

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011320\
 Data File : VU036446.D
 Acq On : 13 Jan 2020 19:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jan 14 16:15:17 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	465973	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	450574	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	211246	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	176443	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.93	69	155658	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.64%
11) 1,1-Dichloroethene-d2	2.59	63	320191	51.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.52%
21) 2-Butanone-d5	4.68	46	296872	109.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	5.11	84	351291	55.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.86%
26) 1,2-Dichloroethane-d4	5.75	65	234904	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
32) Benzene-d6	5.77	84	674461	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.54%
36) 1,2-Dichloropropane-d6	6.73	67	222432	52.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.74%
41) Toluene-d8	7.93	98	625651	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	8.21	79	121932	53.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.82%
47) 2-Hexanone-d5	8.67	63	236884	109.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.18%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	343257	53.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	234092	52.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	165975	44.596 ug/L	99
3) Chloromethane	1.54	50	157843	46.612 ug/L	98
5) Vinyl chloride	1.62	62	165934	42.218 ug/L	98
6) Bromomethane	1.87	94	99667	52.472 ug/L	98
8) Chloroethane	1.95	64	103290	43.678 ug/L	100
9) Trichlorofluoromethane	2.16	101	249505	45.154 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	141531	51.741 ug/L	99
12) 1,1-Dichloroethene	2.61	96	131223	48.665 ug/L	89
13) Acetone	2.66	43	240902	85.900 ug/L	100
14) Carbon disulfide	2.82	76	332610	39.861 ug/L	100
15) Methyl Acetate	2.99	43	198960	52.758 ug/L	98
16) Methylene chloride	3.08	84	169901	51.473 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	144346	49.585 ug/L	96
18) Methyl tert-butyl Ether	3.41	73	573923	54.272 ug/L	99
19) 1,1-Dichloroethane	3.92	63	305756	52.399 ug/L	95
20) cis-1,2-Dichloroethene	4.72	96	181940	51.671 ug/L #	97
22) 2-Butanone	4.76	43	320966	96.880 ug/L	96

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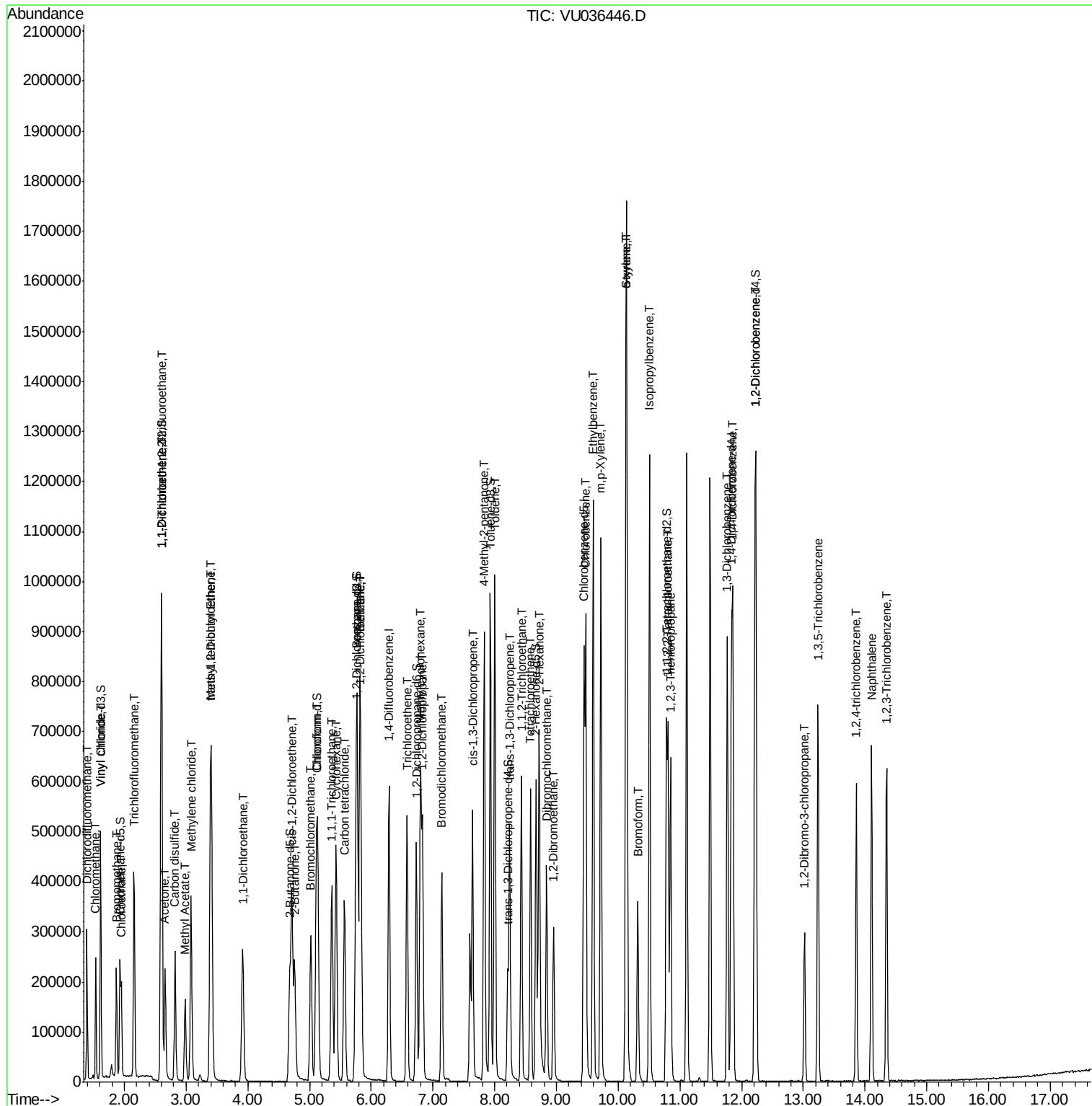
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	87973	52.046	ug/L	96
25) Chloroform	5.13	83	338669	54.472	ug/L	98
27) 1,2-Dichloroethane	5.84	62	263535	54.834	ug/L	97
29) Cyclohexane	5.43	56	243305	46.605	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	286114	51.810	ug/L	100
31) Carbon tetrachloride	5.57	117	236823	49.472	ug/L	98
33) Benzene	5.82	78	668046	50.472	ug/L	100
34) Trichloroethene	6.58	95	179244	52.529	ug/L	98
35) Methylcyclohexane	6.80	83	249748	45.855	ug/L	99
37) 1,2-Dichloropropane	6.83	63	184581	51.500	ug/L	100
38) Bromodichloromethane	7.14	83	262304	51.877	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	295483	49.247	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	610801	100.288	ug/L	99
42) Toluene	8.00	91	731107	50.162	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	277252	49.601	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	184445	55.161	ug/L	99
46) Tetrachloroethene	8.58	164	116011	47.252	ug/L	96
48) 2-Hexanone	8.72	43	495485	105.731	ug/L	97
49) Dibromochloromethane	8.84	129	209462	51.034	ug/L	98
50) 1,2-Dibromoethane	8.95	107	200427	51.684	ug/L	96
51) Chlorobenzene	9.47	112	467160	50.782	ug/L	99
52) Ethylbenzene	9.60	91	823363	49.635	ug/L	99
53) m,p-Xylene	9.72	106	314392	51.092	ug/L	97
54) o-xylene	10.13	106	309619	50.147	ug/L	95
55) Styrene	10.14	104	523165	50.114	ug/L	98
56) Isopropylbenzene	10.51	105	813587	50.557	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	328763	52.016	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	263890	52.477	ug/L	99
61) Bromoform	10.32	173	154255	49.139	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	341023	49.956	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	344460	50.868	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	349805	51.144	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73701	46.178	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	207263	45.722	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	158965	46.271	ug/L	99
69) Naphthalene	14.10	128	509722	43.178	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	168166	46.611	ug/L	99

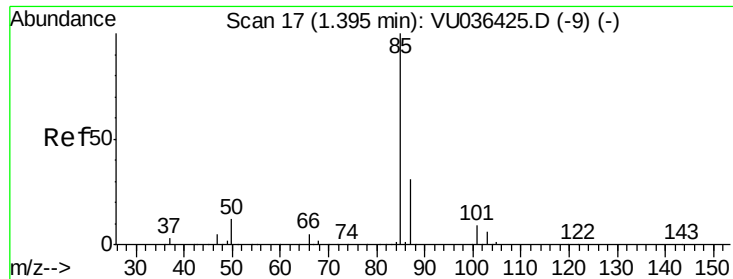
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.596 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

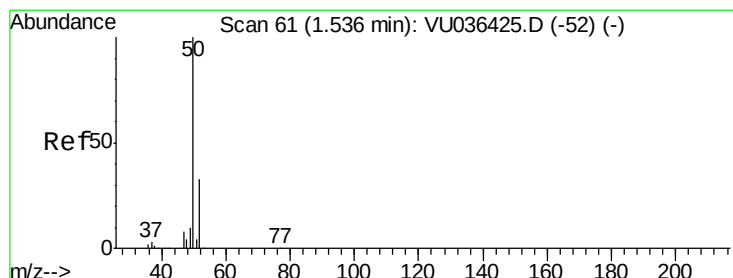
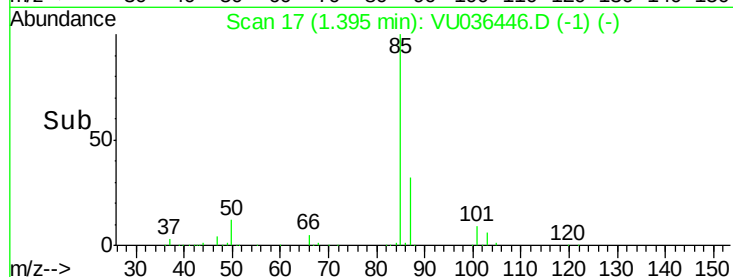
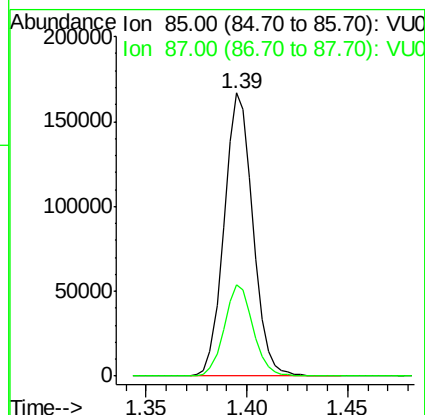
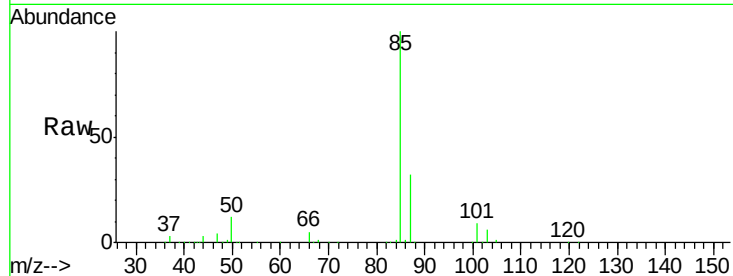
VSTD05038

Tgt Ion: 85 Resp: 165975

Ion Ratio Lower Upper

85 100

87 32.2 26.1 39.1



#3

Chloromethane

Concen: 46.612 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036446.D

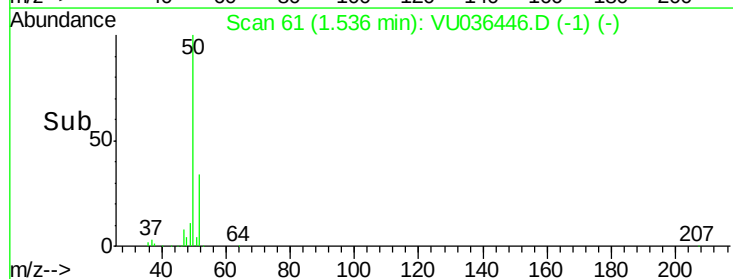
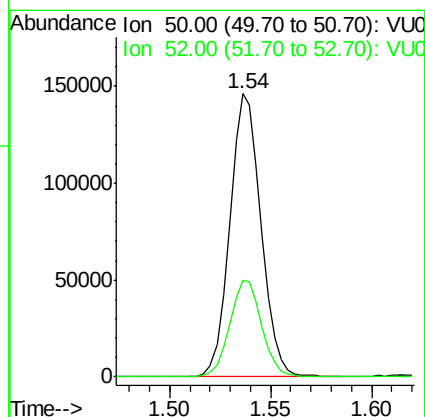
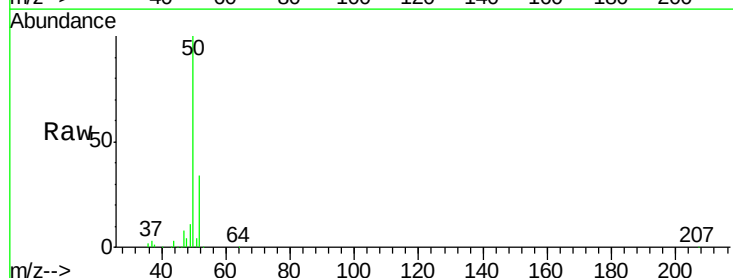
Acq: 13 Jan 2020 19:28

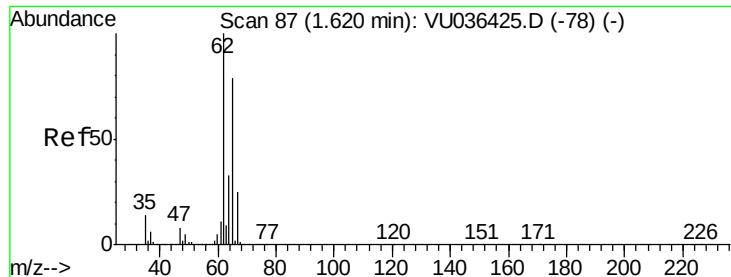
Tgt Ion: 50 Resp: 157843

Ion Ratio Lower Upper

50 100

52 34.1 23.0 42.6





#5

Vinyl chloride

Concen: 42.218 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

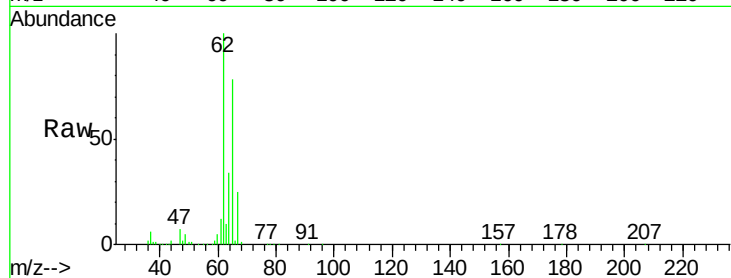
VSTD05038

Tgt Ion: 62 Resp: 165934

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU036446.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036446.D (-1) (-)

1.62

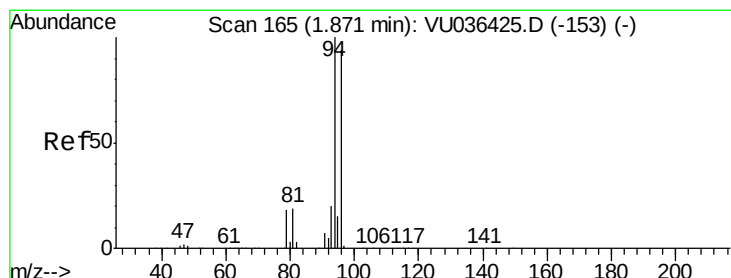
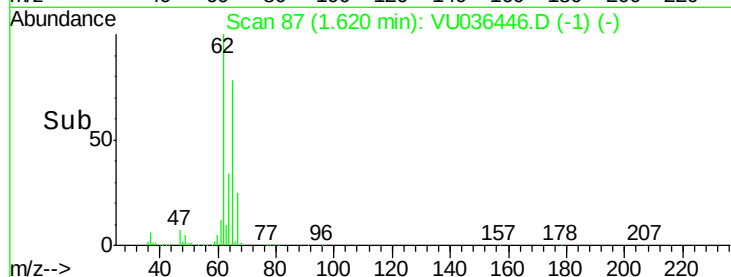
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 52.472 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036446.D

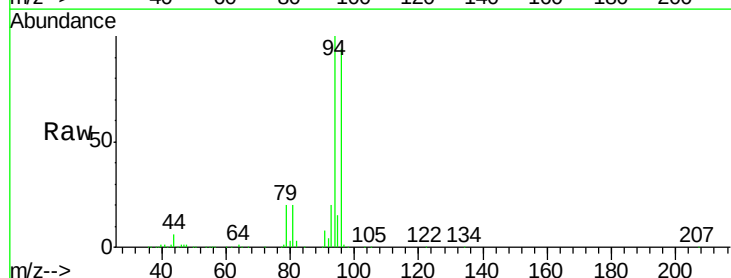
Acq: 13 Jan 2020 19:28

Tgt Ion: 94 Resp: 99667

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU036446.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036446.D (-72) (-)

