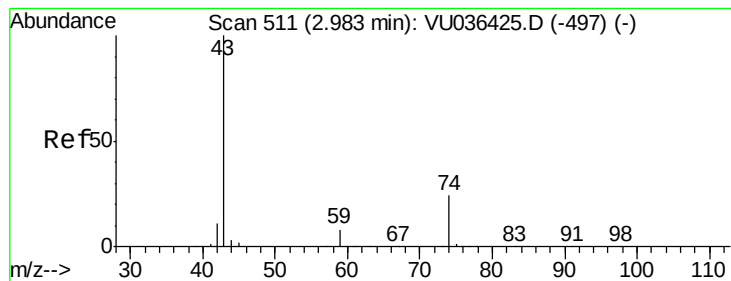
Tgt Ion: 76 Resp: 361536

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methyl Acetate

Concen: 52.835 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

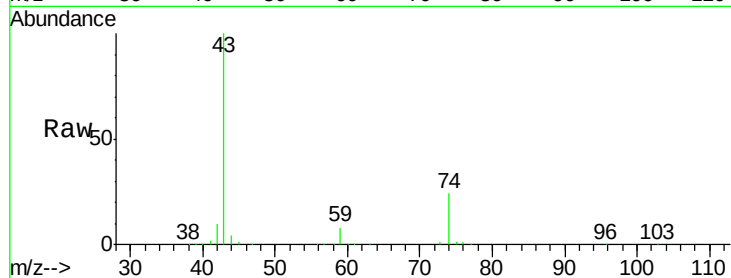
VSTD05060

Tgt Ion: 43 Resp: 203537

Ion Ratio Lower Upper

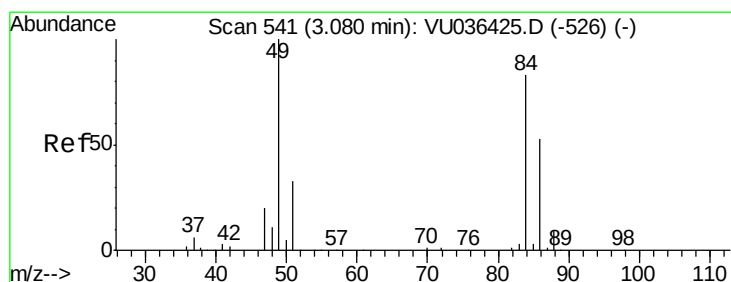
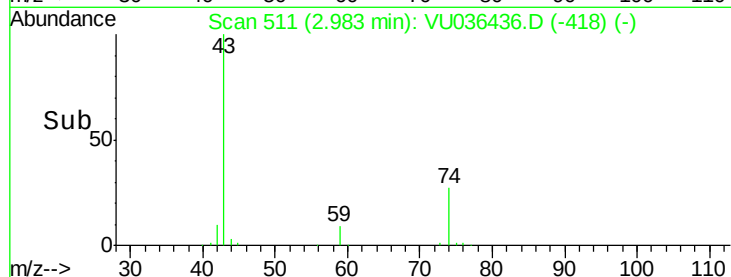
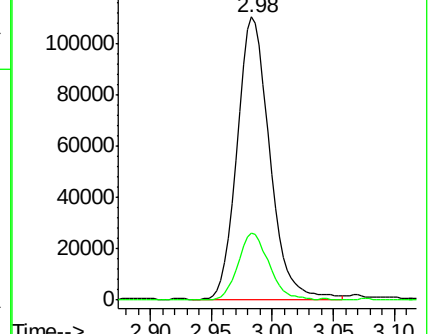
43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU036436.D (-418) (-)

Ion 74.00 (73.70 to 74.70): VU036436.D (-418) (-)



#16

Methylene chloride

Concen: 51.621 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

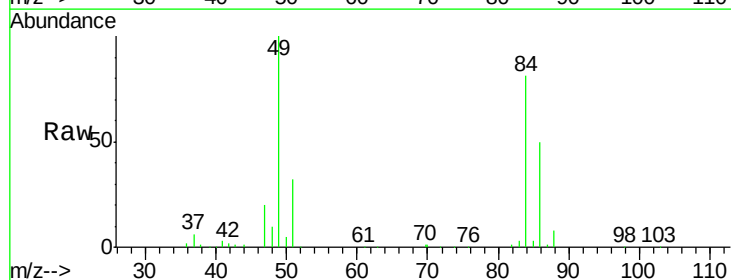
Tgt Ion: 84 Resp: 174054

Ion Ratio Lower Upper

84 100

86 62.3 44.6 82.8

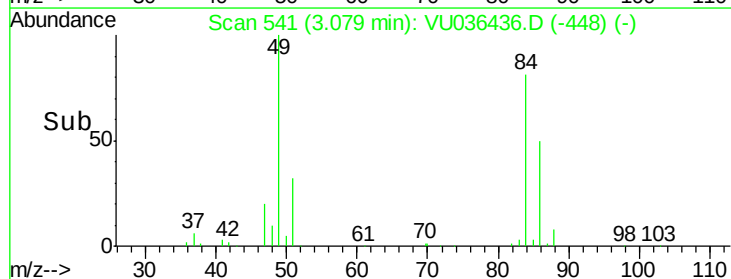
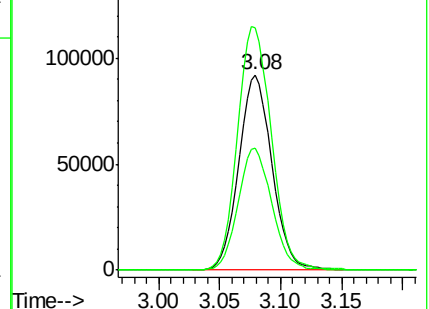
49 124.0 87.6 162.6

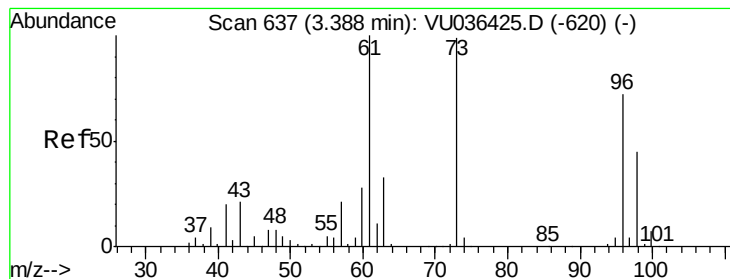


Abundance Ion 84.00 (83.70 to 84.70): VU036436.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036436.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036436.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 51.948 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

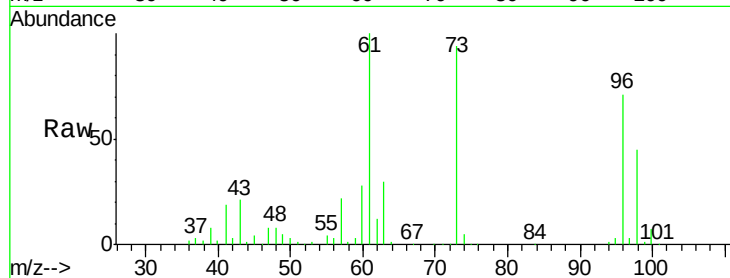
Tgt Ion: 96 Resp: 154477

Ion Ratio Lower Upper

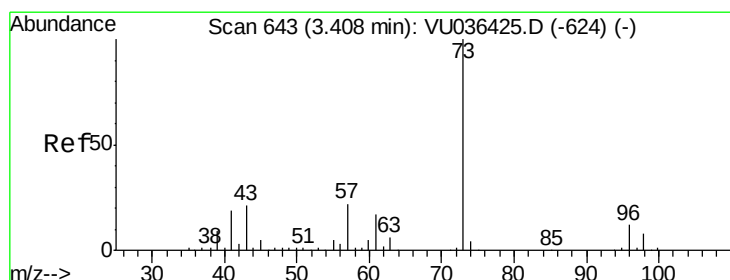
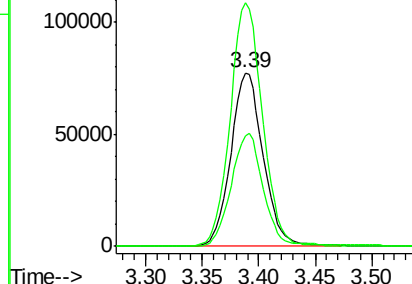
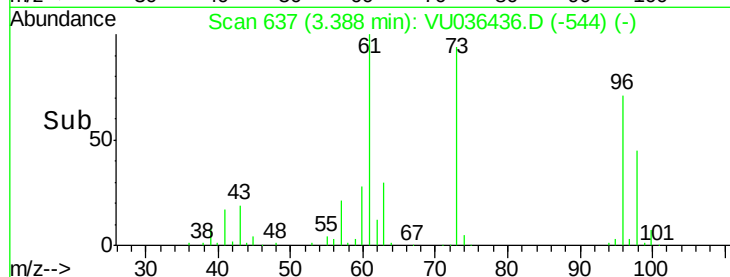
96 100

61 140.2 96.2 178.8

98 63.7 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 53.367 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

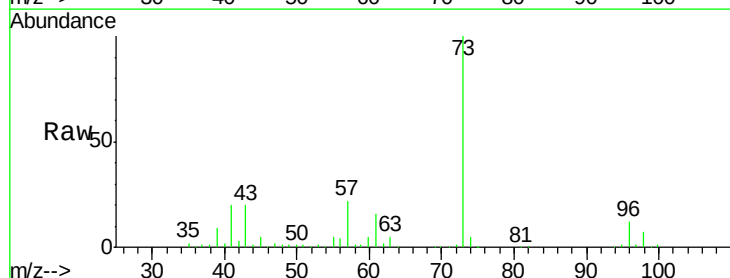
Tgt Ion: 73 Resp: 576498

Ion Ratio Lower Upper

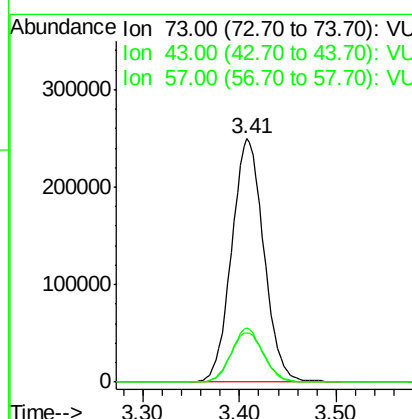
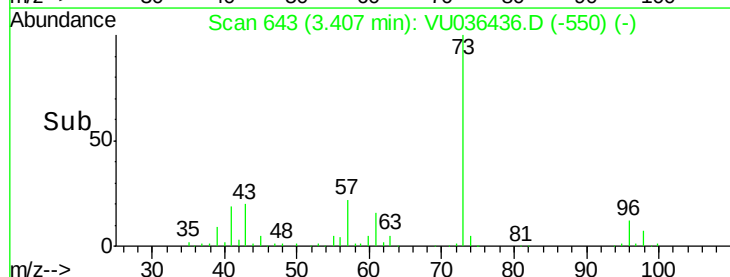
73 100

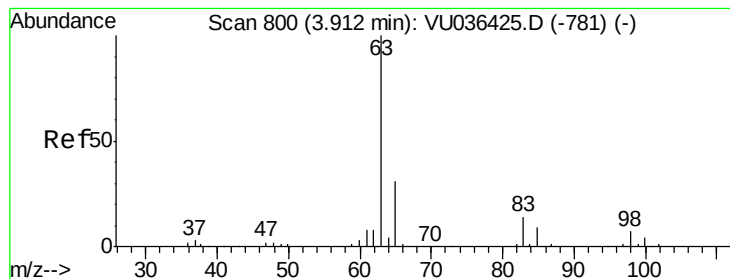
43 20.5 16.3 24.5

57 22.0 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.521 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

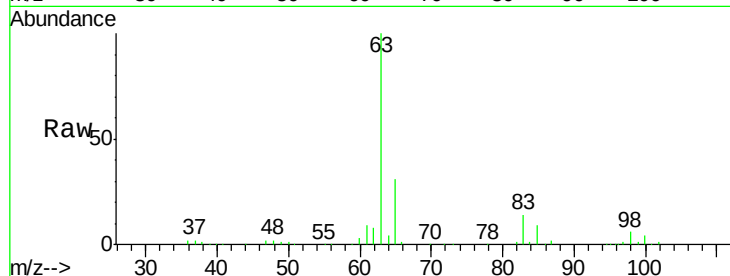
Tgt Ion: 63 Resp: 313061

Ion Ratio Lower Upper

63 100

65 30.6 20.0 37.2

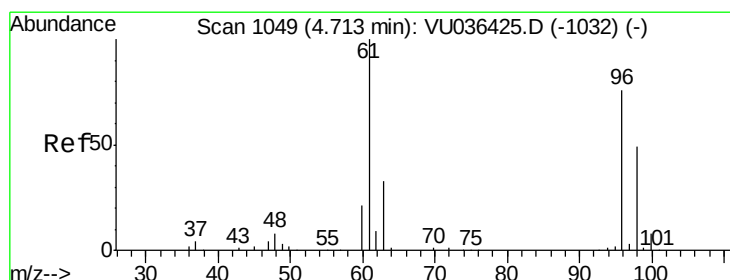
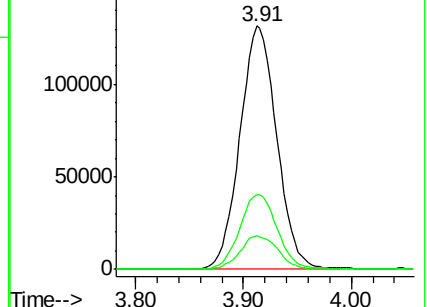
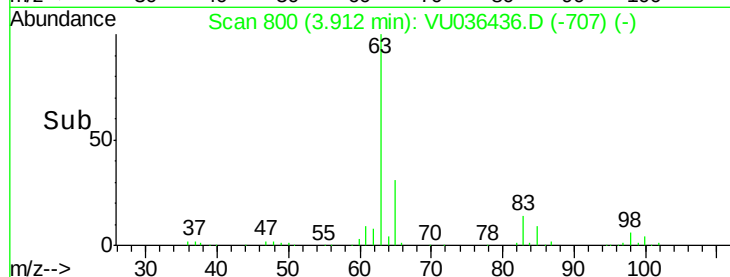
83 13.6 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU036436.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036436.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036436.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.397 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

