

Data File : VU036434.D
Acq On : 10 Jan 2020 17:43
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Jan 10 23:00:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 22:57:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	466509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	446953	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	205535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	196563	54.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.14%
7) Chloroethane-d5	1.93	69	160546	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.72%
11) 1,1-Dichloroethene-d2	2.59	63	338864	54.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.44%
21) 2-Butanone-d5	4.68	46	303053	111.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.95%
24) Chloroform-d	5.11	84	358751	56.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.08%
26) 1,2-Dichloroethane-d4	5.75	65	238396	56.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.34%
32) Benzene-d6	5.77	84	690610	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.73	67	221238	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.04%
41) Toluene-d8	7.93	98	648032	54.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.50%
43) trans-1,3-Dichloropropene-	8.21	79	115309	50.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.84%
47) 2-Hexanone-d5	8.67	63	237367	110.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.28%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	336218	53.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	229359	53.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	169467	45.482 ug/L	100
3) Chloromethane	1.54	50	154796	45.660 ug/L	98
5) Vinyl chloride	1.62	62	169992	43.201 ug/L	99
6) Bromomethane	1.87	94	98821	51.967 ug/L	98
8) Chloroethane	1.95	64	105790	44.684 ug/L	98
9) Trichlorofluoromethane	2.16	101	249338	45.072 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141435	51.646 ug/L	99
12) 1,1-Dichloroethene	2.61	96	130612	48.383 ug/L	84
13) Acetone	2.66	43	218400	77.787 ug/L	100
14) Carbon disulfide	2.82	76	336843	40.322 ug/L	100
15) Methyl Acetate	2.99	43	200715	53.162 ug/L	97
16) Methylene chloride	3.08	84	167205	50.598 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	144386	49.542 ug/L	94
18) Methyl tert-butyl Ether	3.41	73	554580	52.382 ug/L	99
19) 1,1-Dichloroethane	3.92	63	295807	50.636 ug/L	94
20) cis-1,2-Dichloroethene	4.72	96	176643	50.109 ug/L	# 88
22) 2-Butanone	4.76	43	311433	93.895 ug/L	99

Data File : VU036434.D
Acq On : 10 Jan 2020 17:43
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Jan 10 23:00:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 22:57:35 2020
Response via : Initial Calibration

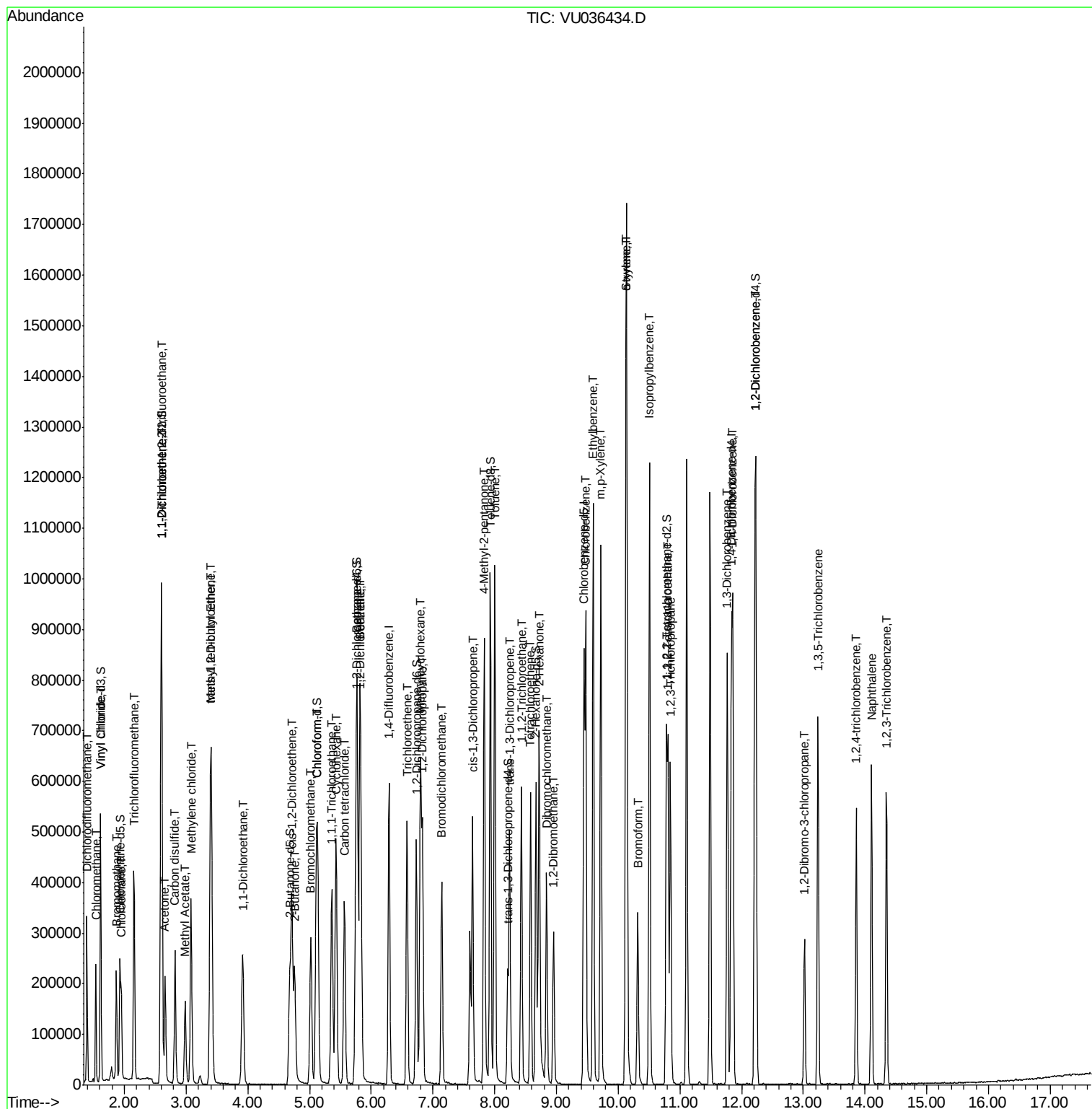
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	86095	50.876	ug/L	96
25) Chloroform	5.13	83	322785	51.857	ug/L	97
27) 1,2-Dichloroethane	5.84	62	257884	53.596	ug/L	98
29) Cyclohexane	5.43	56	255220	49.283	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	277054	50.576	ug/L	97
31) Carbon tetrachloride	5.57	117	234549	49.394	ug/L	98
33) Benzene	5.82	78	656004	49.964	ug/L	100
34) Trichloroethene	6.58	95	173038	51.121	ug/L	97
35) Methylcyclohexane	6.80	83	254219	47.054	ug/L	99
37) 1,2-Dichloropropane	6.83	63	181292	50.992	ug/L	100
38) Bromodichloromethane	7.14	83	252062	50.255	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	296987	49.898	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	596632	98.755	ug/L	99
42) Toluene	8.00	91	721986	49.938	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	266432	48.051	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	179091	53.994	ug/L	98
46) Tetrachloroethene	8.58	164	113742	46.703	ug/L	96
48) 2-Hexanone	8.72	43	455916	98.075	ug/L	95
49) Dibromochloromethane	8.84	129	203040	49.871	ug/L	97
50) 1,2-Dibromoethane	8.95	107	194651	50.602	ug/L	97
51) Chlorobenzene	9.47	112	463715	50.816	ug/L	99
52) Ethylbenzene	9.60	91	817009	49.651	ug/L	98
53) m,p-Xylene	9.72	106	302051	49.485	ug/L	98
54) o-xylene	10.13	106	304935	49.789	ug/L	94
55) Styrene	10.14	104	510137	49.262	ug/L	99
56) Isopropylbenzene	10.51	105	803207	50.317	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	312449	49.835	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	259724	52.067	ug/L	98
61) Bromoform	10.32	173	142030	46.501	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	329231	49.569	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	328728	49.894	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	336081	50.503	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	72926	46.963	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	195961	44.430	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	144685	43.285	ug/L	97
69) Naphthalene	14.10	128	482832	42.037	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	148905	42.419	ug/L	95

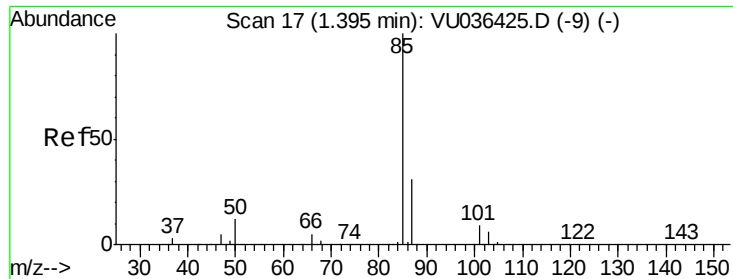
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU036434.D
Acq On : 10 Jan 2020 17:43
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Jan 10 23:00:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 22:57:35 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 45.482 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

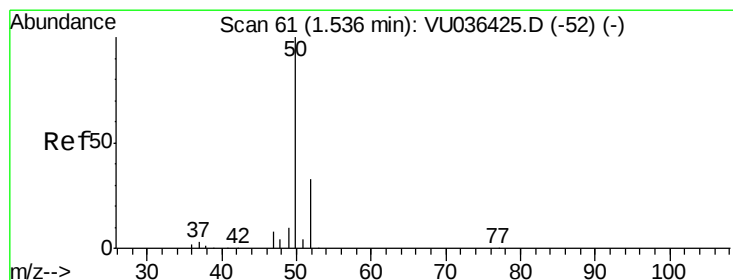
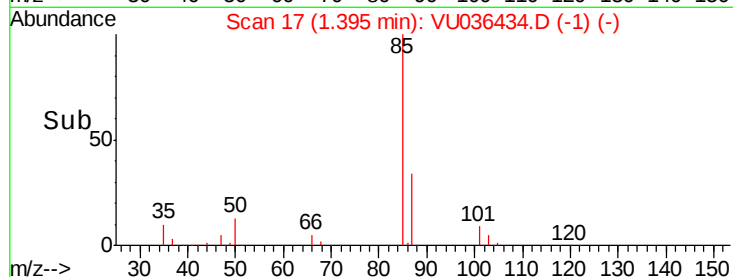
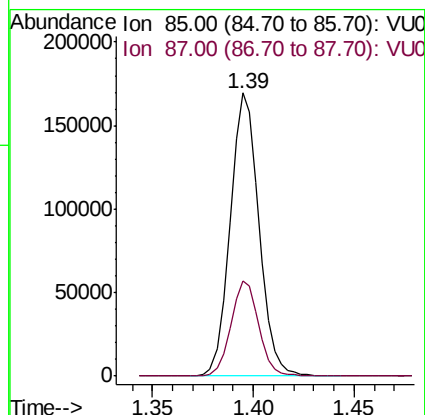
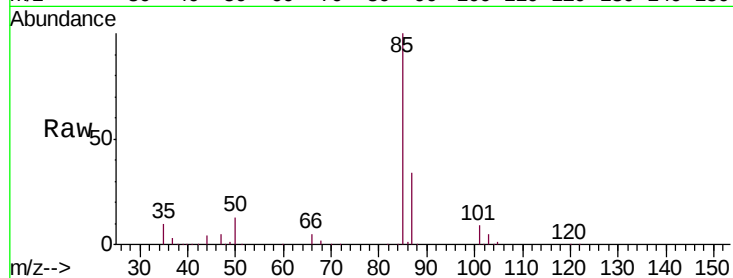
VSTD05059

Tgt Ion: 85 Resp: 169467

Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



#3

Chloromethane

Concen: 45.660 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036434.D

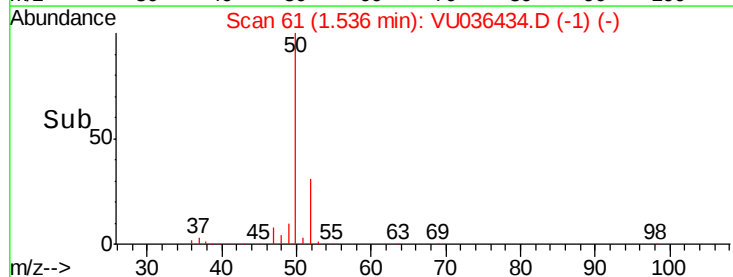
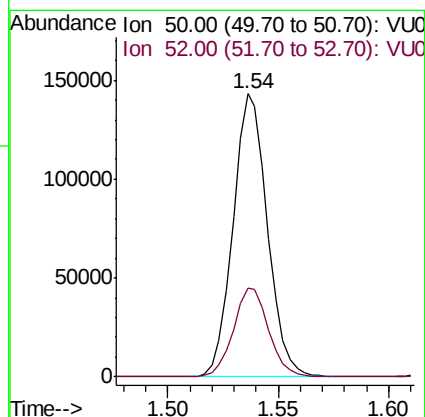
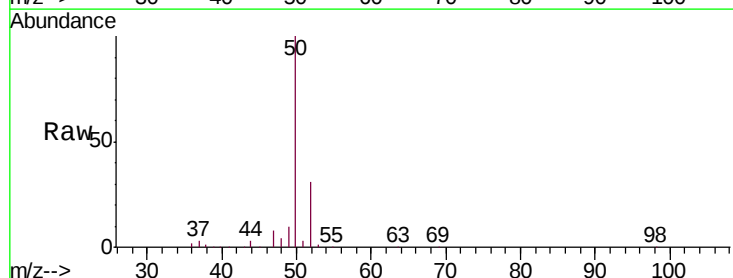
Acq: 10 Jan 2020 17:43

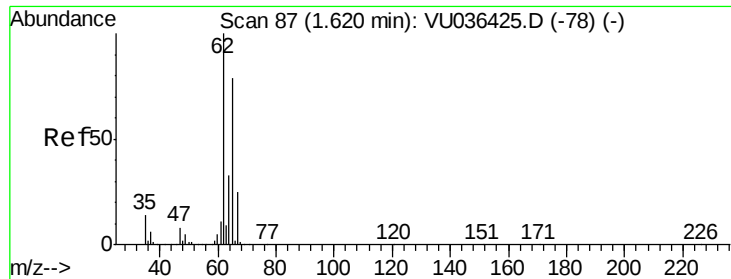
Tgt Ion: 50 Resp: 154796

Ion Ratio Lower Upper

50 100

52 31.4 23.0 42.6





#5

Vinyl chloride

Concen: 43.201 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

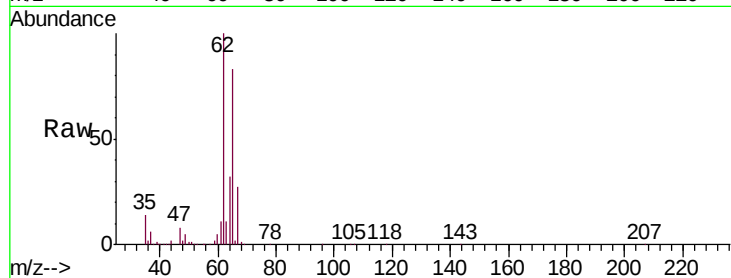
VSTD05059

Tgt Ion: 62 Resp: 169992

Ion Ratio Lower Upper

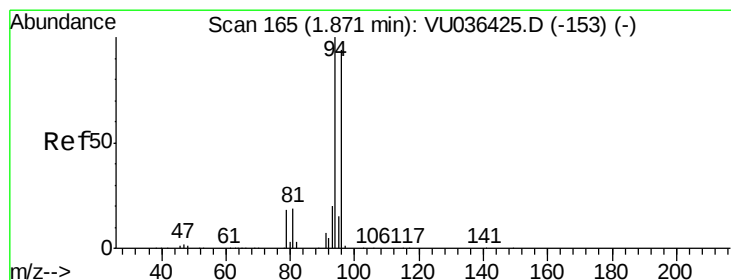
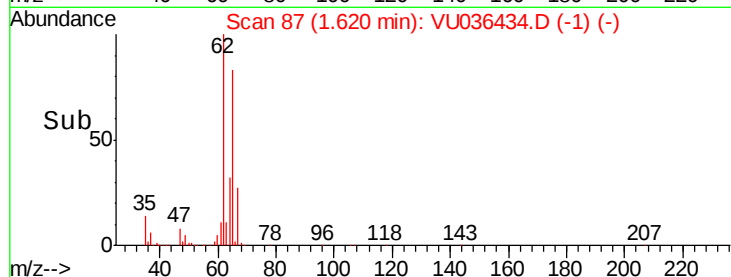
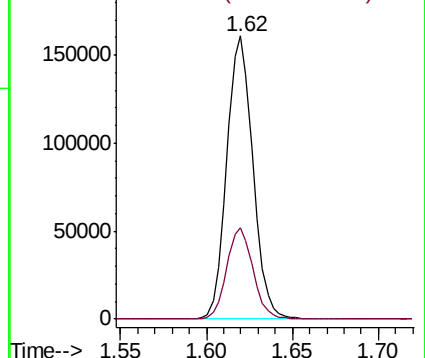
62 100

64 32.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 51.967 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036434.D

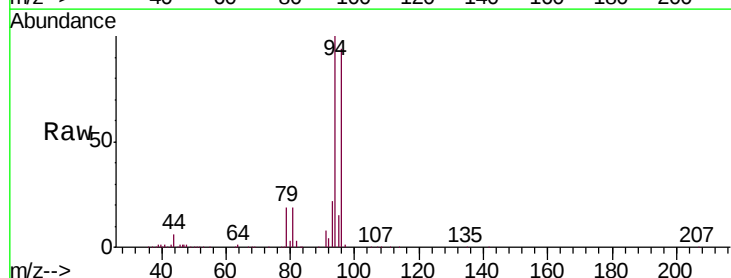
Acq: 10 Jan 2020 17:43

Tgt Ion: 94 Resp: 98821

Ion Ratio Lower Upper

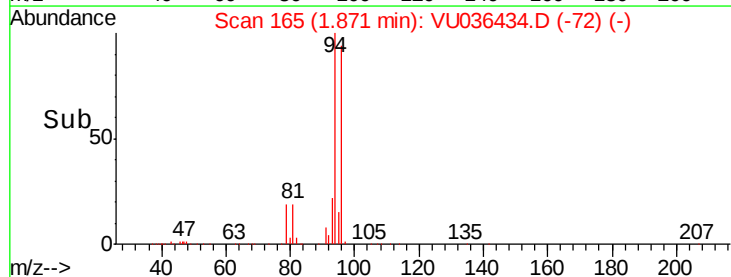
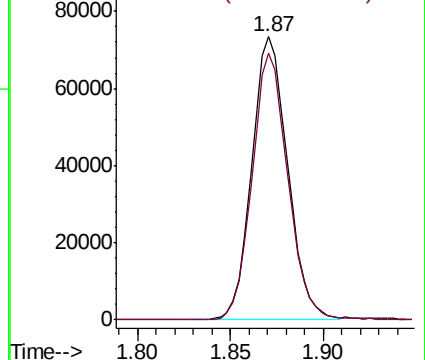
94 100