1.87

80000

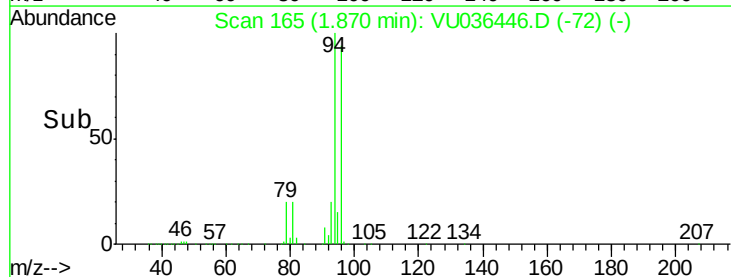
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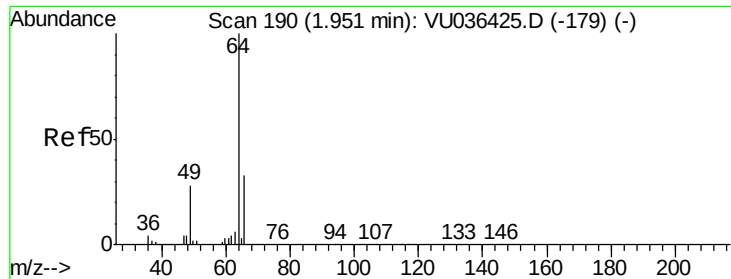
40000

20000

0

Time-->





#8

Chloroethane

Concen: 43.678 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

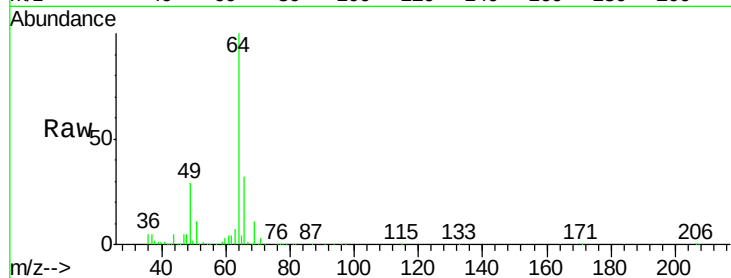
VSTD05038

Tgt Ion: 64 Resp: 103290

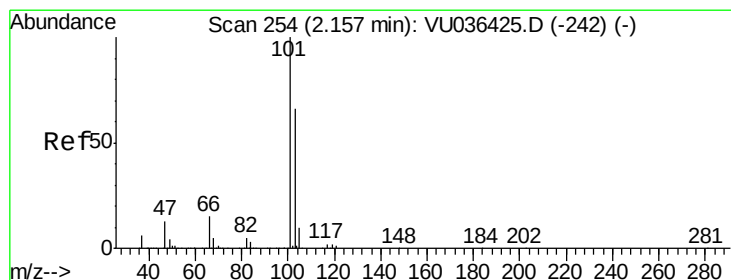
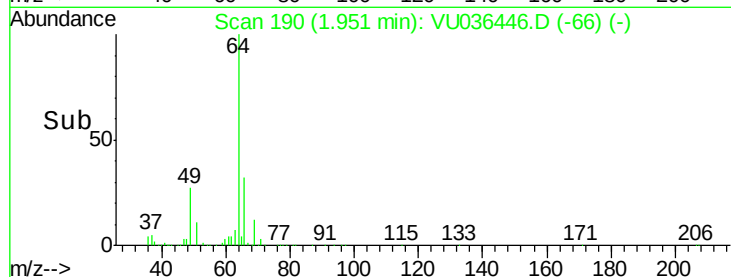
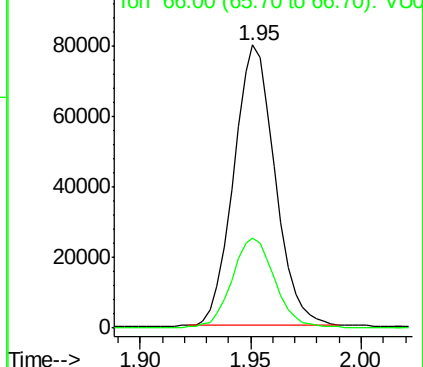
Ion Ratio Lower Upper

64 100

66 32.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU036425.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 45.154 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036446.D

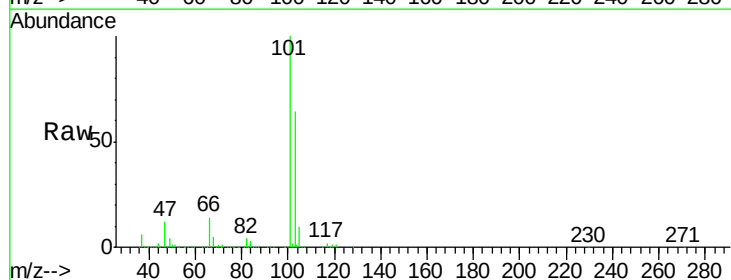
Acq: 13 Jan 2020 19:28

Tgt Ion: 101 Resp: 249505

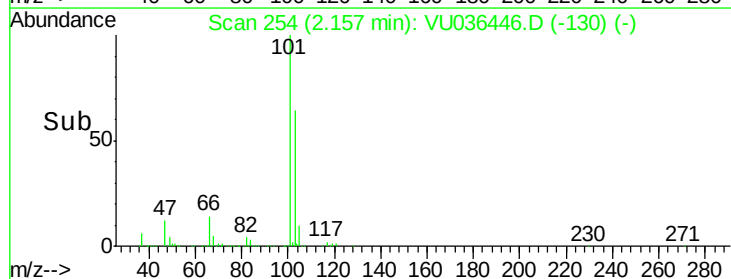
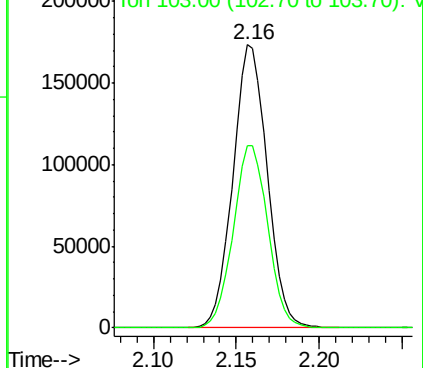
Ion Ratio Lower Upper

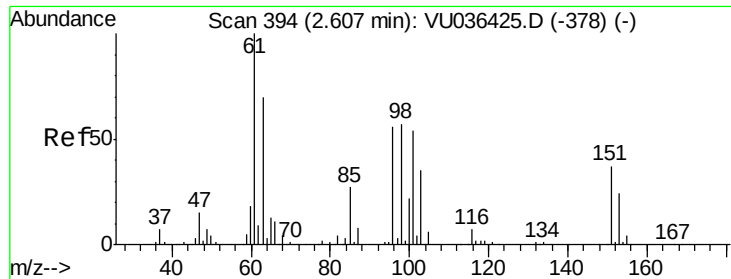
101 100

103 64.8 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036425.D (-242) (-)





#10

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

Concen: 51.741 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

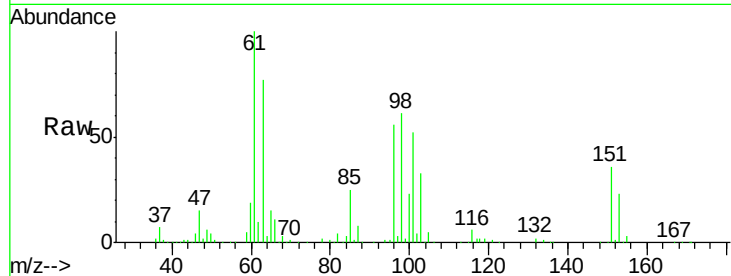
Tgt Ion: 101 Resp: 141531

Ion Ratio Lower Upper

101 100

85 47.0 37.1 55.7

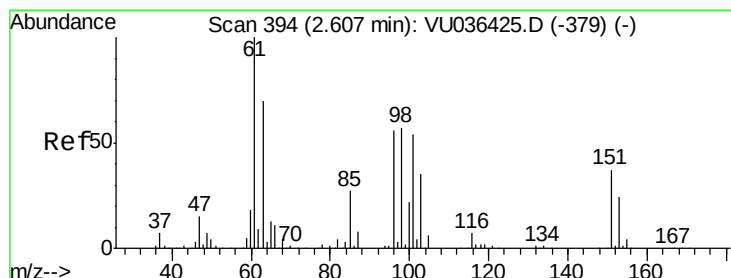
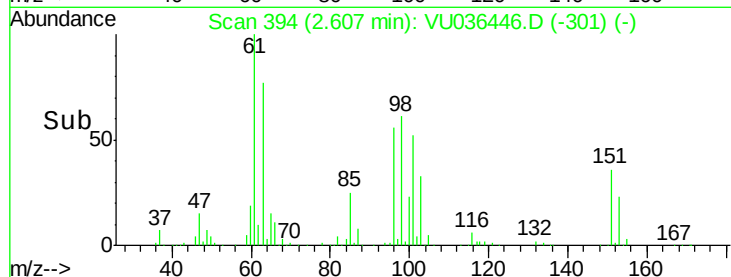
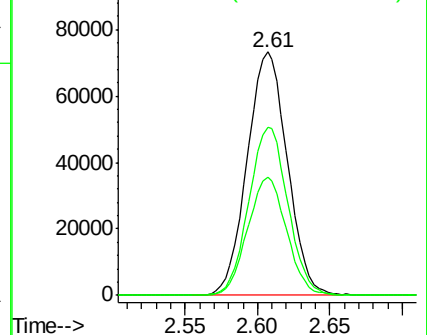
151 67.0 54.3 81.5



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: 48.665 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

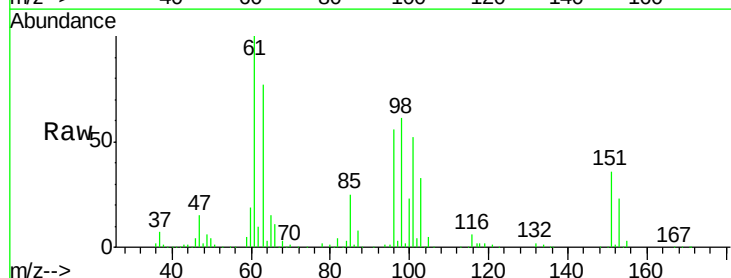
Tgt Ion: 96 Resp: 131223

Ion Ratio Lower Upper

96 100

61 179.9 120.9 224.5

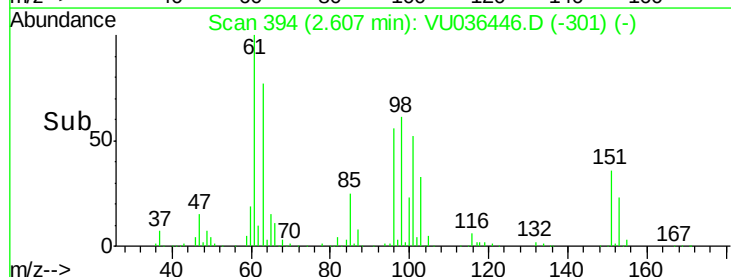
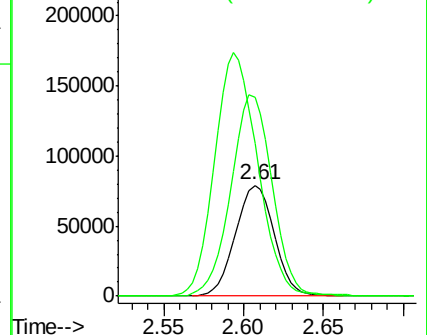
63 137.8 81.8 152.0

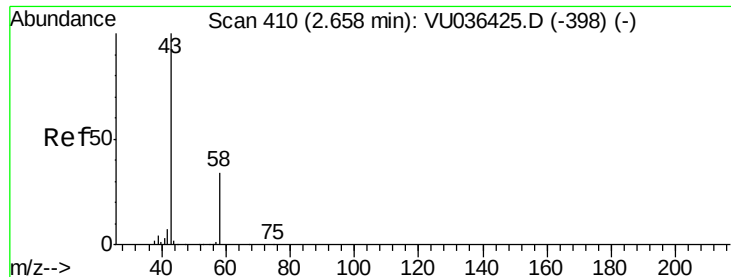


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 85.900 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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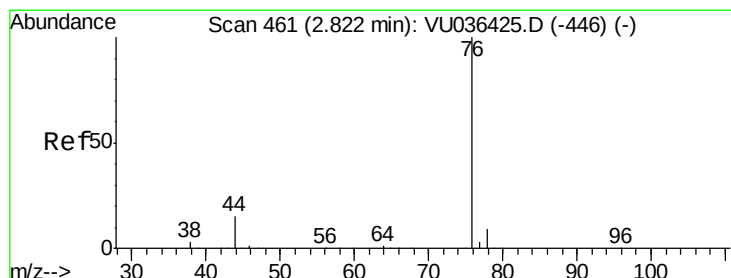
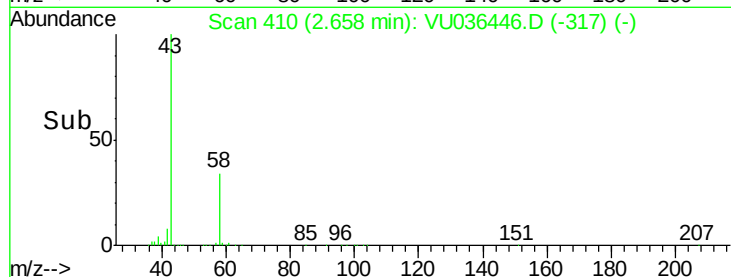
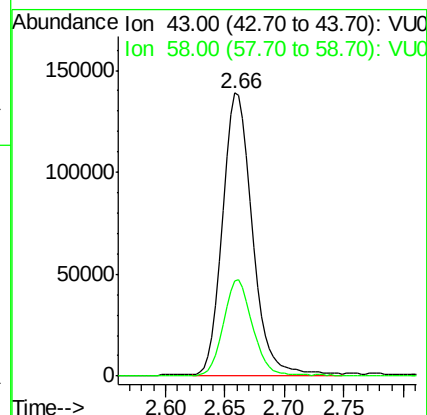
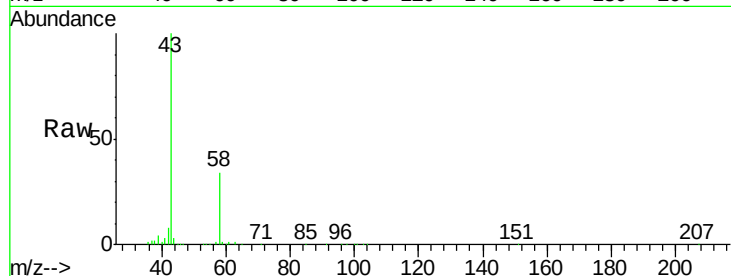
VSTD05038

Tgt Ion: 43 Resp: 240902

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.2



#14

Carbon disulfide

Concen: 39.861 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036446.D

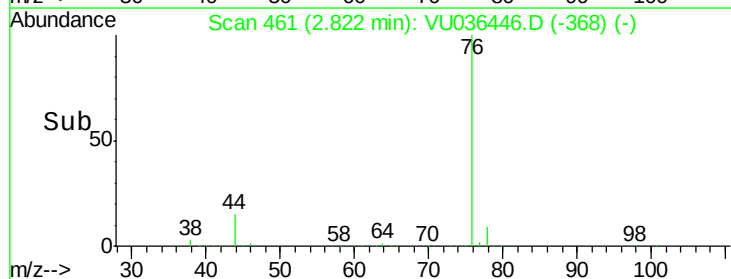
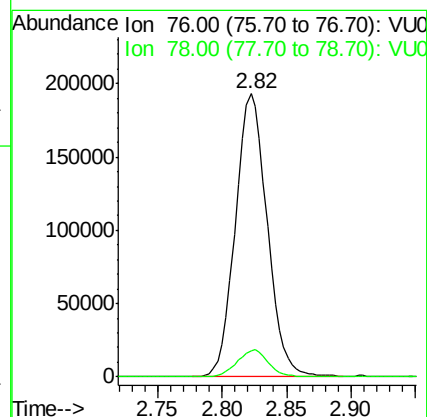
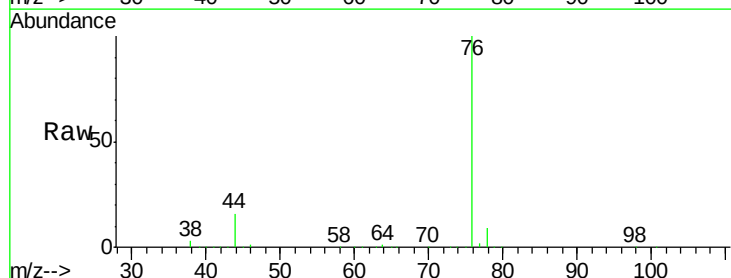
Acq: 13 Jan 2020 19:28