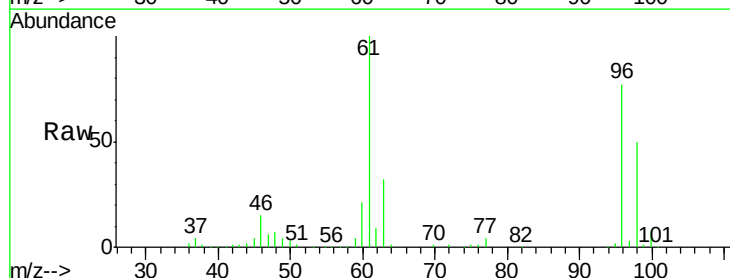
Tgt Ion: 96 Resp: 188467

Ion Ratio Lower Upper

96 100

61 129.7 85.1 158.1

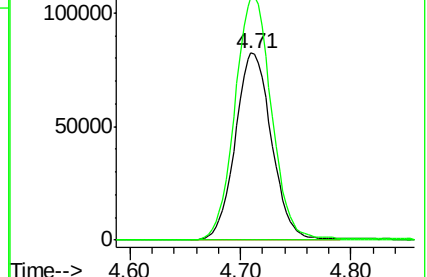
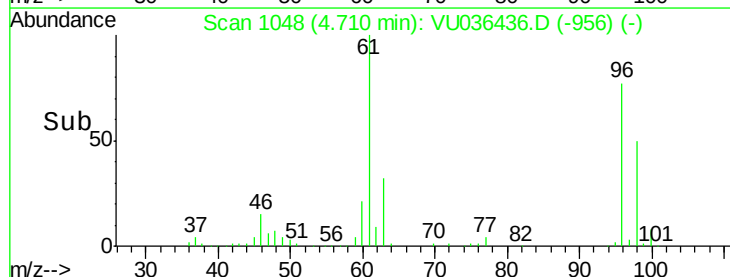
68 0.0 0.1 0.3#

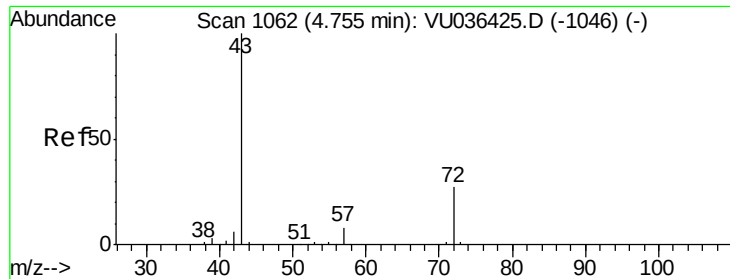


Abundance Ion 96.00 (95.70 to 96.70): VU036436.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036436.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036436.D (-956) (-)





#22

2-Butanone

Concen: 95.647 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

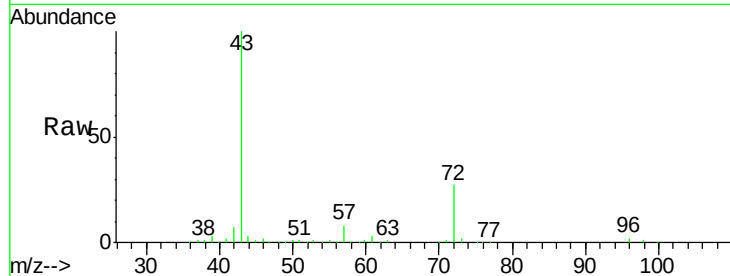
VSTD05060

Tgt Ion: 43 Resp: 323698

Ion Ratio Lower Upper

43 100

72 27.6 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036436.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036436.D (-969) (-)

4.75

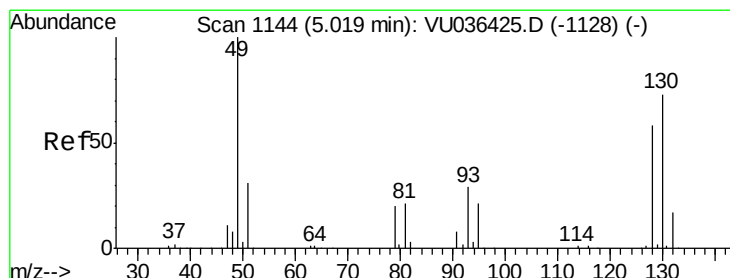
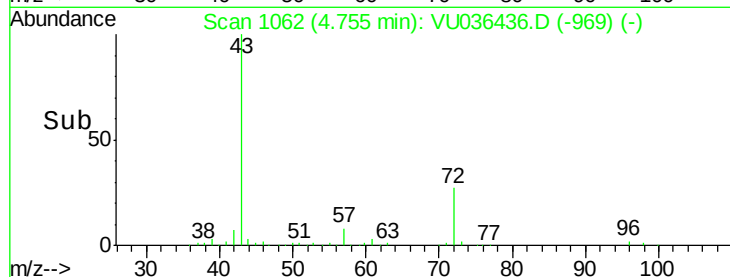
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 52.868 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Tgt Ion: 128 Resp: 91285

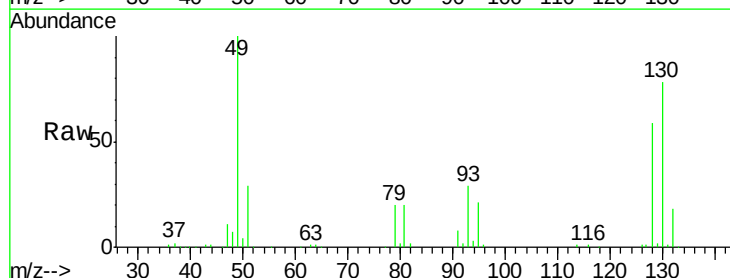
Ion Ratio Lower Upper

128 100

49 170.6 115.0 213.6

130 133.1 89.1 165.5

51 49.5 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036436.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036436.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036436.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036436.D (-1051) (-)

5.02

100000

80000

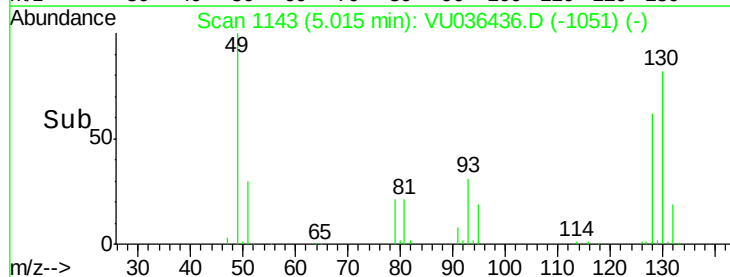
60000

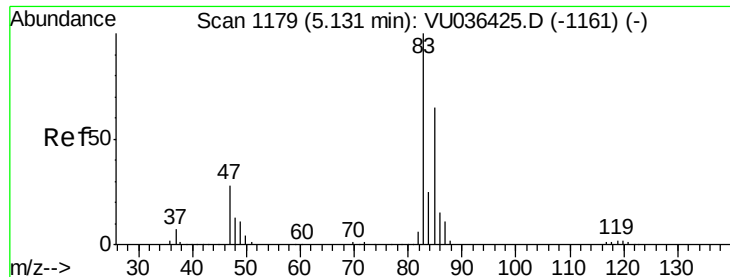
40000

20000

0

Time-->

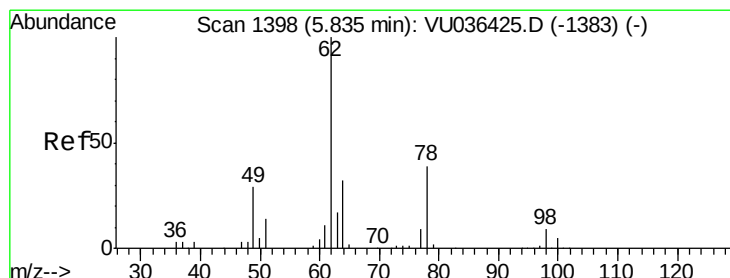
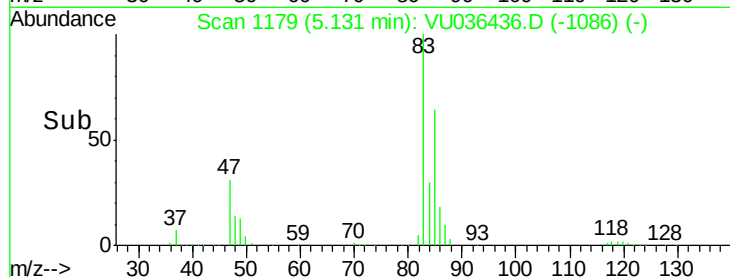
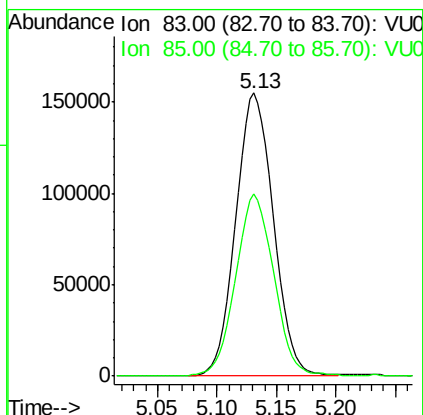
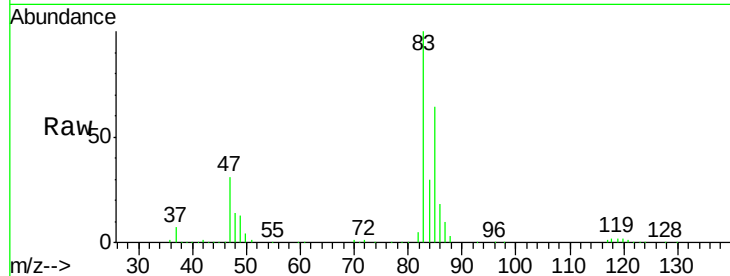




#25
Chloroform
Concen: 53.628 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

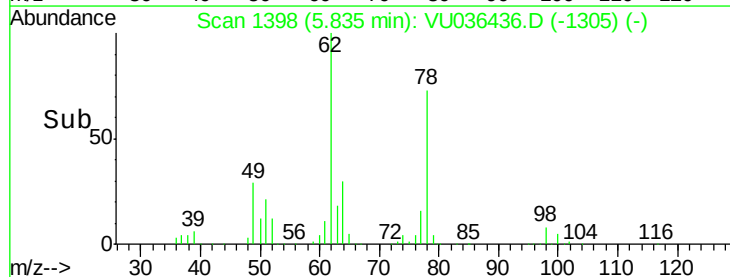
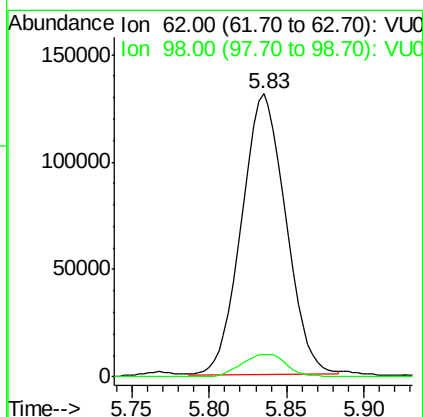
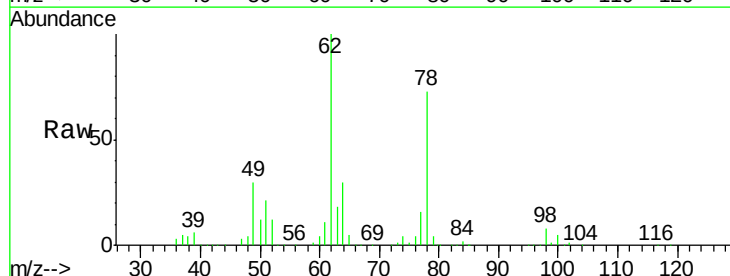
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

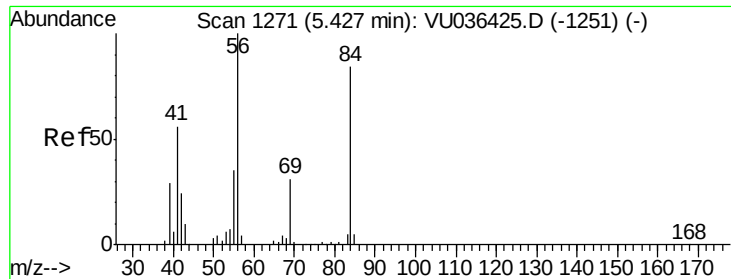
Tgt Ion: 83 Resp: 340598
Ion Ratio Lower Upper
83 100
85 64.4 43.9 81.5



#27
1,2-Dichloroethane
Concen: 52.973 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

Tgt Ion: 62 Resp: 260070
Ion Ratio Lower Upper
62 100
98 8.0 7.3 10.9

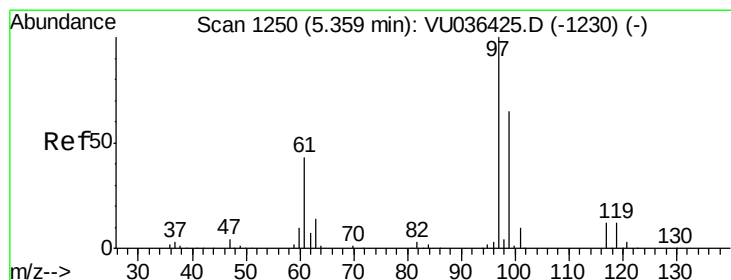
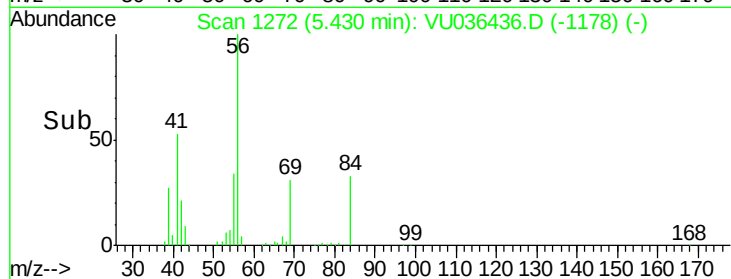
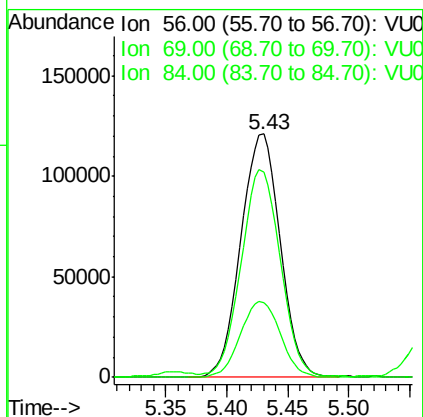
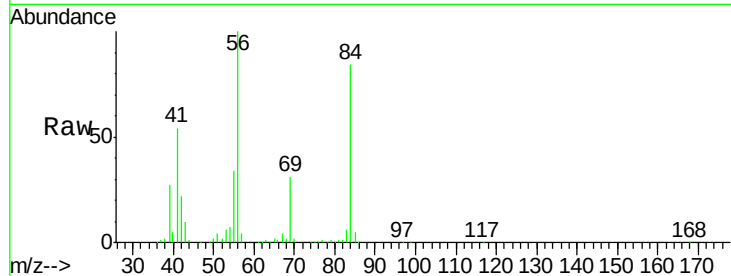