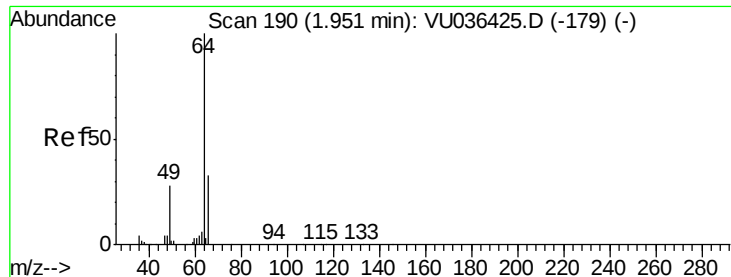
96 94.3 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

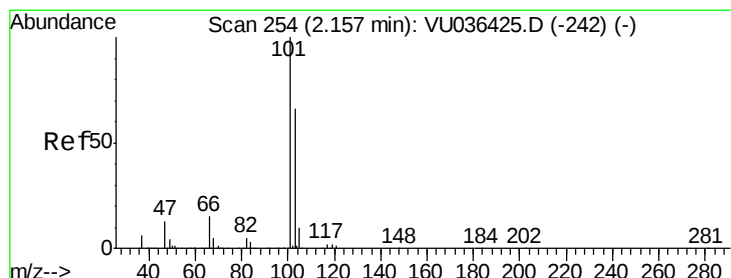
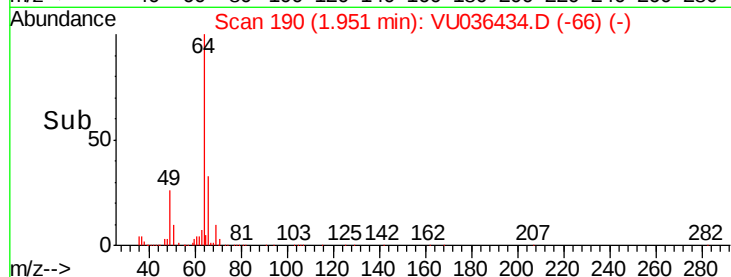
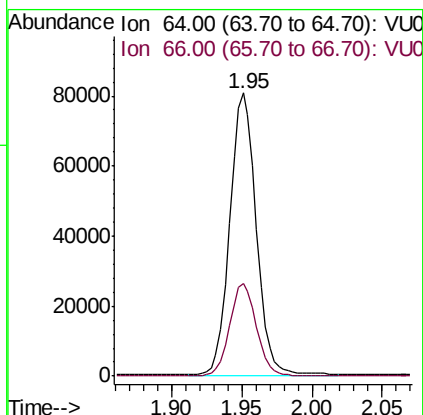
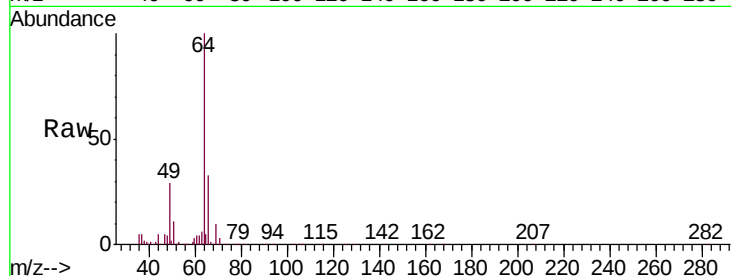




#8
Chloroethane
Concen: 44.684 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

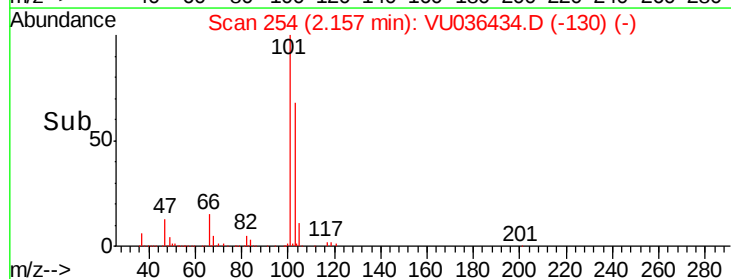
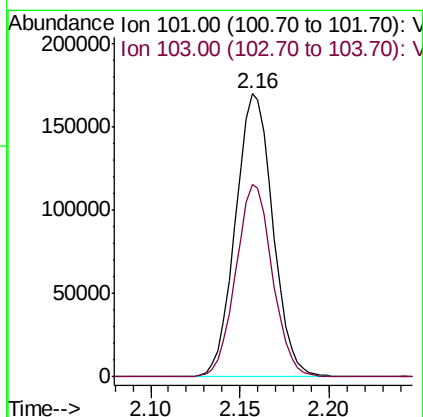
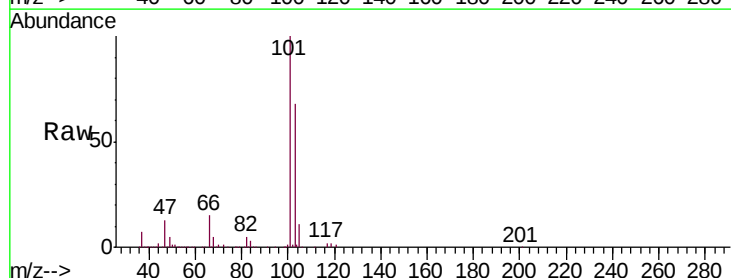
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

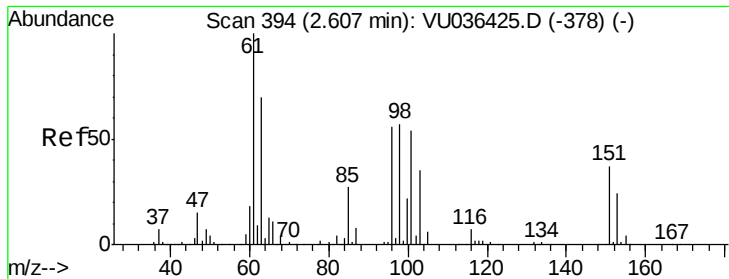
Tgt Ion: 64 Resp: 105790
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.072 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 101 Resp: 249338
Ion Ratio Lower Upper
101 100
103 66.6 51.6 77.4





#10

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

Concen: 51.646 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

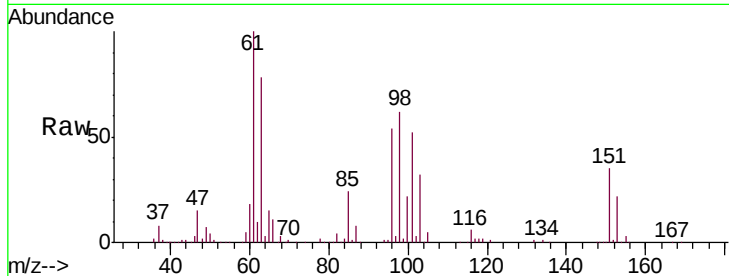
Tgt Ion: 101 Resp: 141435

Ion Ratio Lower Upper

101 100

85 46.1 37.1 55.7

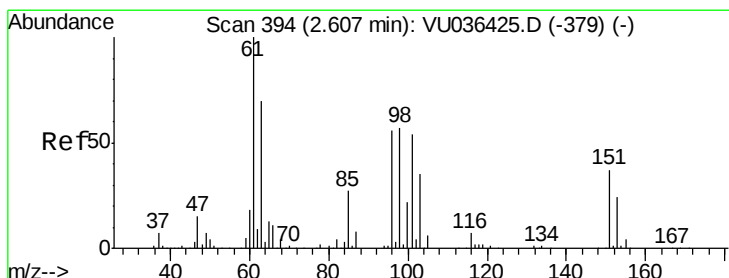
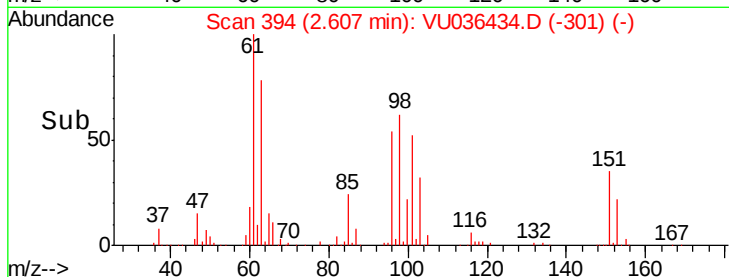
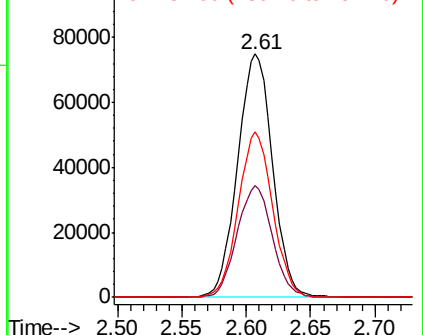
151 66.6 54.3 81.5



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: 48.383 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

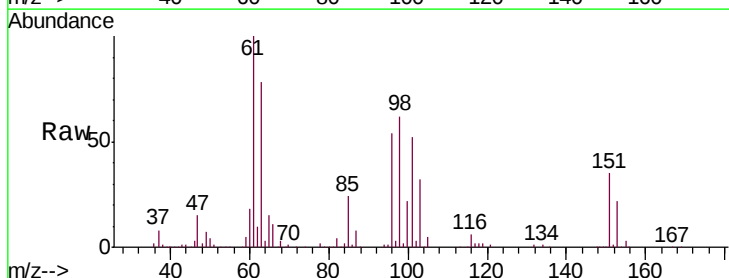
Tgt Ion: 96 Resp: 130612

Ion Ratio Lower Upper

96 100

61 185.8 120.9 224.5

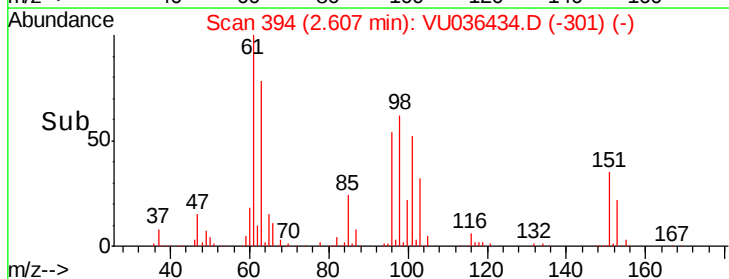
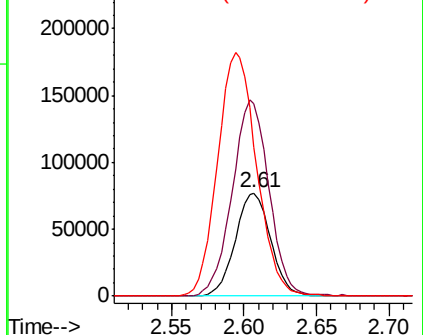
63 144.7 81.8 152.0

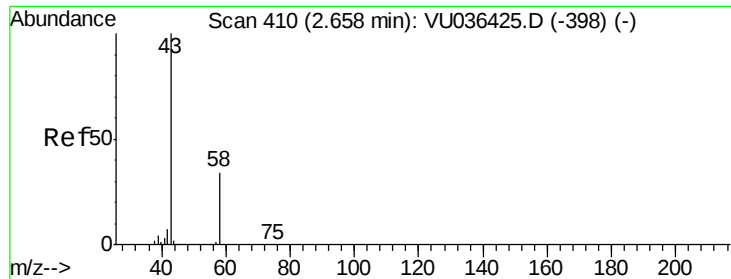


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.787 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

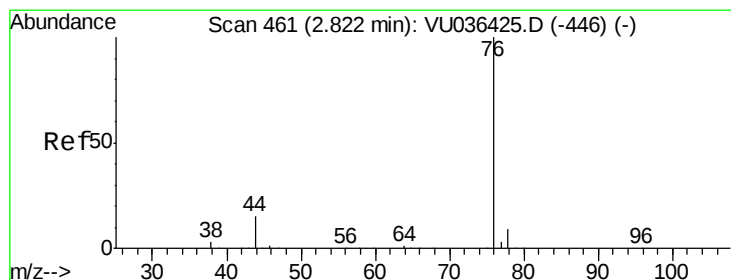
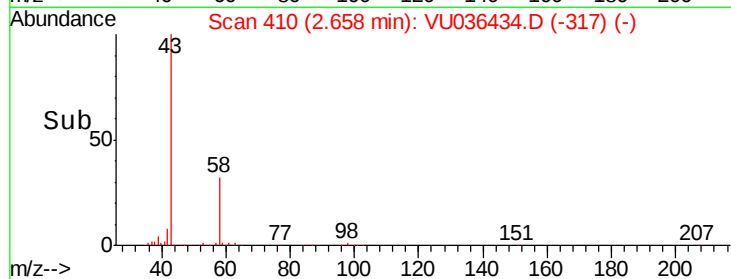
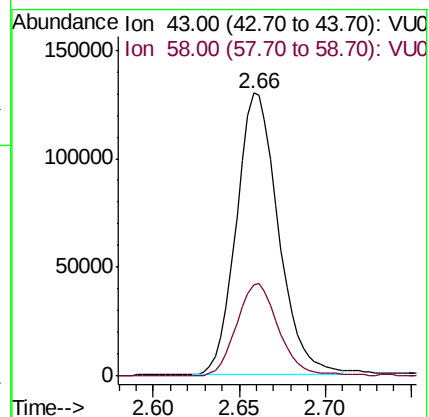
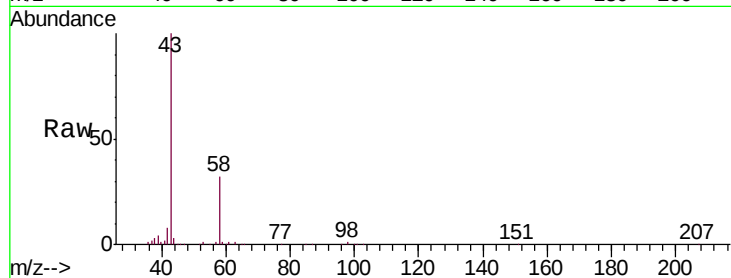
VSTD05059

Tgt Ion: 43 Resp: 218400

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.2



#14

Carbon disulfide

Concen: 40.322 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036434.D

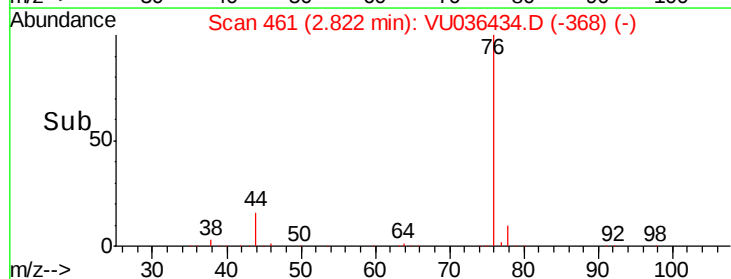
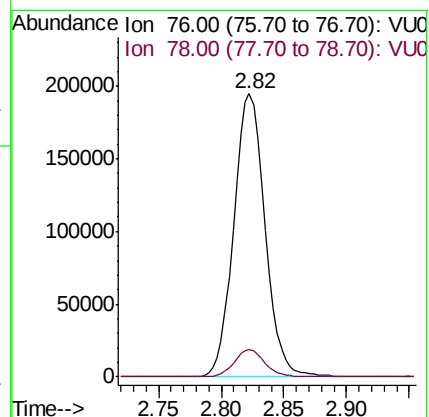
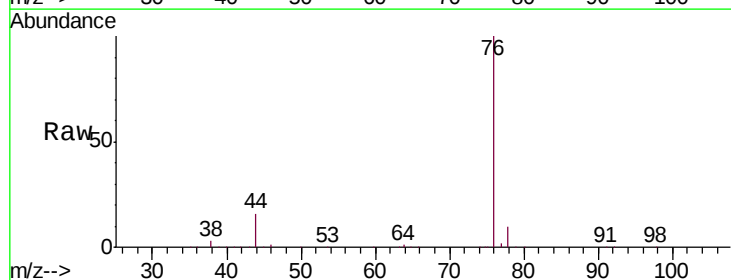
Acq: 10 Jan 2020 17:43

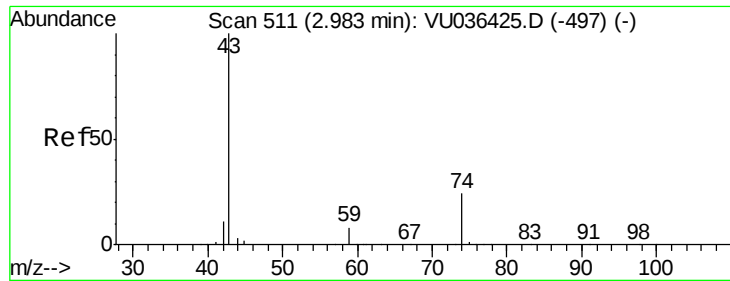
Tgt Ion: 76 Resp: 336843

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4





#15

Methyl Acetate

Concen: 53.162 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

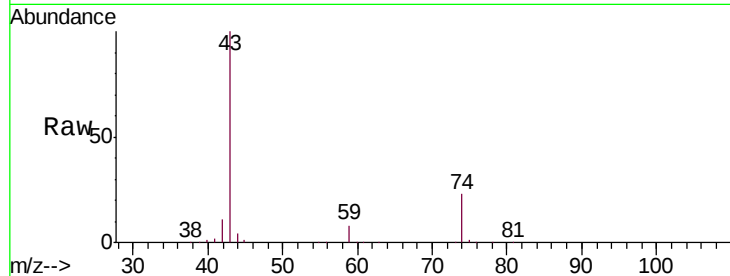
VSTD05059

Tgt Ion: 43 Resp: 200715

Ion Ratio Lower Upper

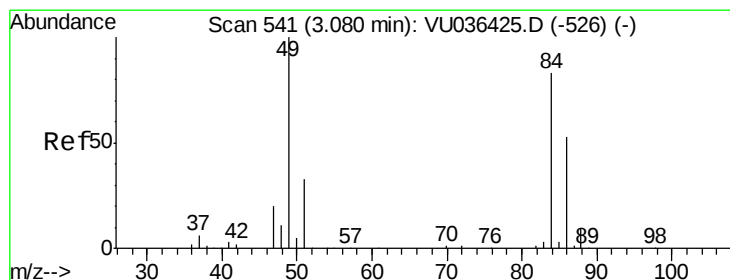
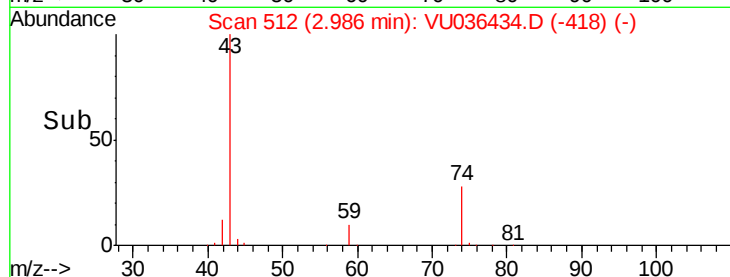
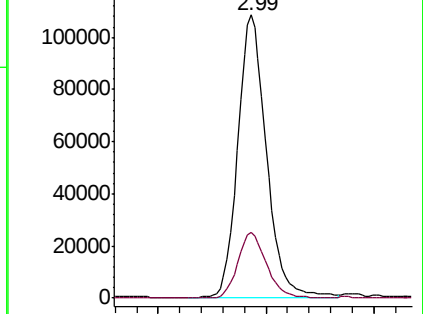
43 100