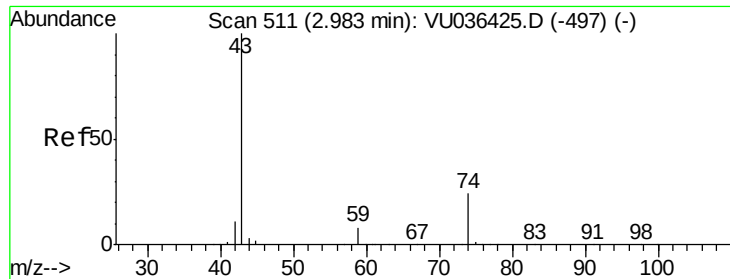
Tgt Ion: 76 Resp: 332610

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

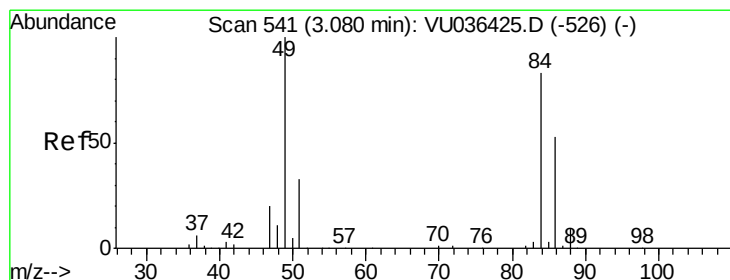
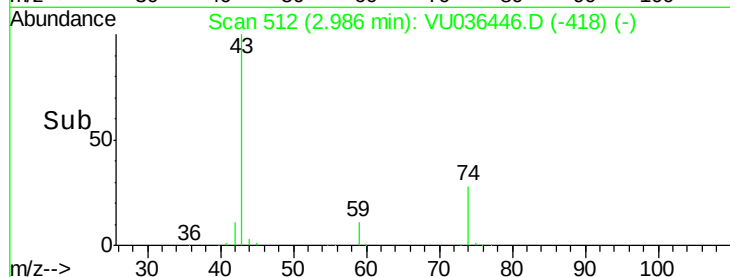
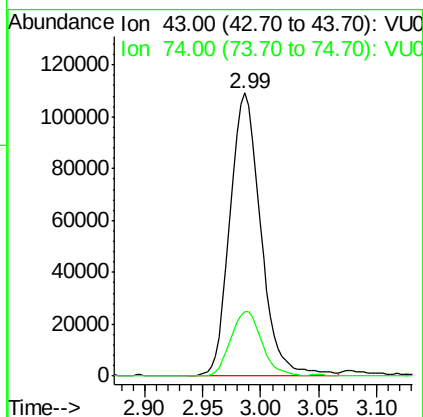
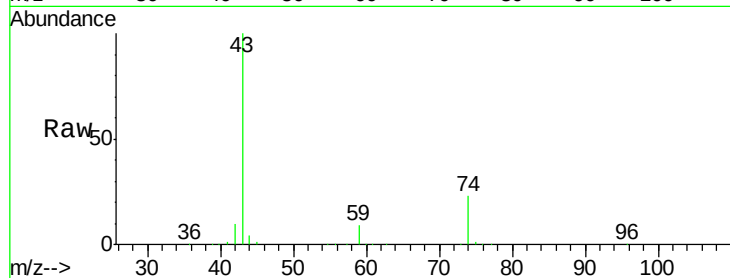




#15
Methyl Acetate
Concen: 52.758 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

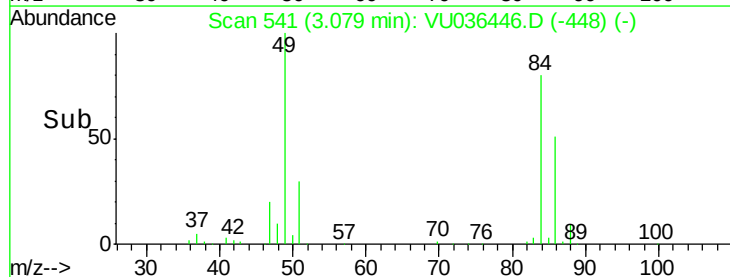
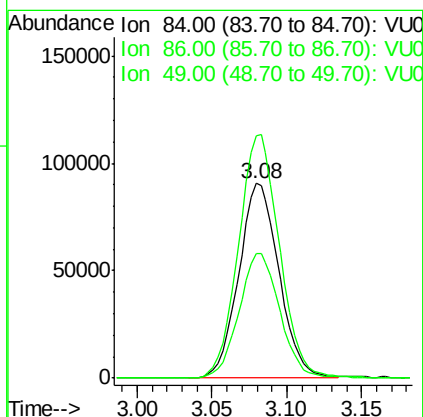
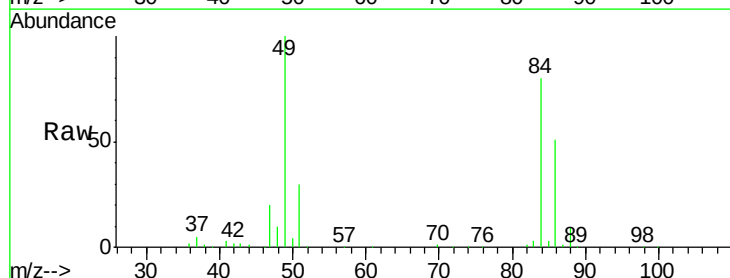
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

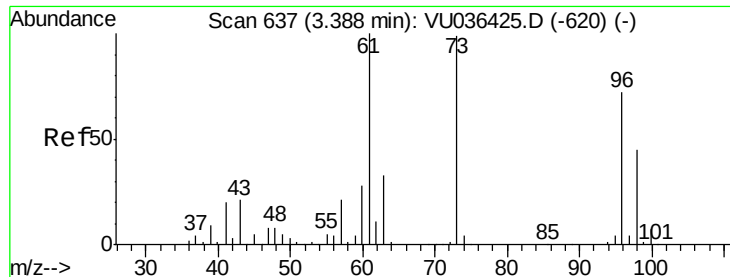
Tgt Ion: 43 Resp: 198960
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2



#16
Methylene chloride
Concen: 51.473 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion: 84 Resp: 169901
Ion Ratio Lower Upper
84 100
86 63.9 44.6 82.8
49 124.4 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 49.585 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

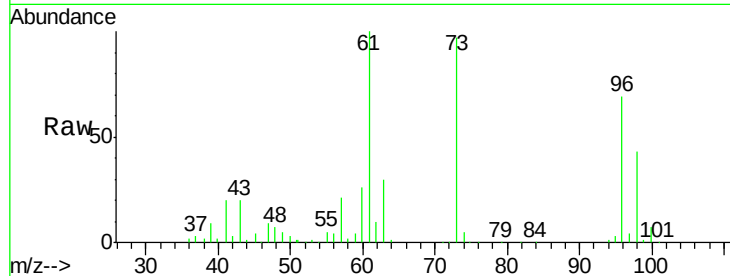
Tgt Ion: 96 Resp: 144346

Ion Ratio Lower Upper

96 100

61 144.9 96.2 178.8

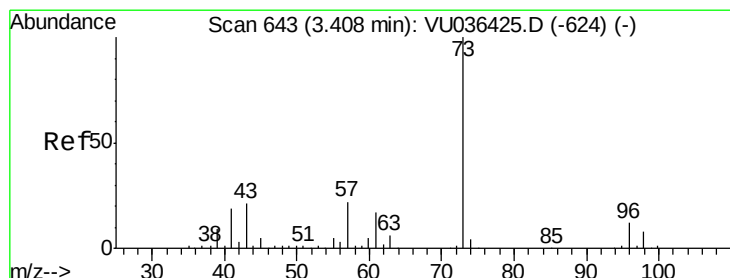
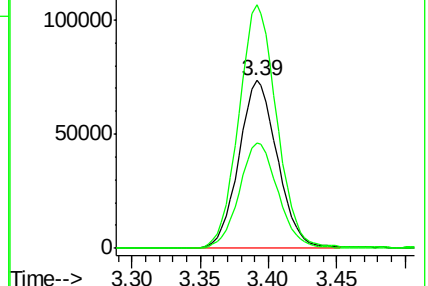
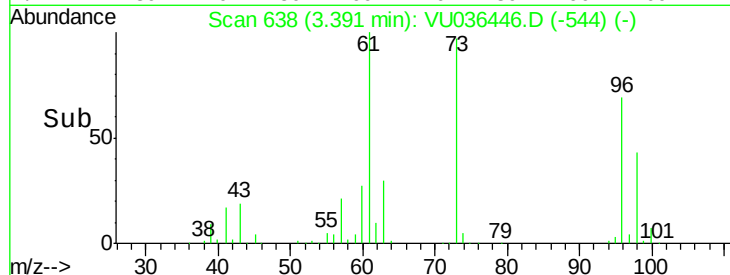
98 62.7 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036446.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036446.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036446.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 54.272 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

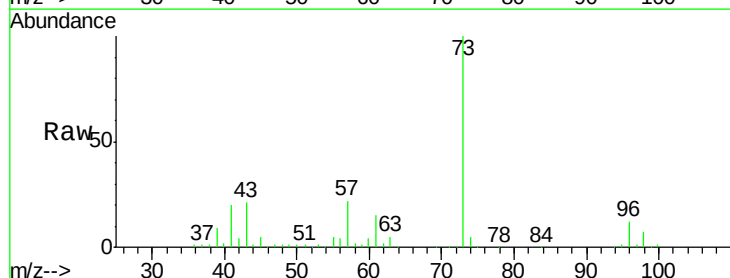
Tgt Ion: 73 Resp: 573923

Ion Ratio Lower Upper

73 100

43 20.7 16.3 24.5

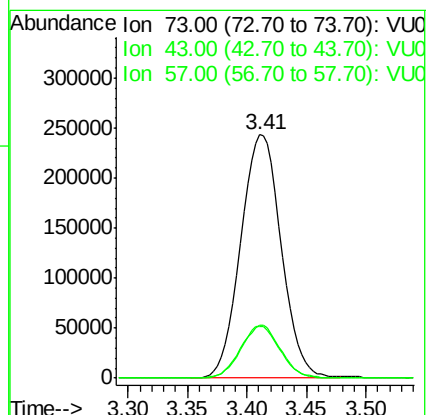
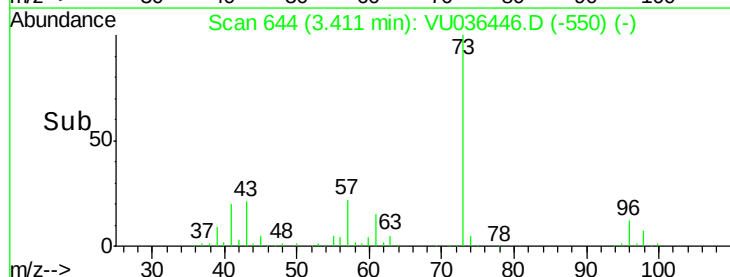
57 21.2 17.7 26.5

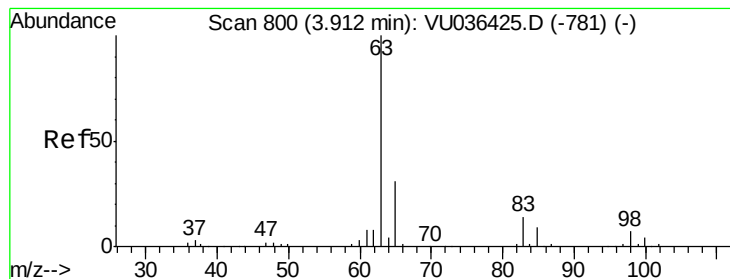


Abundance Ion 73.00 (72.70 to 73.70): VU036446.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036446.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036446.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 52.399 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.01 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

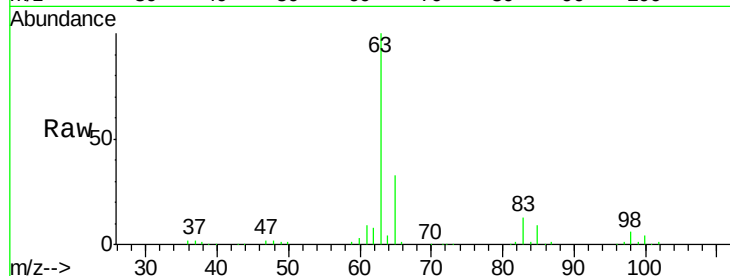
Tgt Ion: 63 Resp: 305756

Ion Ratio Lower Upper

63 100

65 32.6 20.0 37.2

83 13.2 9.6 17.8

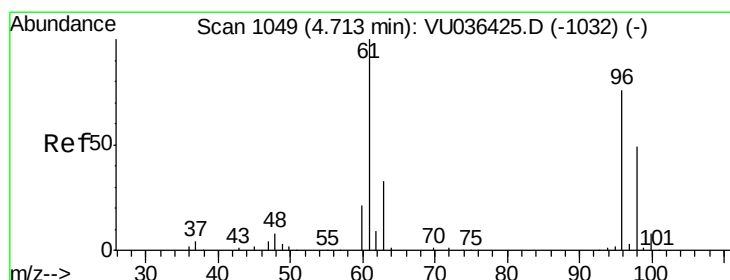
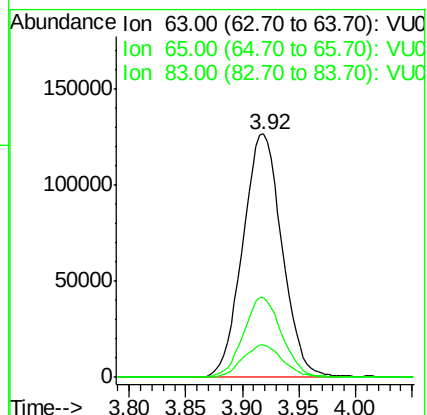
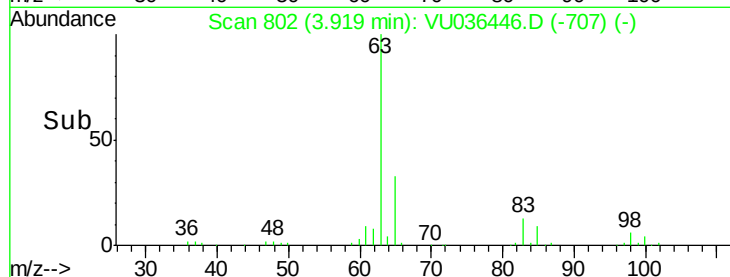


Abundance Ion 63.00 (62.70 to 63.70): VU036425.D (-781) (-)

Ion 65.00 (64.70 to 65.70): VU036425.D (-781) (-)

Ion 83.00 (82.70 to 83.70): VU036425.D (-781) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 51.671 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

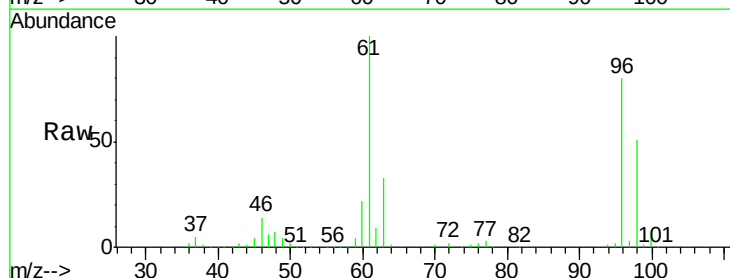
Tgt Ion: 96 Resp: 181940

Ion Ratio Lower Upper

96 100

61 125.2 85.1 158.1

68 0.0 0.1 0.3#

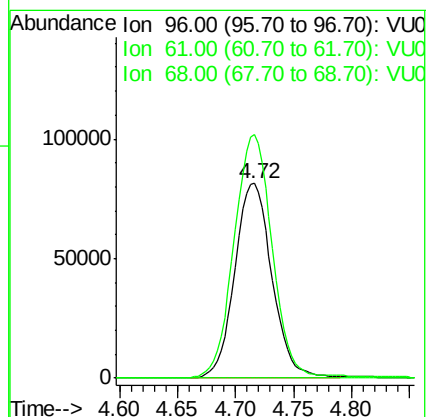
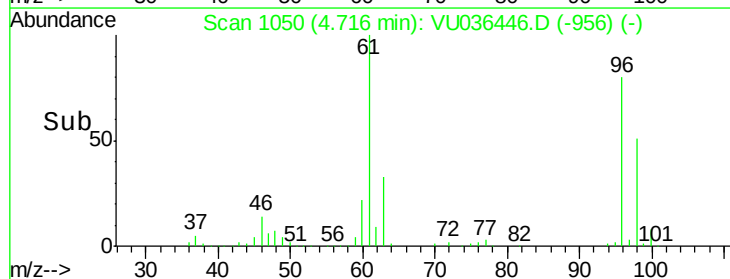


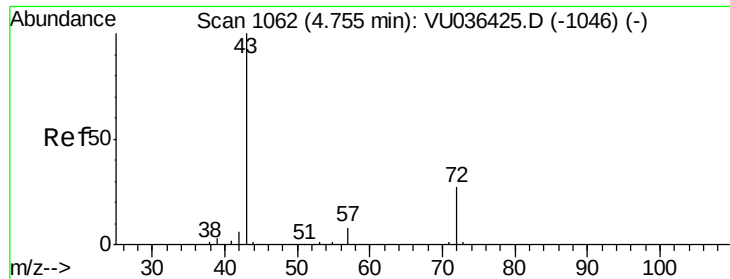
Abundance Ion 96.00 (95.70 to 96.70): VU036425.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036425.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036425.D (-1032) (-)

Time-->





#22

2-Butanone

Concen: 96.880 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

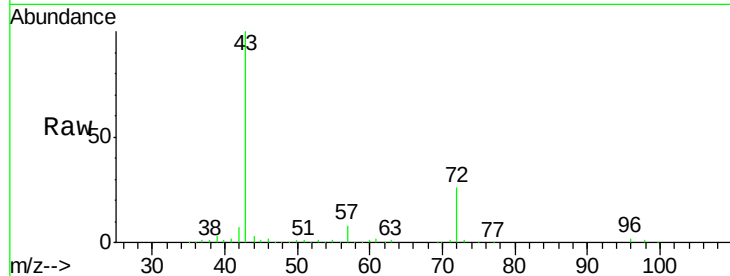
VSTD05038

Tgt Ion: 43 Resp: 320966

Ion Ratio Lower Upper

43 100

72 28.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036446.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036446.D (-969) (-)