#29
Cyclohexane
Concen: 50.964 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

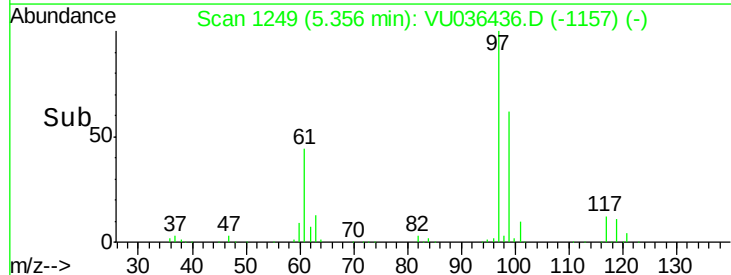
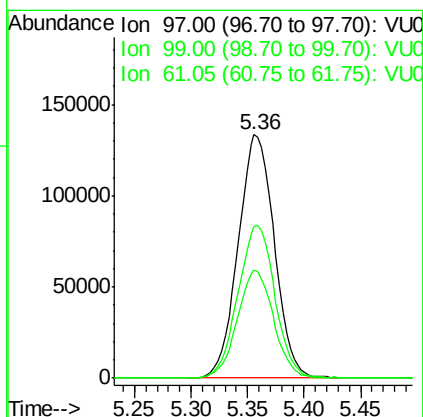
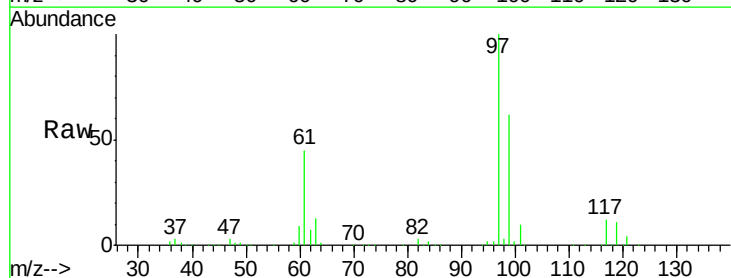
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

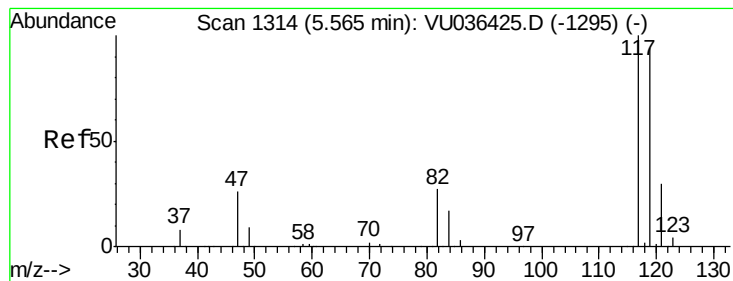
Tgt Ion: 56 Resp: 270489
Ion Ratio Lower Upper
56 100
69 31.8 24.8 37.2
84 84.9 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 53.079 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

Tgt Ion: 97 Resp: 297996
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 44.2 34.7 52.1





#31

Carbon tetrachloride

Concen: 52.525 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

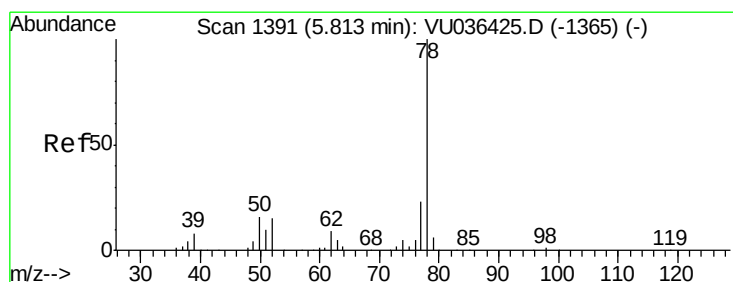
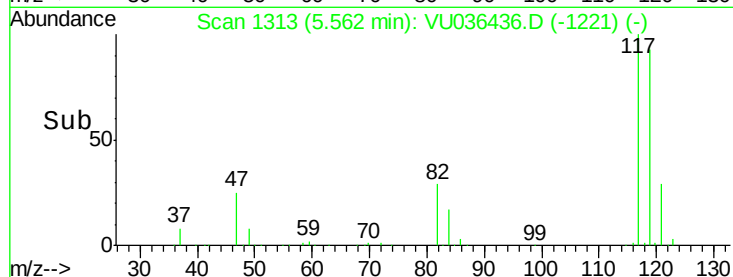
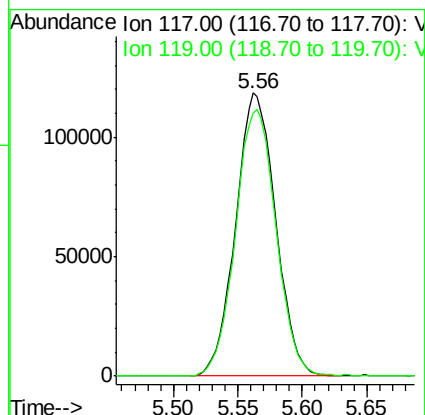
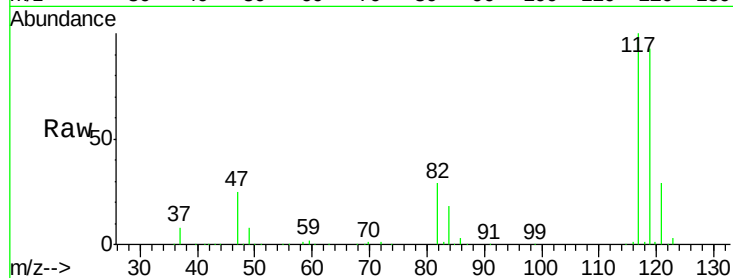
VSTD05060

Tgt Ion:117 Resp: 255617

Ion Ratio Lower Upper

117 100

119 95.6 76.0 114.0



#33

Benzene

Concen: 51.555 ug/L

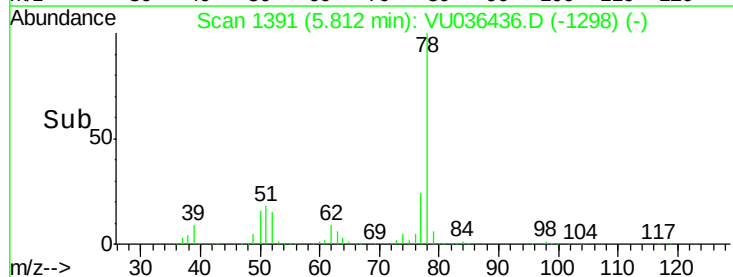
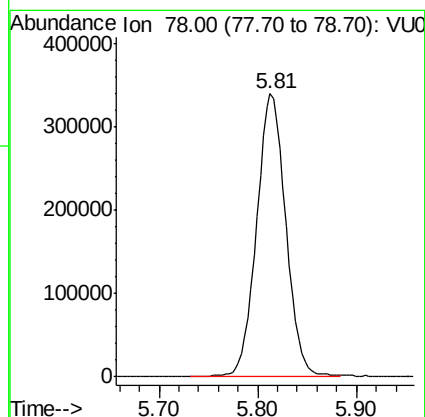
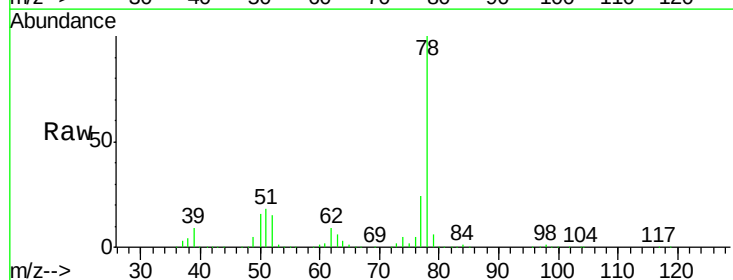
RT: 5.81 min Scan# 1391

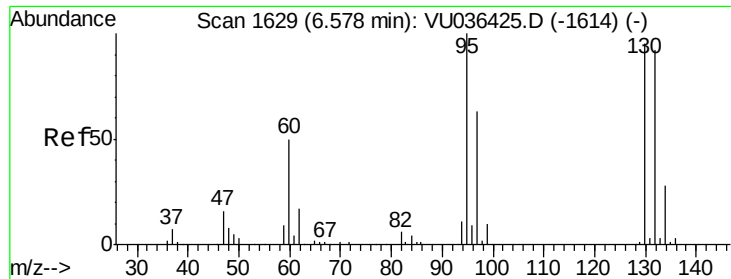
Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Tgt Ion: 78 Resp: 693715





#34

Trichloroethene

Concen: 53.081 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 95 Resp: 184138

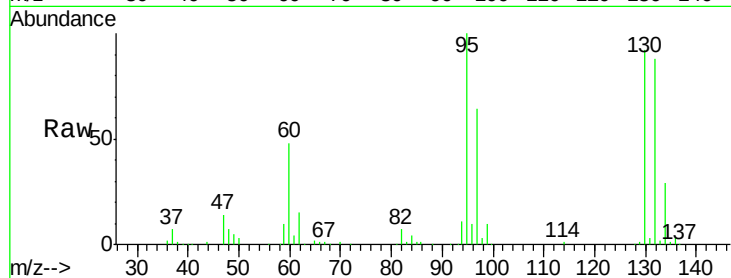
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 87.6 64.5 119.9

130 92.3 66.6 123.8



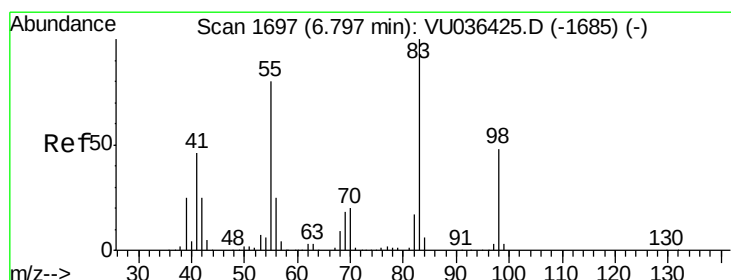
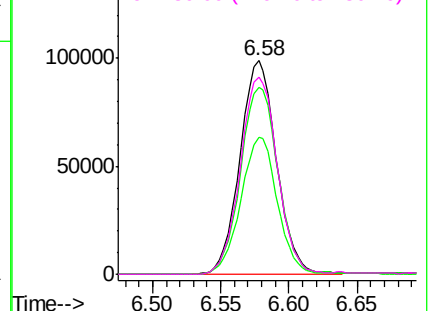
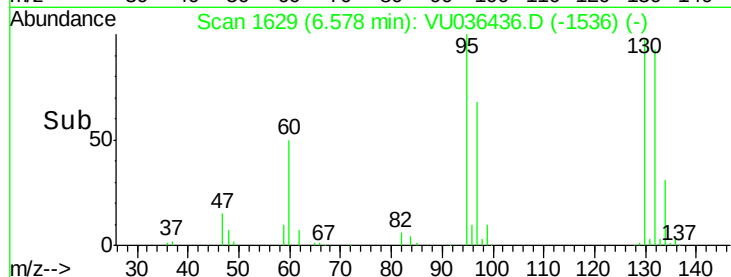
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.477 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

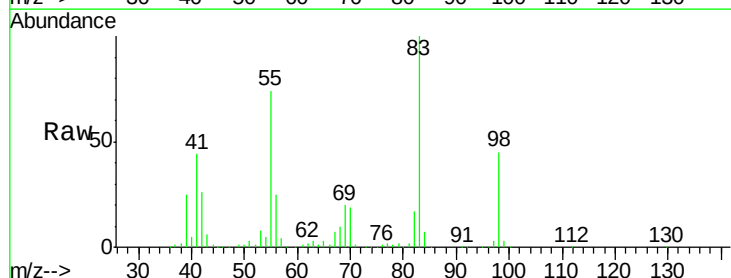
Tgt Ion: 83 Resp: 285032

Ion Ratio Lower Upper

83 100

55 74.3 60.0 90.0

98 45.4 36.2 54.4

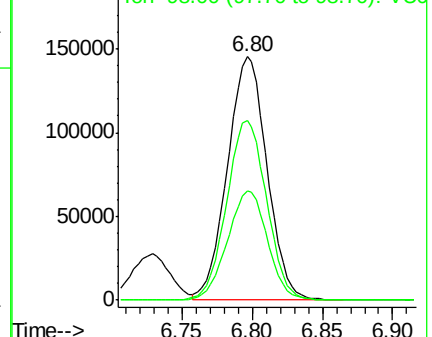
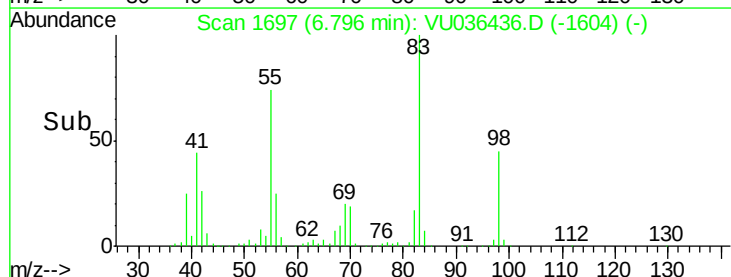


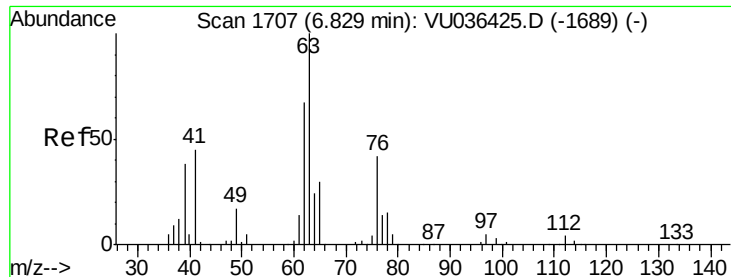
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