74 23.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 50.598 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

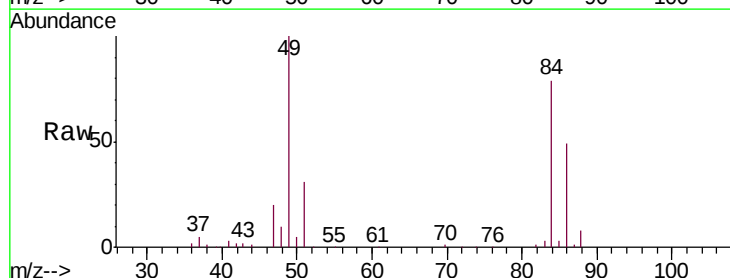
Tgt Ion: 84 Resp: 167205

Ion Ratio Lower Upper

84 100

86 62.1 44.6 82.8

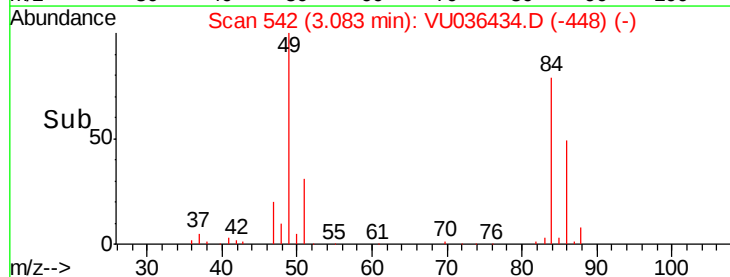
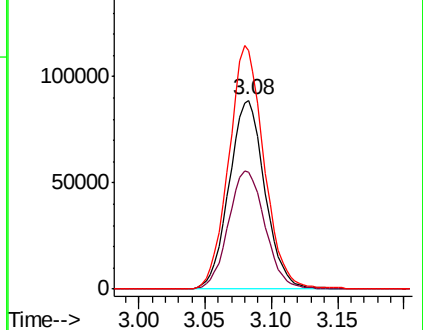
49 126.6 87.6 162.6

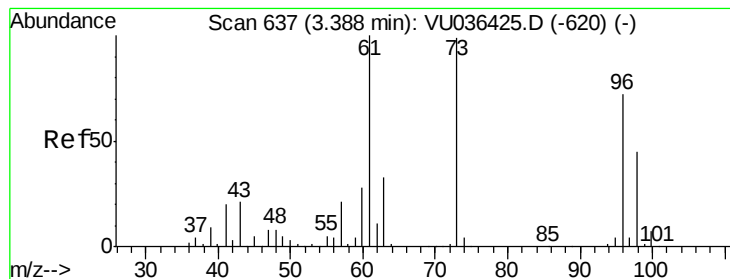


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.542 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

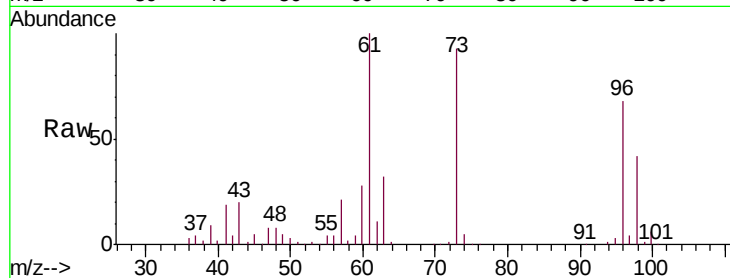
Tgt Ion: 96 Resp: 144386

Ion Ratio Lower Upper

96 100

61 146.6 96.2 178.8

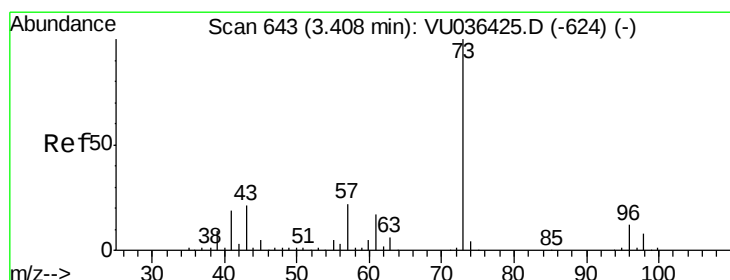
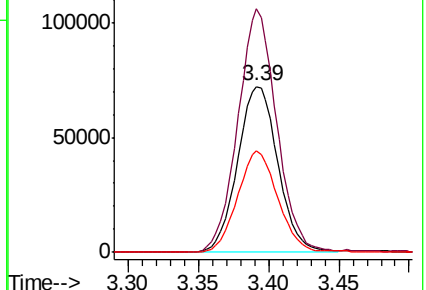
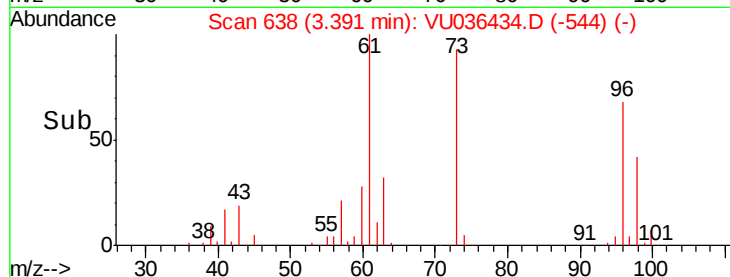
98 61.0 44.2 82.2



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: 52.382 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

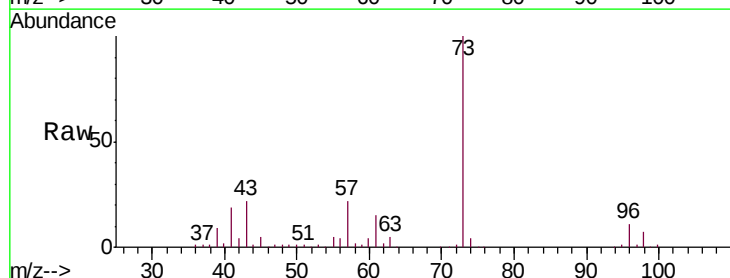
Tgt Ion: 73 Resp: 554580

Ion Ratio Lower Upper

73 100

43 21.3 16.3 24.5

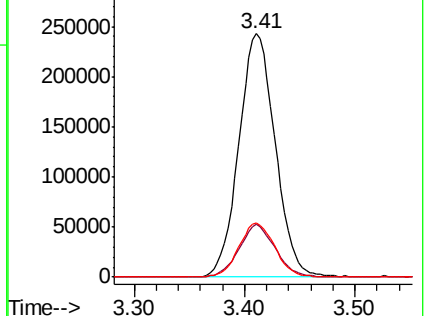
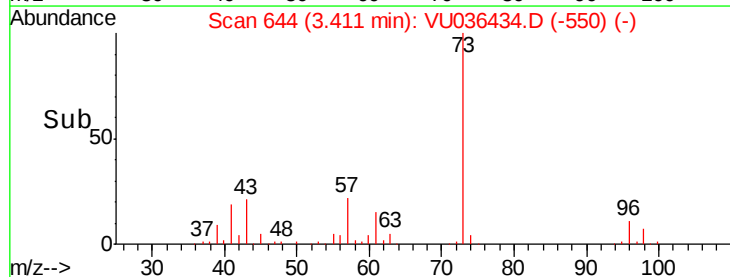
57 22.0 17.7 26.5

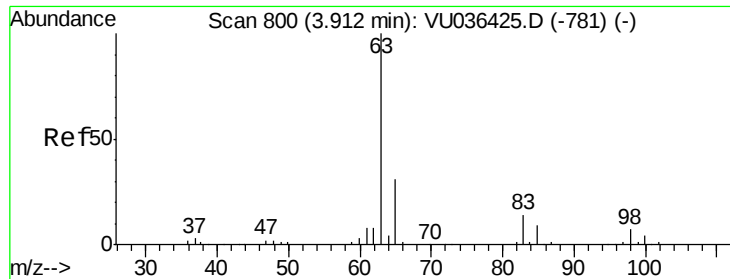


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

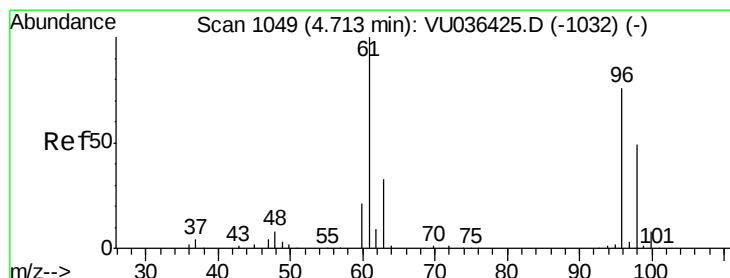
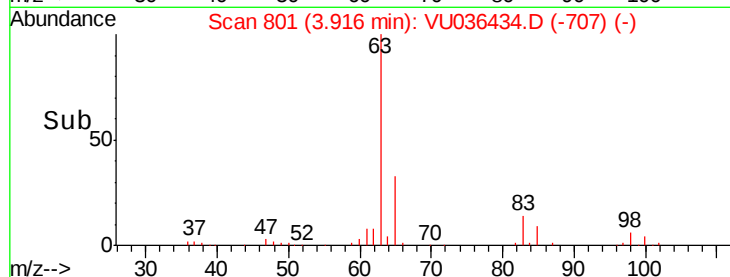
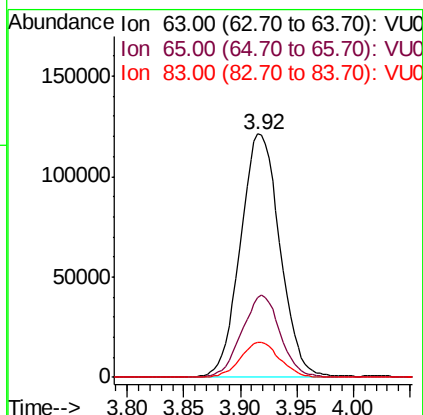
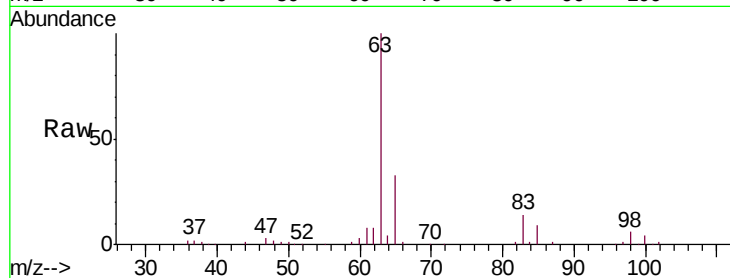




#19
 1,1-Dichloroethane
 Concen: 50.636 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

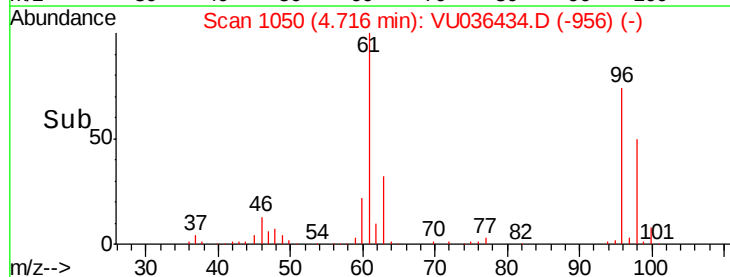
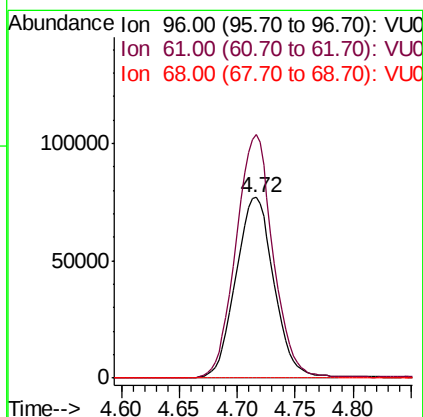
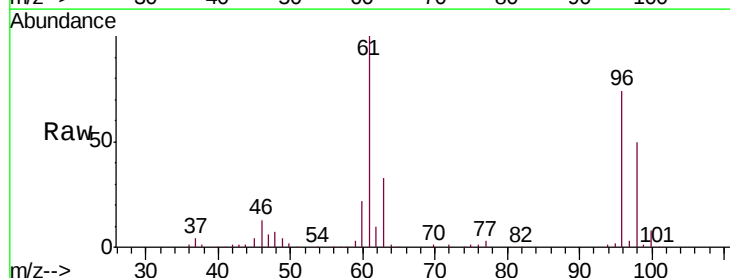
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

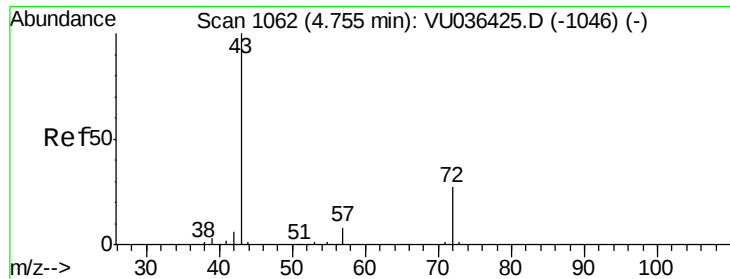
Tgt Ion: 63 Resp: 295807
 Ion Ratio Lower Upper
 63 100
 65 32.8 20.0 37.2
 83 14.4 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 50.109 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Tgt Ion: 96 Resp: 176643
 Ion Ratio Lower Upper
 96 100
 61 135.1 85.1 158.1
 68 0.0 0.1 0.3#





#22

2-Butanone

Concen: 93.895 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

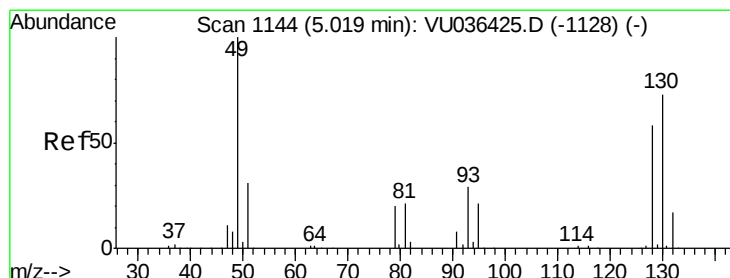
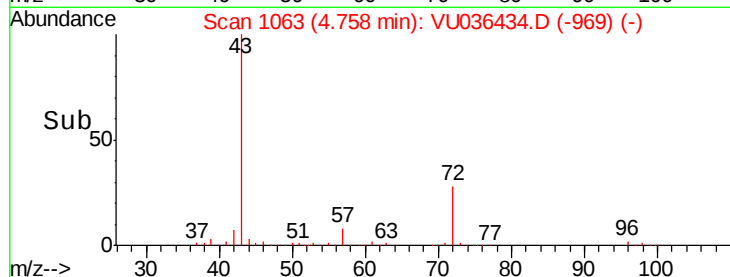
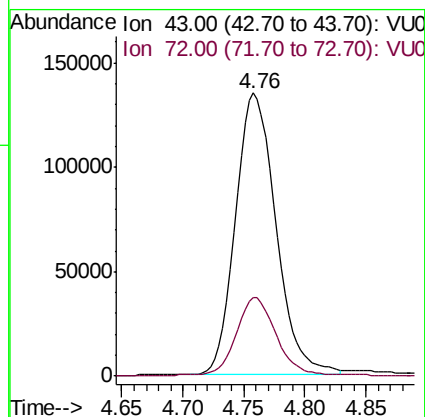
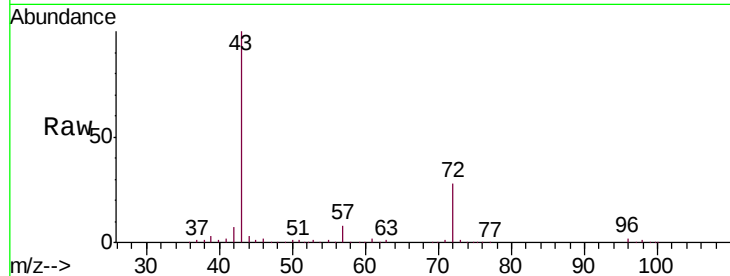
VSTD05059

Tgt Ion: 43 Resp: 311433

Ion Ratio Lower Upper

43 100

72 26.4 13.4 40.1



#23

Bromochloromethane

Concen: 50.876 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Tgt Ion: 128 Resp: 86095

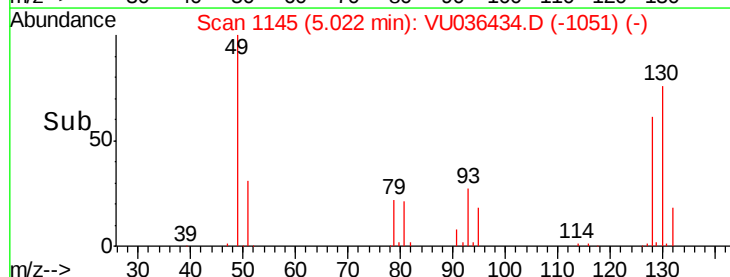
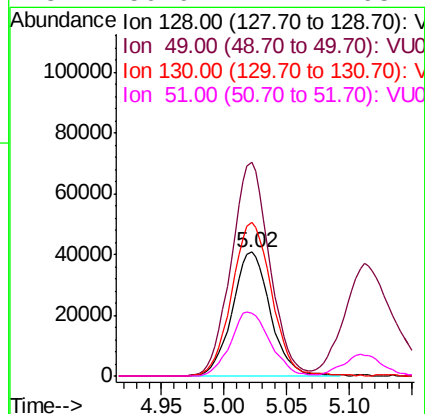
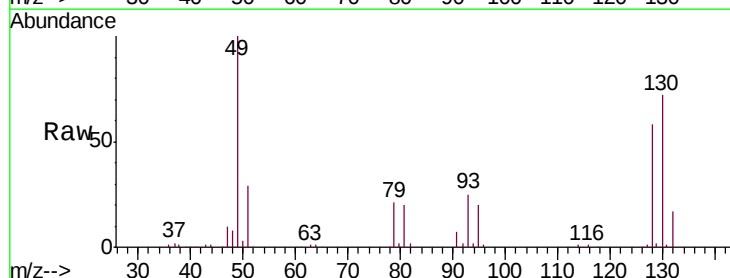
Ion Ratio Lower Upper