4.76

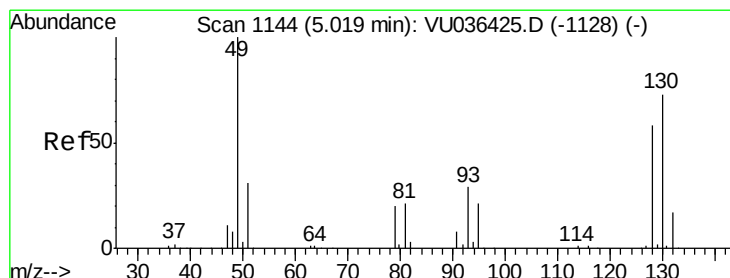
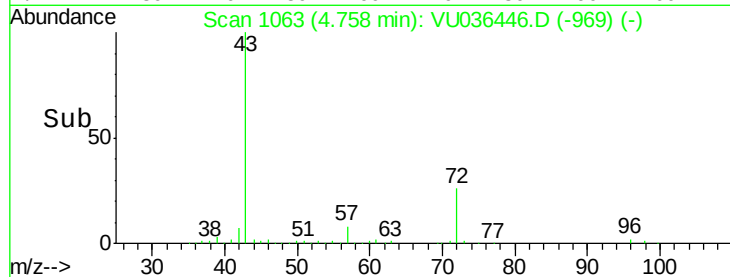
150000

100000

50000

0

Time--> 4.65 4.70 4.75 4.80 4.85



#23

Bromochloromethane

Concen: 52.046 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Tgt Ion: 128 Resp: 87973

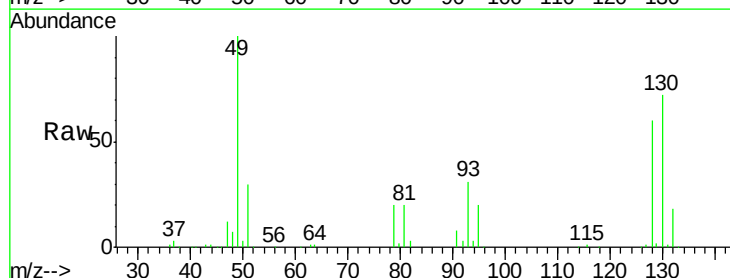
Ion Ratio Lower Upper

128 100

49 167.1 115.0 213.6

130 120.8 89.1 165.5

51 49.8 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036446.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036446.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036446.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036446.D (-1051) (-)

5.02

100000

80000

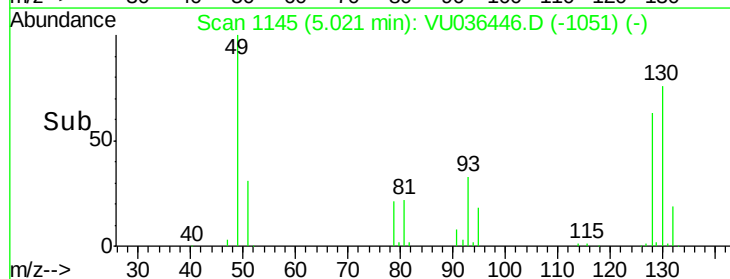
60000

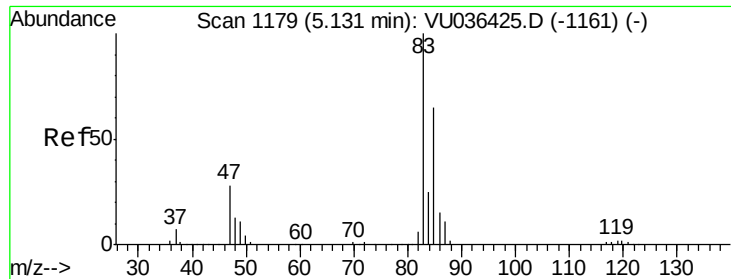
40000

20000

0

Time--> 4.95 5.00 5.05 5.10

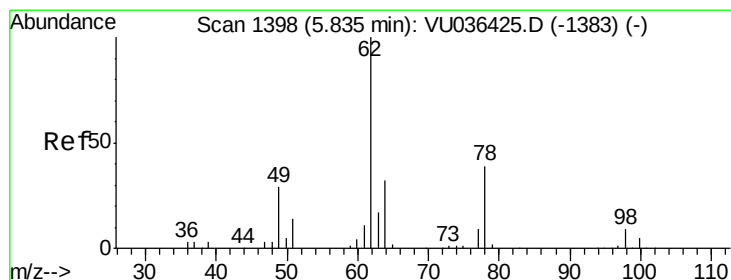
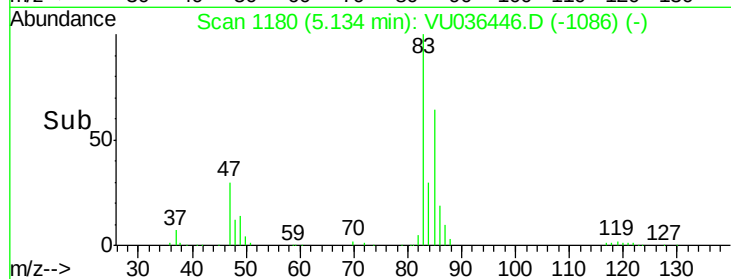
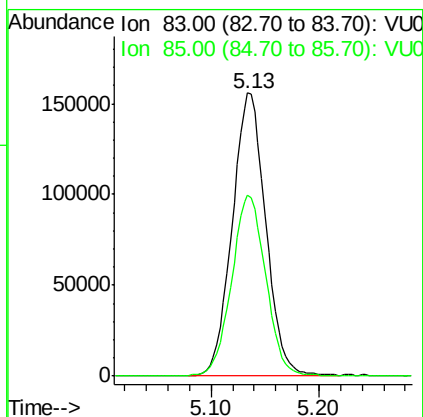
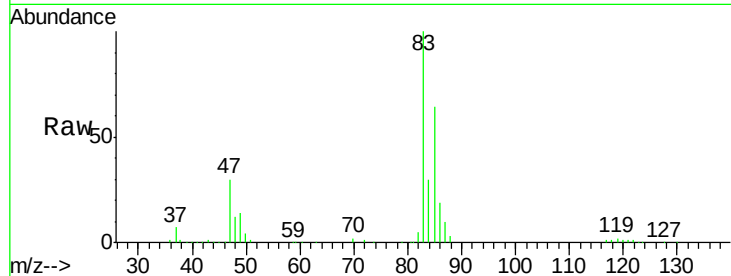




#25
Chloroform
Concen: 54.472 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

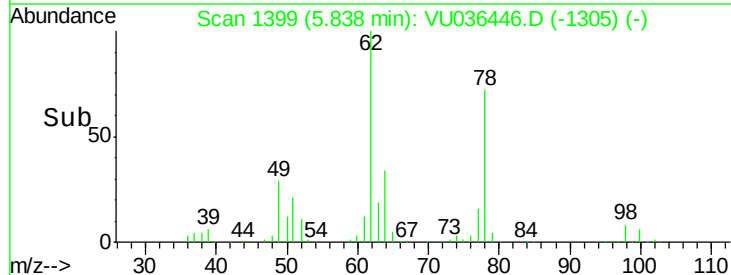
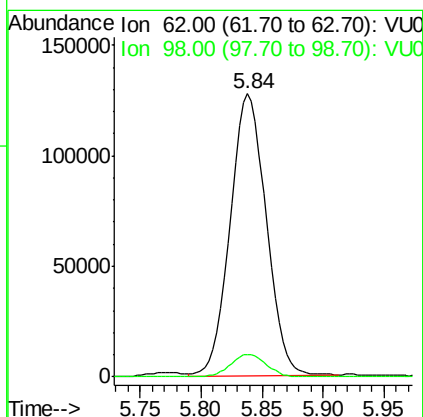
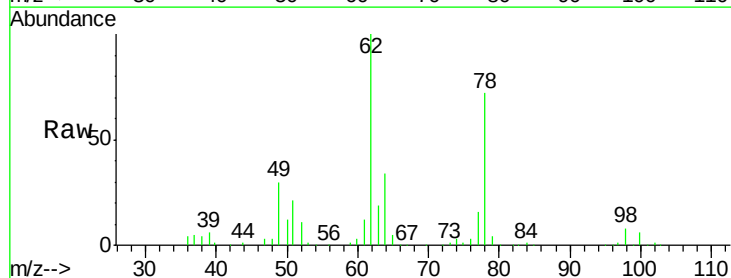
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

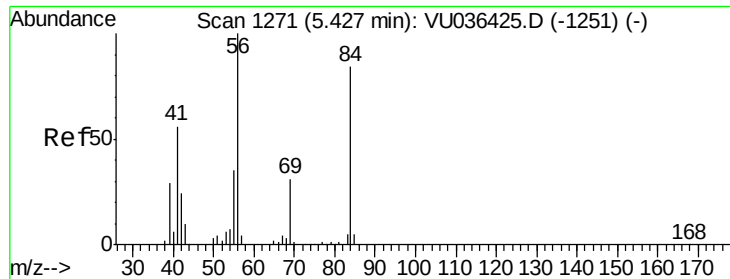
Tgt Ion: 83 Resp: 338669
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 54.834 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion: 62 Resp: 263535
Ion Ratio Lower Upper
62 100
98 8.0 7.3 10.9

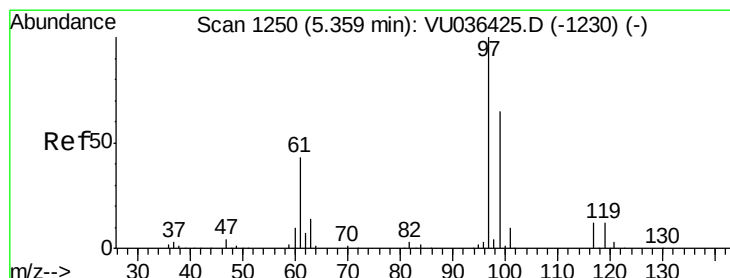
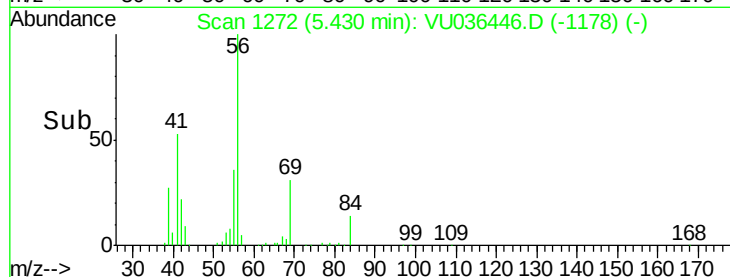
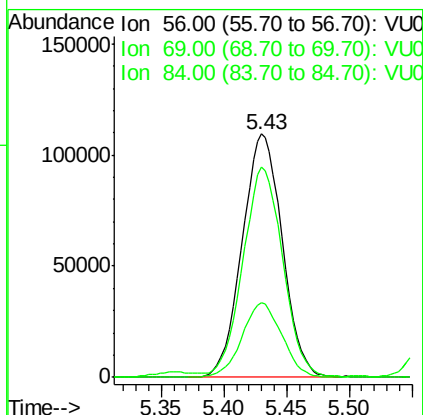
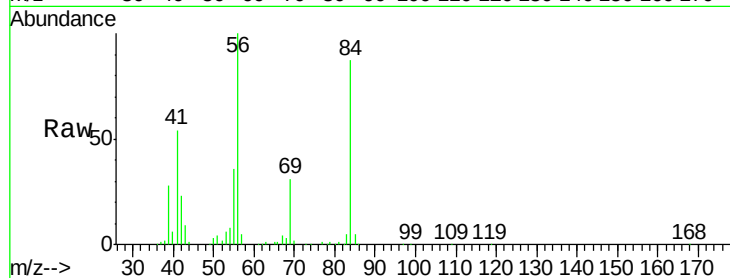




#29
Cyclohexane
Concen: 46.605 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

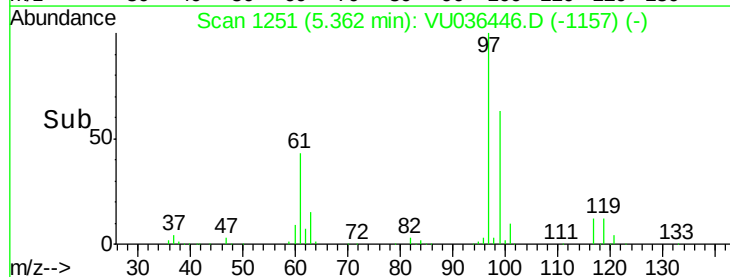
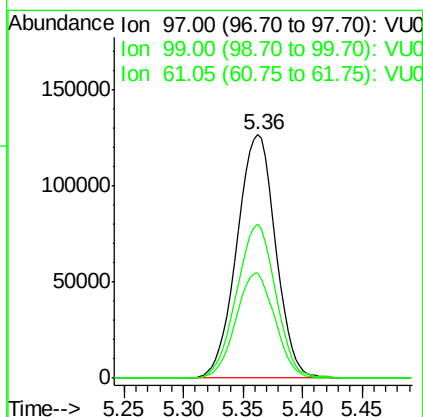
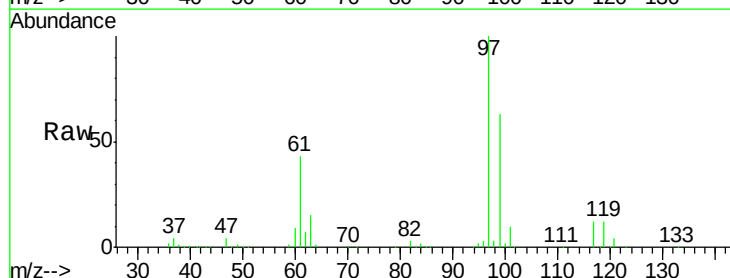
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

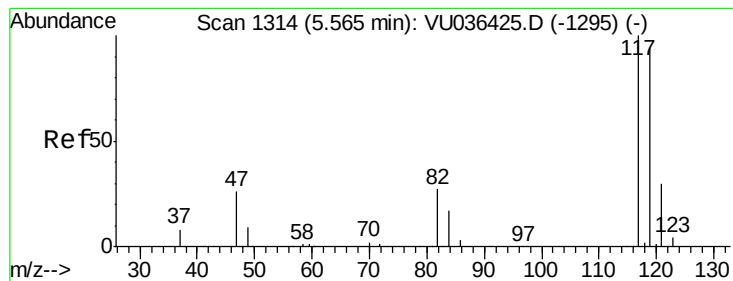
Tgt Ion: 56 Resp: 243305
Ion Ratio Lower Upper
56 100
69 30.4 24.8 37.2
84 85.2 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 51.810 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion: 97 Resp: 286114
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 43.4 34.7 52.1





#31

Carbon tetrachloride

Concen: 49.472 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

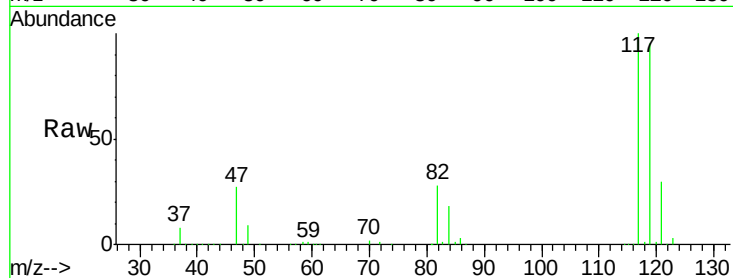
VSTD05038

Tgt Ion:117 Resp: 236823

Ion Ratio Lower Upper

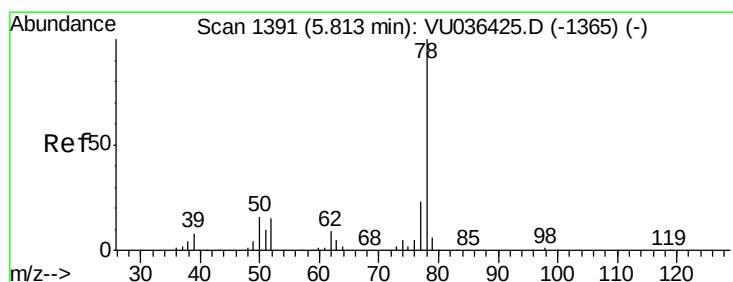
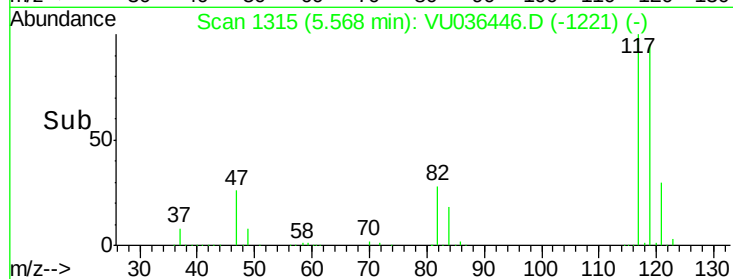
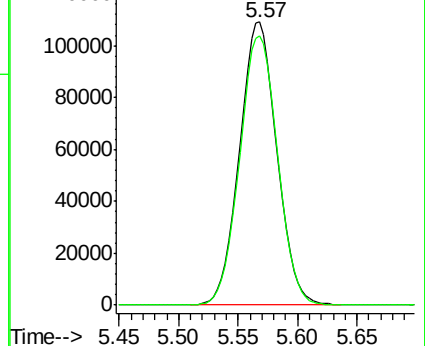
117 100

119 96.8 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: 50.472 ug/L

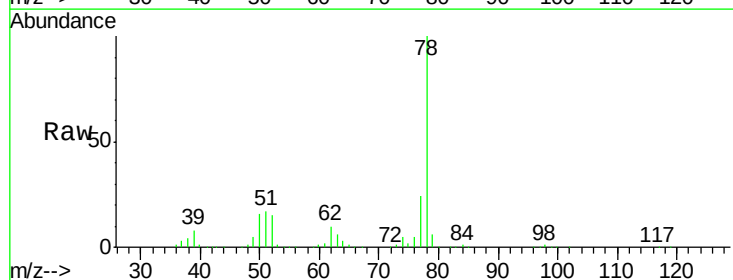
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