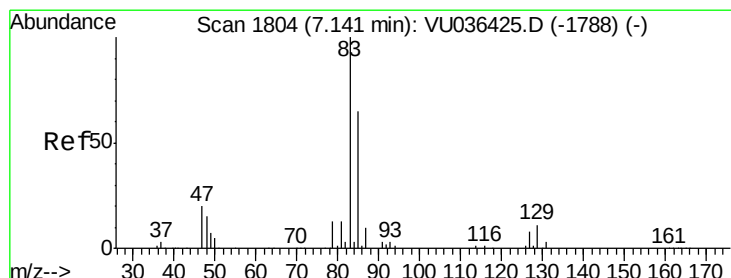
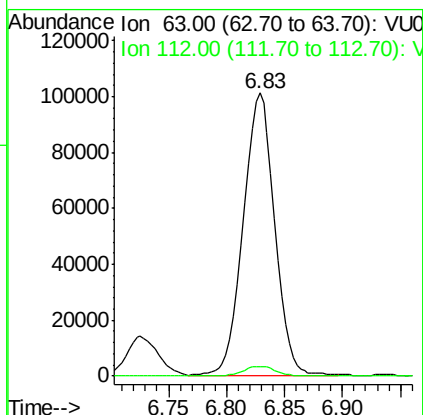
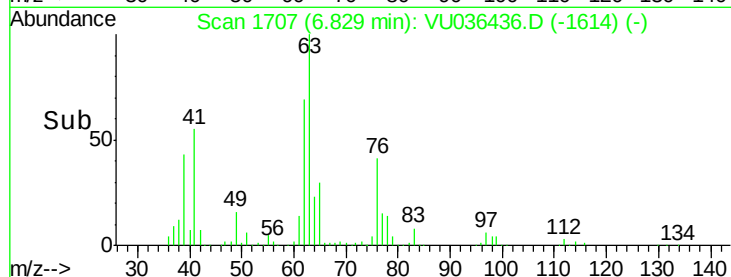
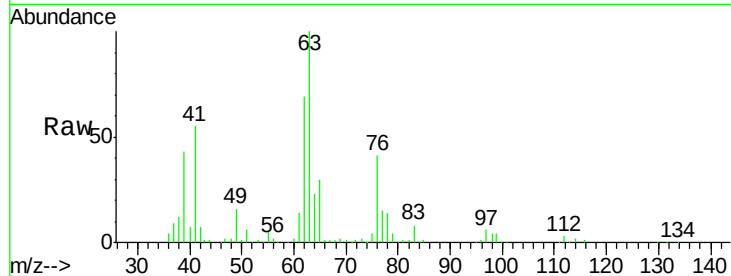




#37
 1,2-Dichloropropane
 Concen: 52.241 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

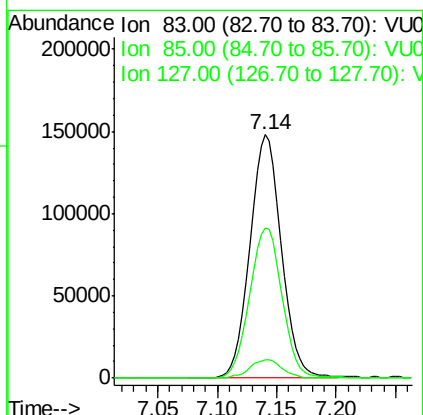
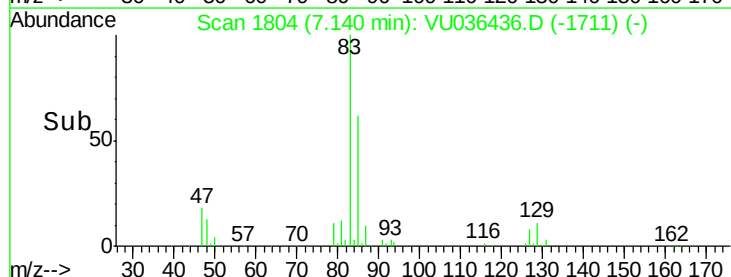
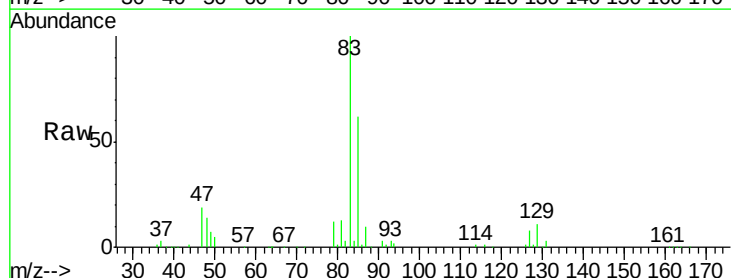
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

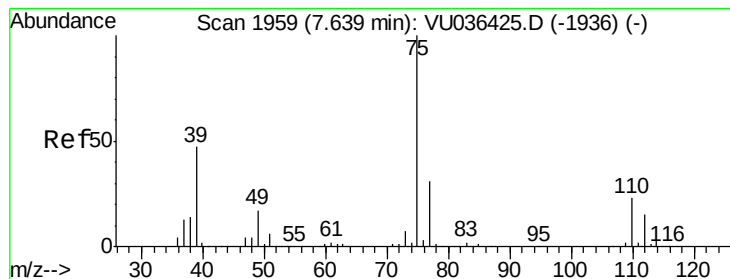
Tgt Ion: 63 Resp: 190350
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 52.802 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

Tgt Ion: 83 Resp: 271421
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.3 84.1
 127 7.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 49.810 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

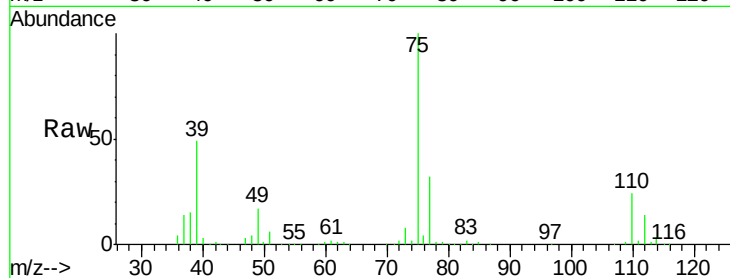
VSTD05060

Tgt Ion: 75 Resp: 303832

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU036425.D (-1936) (-)

Ion 77.00 (76.70 to 77.70): VU036425.D (-1936) (-)

7.64

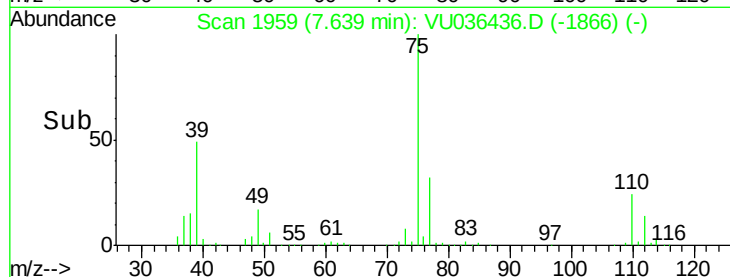
150000

100000

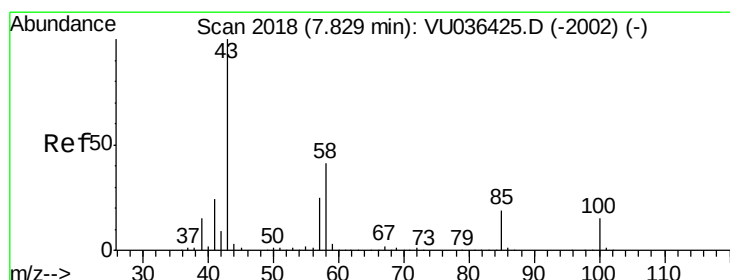
50000

0

7.60 7.65 7.70



Time-->



#40

4-Methyl-2-pentanone

Concen: 96.739 ug/L

RT: 7.83 min Scan# 2018

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

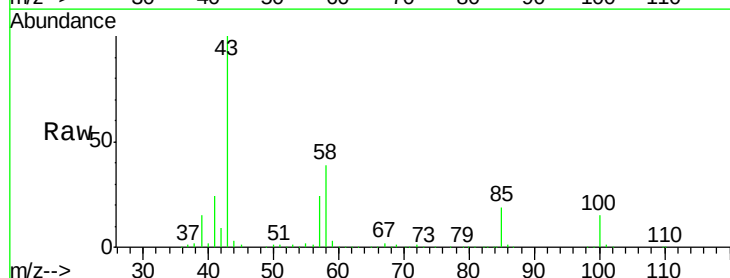
Tgt Ion: 43 Resp: 598982

Ion Ratio Lower Upper

43 100

58 39.8 31.6 47.4

100 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VU036425.D (-2002) (-)

Ion 58.00 (57.70 to 58.70): VU036425.D (-2002) (-)

Ion 100.00 (99.70 to 100.70): VU036425.D (-2002) (-)

7.83

400000

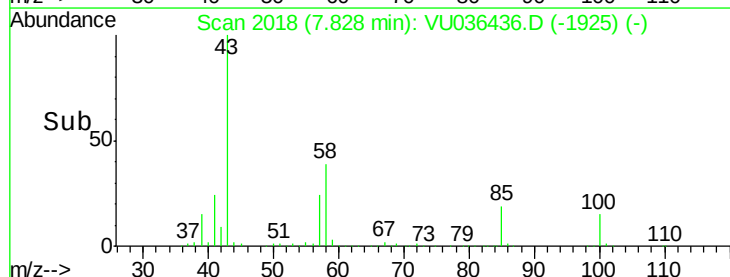
300000

200000

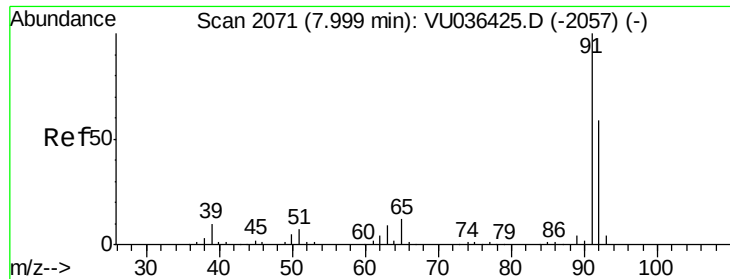
100000

0

7.75 7.80 7.85 7.90 7.95



Time-->



#42

Toluene

Concen: 51.282 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

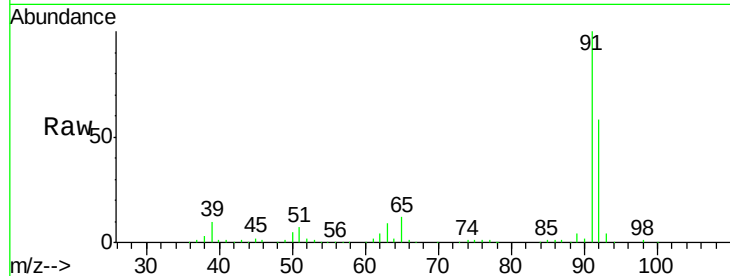
VSTD05060

Tgt Ion: 91 Resp: 759855

Ion Ratio Lower Upper

91 100

92 57.7 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU036425.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036425.D (-2057) (-)

8.00

400000

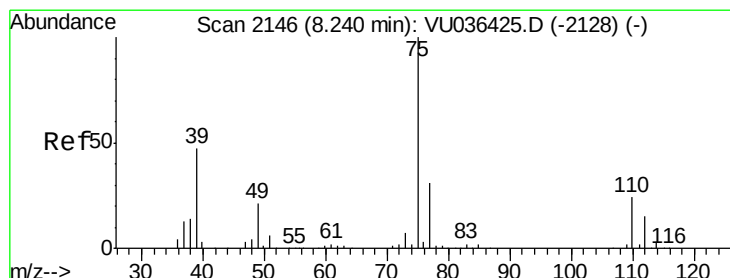
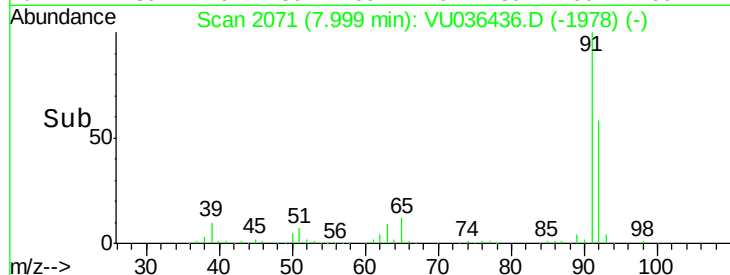
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.353 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036436.D

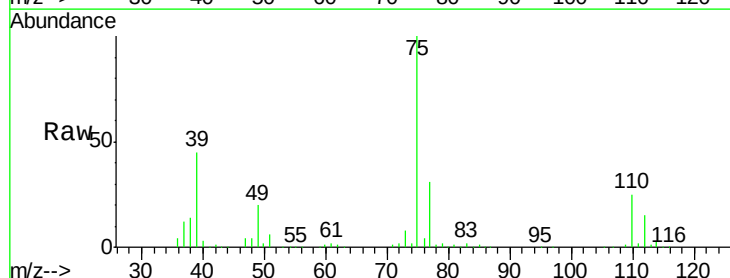
Acq: 13 Jan 2020 11:27

Tgt Ion: 75 Resp: 297503

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036425.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036425.D (-2128) (-)