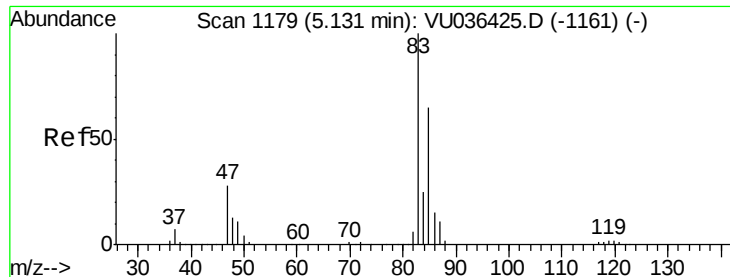
128 100

49 172.8 115.0 213.6

130 124.6 89.1 165.5

51 50.9 42.2 63.4

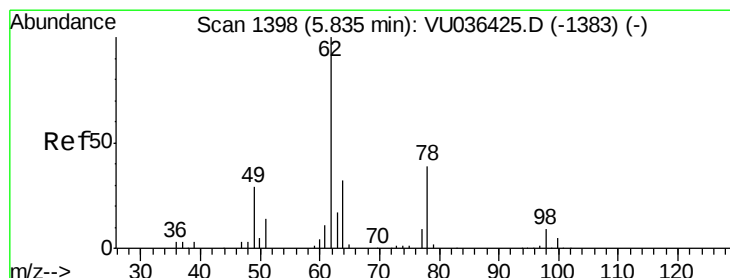
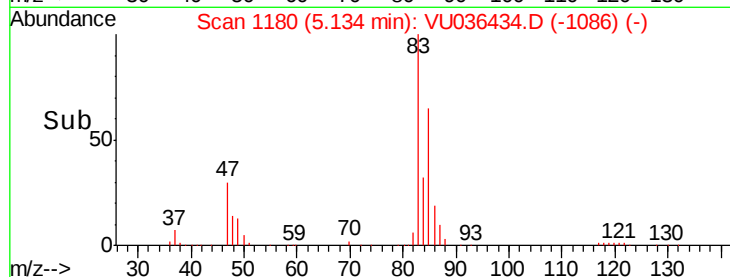
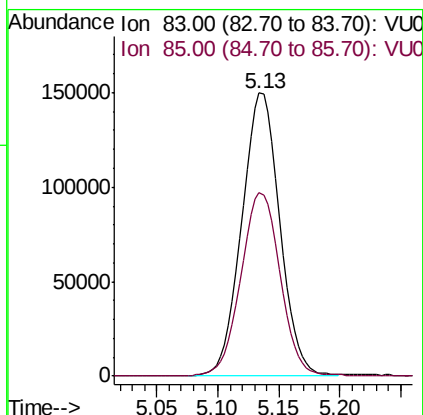
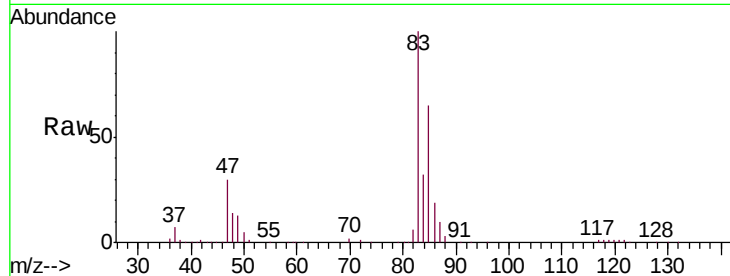




#25
Chloroform
Concen: 51.857 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

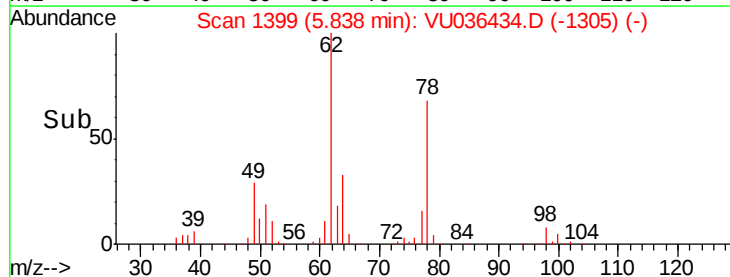
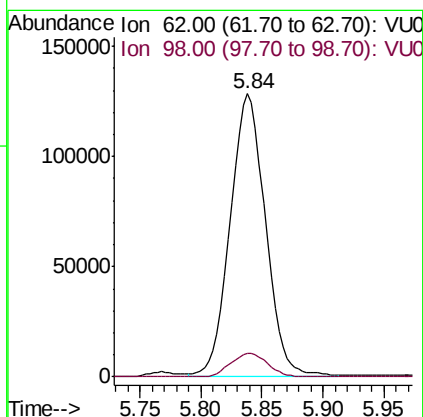
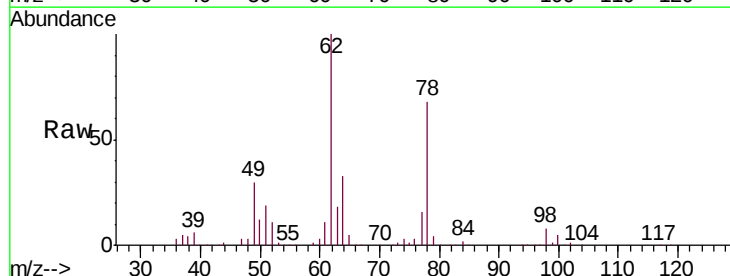
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

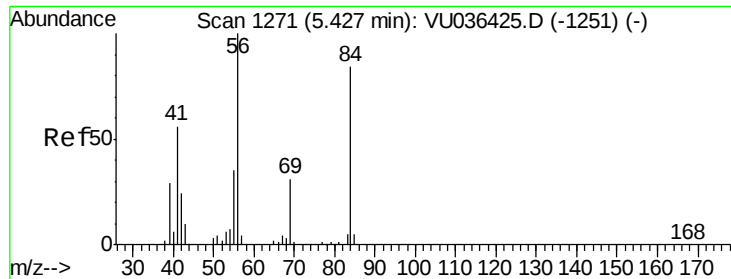
Tgt Ion: 83 Resp: 322785
Ion Ratio Lower Upper
83 100
85 64.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 53.596 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 62 Resp: 257884
Ion Ratio Lower Upper
62 100
98 8.2 7.3 10.9

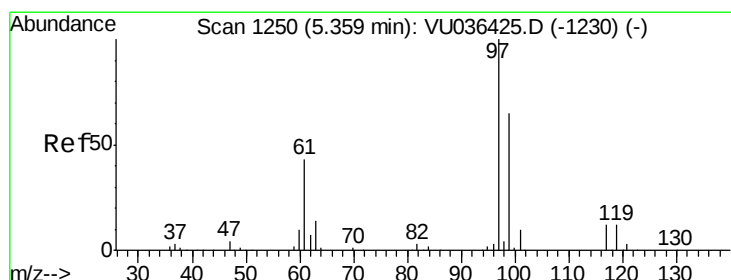
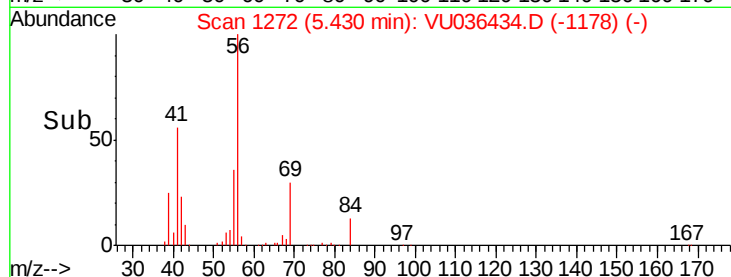
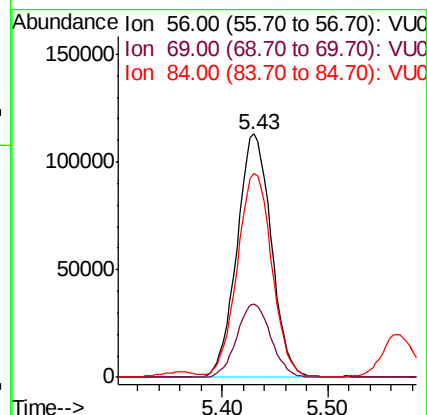
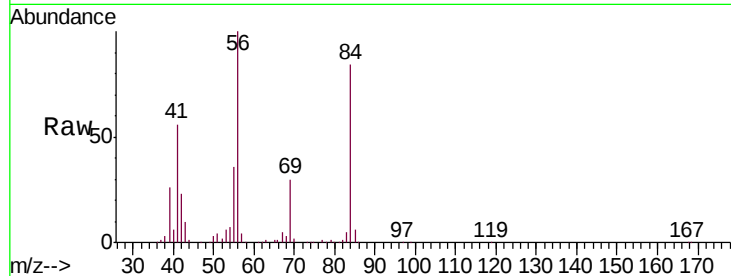




#29
Cyclohexane
Concen: 49.283 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

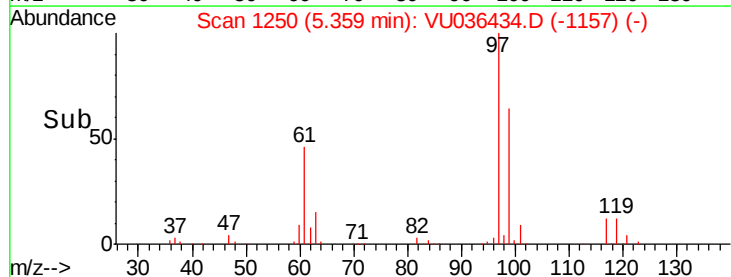
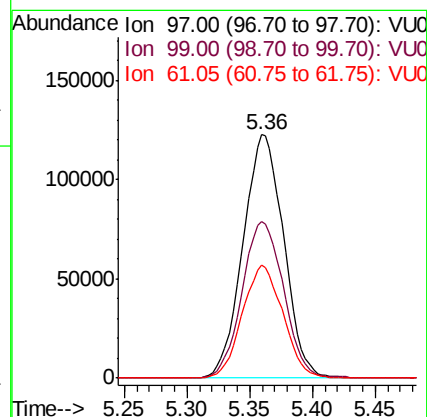
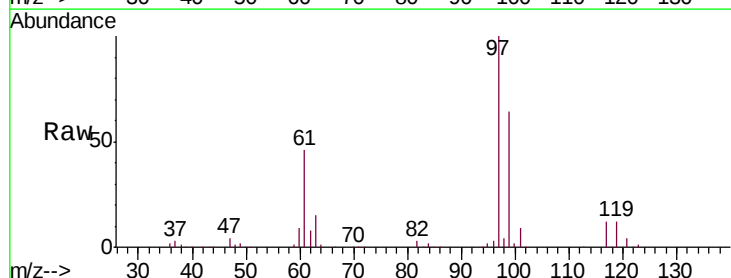
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

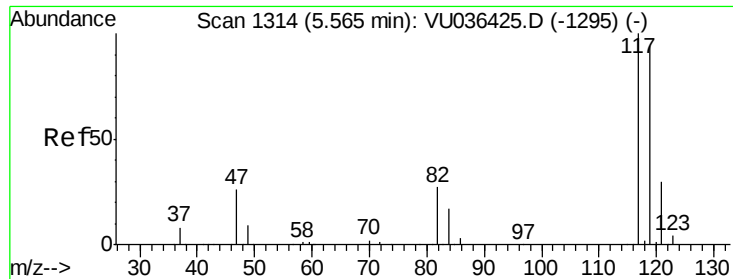
Tgt Ion: 56 Resp: 255220
Ion Ratio Lower Upper
56 100
69 29.9 24.8 37.2
84 84.6 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 50.576 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 97 Resp: 277054
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.4
61 46.1 34.7 52.1





#31

Carbon tetrachloride

Concen: 49.394 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

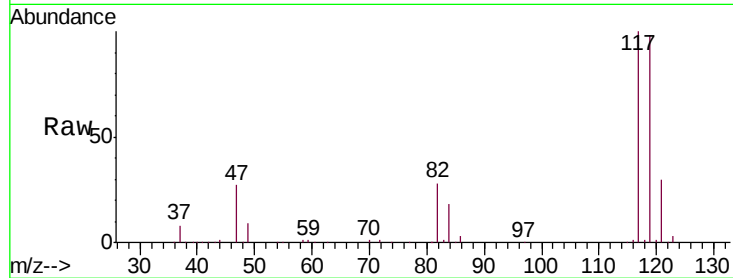
VSTD05059

Tgt Ion:117 Resp: 234549

Ion Ratio Lower Upper

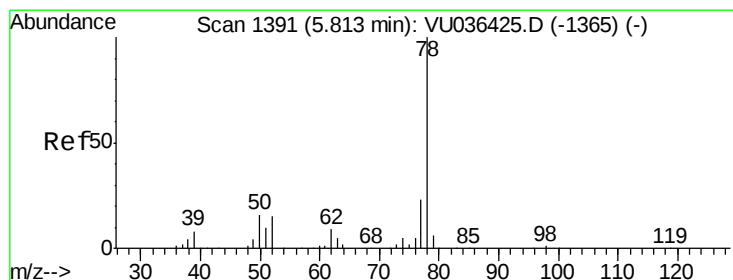
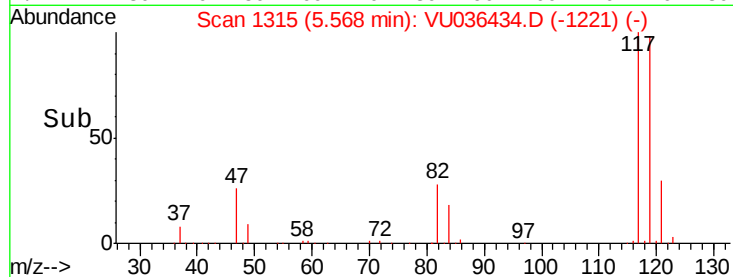
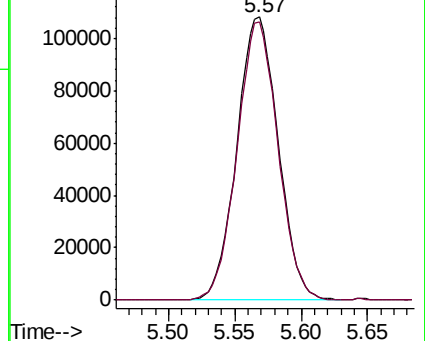
117 100

119 97.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.964 ug/L

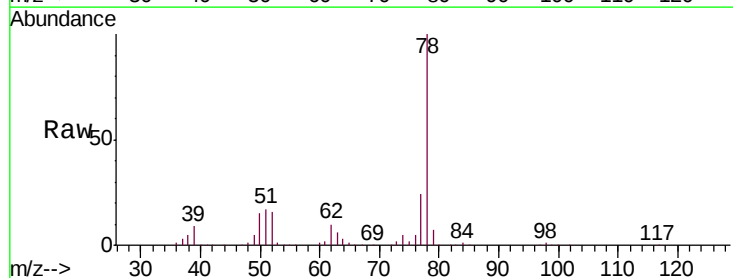
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

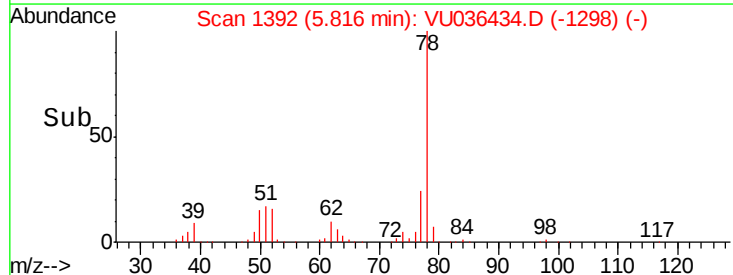
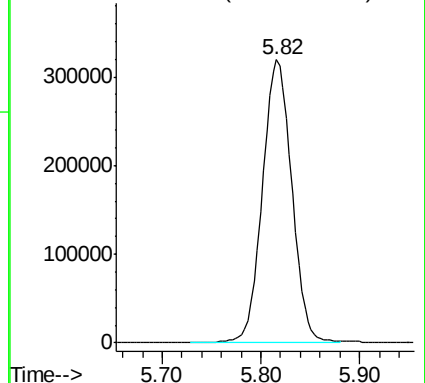
Lab File: VU036434.D

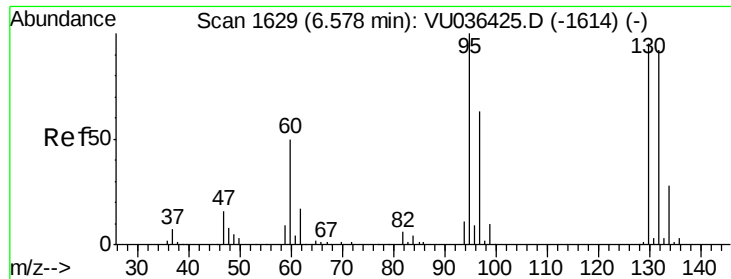
Acq: 10 Jan 2020 17:43

Tgt Ion: 78 Resp: 656004



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.121 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 173038

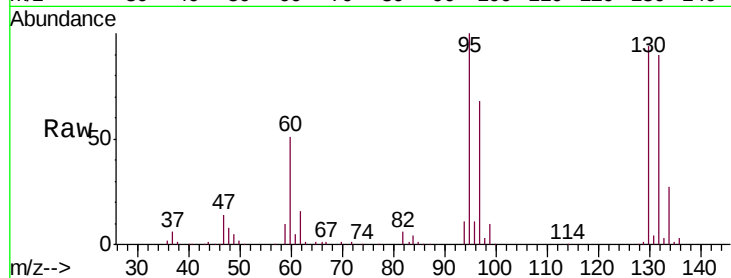
Ion Ratio Lower Upper

95 100

97 68.0 44.5 82.7

132 90.2 64.5 119.9

130 93.9 66.6 123.8

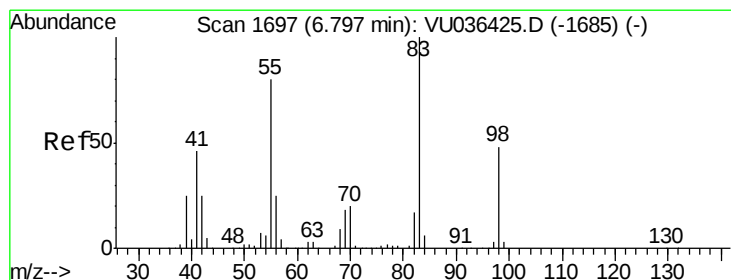
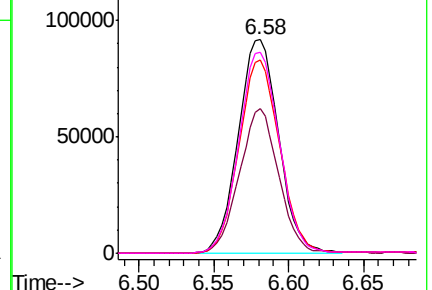
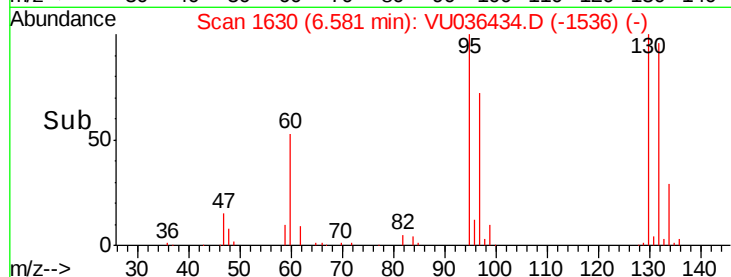