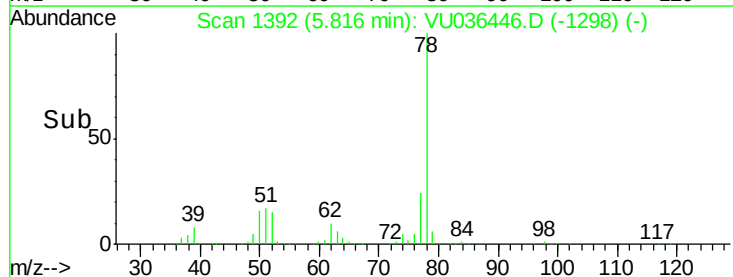
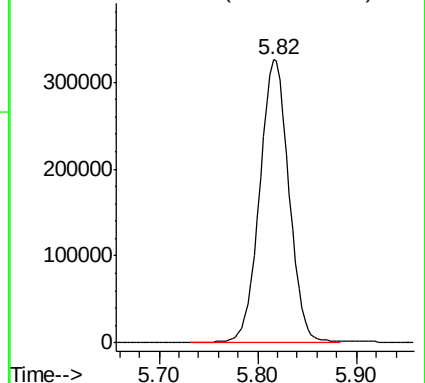
Lab File: VU036446.D

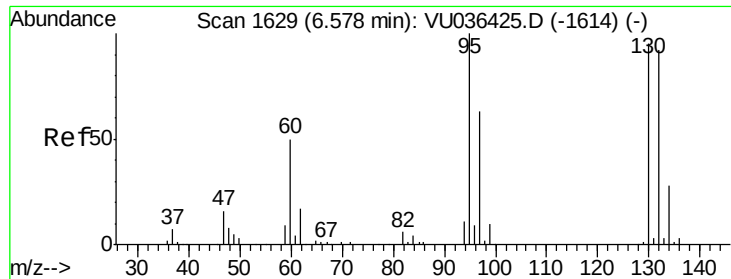
Acq: 13 Jan 2020 19:28

Tgt Ion: 78 Resp: 668046



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.529 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

Tgt Ion: 95 Resp: 179244

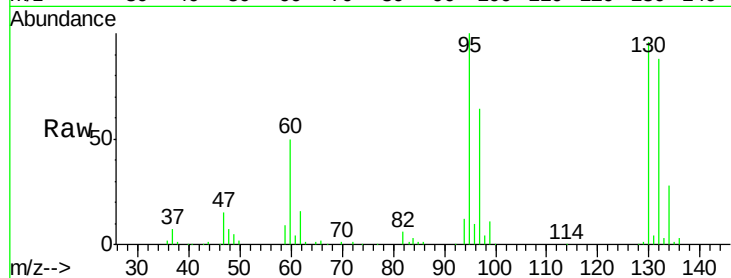
Ion Ratio Lower Upper

95 100

97 63.9 44.5 82.7

132 88.2 64.5 119.9

130 96.2 66.6 123.8



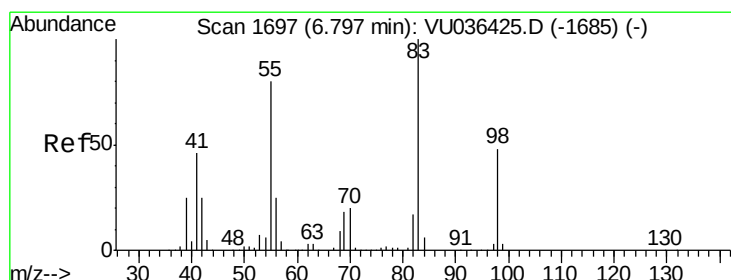
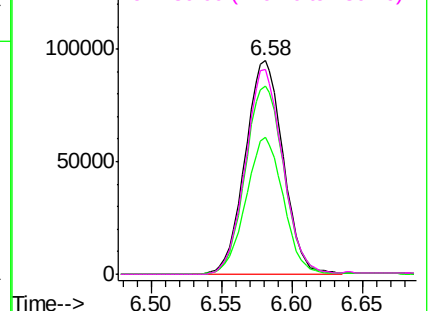
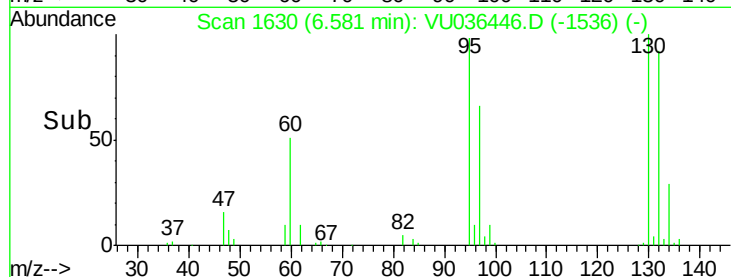
Abundance

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: 45.855 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

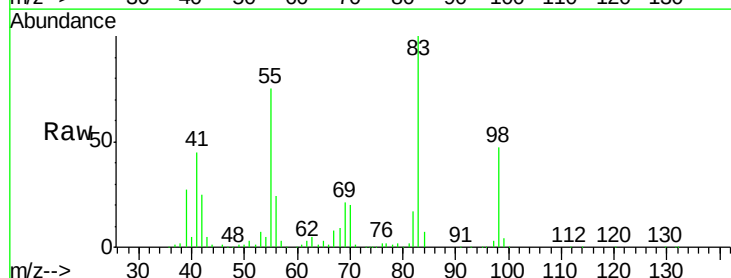
Tgt Ion: 83 Resp: 249748

Ion Ratio Lower Upper

83 100

55 75.2 60.0 90.0

98 46.7 36.2 54.4

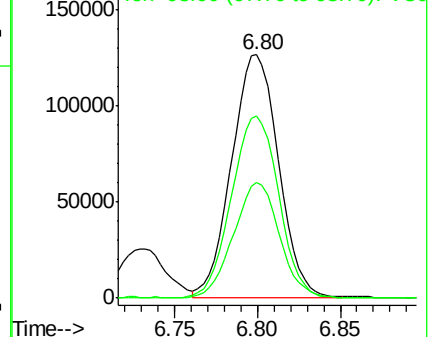
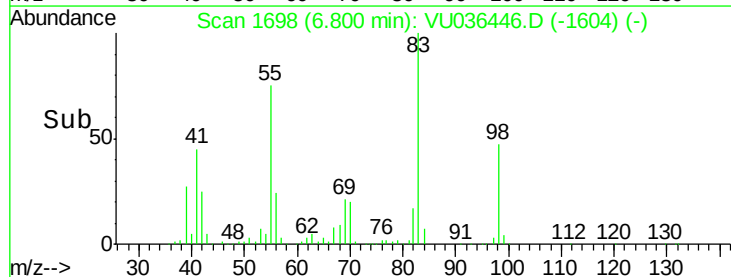


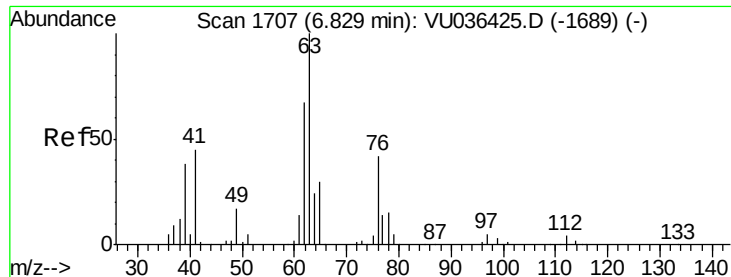
Abundance

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

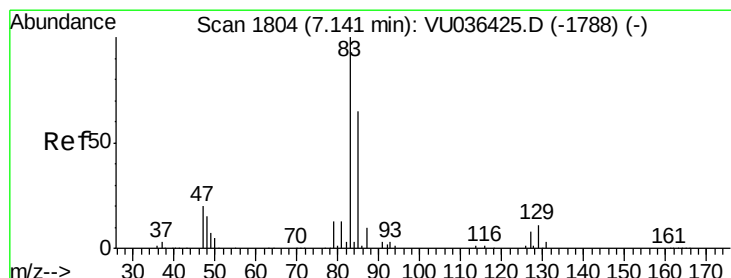
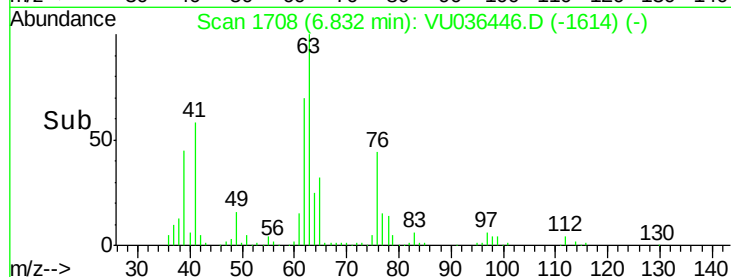
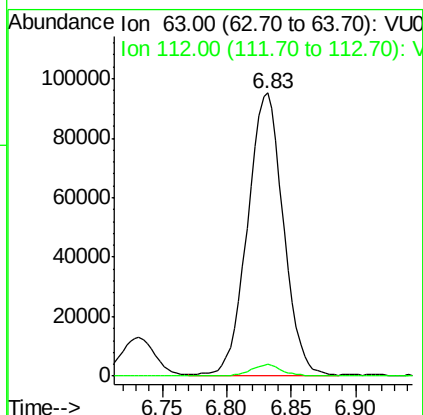
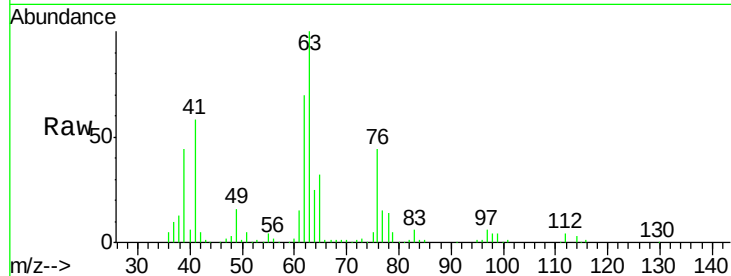




#37
 1,2-Dichloropropane
 Concen: 51.500 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

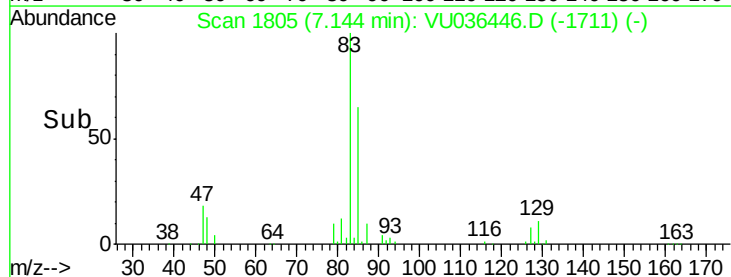
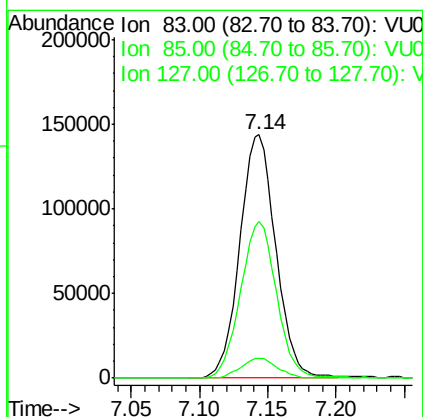
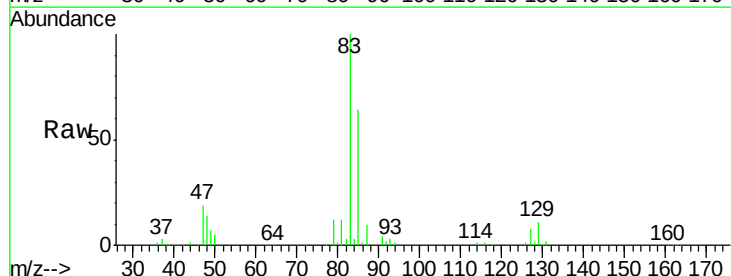
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

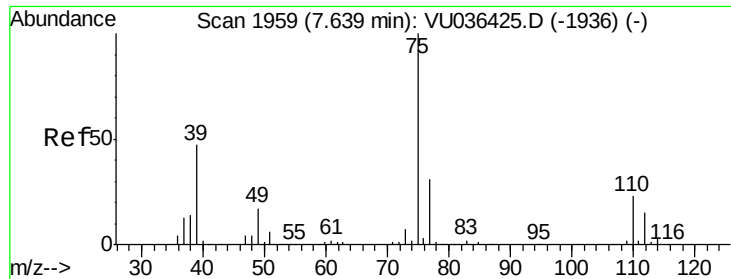
Tgt Ion: 63 Resp: 184581
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 51.877 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

Tgt Ion: 83 Resp: 262304
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 8.1 6.8 10.2



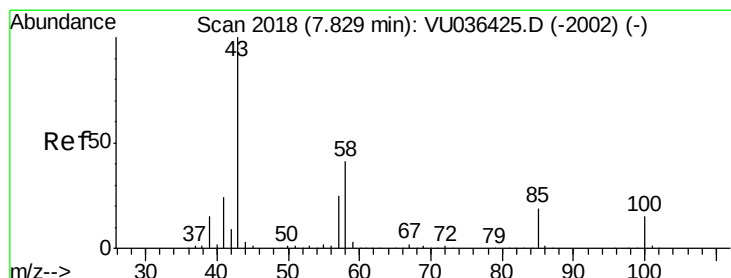
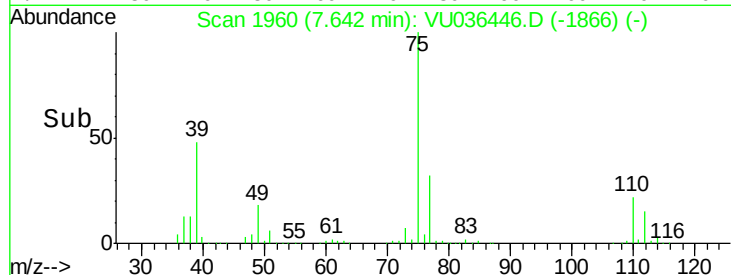
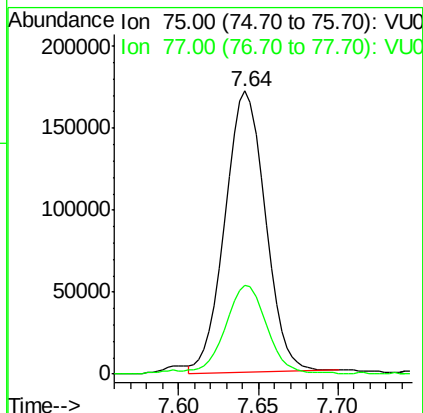
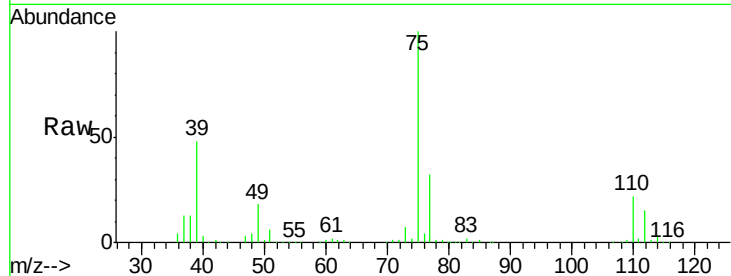


#39

cis-1,3-Dichloropropene
Concen: 49.247 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

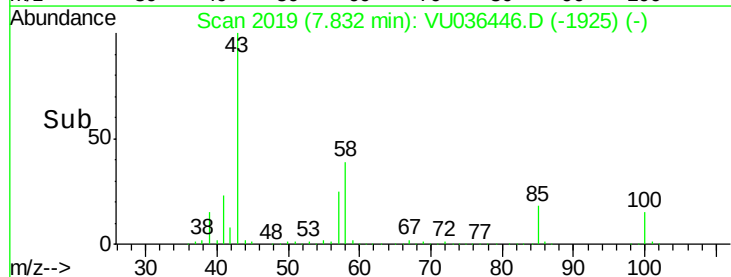
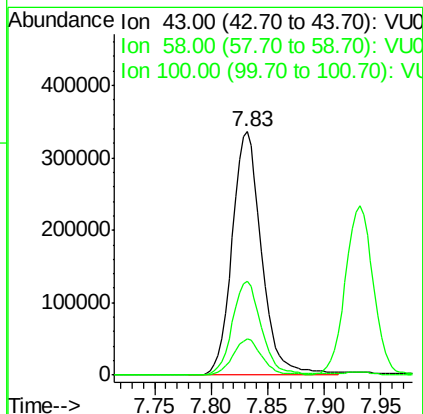
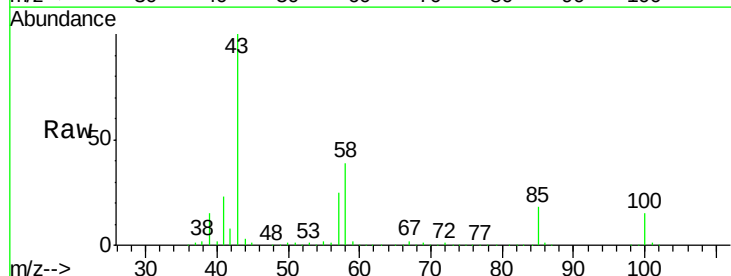
Tgt Ion: 75 Resp: 295483
Ion Ratio Lower Upper
75 100
77 31.5 22.2 41.2