8.24

200000

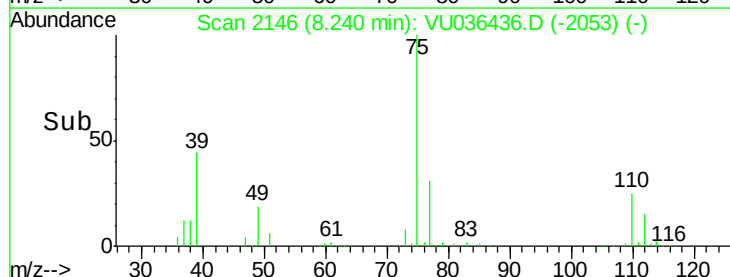
150000

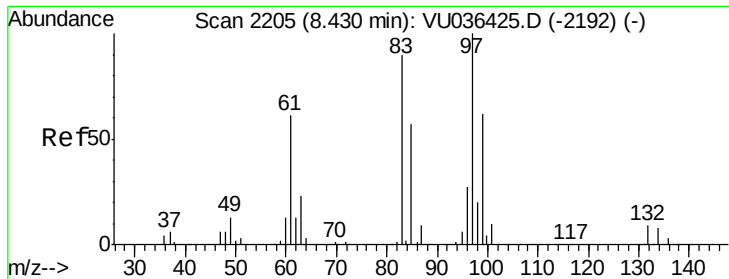
100000

50000

0

Time-->

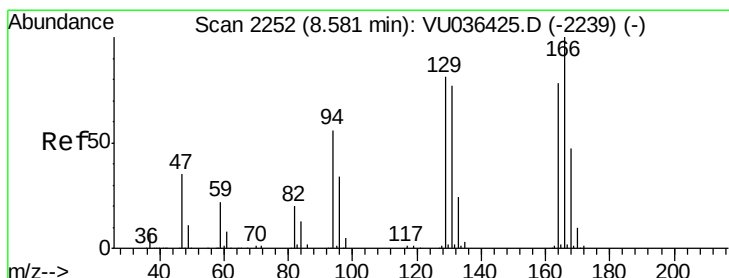
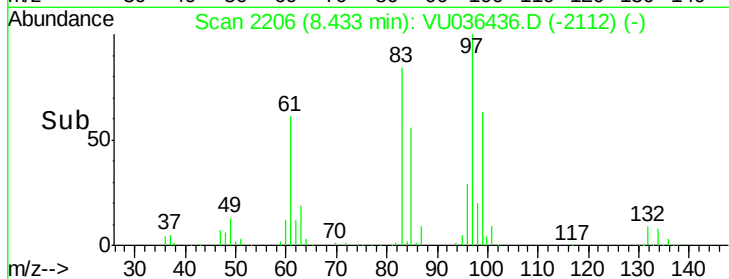
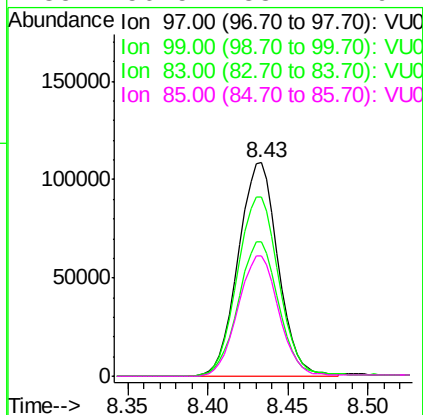
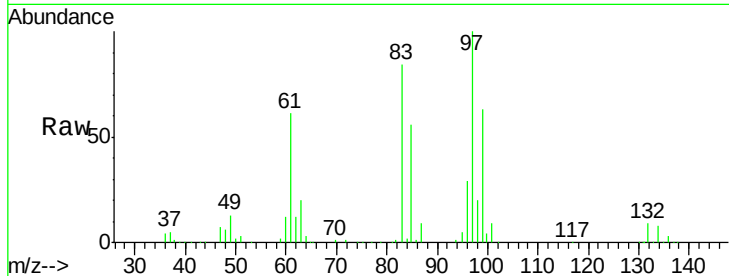




#45
 1,1,2-Trichloroethane
 Concen: 54.439 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

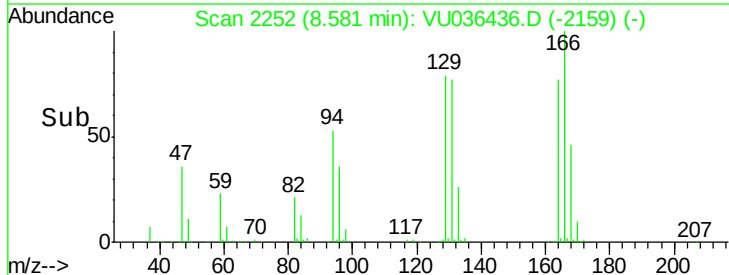
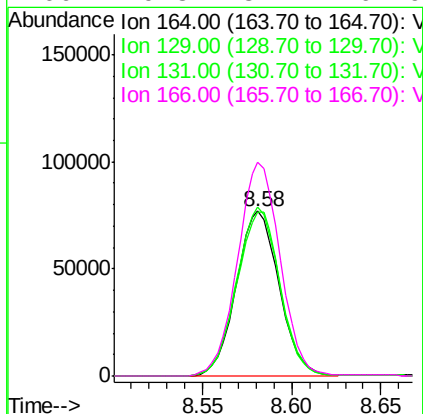
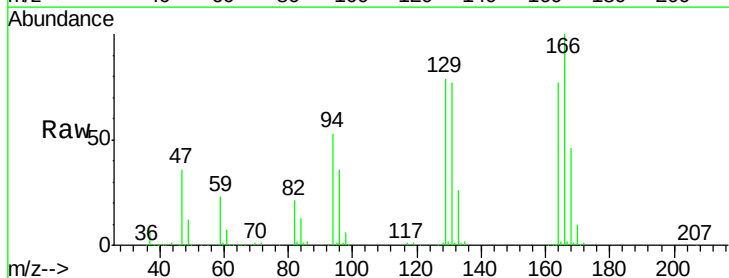
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

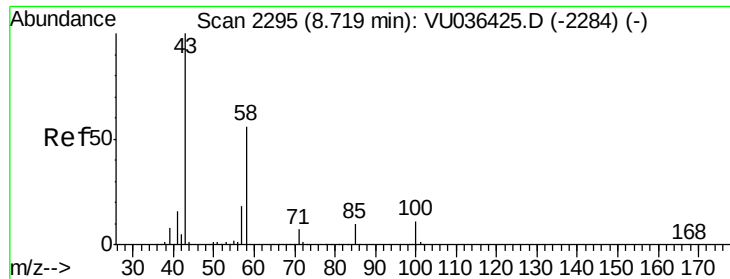
Tgt Ion:	97	Resp:	185058
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.2
83	83.7	62.5	116.1
85	56.5	38.1	70.7



#46
 Tetrachloroethene
 Concen: 51.427 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

Tgt Ion:	164	Resp:	128361
Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.0	130.0
131	99.8	70.1	130.1
166	129.8	87.2	161.9

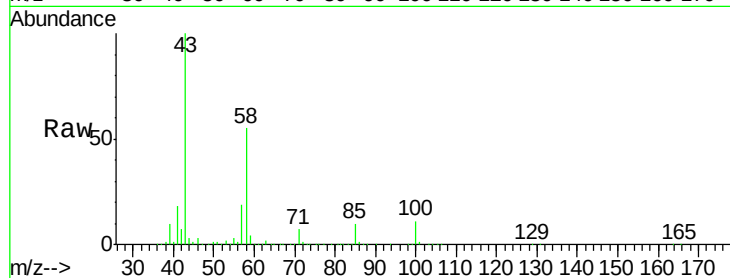




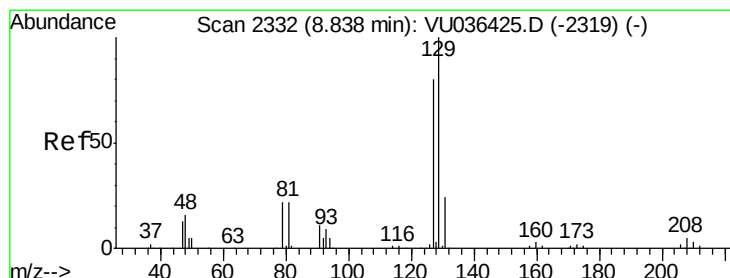
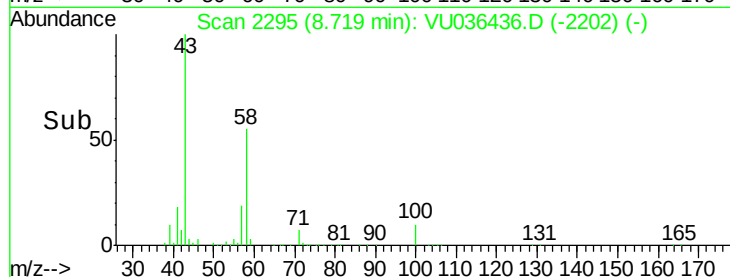
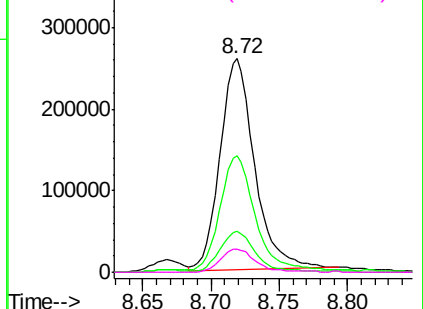
#48
2-Hexanone
Concen: 95.979 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:	43	Resp:	457264
Ion	Ratio	Lower	Upper
43	100		
58	58.1	42.2	63.4
57	18.6	14.8	22.2
100	11.4	8.8	13.2

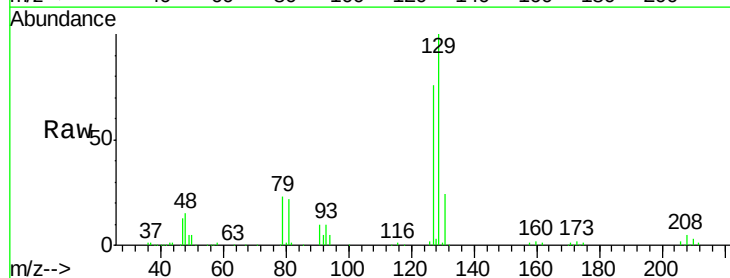


Abundance Ion 43.00 (42.70 to 43.70): VU036436.D (-2202) (-)
Ion 58.00 (57.70 to 58.70): VU036436.D (-2202) (-)
Ion 57.00 (56.70 to 57.70): VU036436.D (-2202) (-)
Ion 100.00 (99.70 to 100.70): VU036436.D (-2202) (-)

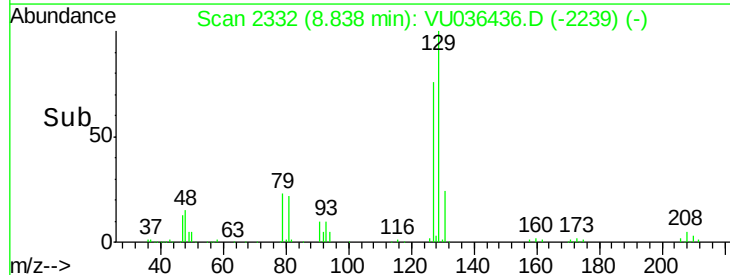
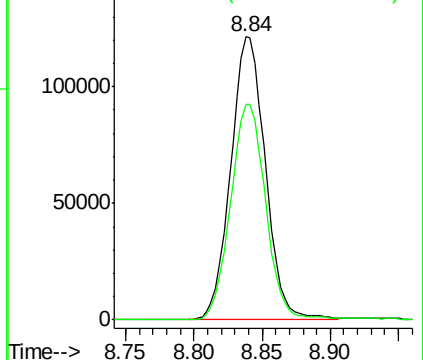


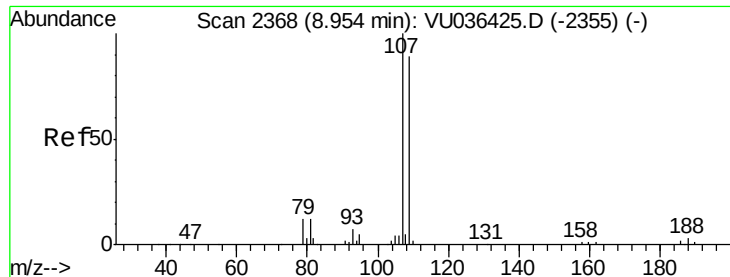
#49
Dibromochloromethane
Concen: 51.418 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036436.D
Acq: 13 Jan 2020 11:27

Tgt Ion:	129	Resp:	214546
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.8	101.8



Abundance Ion 129.00 (128.70 to 129.70): VU036436.D (-2239) (-)
Ion 127.00 (126.70 to 127.70): VU036436.D (-2239) (-)





#50

1,2-Dibromoethane

Concen: 52.464 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

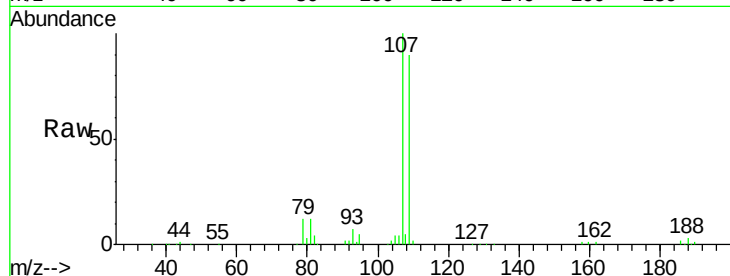
Tgt Ion:107 Resp: 206833

Ion Ratio Lower Upper

107 100

109 90.3 67.3 124.9

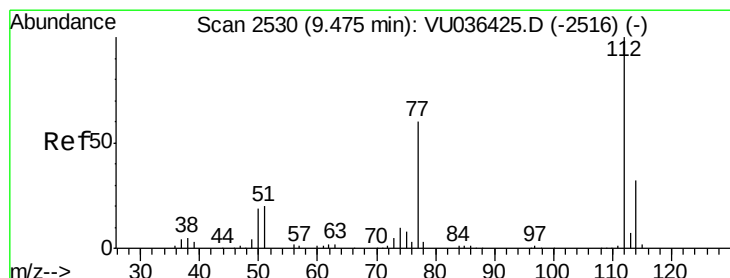
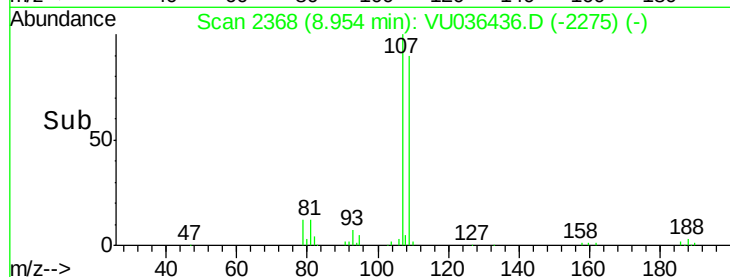
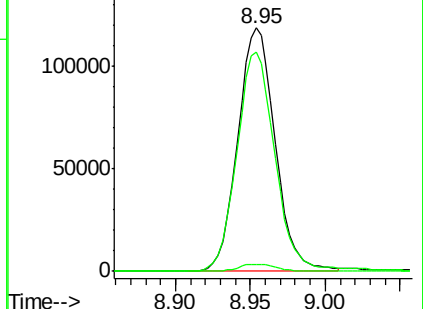
188 2.7 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 52.767 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