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.054 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

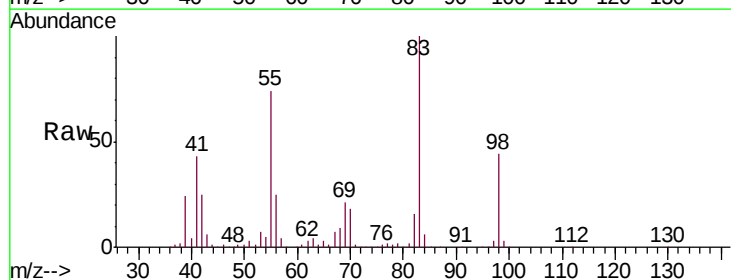
Tgt Ion: 83 Resp: 254219

Ion Ratio Lower Upper

83 100

55 76.1 60.0 90.0

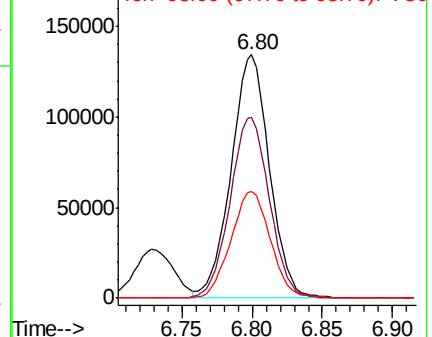
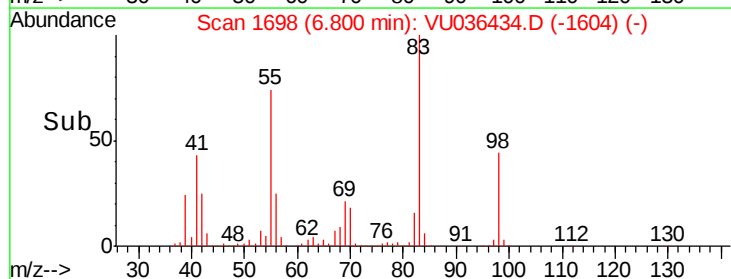
98 45.1 36.2 54.4

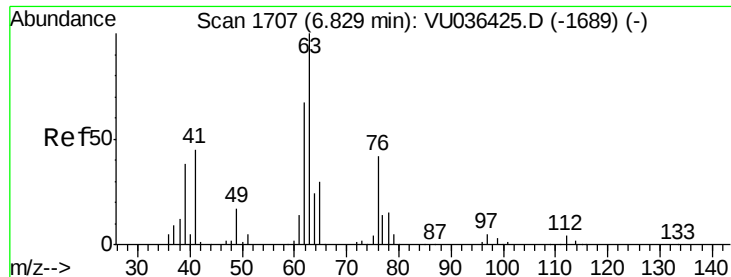


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

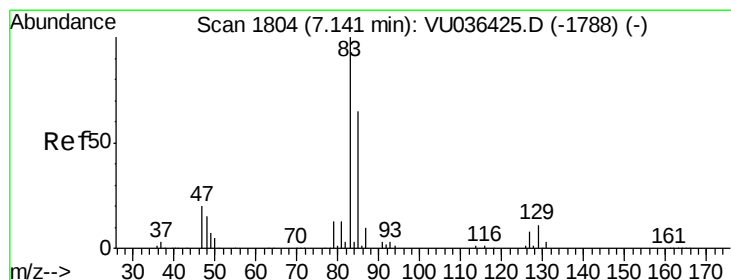
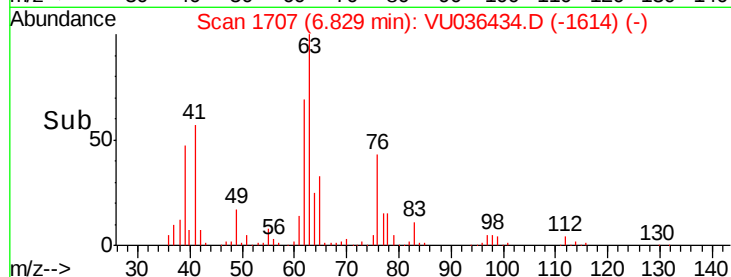
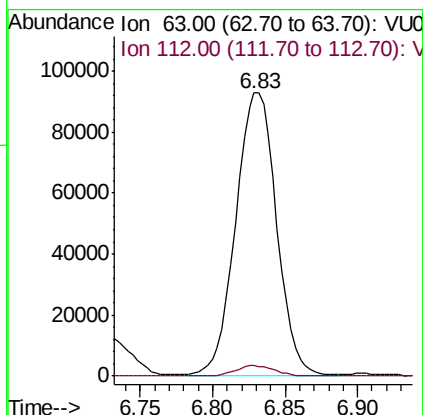
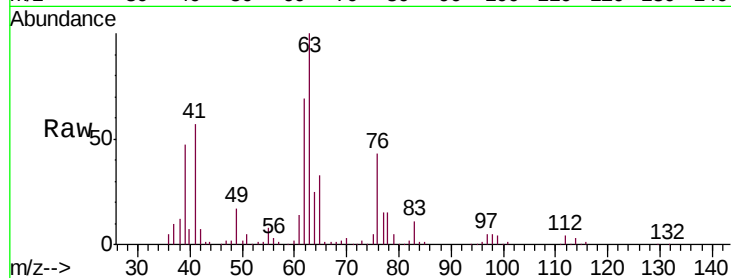




#37
 1,2-Dichloropropane
 Concen: 50.992 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

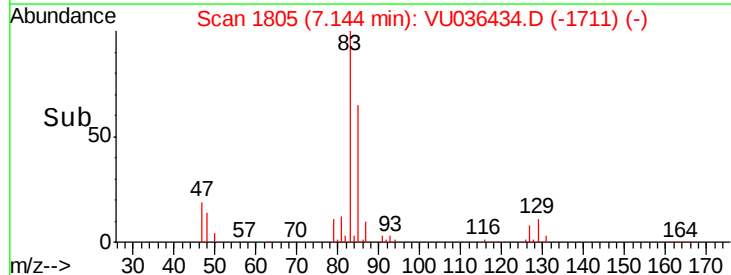
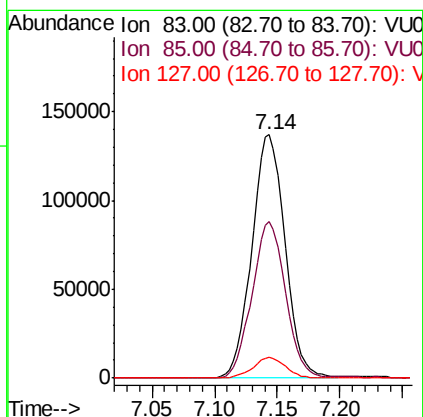
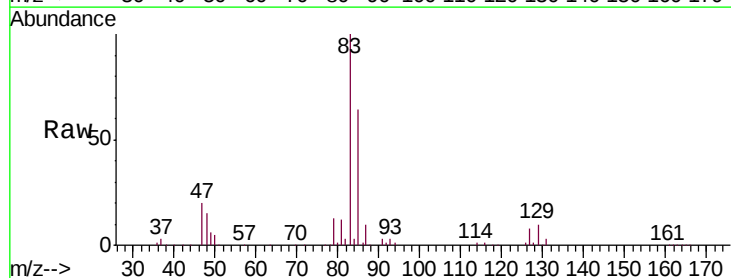
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

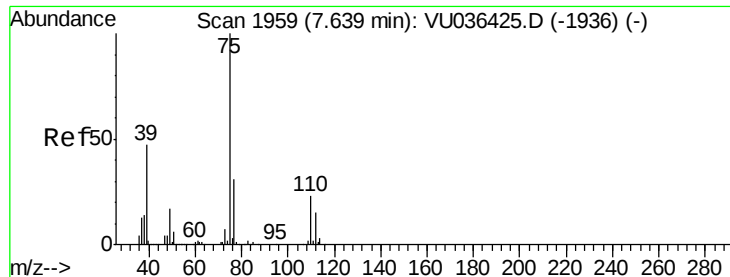
Tgt Ion: 63 Resp: 181292
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 50.255 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Tgt Ion: 83 Resp: 252062
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 9.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 49.898 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

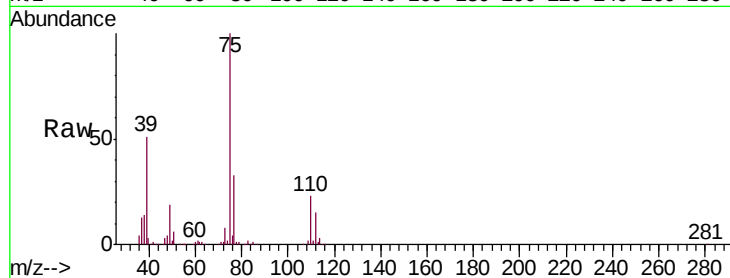
VSTD05059

Tgt Ion: 75 Resp: 296987

Ion Ratio Lower Upper

75 100

77 32.8 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

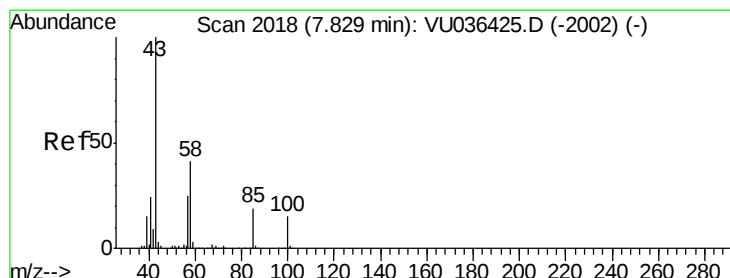
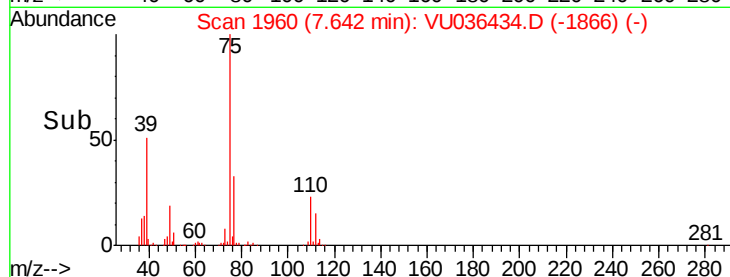
100000

50000

0

7.50 7.60 7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 98.755 ug/L

RT: 7.83 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

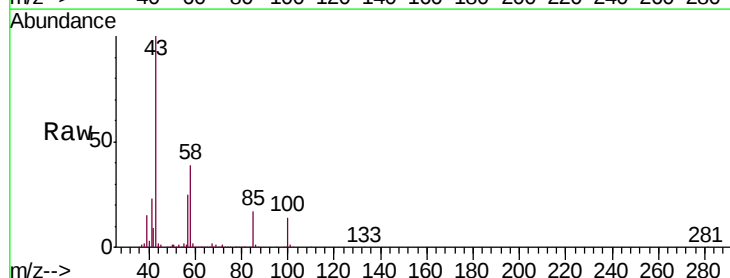
Tgt Ion: 43 Resp: 596632

Ion Ratio Lower Upper

43 100

58 39.2 31.6 47.4

100 13.8 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

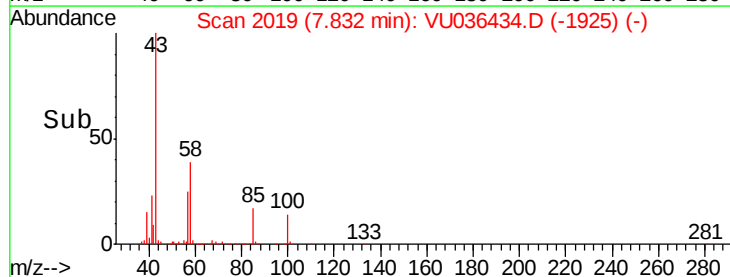
200000

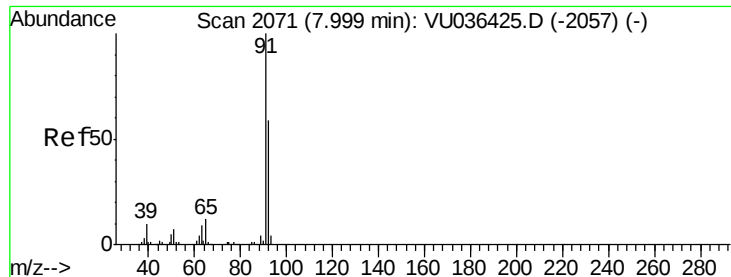
100000

0

7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 49.938 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

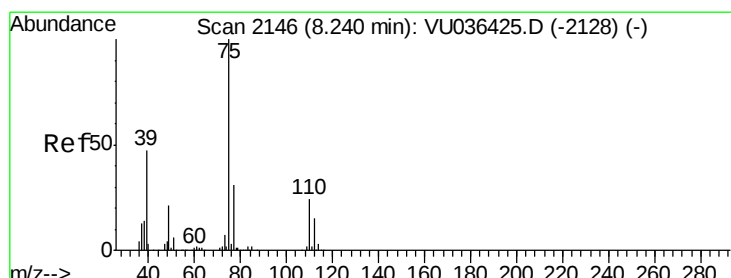
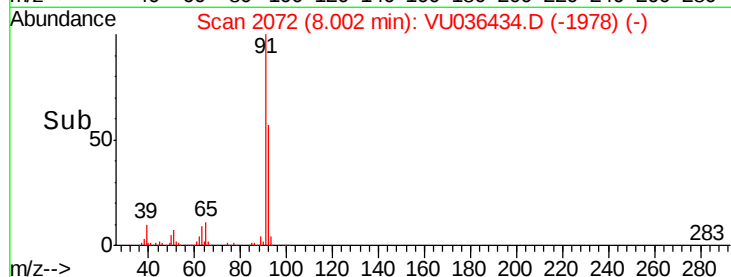
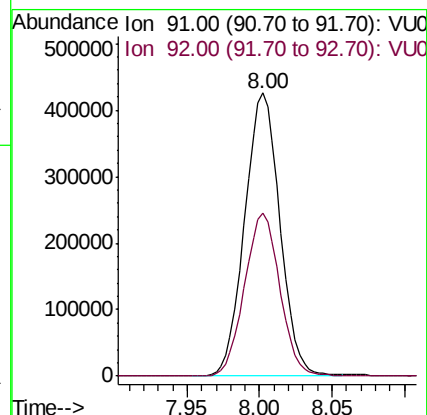
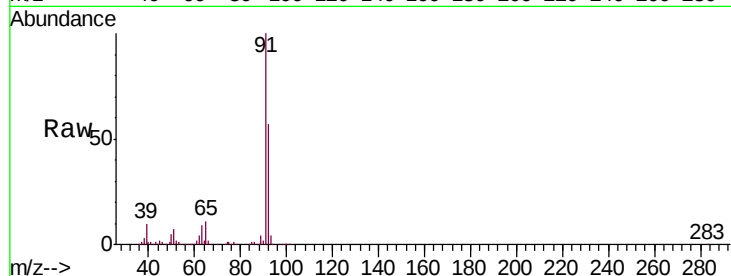
VSTD05059

Tgt Ion: 91 Resp: 721986

Ion Ratio Lower Upper

91 100

92 57.4 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 48.051 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036434.D

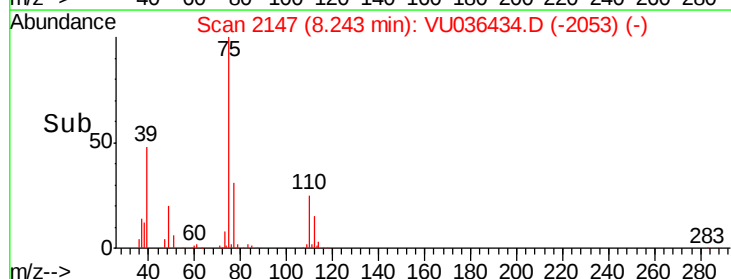
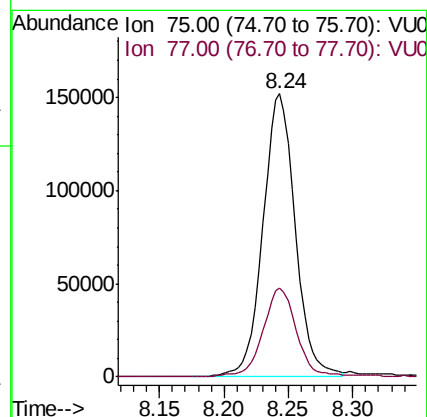
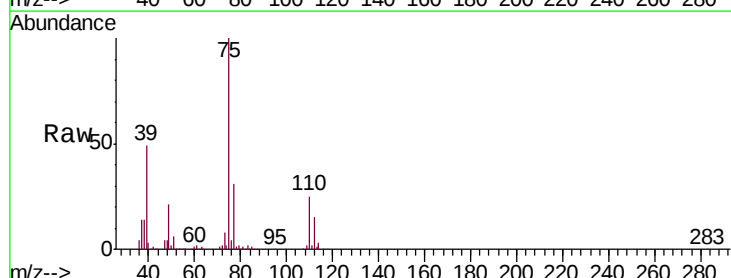
Acq: 10 Jan 2020 17:43