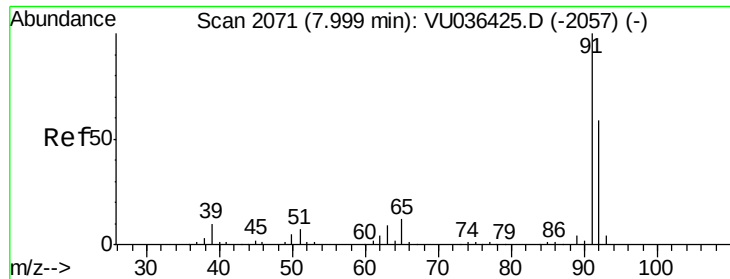


#40

4-Methyl-2-pentanone
Concen: 100.288 ug/L
RT: 7.83 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion: 43 Resp: 610801
Ion Ratio Lower Upper
43 100
58 38.4 31.6 47.4
100 14.7 11.6 17.4





#42

Toluene

Concen: 50.162 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

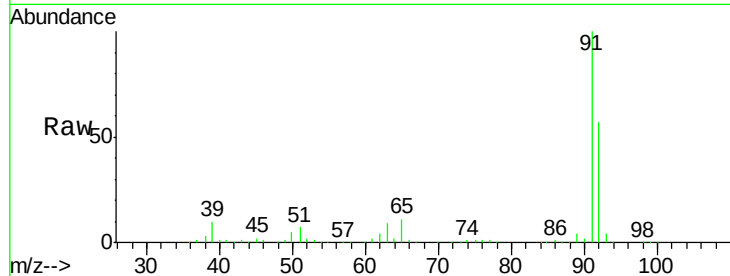
VSTD05038

Tgt Ion: 91 Resp: 731107

Ion Ratio Lower Upper

91 100

92 56.8 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

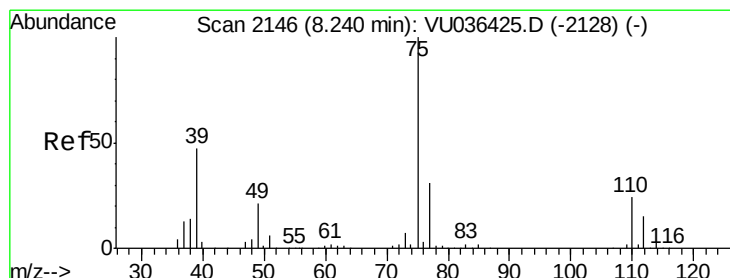
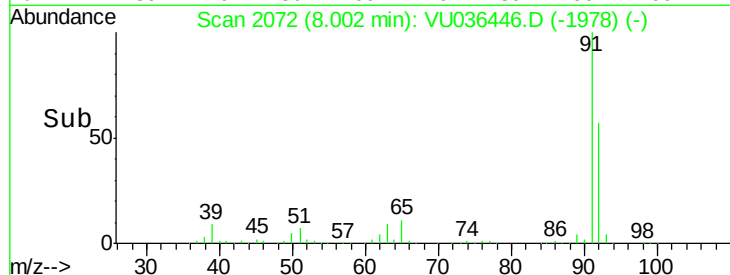
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.601 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036446.D

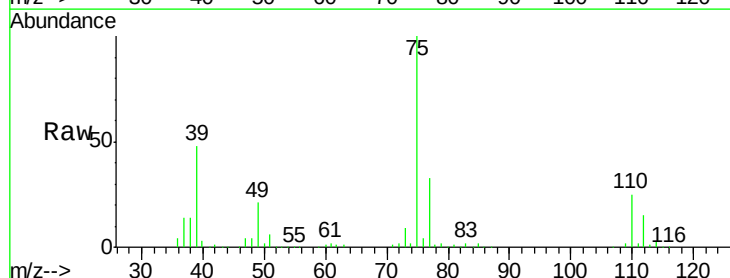
Acq: 13 Jan 2020 19:28

Tgt Ion: 75 Resp: 277252

Ion Ratio Lower Upper

75 100

77 32.7 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

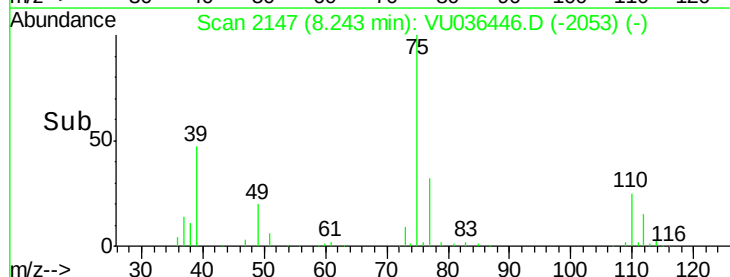
150000

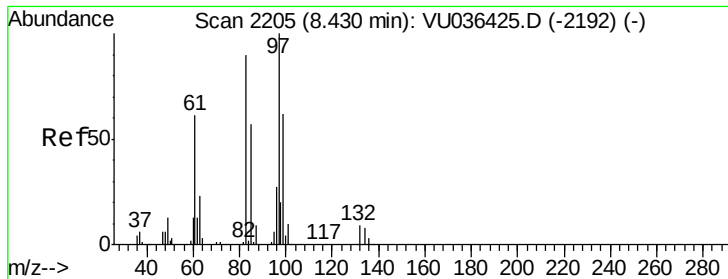
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 55.161 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

Tgt Ion: 97 Resp: 184445

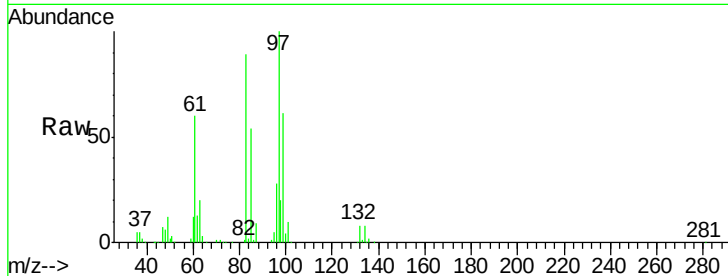
Ion Ratio Lower Upper

97 100

99 61.2 44.2 82.2

83 88.8 62.5 116.1

85 54.5 38.1 70.7



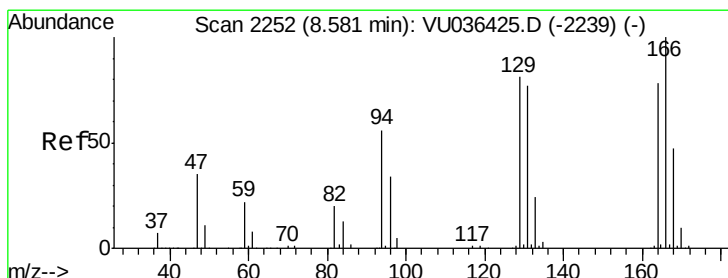
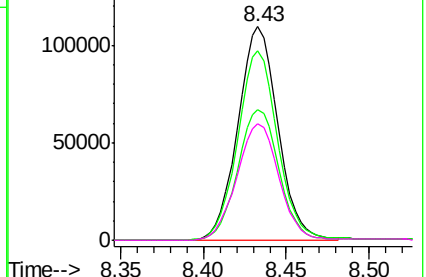
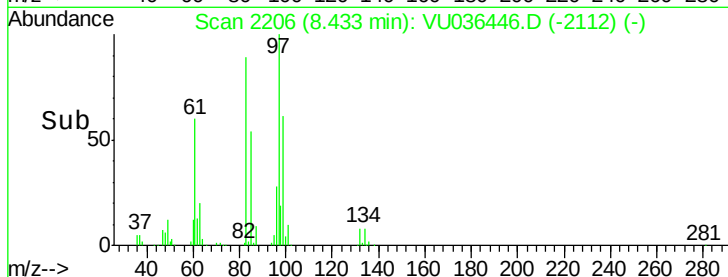
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



#46

Tetrachloroethene

Concen: 47.252 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Tgt Ion: 164 Resp: 116011

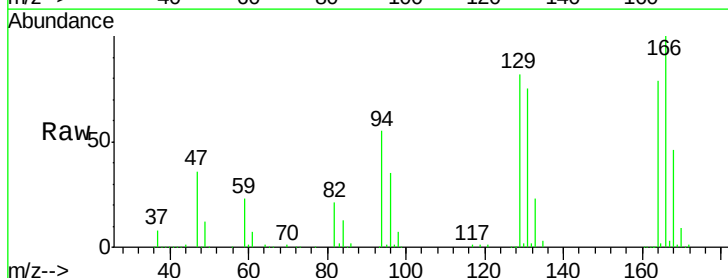
Ion Ratio Lower Upper

164 100

129 104.5 70.0 130.0

131 95.5 70.1 130.1

166 127.2 87.2 161.9



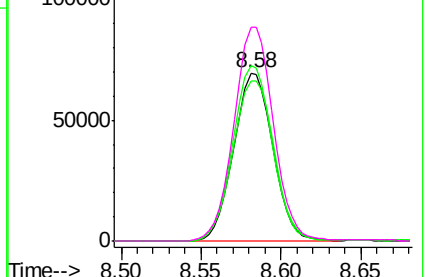
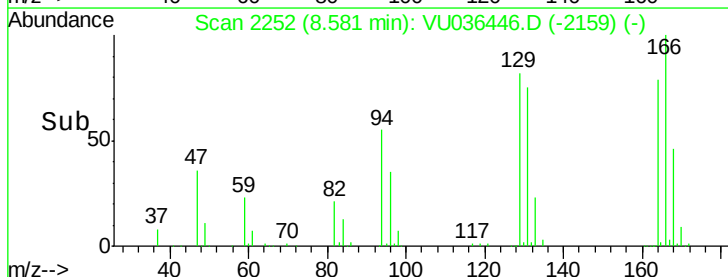
Abundance Ion 164.00 (163.70 to 164.70): V

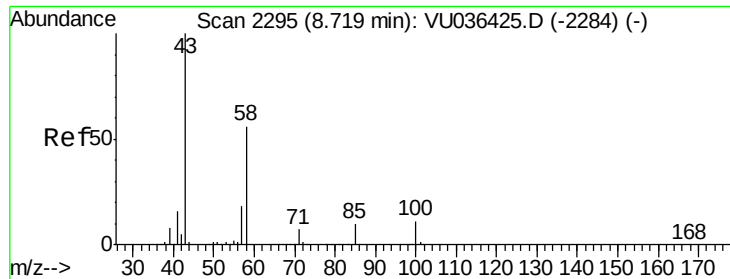
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

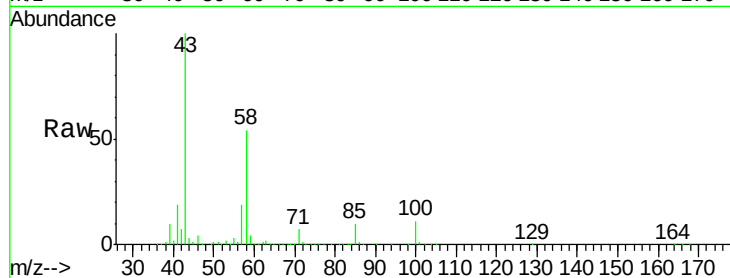




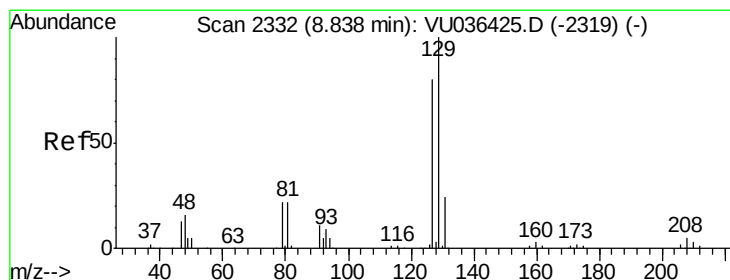
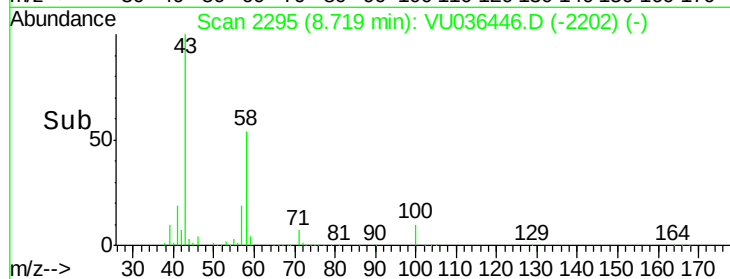
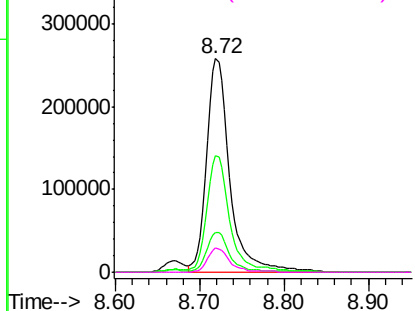
#48
2-Hexanone
Concen: 105.731 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:	43	Resp:	495485
Ion	Ratio	Lower	Upper
43	100		
58	49.8	42.2	63.4
57	17.5	14.8	22.2
100	10.6	8.8	13.2

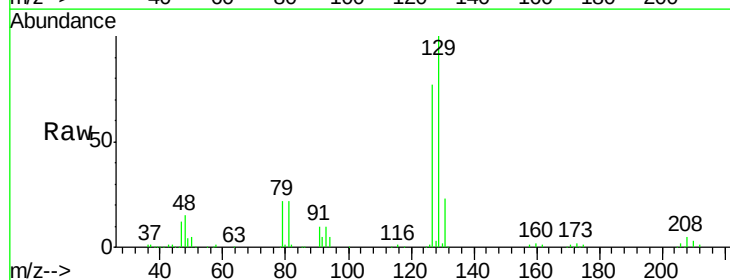


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

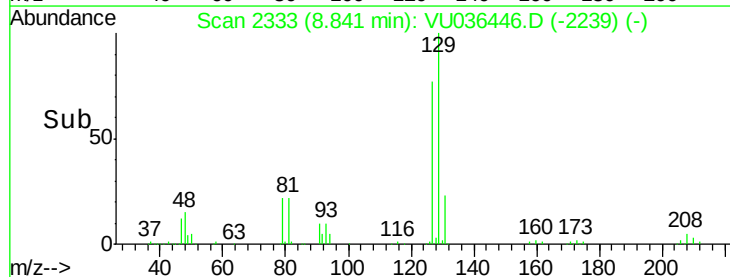
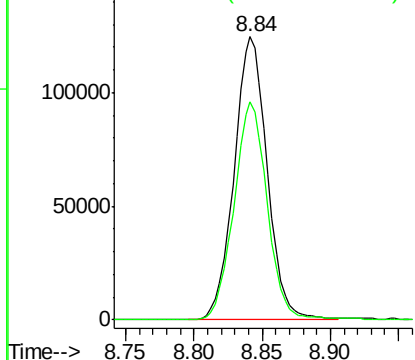


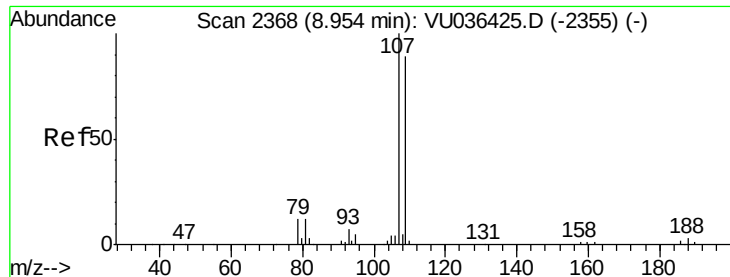
#49
Dibromochloromethane
Concen: 51.034 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion:	129	Resp:	209462
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.8	101.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

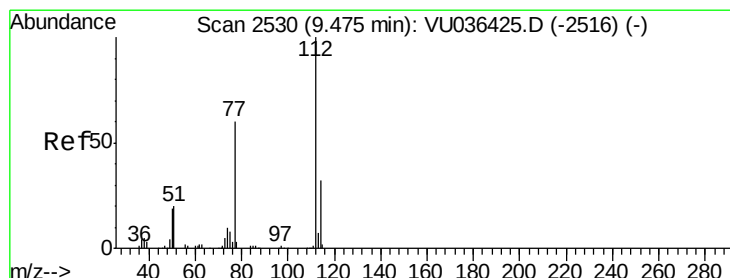
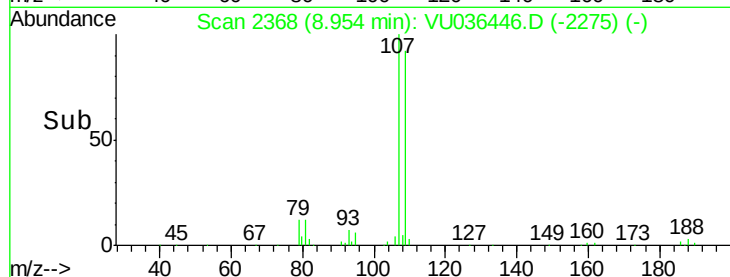
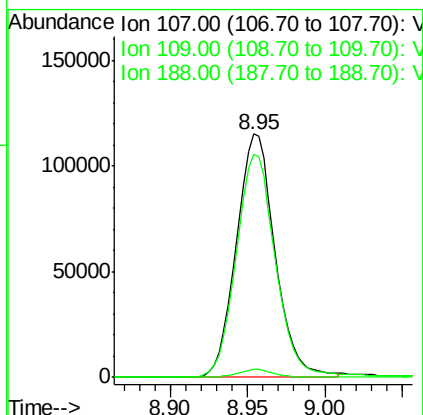
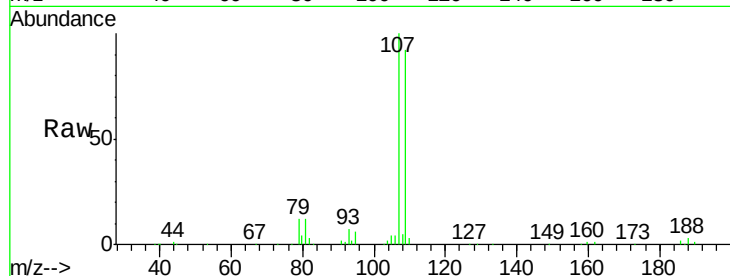