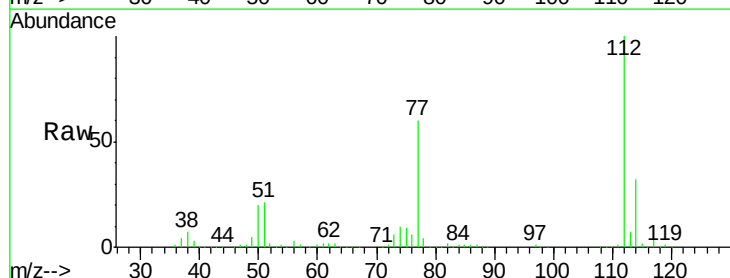
Tgt Ion:112 Resp: 493493

Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

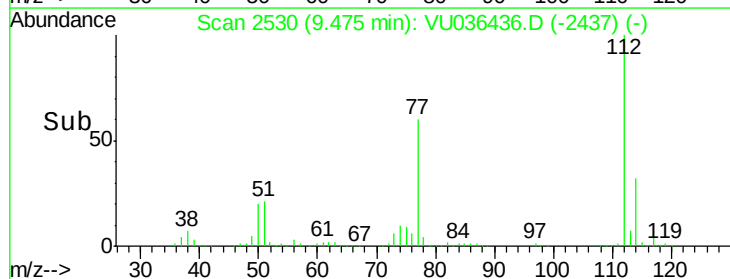
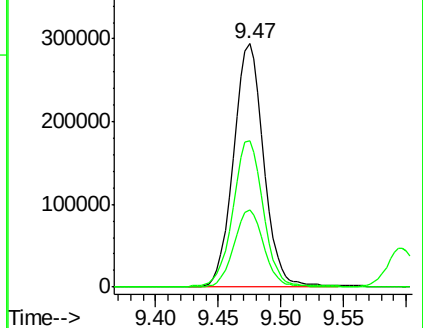
77 60.0 48.7 73.1

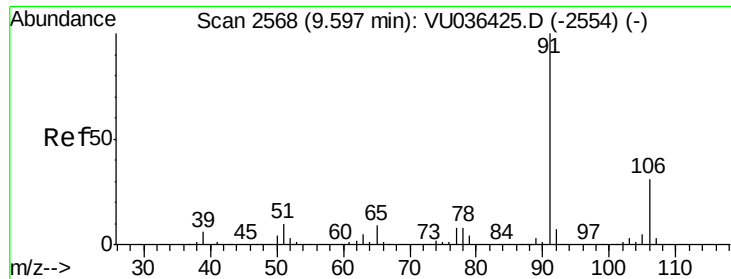


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.811 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

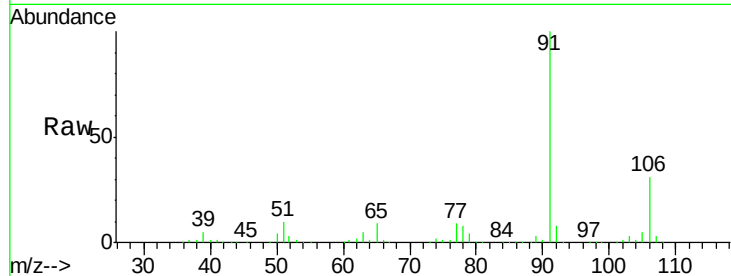
VSTD05060

Tgt Ion: 91 Resp: 873754

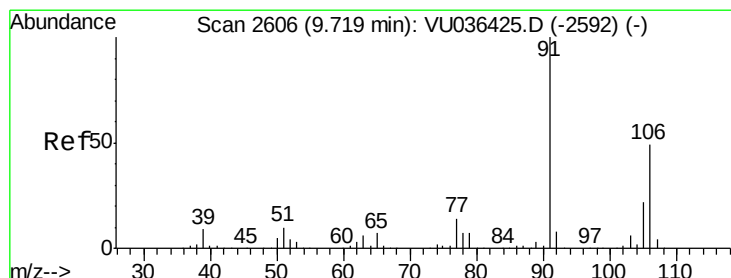
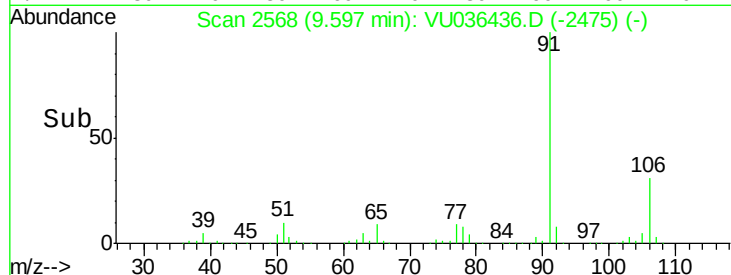
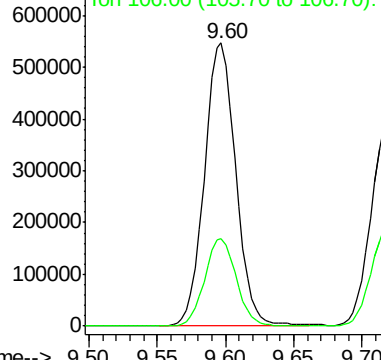
Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU036425.D (-2554) (-)



#53

m,p-Xylene

Concen: 52.820 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036436.D

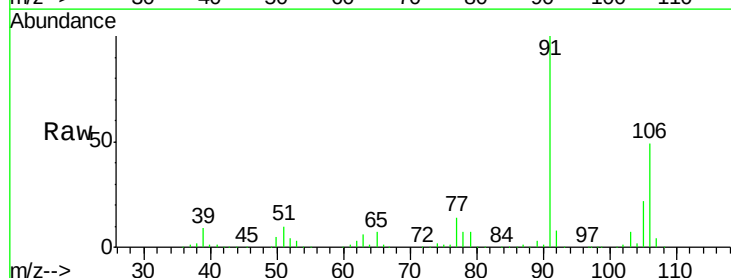
Acq: 13 Jan 2020 11:27

Tgt Ion: 106 Resp: 330430

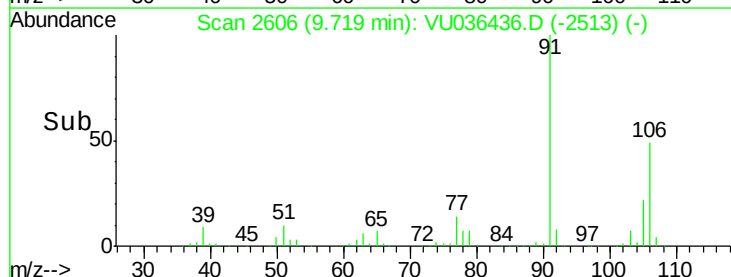
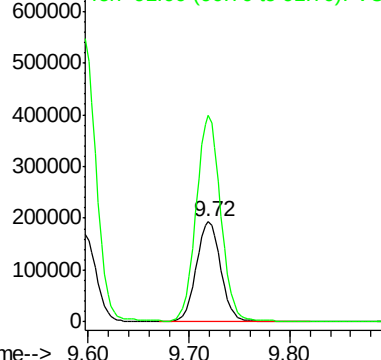
Ion Ratio Lower Upper

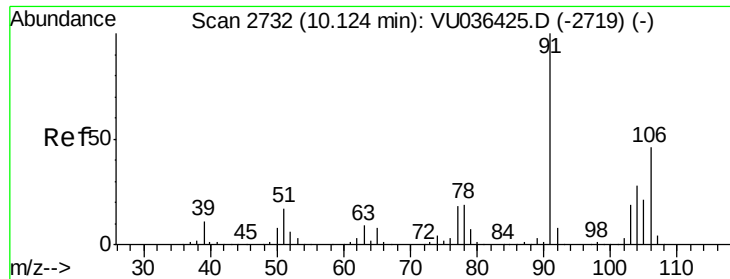
106 100

91 205.9 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VU036425.D (-2592) (-)





#54

o-xylene

Concen: 51.580 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

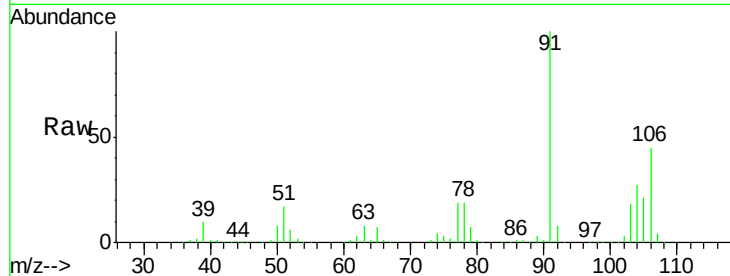
VSTD05060

Tgt Ion:106 Resp: 323759

Ion Ratio Lower Upper

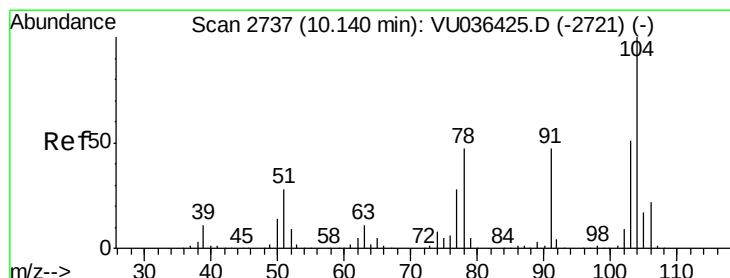
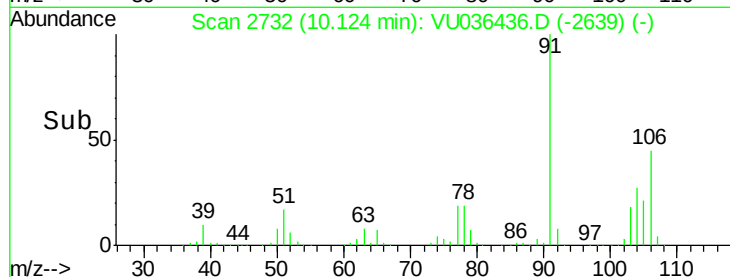
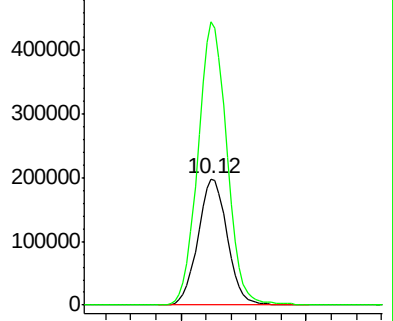
106 100

91 223.7 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.189 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036436.D

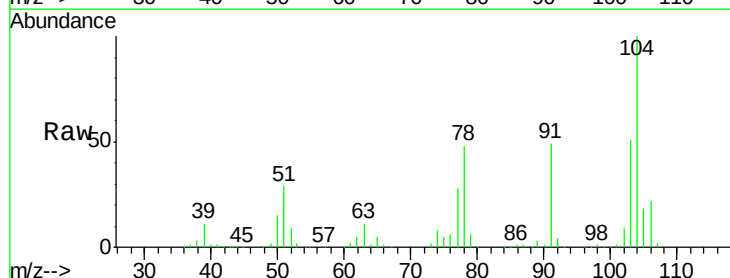
Acq: 13 Jan 2020 11:27

Tgt Ion:104 Resp: 543276

Ion Ratio Lower Upper

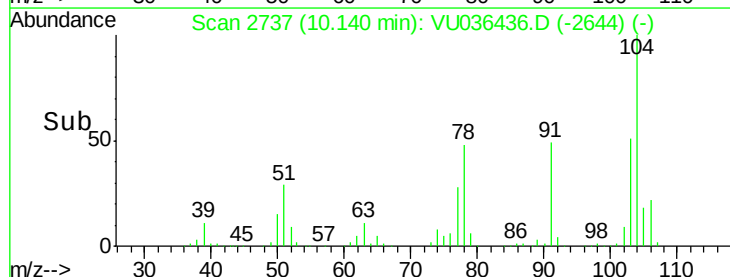
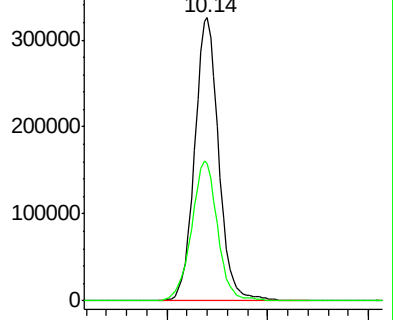
104 100

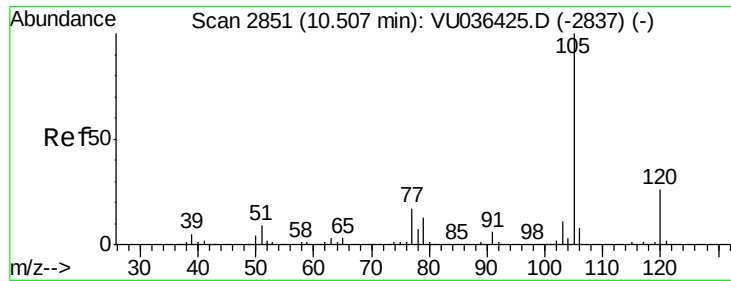
78 48.4 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.155 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

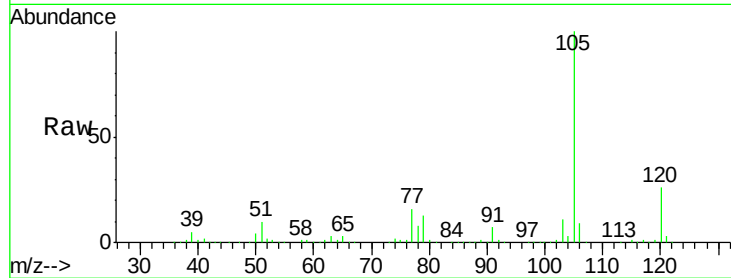
Tgt Ion: 105 Resp: 869620

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

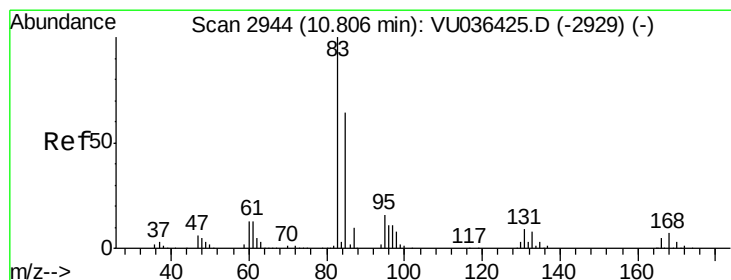
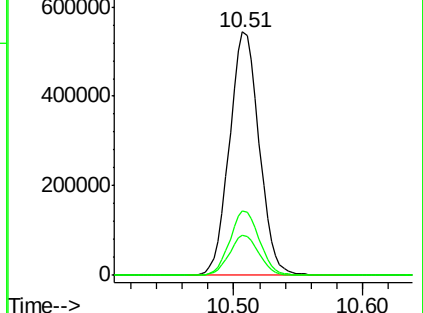
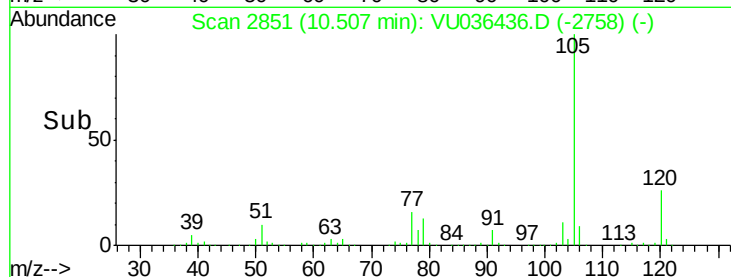
77 16.4 13.3 19.9