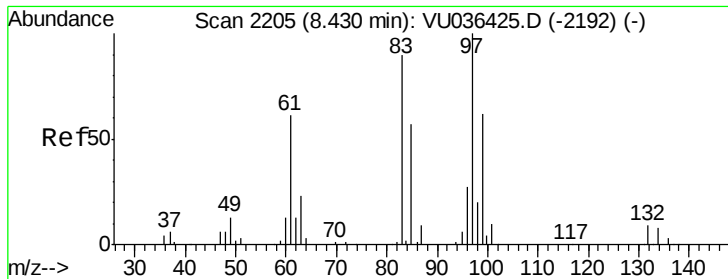
Tgt Ion: 75 Resp: 266432

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9

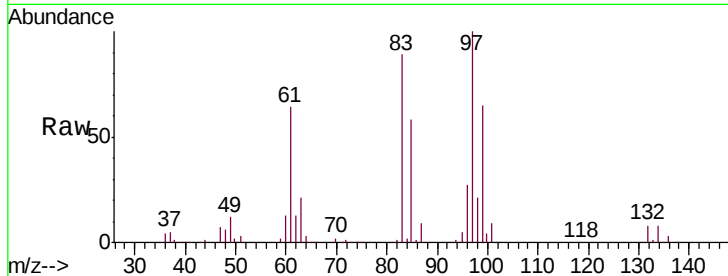




#45
 1,1,2-Trichloroethane
 Concen: 53.994 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion:	97	Resp:	179091
Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.2	82.2
83	89.2	62.5	116.1
85	58.4	38.1	70.7



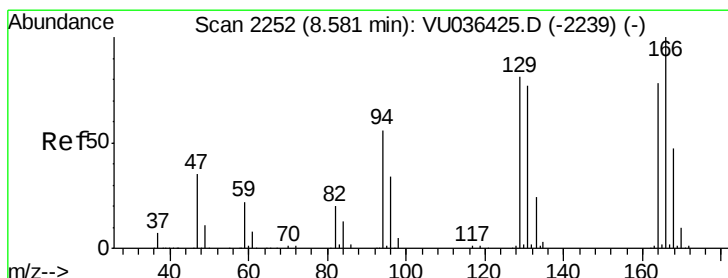
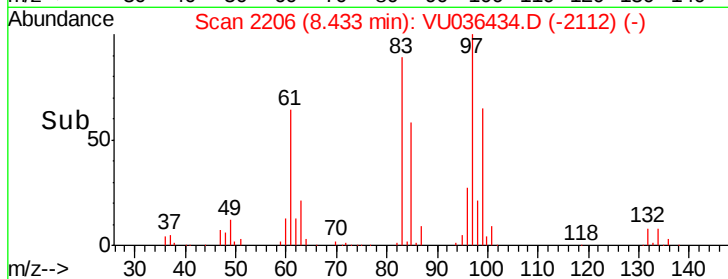
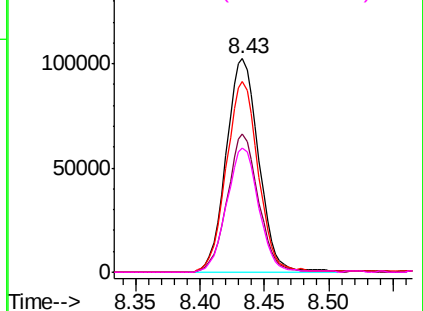
Abundance

Ion 97.00 (96.70 to 97.70): VU036434.D (-2192) (-)

Ion 99.00 (98.70 to 99.70): VU036434.D (-2192) (-)

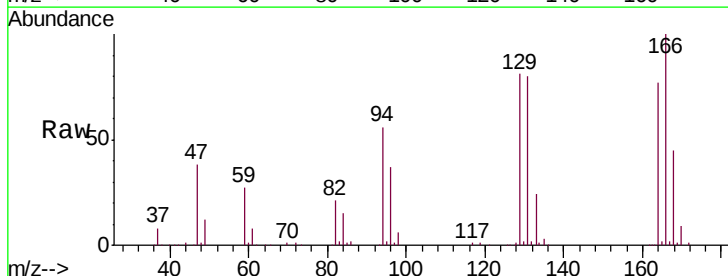
Ion 83.00 (82.70 to 83.70): VU036434.D (-2192) (-)

Ion 85.00 (84.70 to 85.70): VU036434.D (-2192) (-)



#46
 Tetrachloroethene
 Concen: 46.703 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Tgt Ion:	164	Resp:	113742
Ion	Ratio	Lower	Upper
164	100		
129	104.8	70.0	130.0
131	103.5	70.1	130.1
166	129.3	87.2	161.9



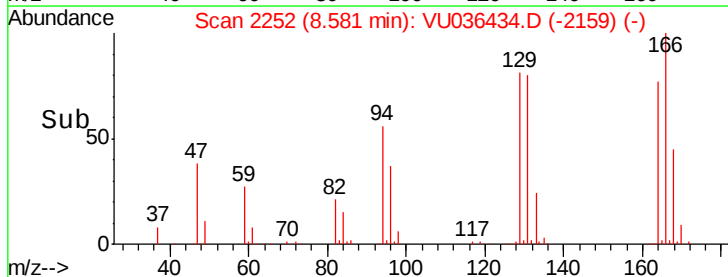
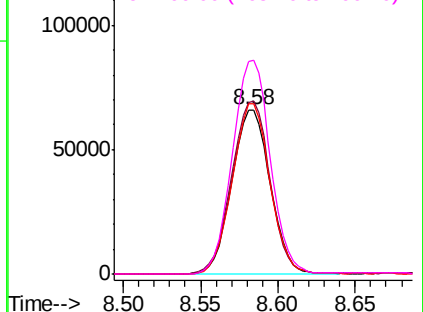
Abundance

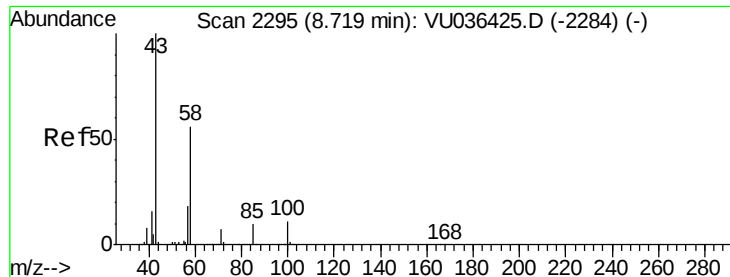
Ion 164.00 (163.70 to 164.70): VU036434.D (-2239) (-)

Ion 129.00 (128.70 to 129.70): VU036434.D (-2239) (-)

Ion 131.00 (130.70 to 131.70): VU036434.D (-2239) (-)

Ion 166.00 (165.70 to 166.70): VU036434.D (-2239) (-)

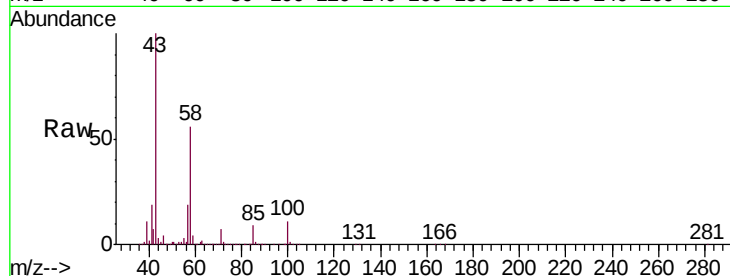




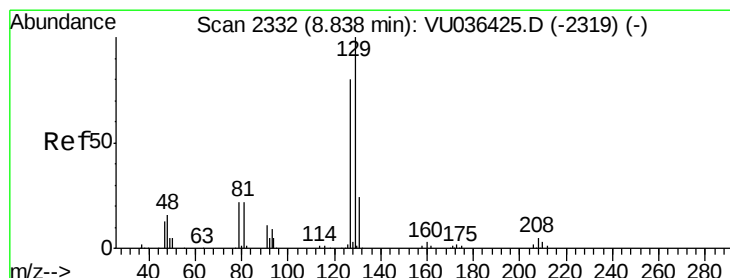
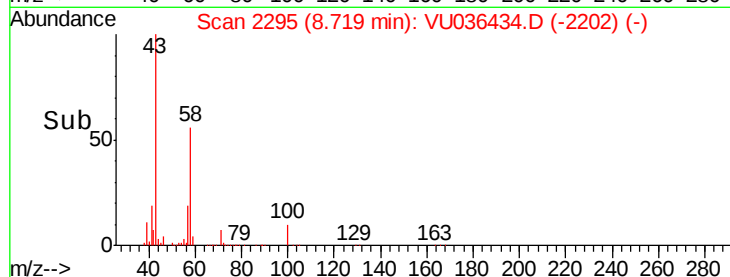
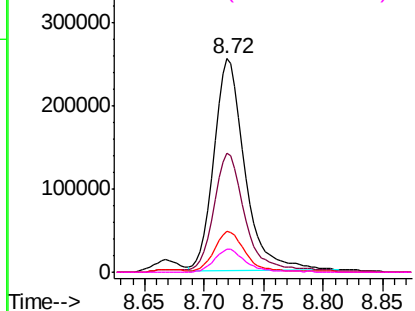
#48
2-Hexanone
Concen: 98.075 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 455916
Ion Ratio Lower Upper
43 100
58 58.6 42.2 63.4
57 18.0 14.8 22.2
100 11.0 8.8 13.2

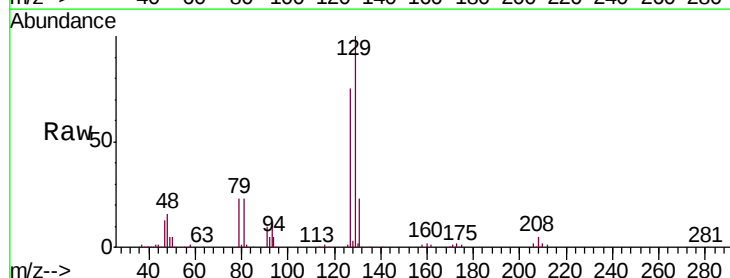


Abundance Ion 43.00 (42.70 to 43.70): VU036434.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VU036434.D (-2295) (-)
Ion 57.00 (56.70 to 57.70): VU036434.D (-2295) (-)
Ion 100.00 (99.70 to 100.70): VU036434.D (-2295) (-)

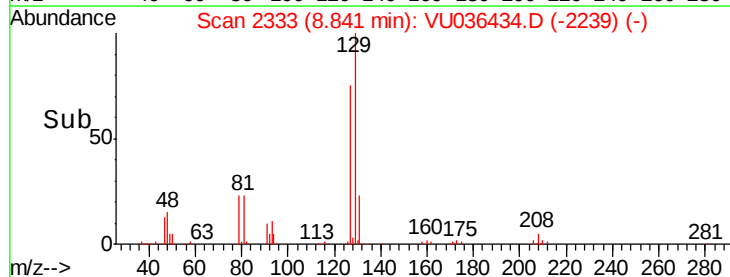
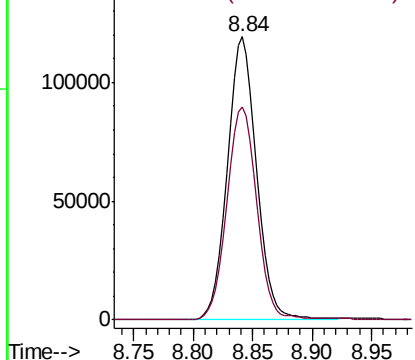


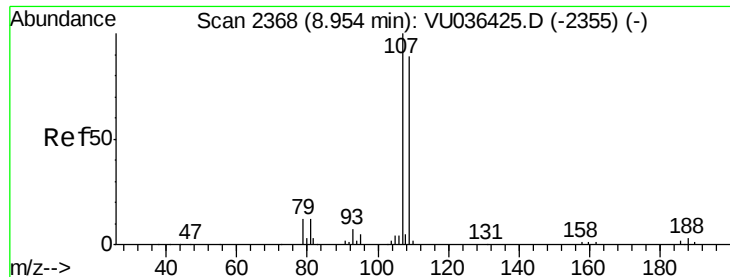
#49
Dibromochloromethane
Concen: 49.871 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Tgt Ion: 129 Resp: 203040
Ion Ratio Lower Upper
129 100
127 75.4 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): VU036434.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036434.D (-2332) (-)

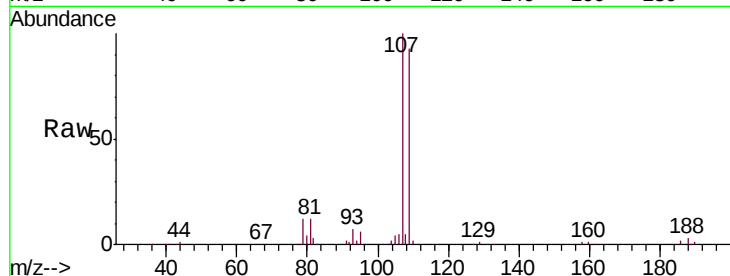




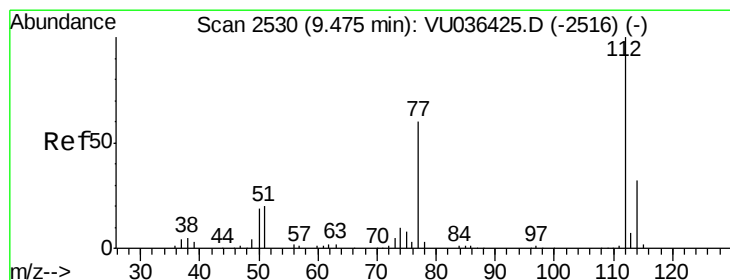
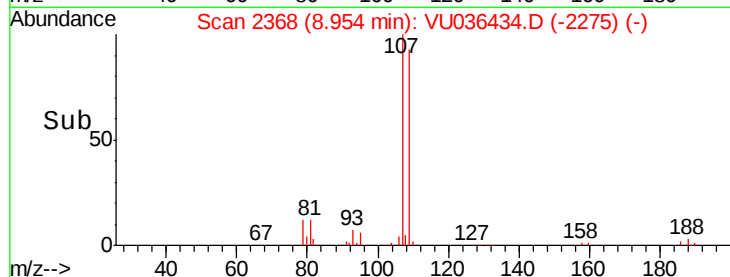
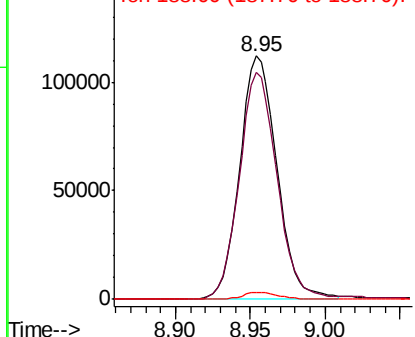
#50
1,2-Dibromoethane
Concen: 50.602 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	67.3	124.9
188	3.0	2.6	3.8

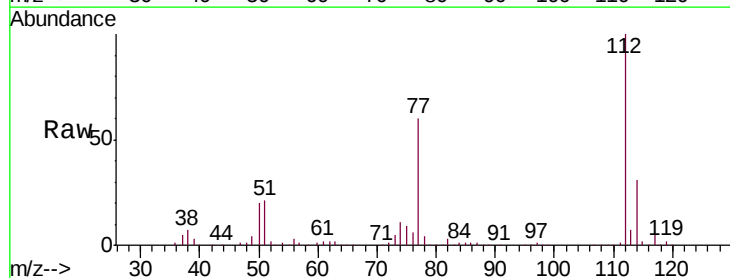


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

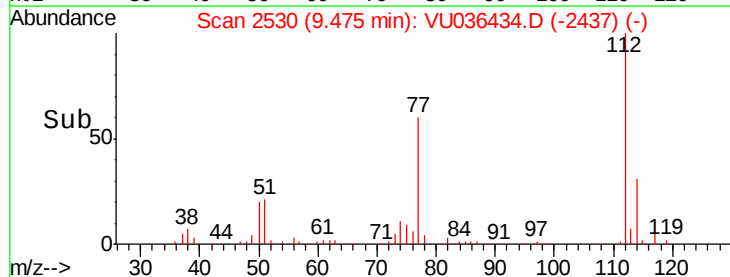
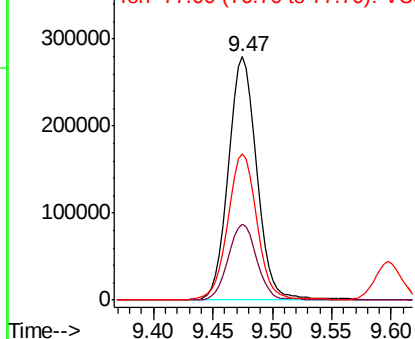


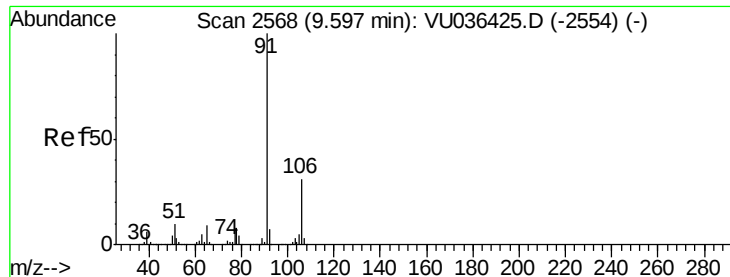
#51
Chlorobenzene
Concen: 50.816 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036434.D
Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.5	41.7
77	60.2	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): VU





#52

Ethylbenzene

Concen: 49.651 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

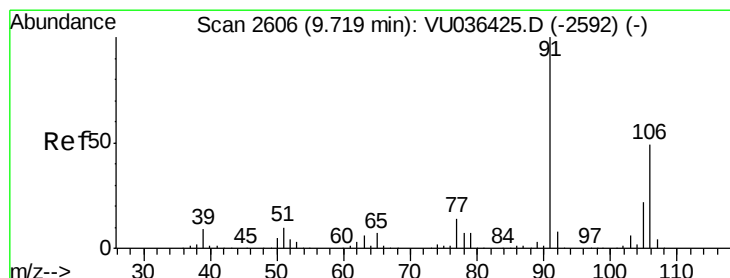
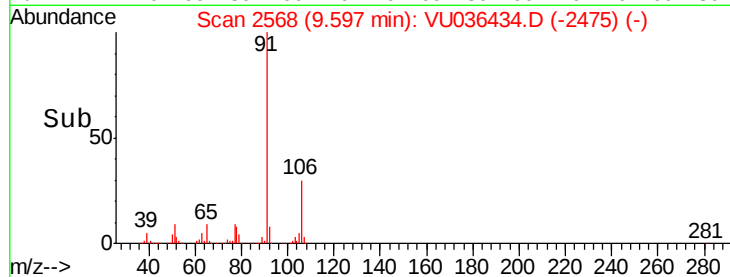
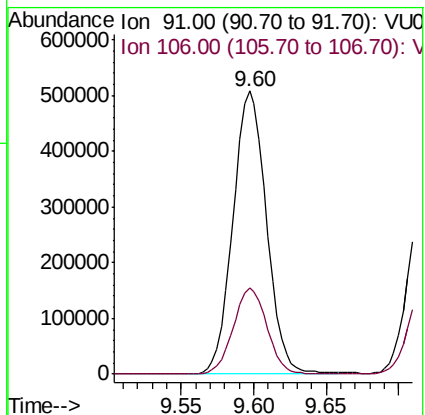
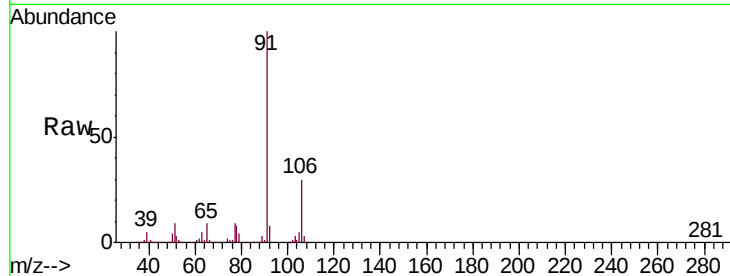
VSTD05059