#50
1,2-Dibromoethane
Concen: 51.684 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

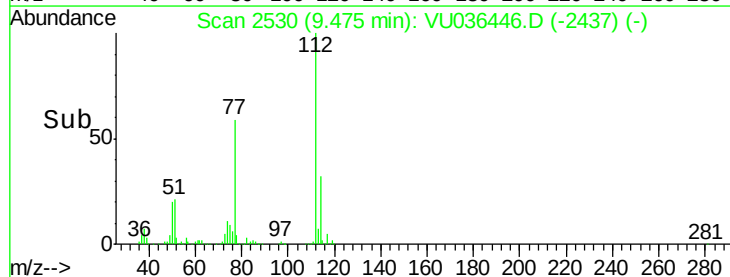
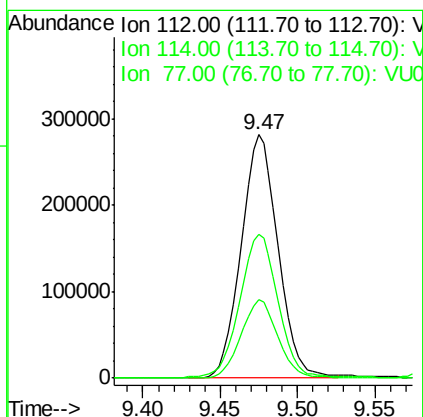
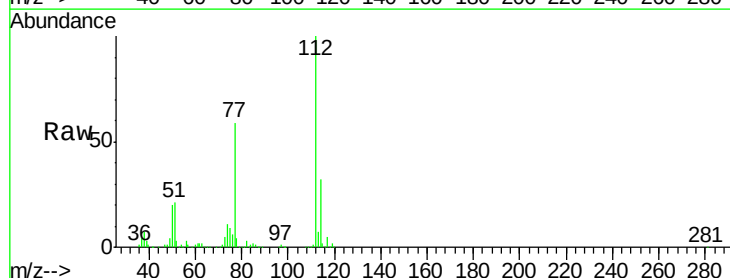
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

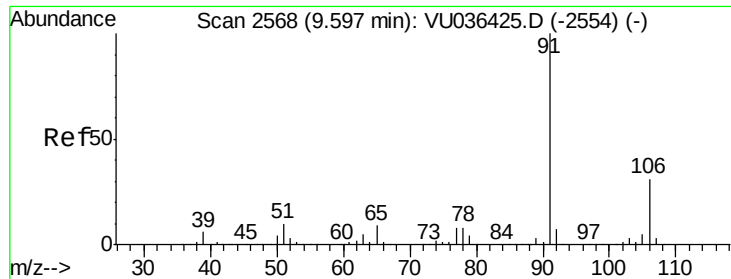
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.8	67.3	124.9
188	3.2	2.6	3.8



#51
Chlorobenzene
Concen: 50.782 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	59.3	48.7	73.1





#52

Ethylbenzene

Concen: 49.635 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

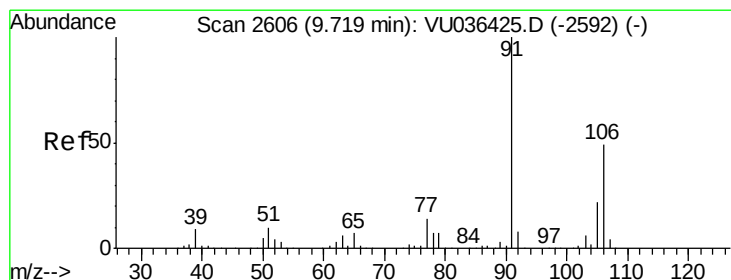
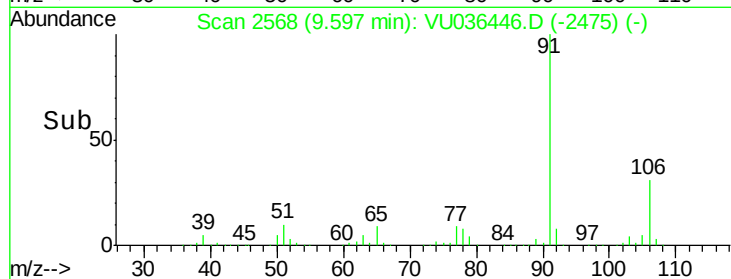
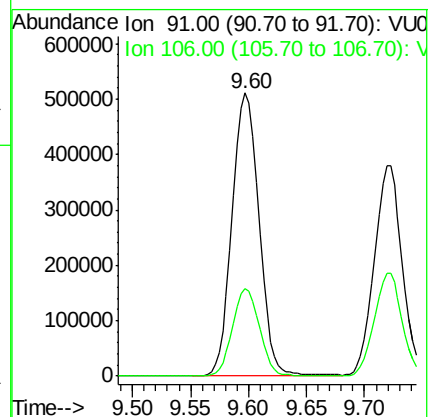
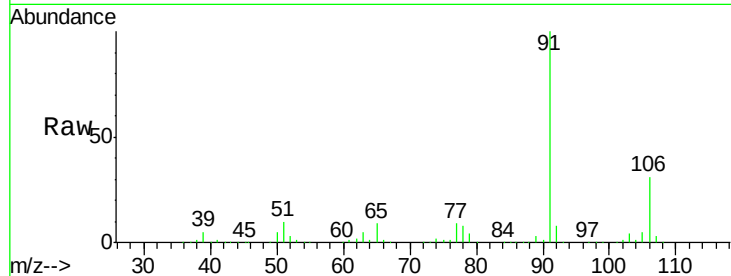
VSTD05038

Tgt Ion: 91 Resp: 823363

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 51.092 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036446.D

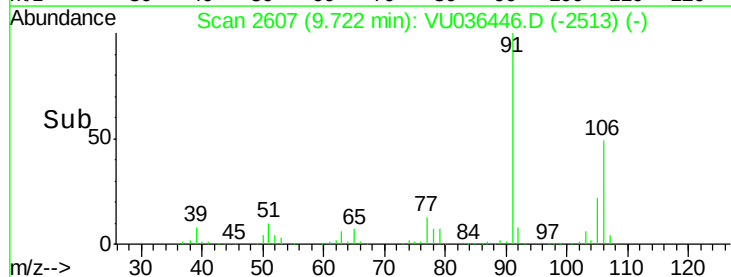
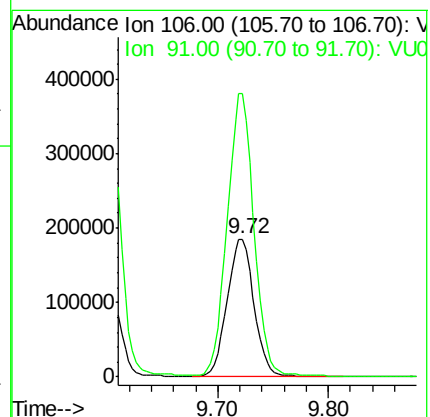
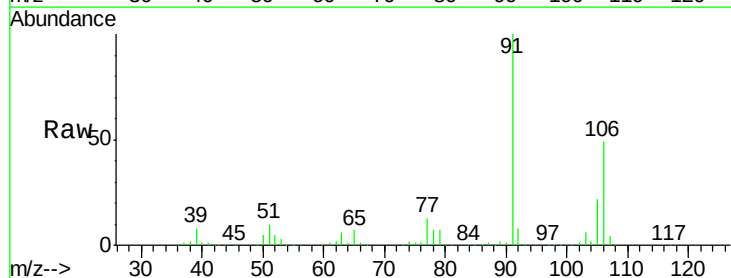
Acq: 13 Jan 2020 19:28

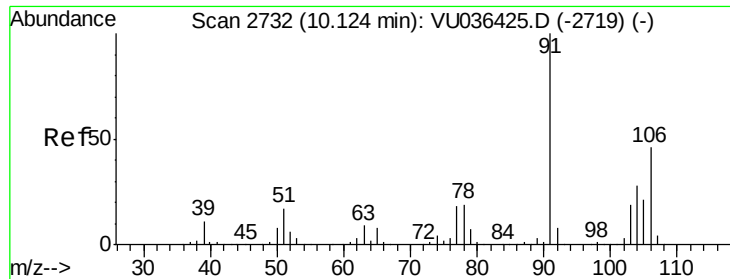
Tgt Ion: 106 Resp: 314392

Ion Ratio Lower Upper

106 100

91 205.4 146.8 272.6

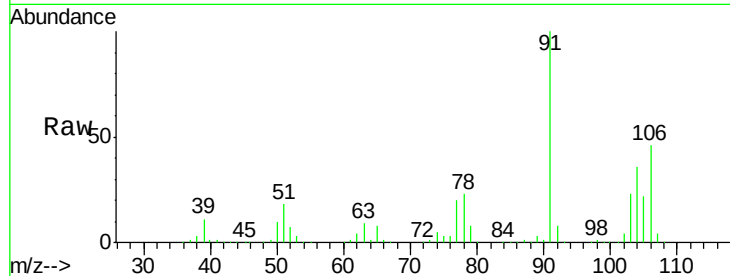




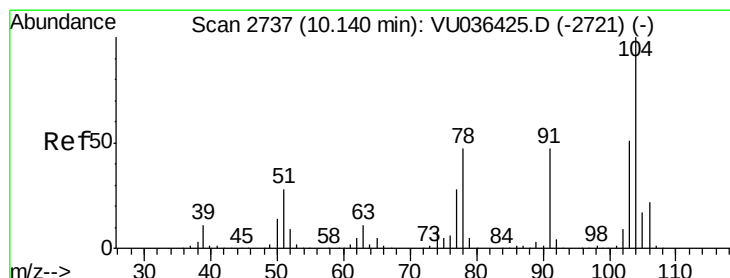
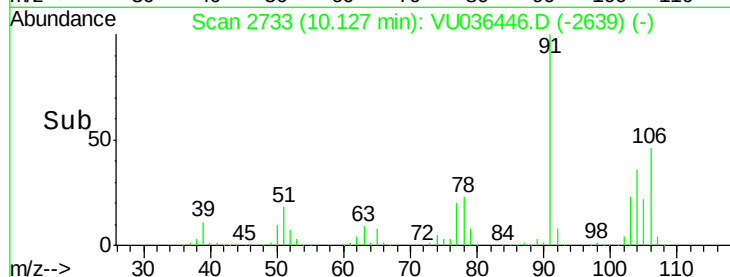
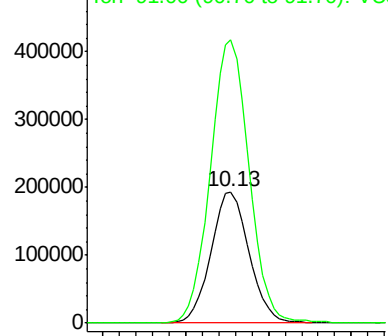
#54
o-xylene
Concen: 50.147 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:106 Resp: 309619
Ion Ratio Lower Upper
106 100
91 215.4 156.4 290.4

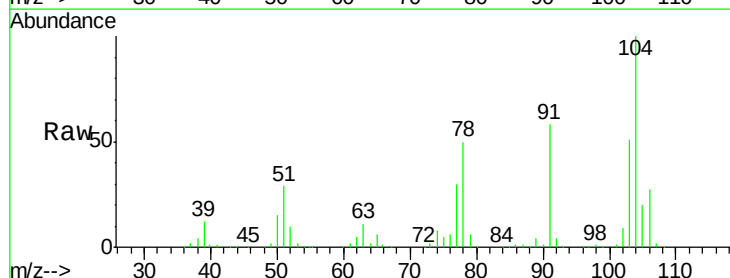


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

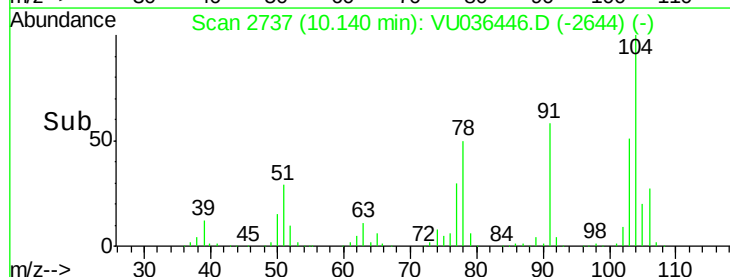
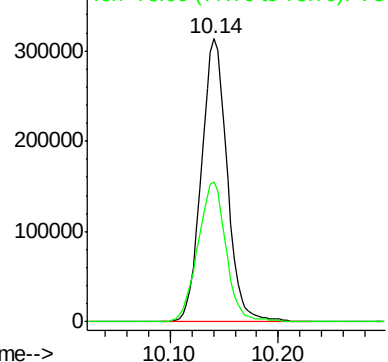


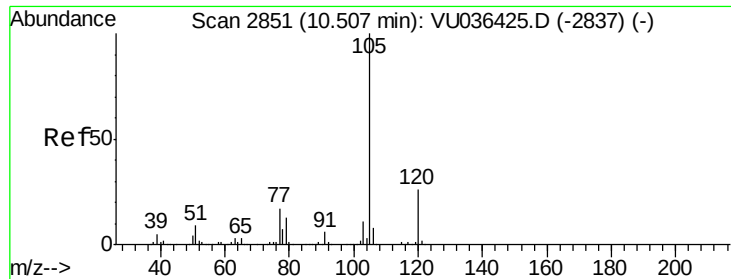
#55
Styrene
Concen: 50.114 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036446.D
Acq: 13 Jan 2020 19:28

Tgt Ion:104 Resp: 523165
Ion Ratio Lower Upper
104 100
78 49.6 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: 50.557 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

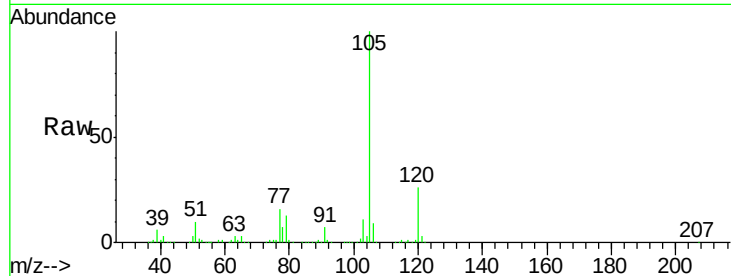
Tgt Ion: 105 Resp: 813587

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

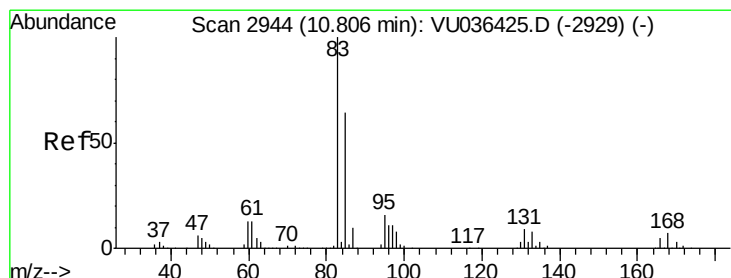
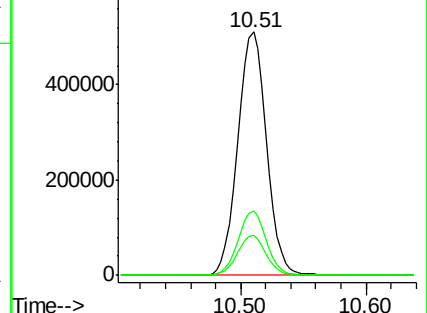
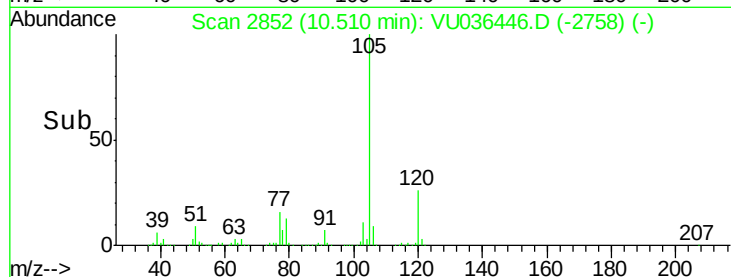
77 16.4 13.3 19.9



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: 52.016 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

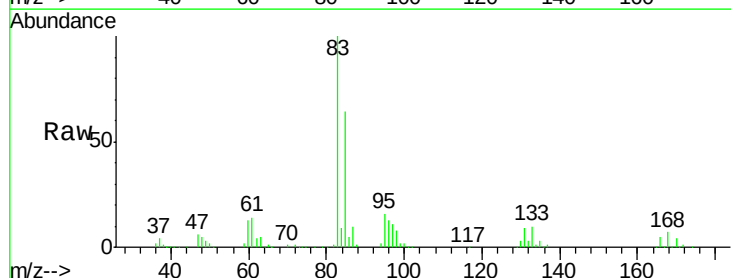
Tgt Ion: 83 Resp: 328763

Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

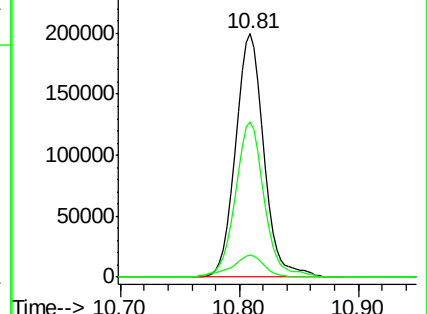
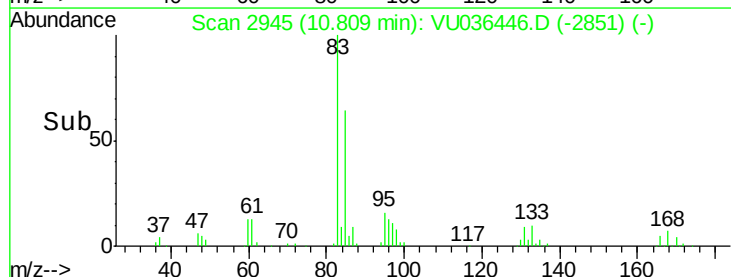
131 8.9 7.5 11.3