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: 52.298 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

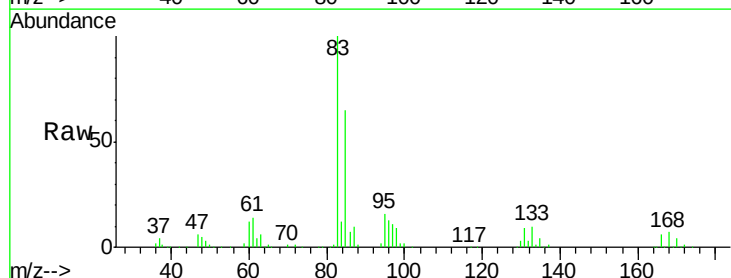
Tgt Ion: 83 Resp: 336041

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1

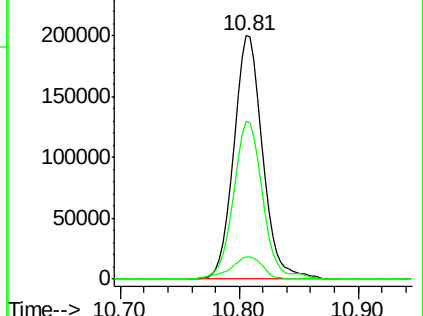
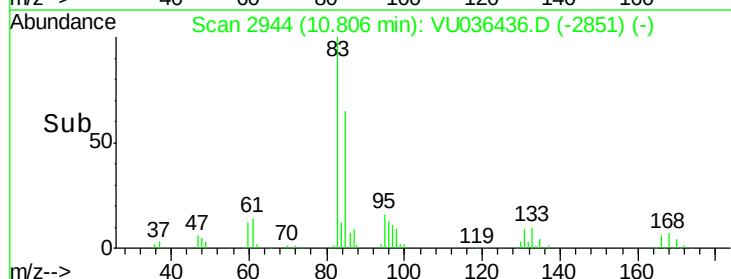
131 9.2 7.5 11.3

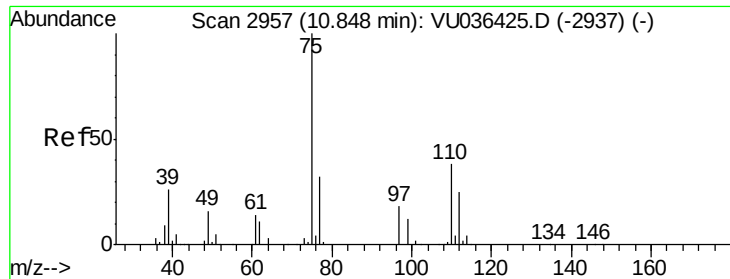


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.880 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

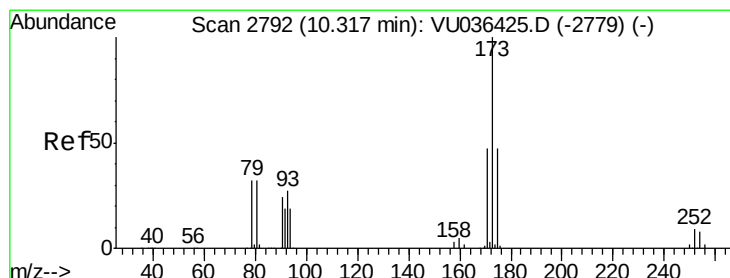
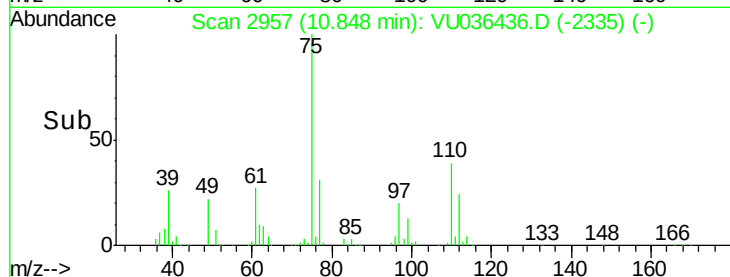
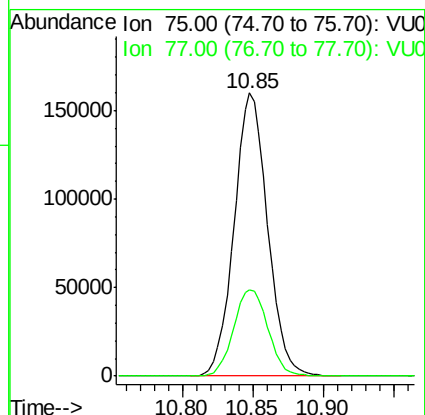
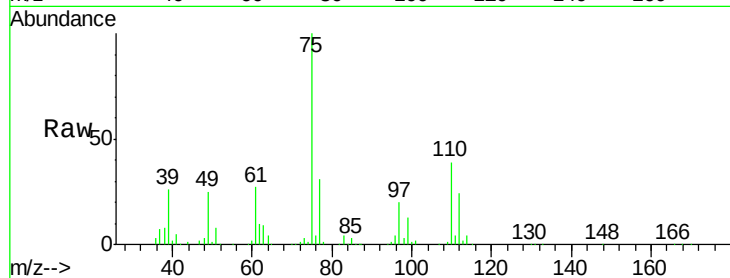
VSTD05060

Tgt Ion: 75 Resp: 265228

Ion Ratio Lower Upper

75 100

77 31.5 26.3 39.5



#61

Bromoform

Concen: 48.071 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

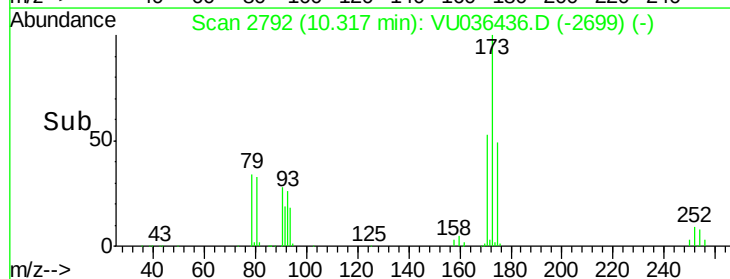
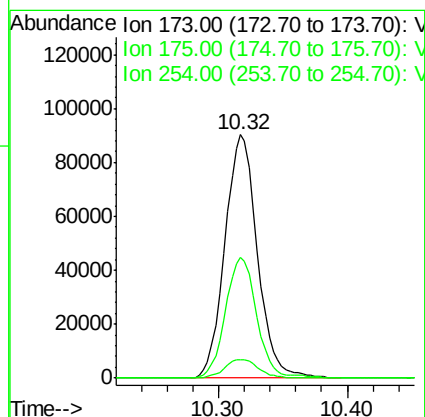
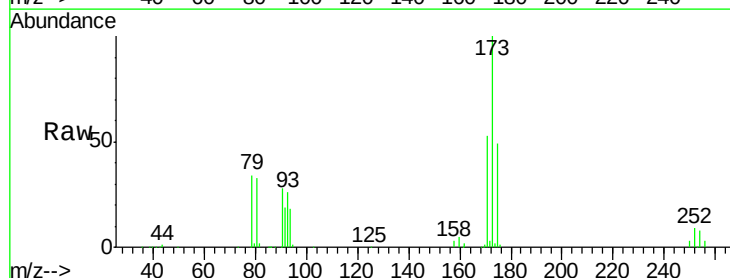
Tgt Ion: 173 Resp: 157529

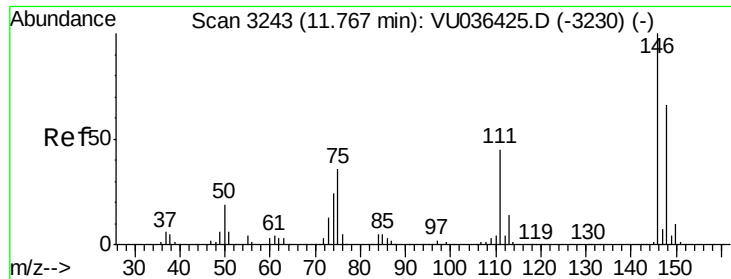
Ion Ratio Lower Upper

173 100

175 47.2 38.7 58.1

254 7.9 6.9 10.3

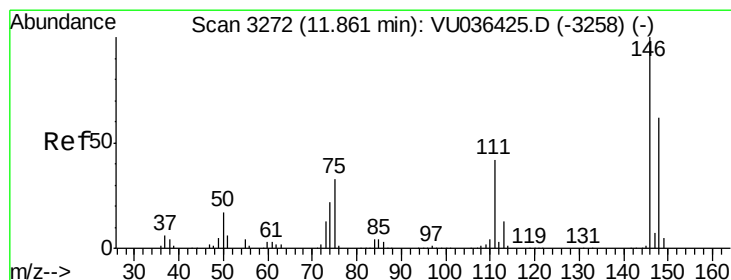
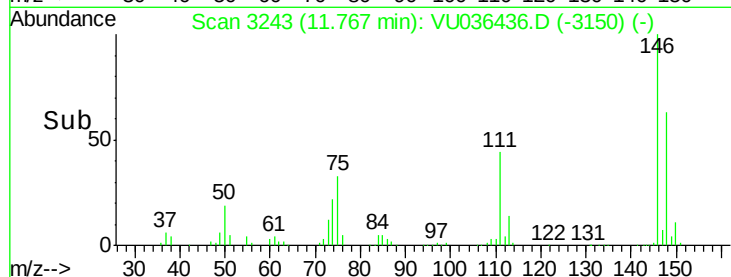
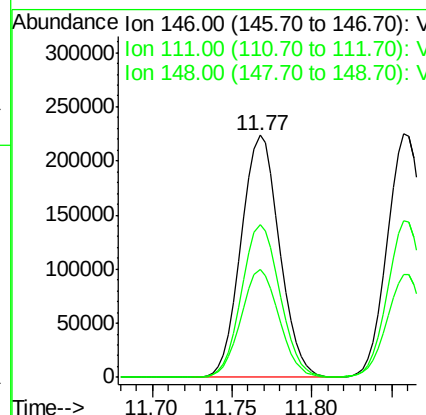
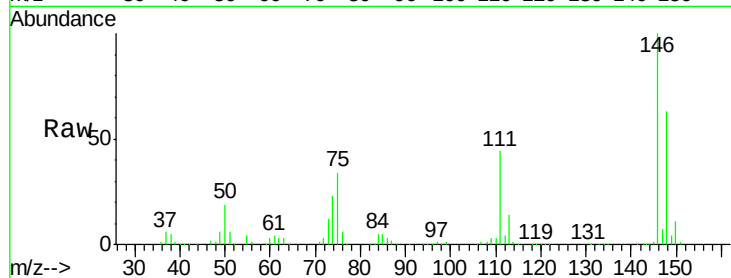




#62
 1,3-Dichlorobenzene
 Concen: 51.232 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

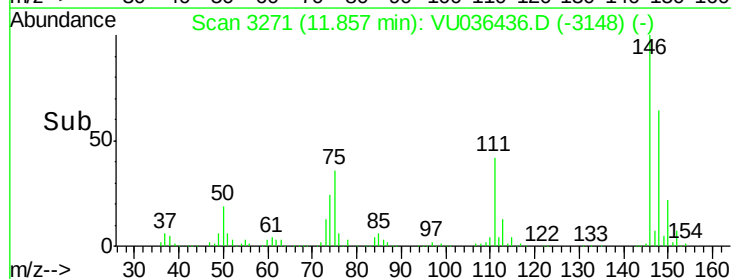
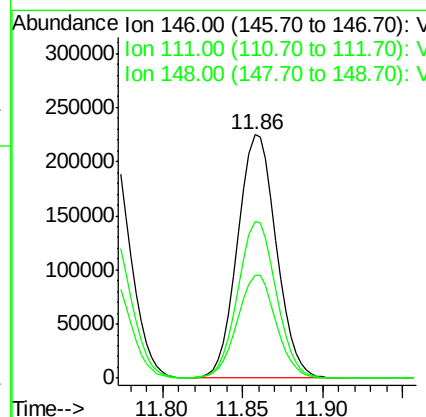
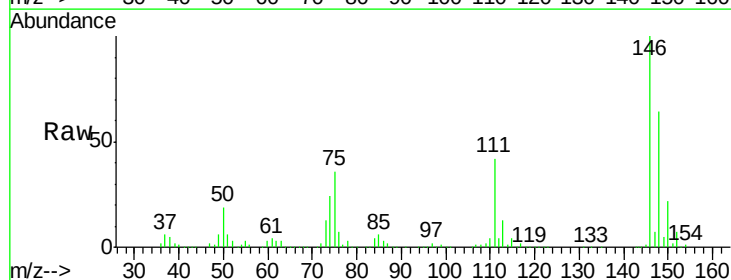
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

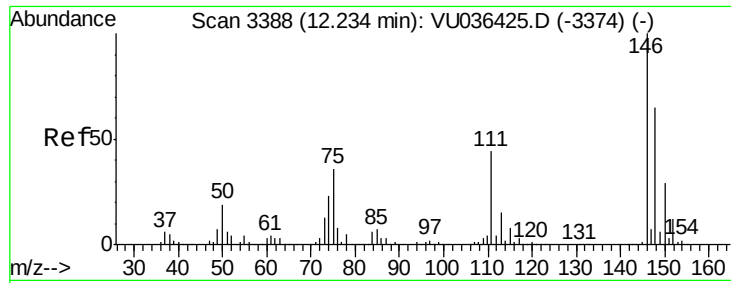
Tgt Ion:146 Resp: 365087
 Ion Ratio Lower Upper
 146 100
 111 44.5 29.1 54.1
 148 63.1 46.9 87.1



#63
 1,4-Dichlorobenzene
 Concen: 52.475 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

Tgt Ion:146 Resp: 370937
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.7 55.1
 148 64.3 45.6 84.6