Tgt Ion: 91 Resp: 817009

Ion Ratio Lower Upper

91 100

106 30.4 22.0 40.8



#53

m,p-Xylene

Concen: 49.485 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036434.D

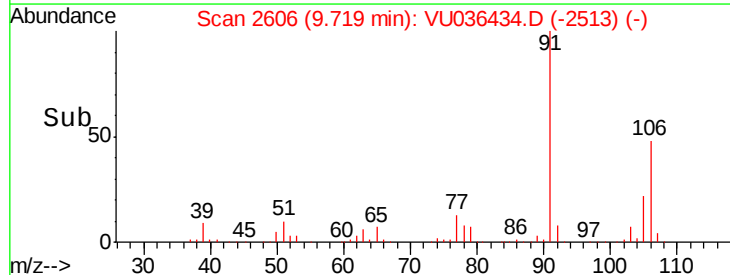
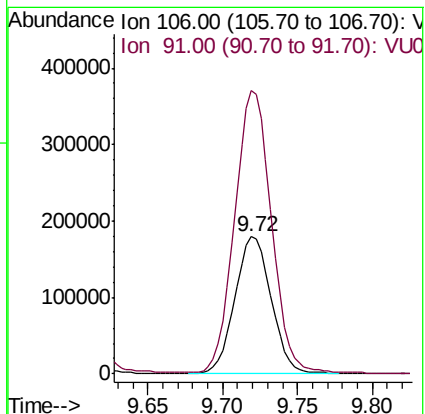
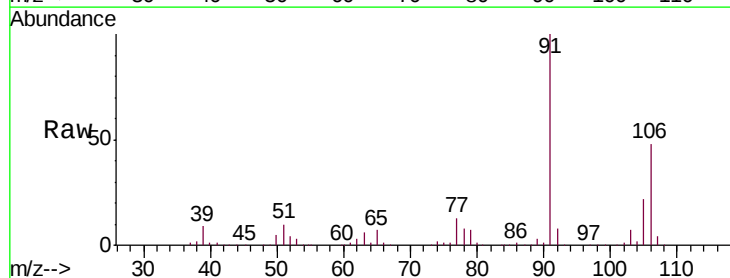
Acq: 10 Jan 2020 17:43

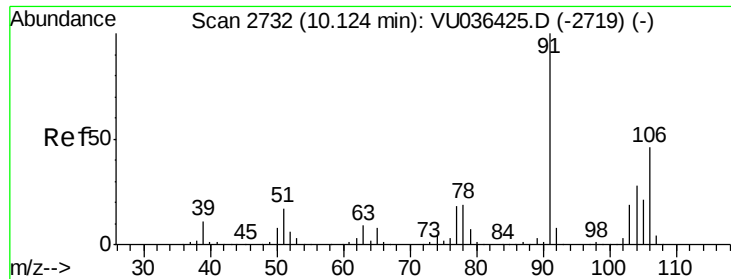
Tgt Ion: 106 Resp: 302051

Ion Ratio Lower Upper

106 100

91 206.6 146.8 272.6





#54

o-xylene

Concen: 49.789 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

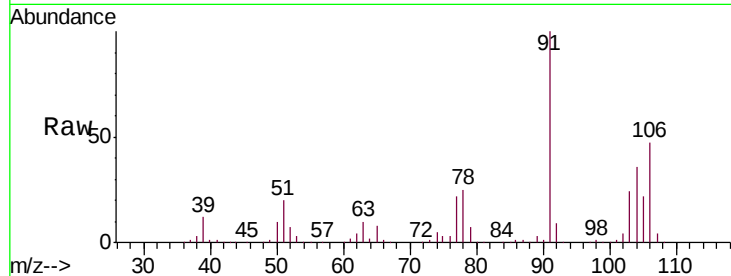
VSTD05059

Tgt Ion:106 Resp: 304935

Ion Ratio Lower Upper

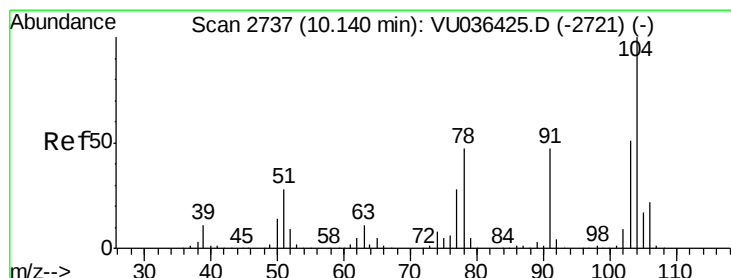
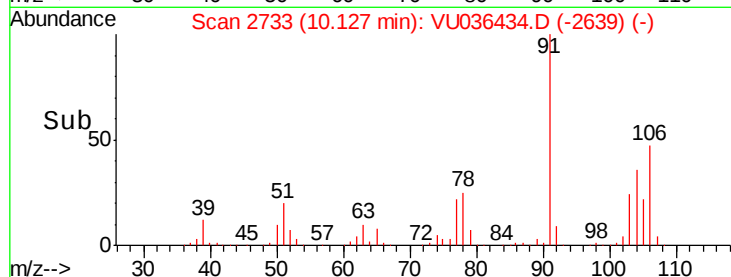
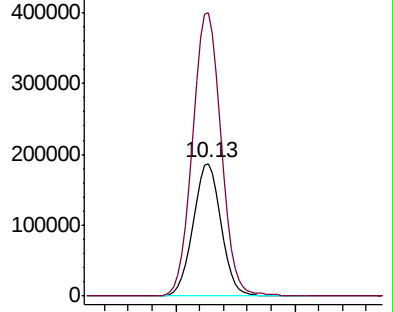
106 100

91 212.9 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.262 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036434.D

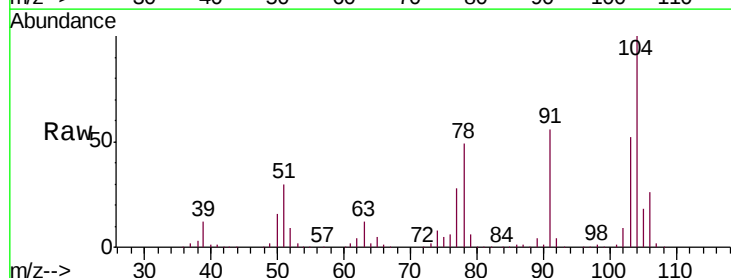
Acq: 10 Jan 2020 17:43

Tgt Ion:104 Resp: 510137

Ion Ratio Lower Upper

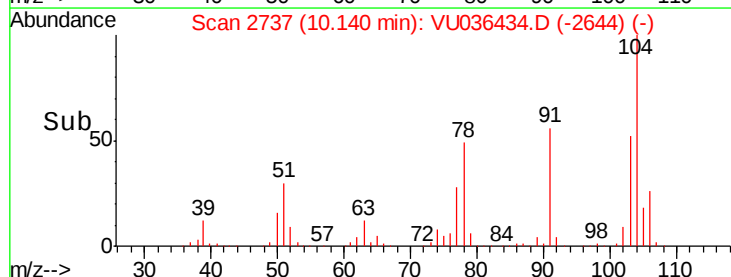
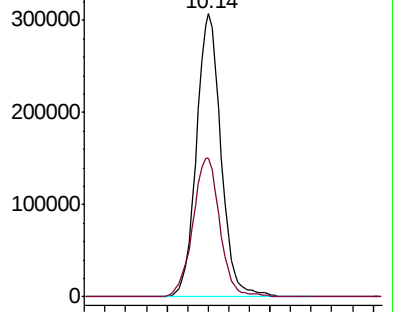
104 100

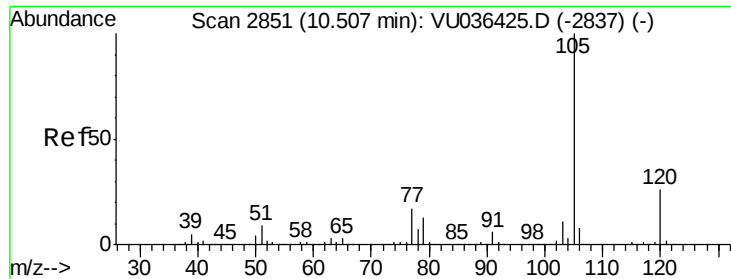
78 48.9 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.317 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

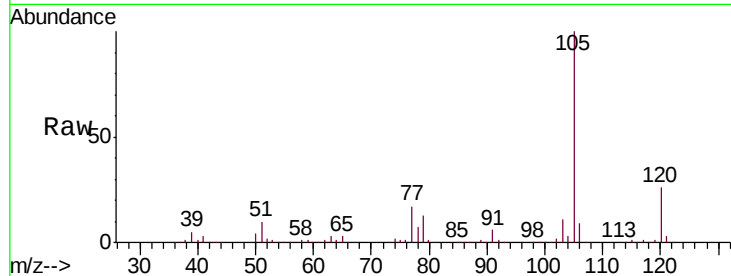
Tgt Ion: 105 Resp: 803207

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

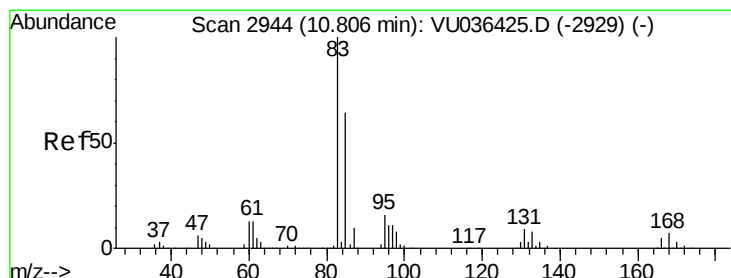
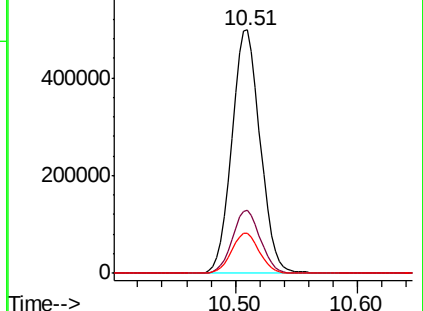
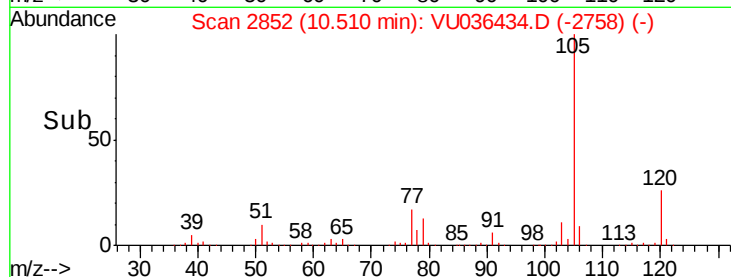
77 16.3 13.3 19.9



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: 49.835 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

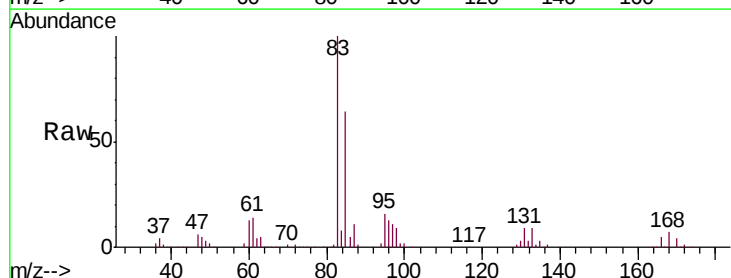
Tgt Ion: 83 Resp: 312449

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

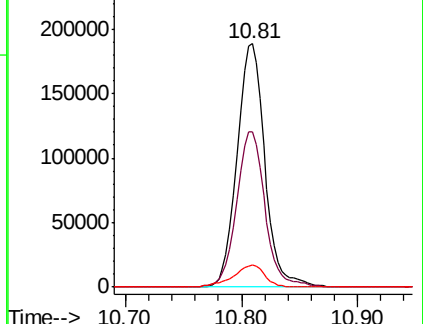
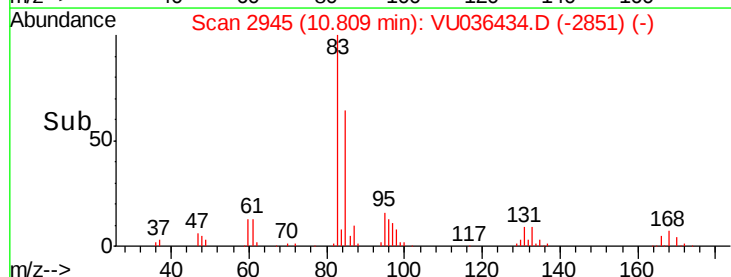
131 9.0 7.5 11.3

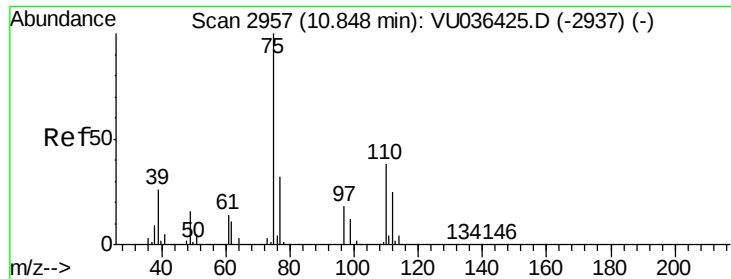


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.067 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

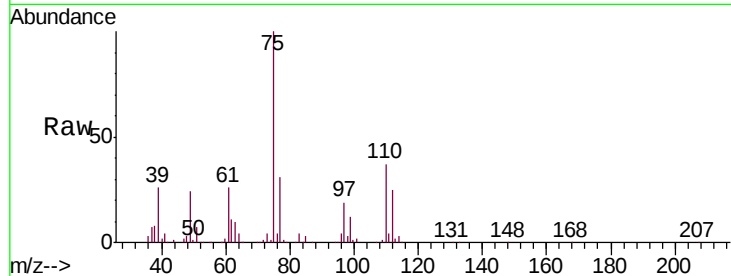
VSTD05059

Tgt Ion: 75 Resp: 259724

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU036425.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU036425.D (-2937) (-)

10.85

150000

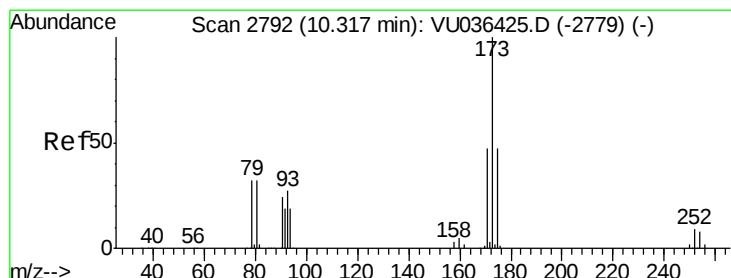
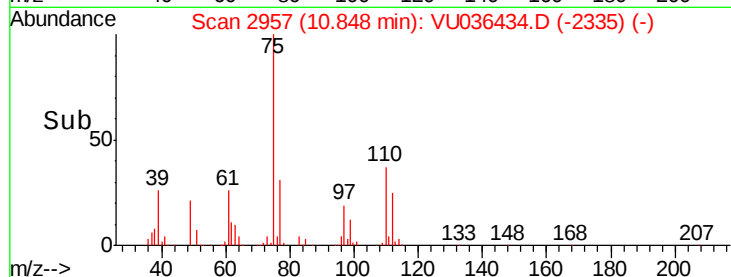
100000

50000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 46.501 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

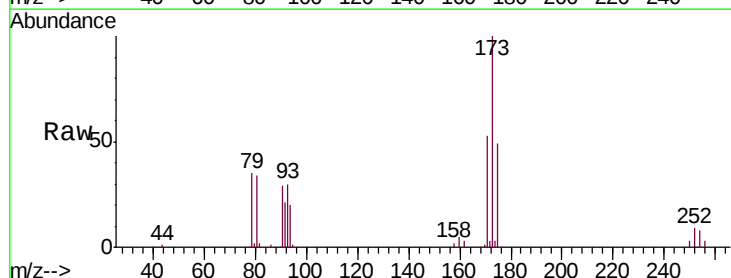
Tgt Ion: 173 Resp: 142030

Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 8.1 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): VU036425.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU036425.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU036425.D (-2779) (-)

10.32

100000

80000

60000

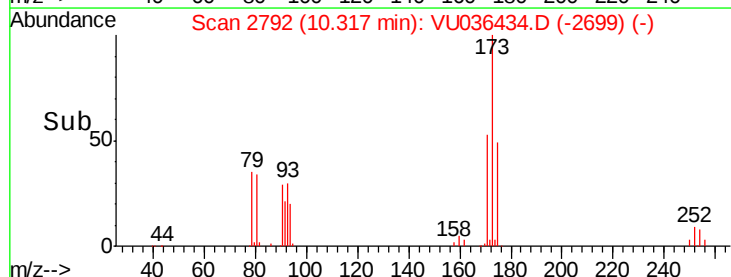
40000

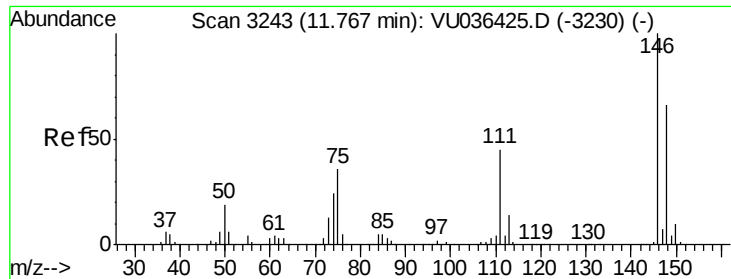
20000

0

10.30 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.569 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

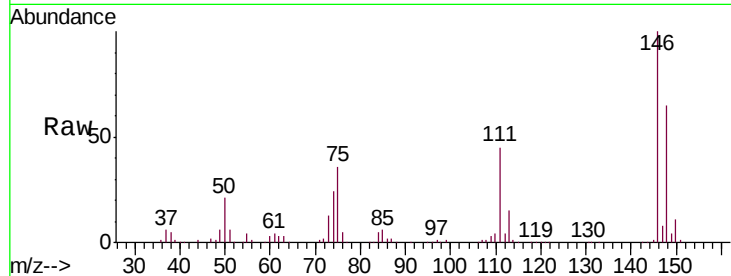
Tgt Ion:146 Resp: 329231

Ion Ratio Lower Upper

146 100

111 44.8 29.1 54.1

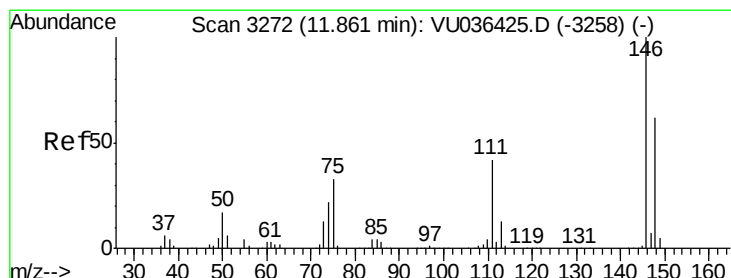
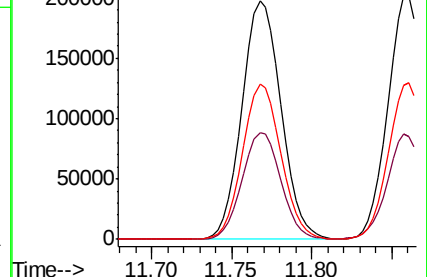
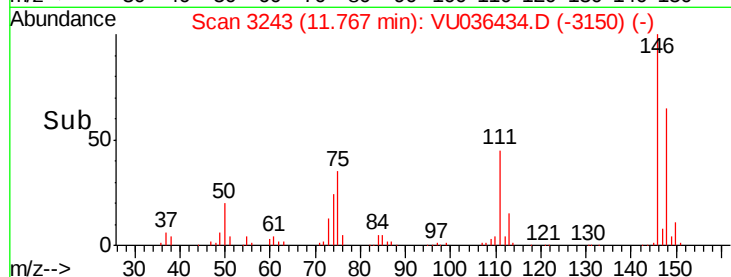
148 65.0 46.9 87.1



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



#63

1,4-Dichlorobenzene

Concen: 49.894 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

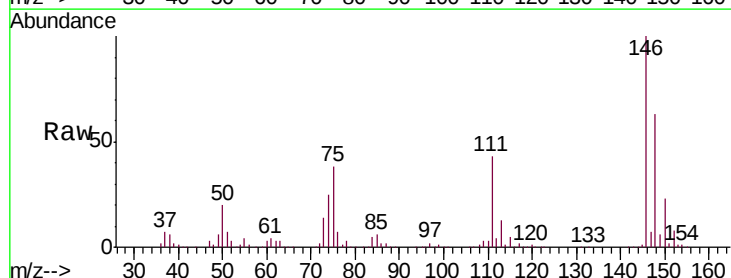
Tgt Ion:146 Resp: 328728

Ion Ratio Lower Upper

146 100

111 43.4 29.7 55.1

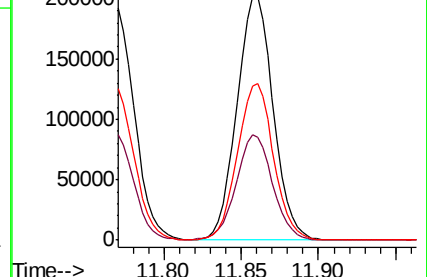
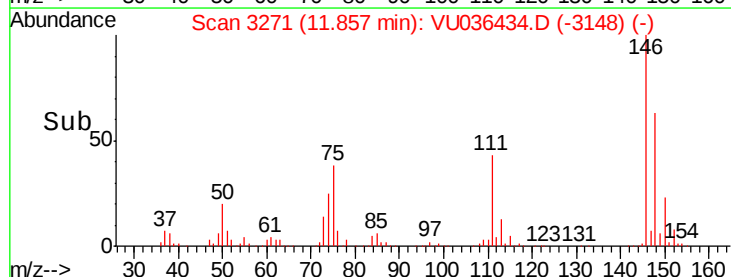
148 63.2 45.6 84.6

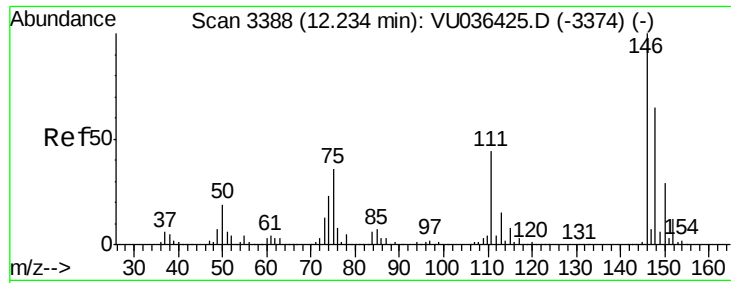


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

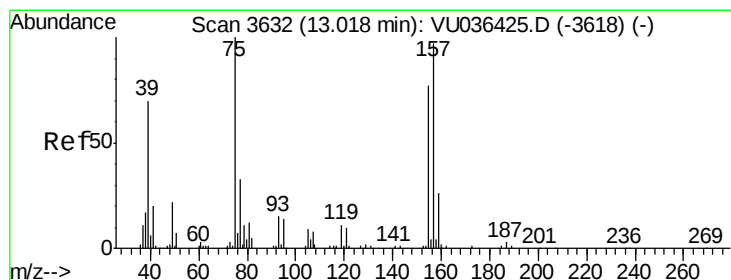
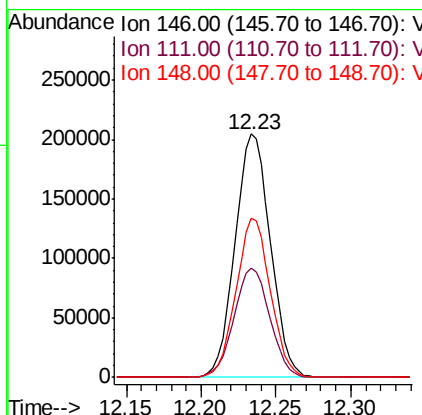
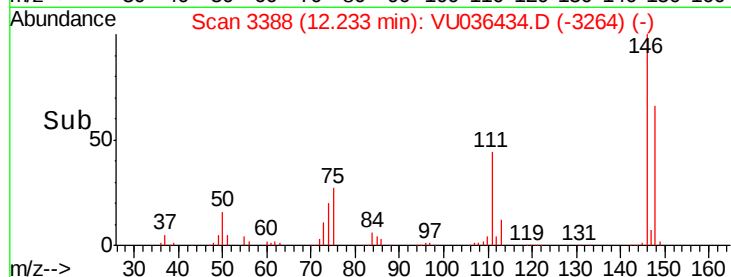
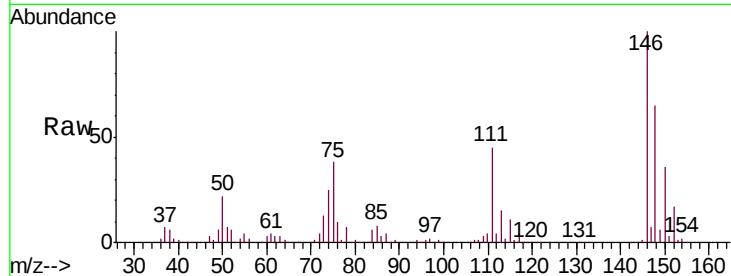




#65
 1,2-Dichlorobenzene
 Concen: 50.503 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

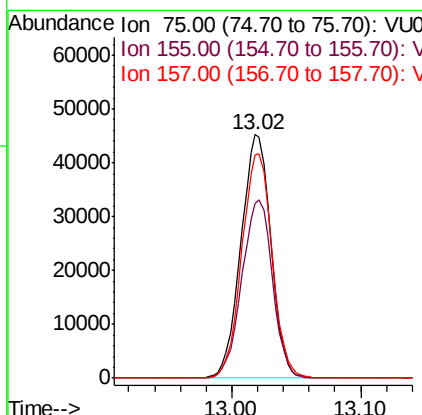
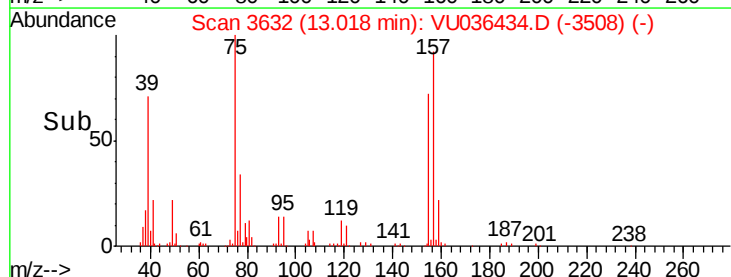
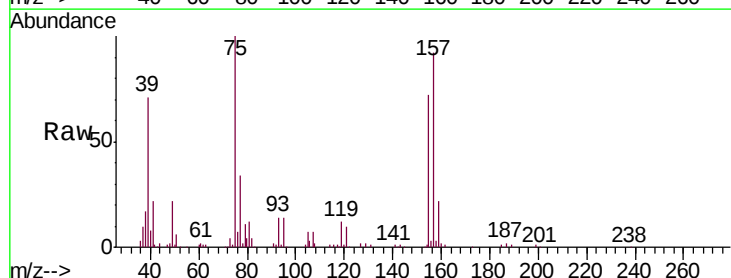
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

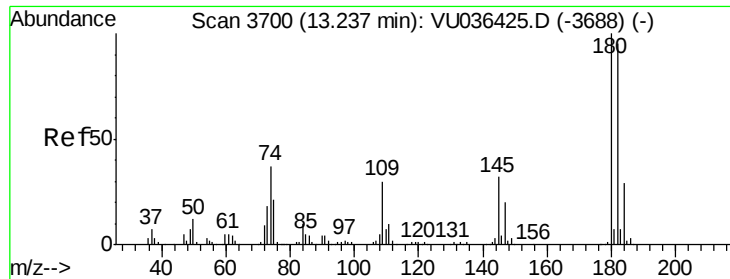
Tgt Ion: 146 Resp: 336081
 Ion Ratio Lower Upper
 146 100
 111 44.9 33.4 50.2
 148 65.3 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.963 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Tgt Ion: 75 Resp: 72926
 Ion Ratio Lower Upper
 75 100
 155 71.7 61.8 92.6
 157 91.5 84.2 126.2

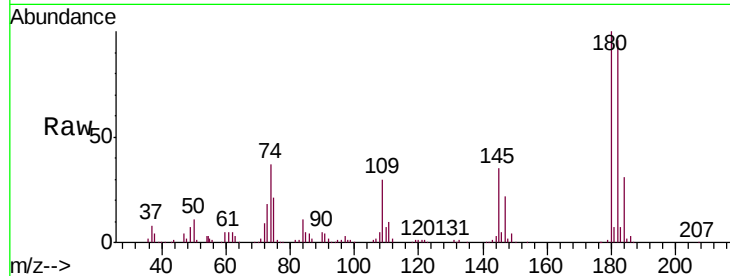




#67
 1,3,5-Trichlorobenzene
 Concen: 44.430 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.6	112.0
184	30.6	23.9	35.9
145	34.7	25.4	38.2



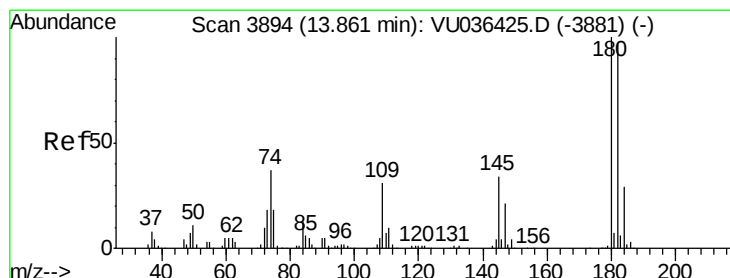
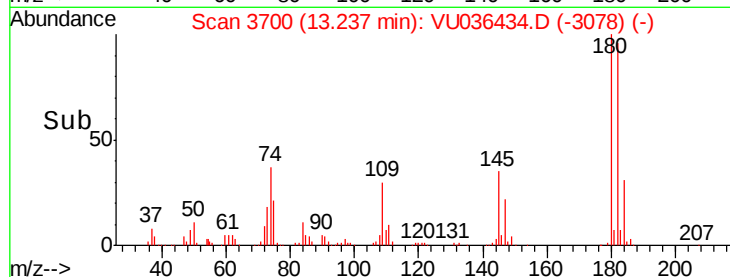
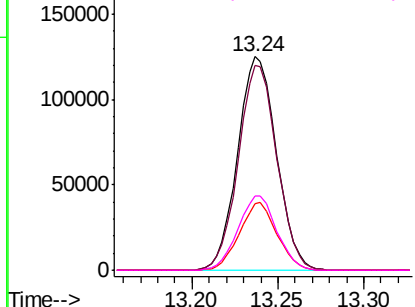
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

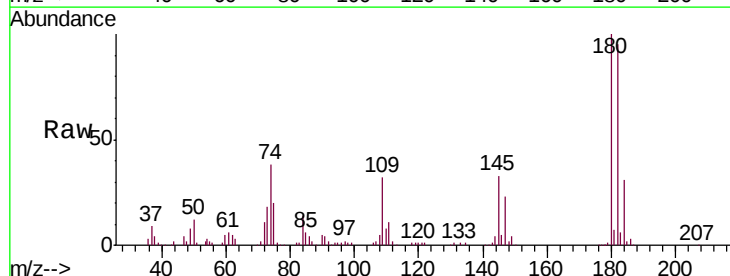
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.285 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036434.D
 Acq: 10 Jan 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.0	117.0
145	33.1	26.0	39.0

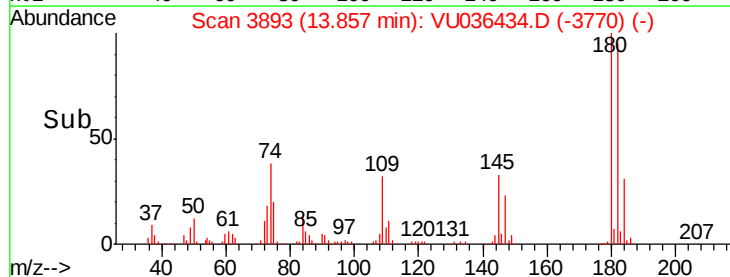
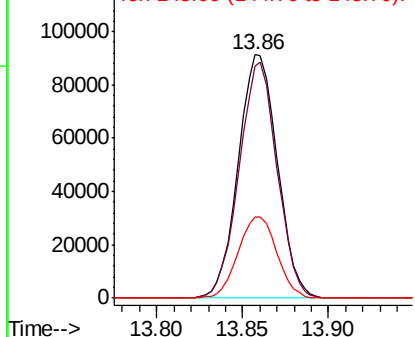


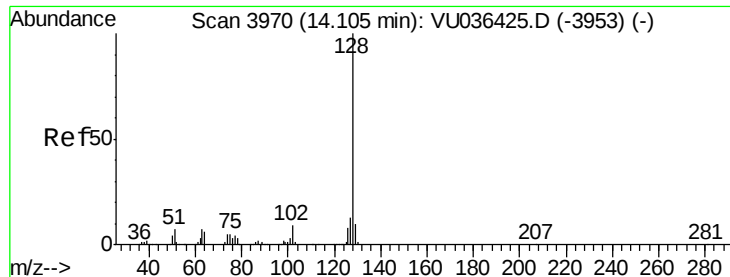
Abundance

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





#69

Naphthalene

Concen: 42.037 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

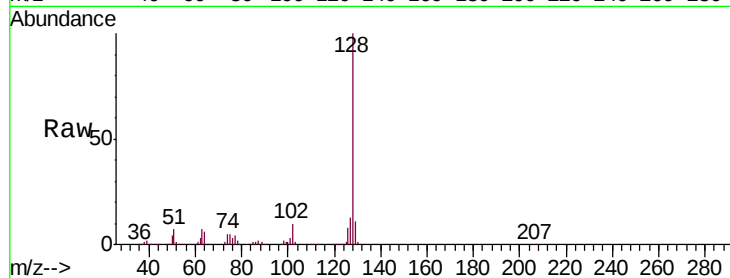
Tgt Ion:128 Resp: 482832

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

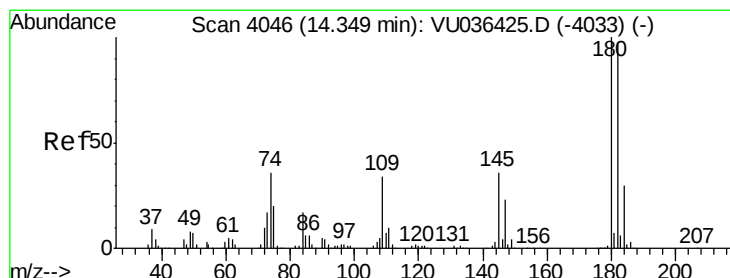
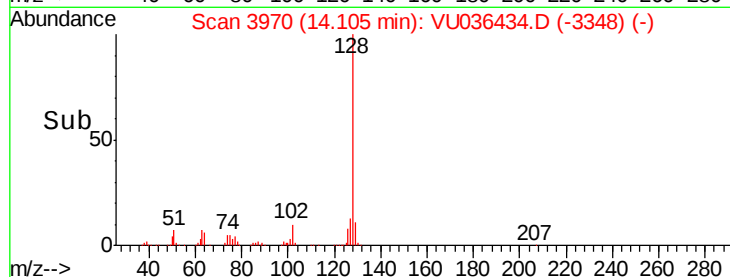
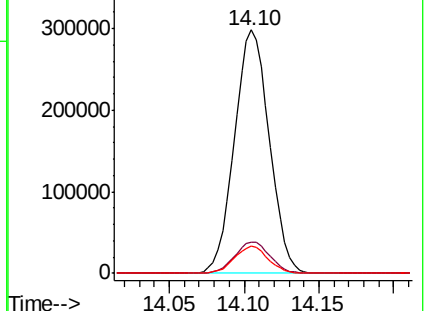
129 10.7 8.5 12.7



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: 42.419 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036434.D

Acq: 10 Jan 2020 17:43

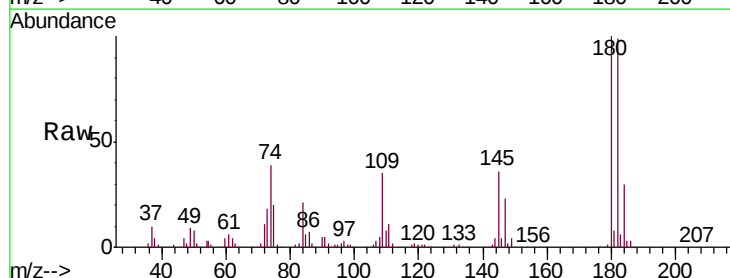
Tgt Ion:180 Resp: 148905

Ion Ratio Lower Upper

180 100

182 99.0 75.4 113.2

145 36.2 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