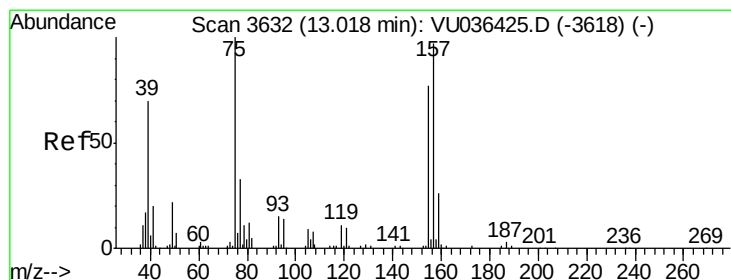
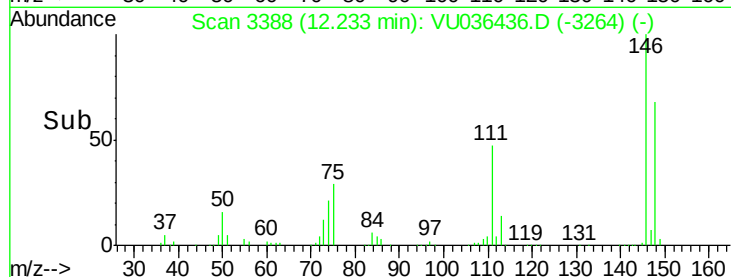
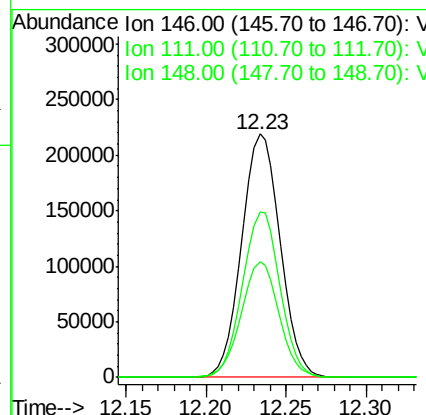
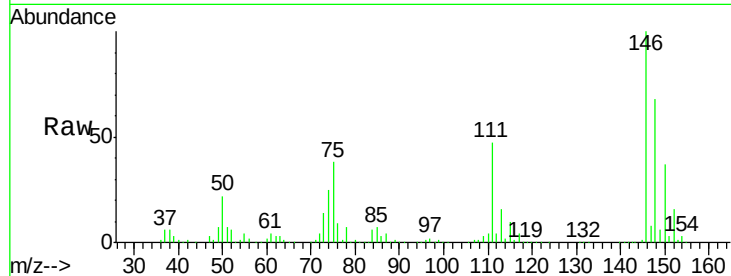




#65
 1,2-Dichlorobenzene
 Concen: 50.280 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

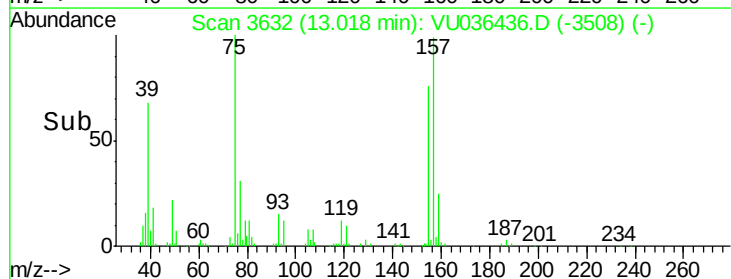
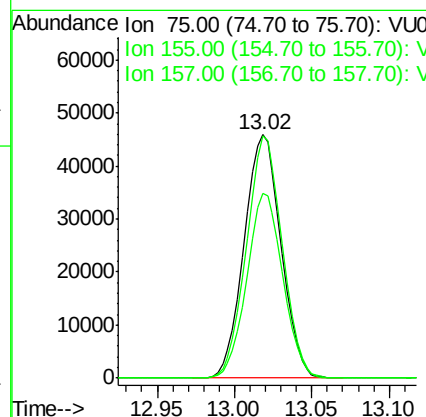
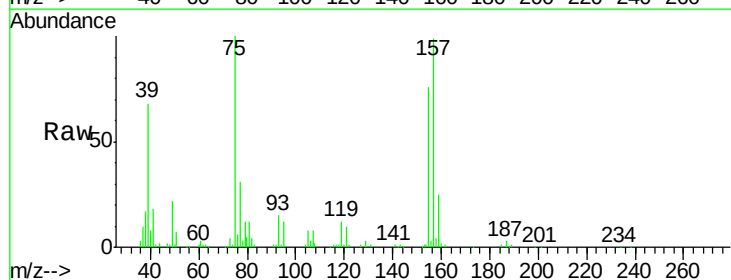
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

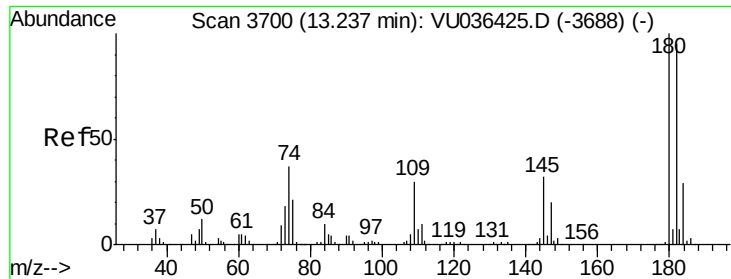
Tgt Ion: 146 Resp: 358989
 Ion Ratio Lower Upper
 146 100
 111 47.5 33.4 50.2
 148 67.9 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.669 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

Tgt Ion: 75 Resp: 76088
 Ion Ratio Lower Upper
 75 100
 155 75.9 61.8 92.6
 157 99.3 84.2 126.2

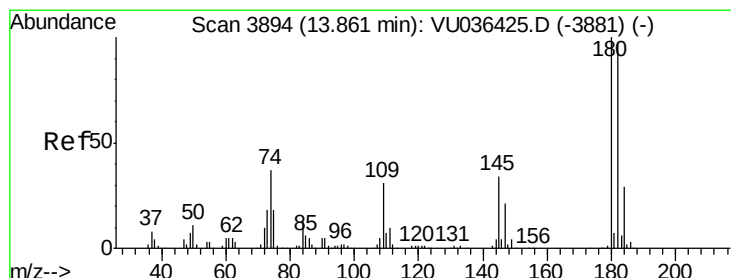
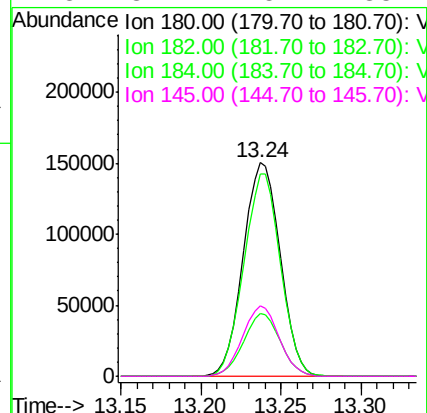
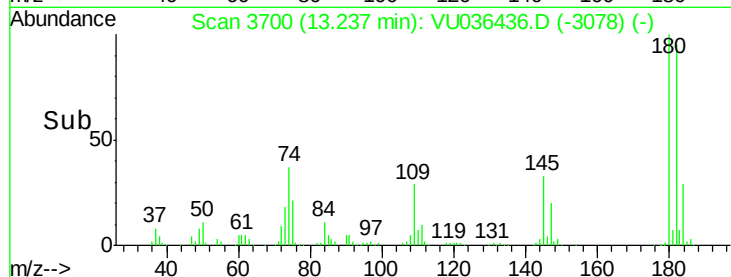
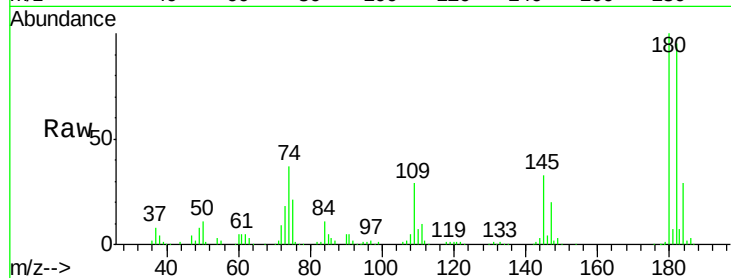




#67
 1,3,5-Trichlorobenzene
 Concen: 50.064 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

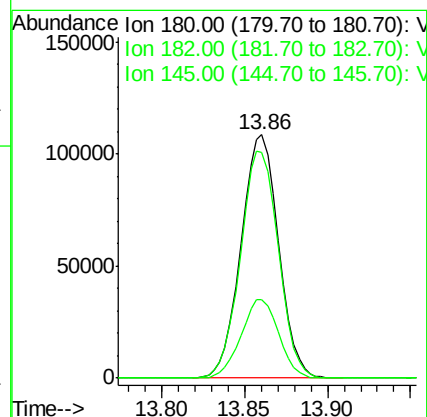
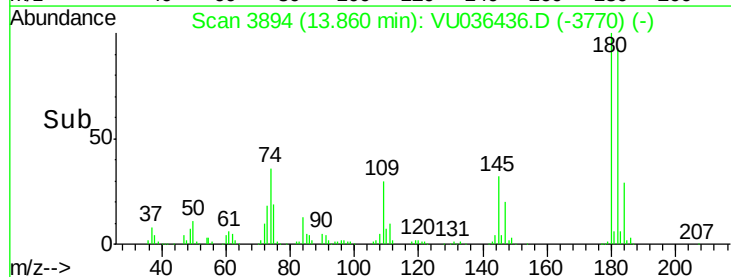
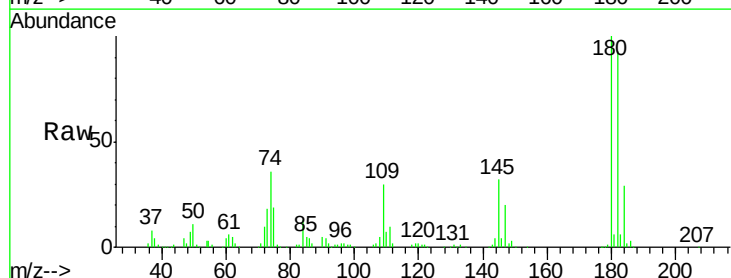
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

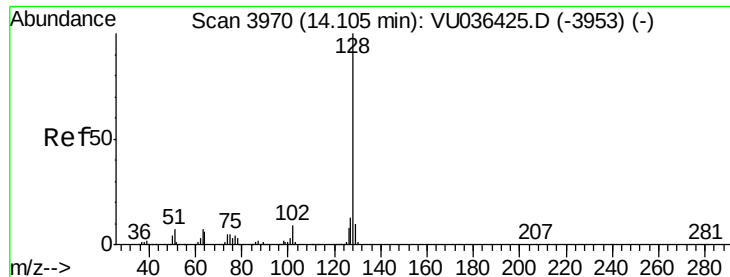
Tgt Ion:180 Resp: 236906
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.6 112.0
 184 29.3 23.9 35.9
 145 32.4 25.4 38.2



#68
 1,2,4-trichlorobenzene
 Concen: 47.555 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036436.D
 Acq: 13 Jan 2020 11:27

Tgt Ion:180 Resp: 170545
 Ion Ratio Lower Upper
 180 100
 182 94.7 78.0 117.0
 145 32.5 26.0 39.0





#69

Naphthalene

Concen: 44.632 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

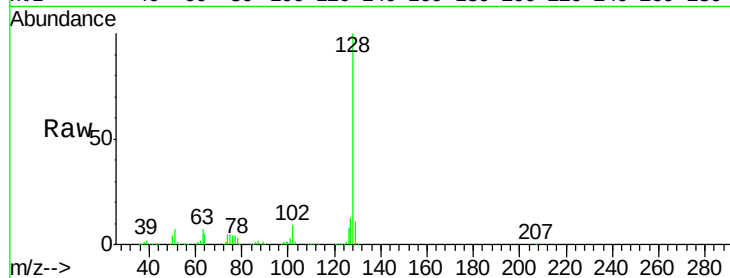
Tgt Ion:128 Resp: 550008

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

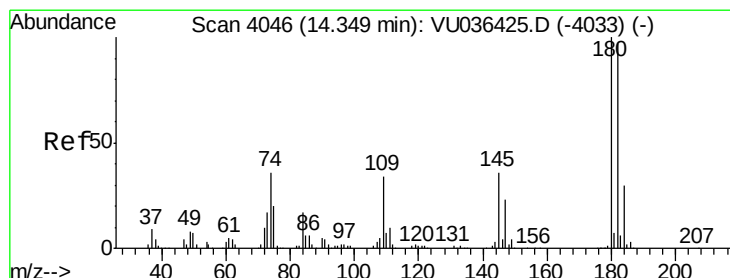
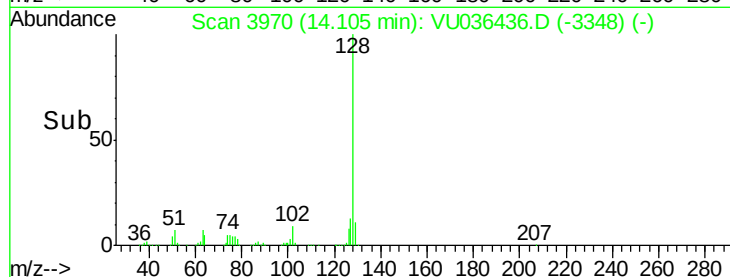
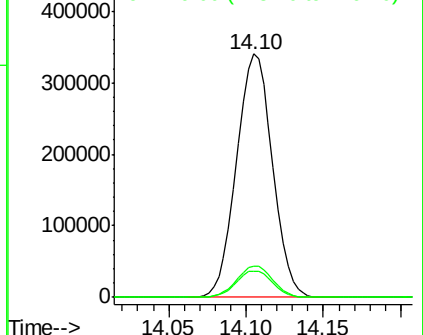
129 10.9 8.5 12.7



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: 45.799 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036436.D

Acq: 13 Jan 2020 11:27

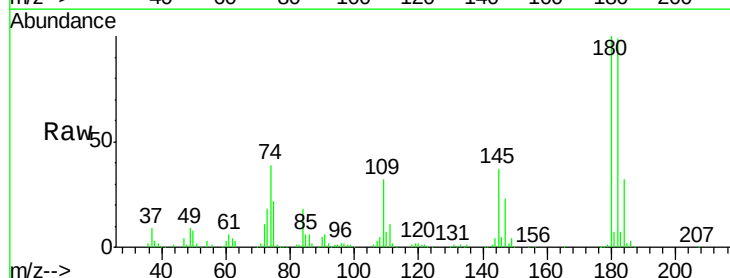
Tgt Ion:180 Resp: 172492

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.2

145 36.1 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