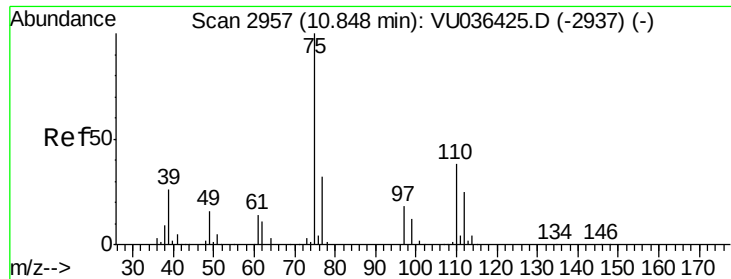


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

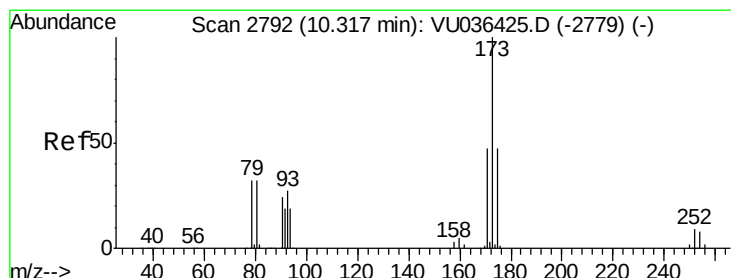
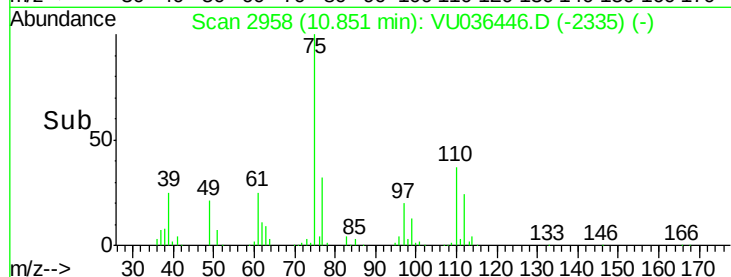
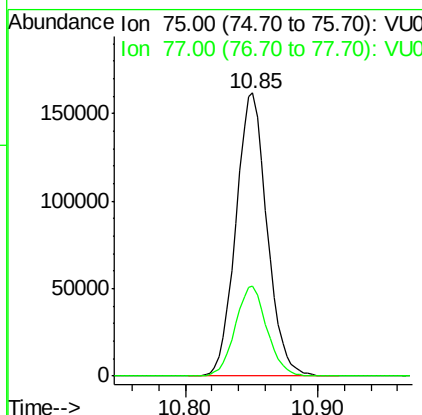
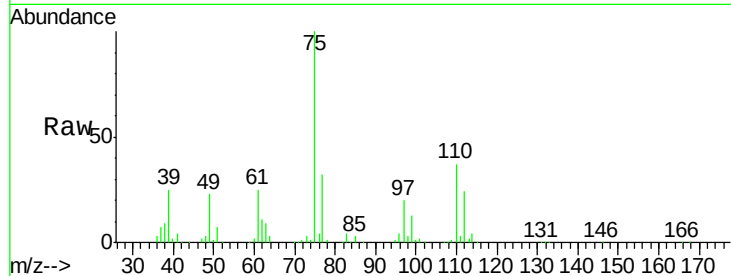




#59
 1,2,3-Trichloropropane
 Concen: 52.477 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

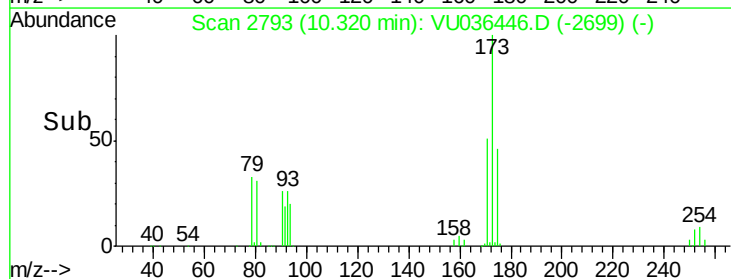
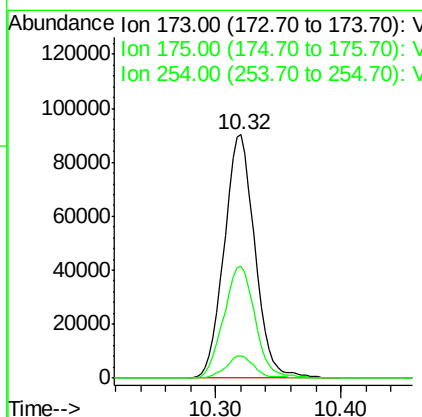
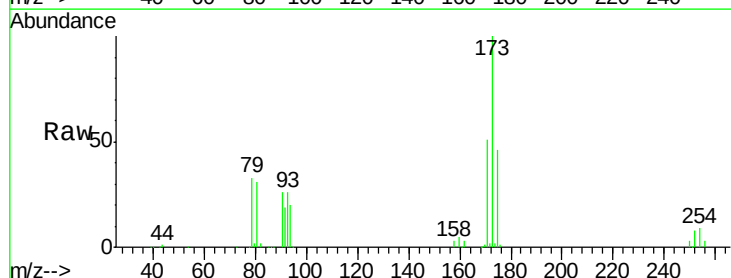
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

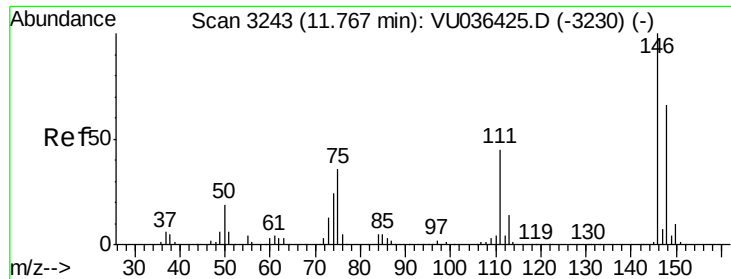
Tgt Ion: 75 Resp: 263890
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5



#61
 Bromoform
 Concen: 49.139 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

Tgt Ion: 173 Resp: 154255
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.7 58.1
 254 8.5 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 49.956 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

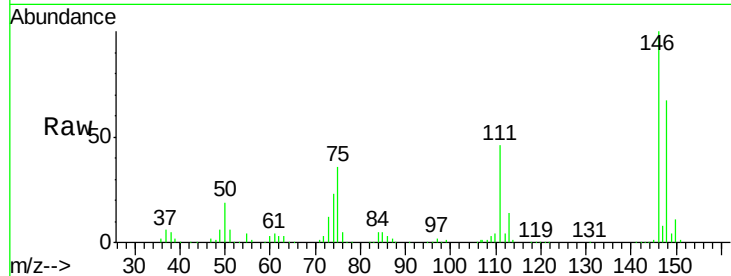
Tgt Ion:146 Resp: 341023

Ion Ratio Lower Upper

146 100

111 45.9 29.1 54.1

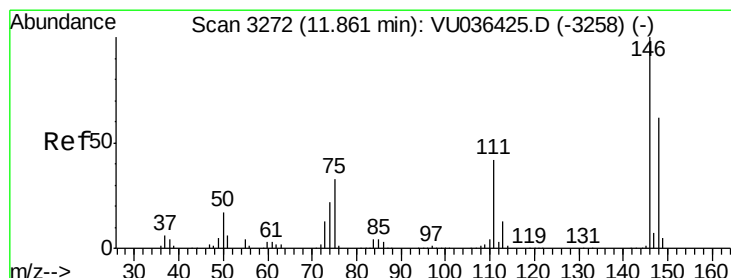
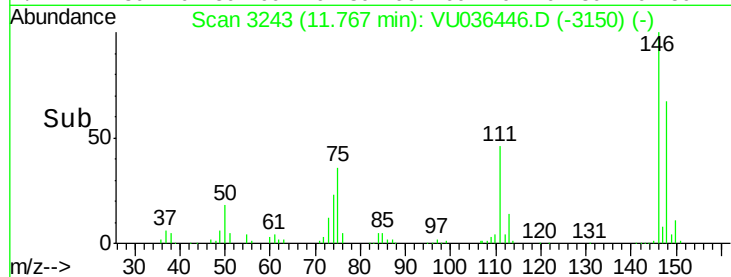
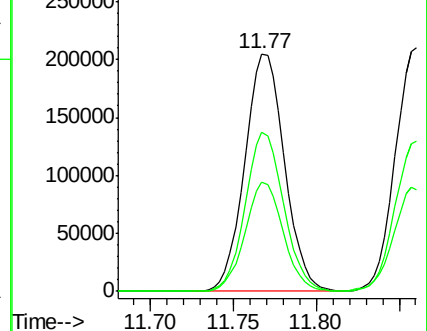
148 67.0 46.9 87.1



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: 50.868 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

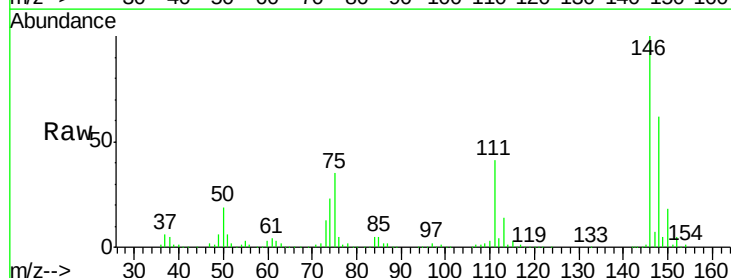
Tgt Ion:146 Resp: 344460

Ion Ratio Lower Upper

146 100

111 41.5 29.7 55.1

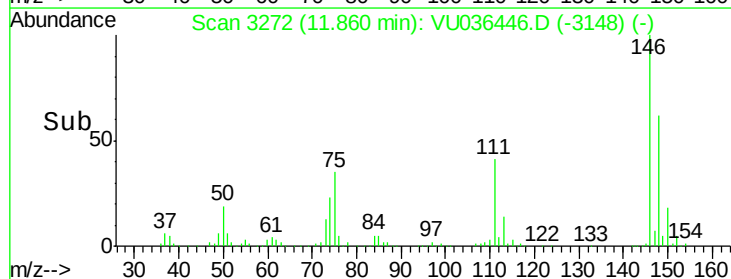
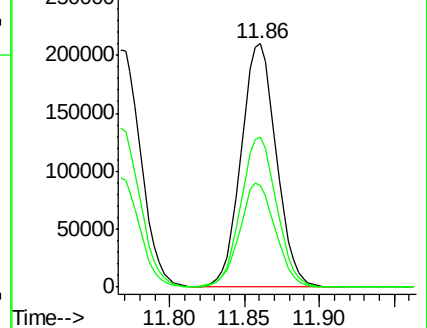
148 61.7 45.6 84.6

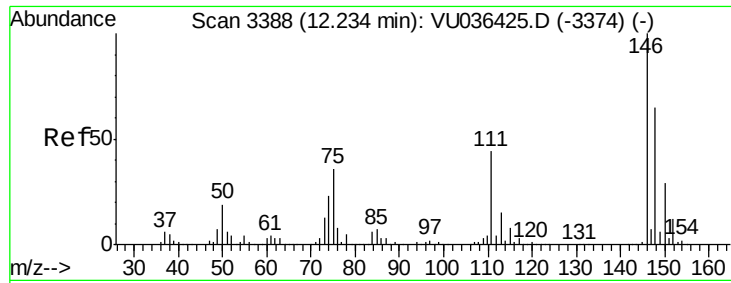


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

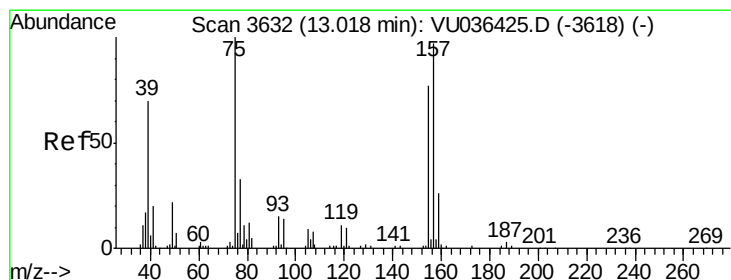
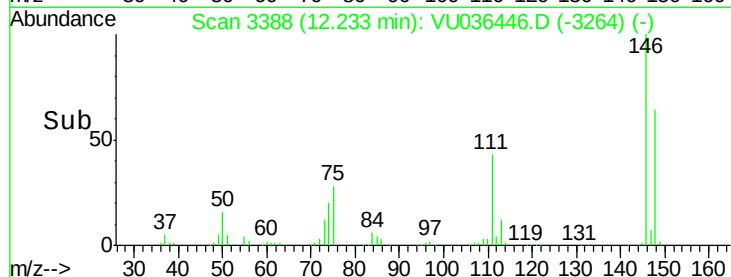
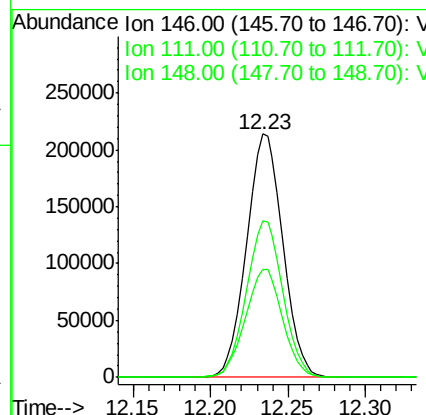
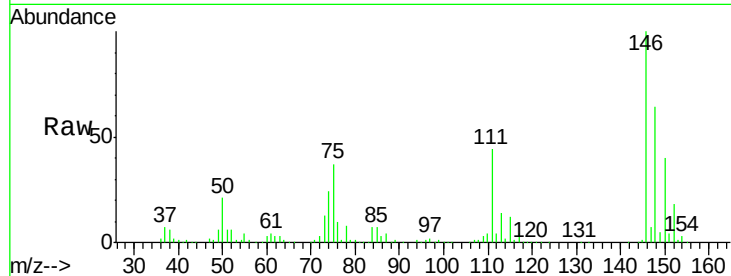




#65
 1,2-Dichlorobenzene
 Concen: 51.144 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

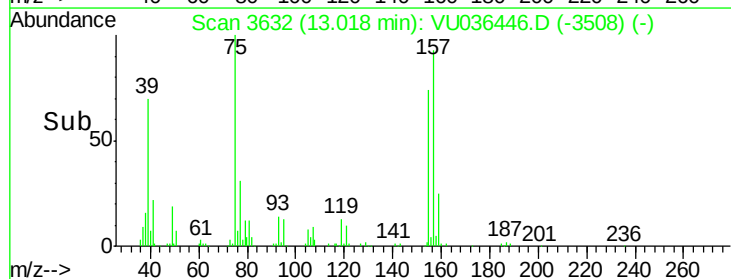
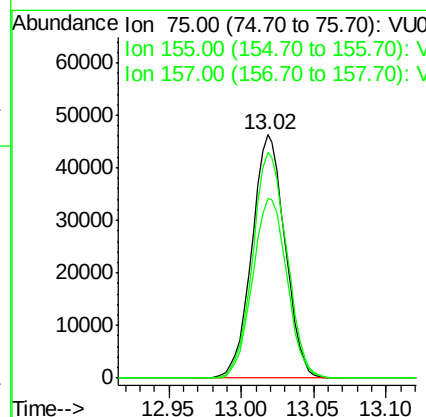
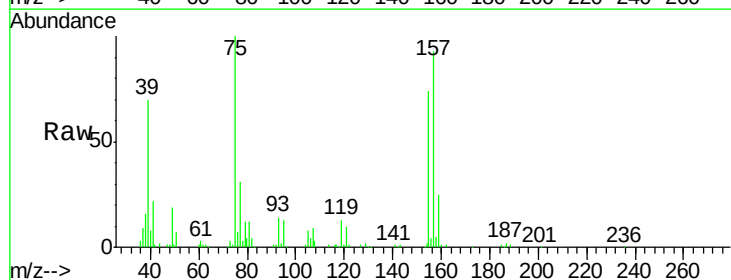
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

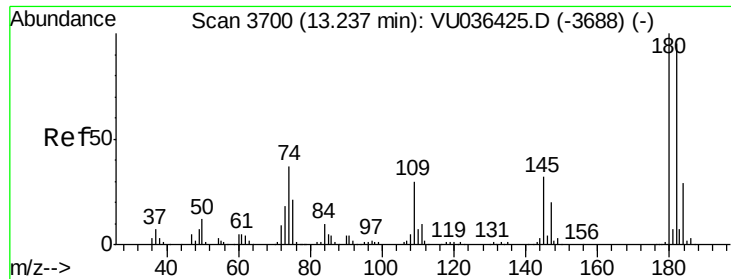
Tgt Ion: 146 Resp: 349805
 Ion Ratio Lower Upper
 146 100
 111 44.4 33.4 50.2
 148 64.1 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.178 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

Tgt Ion: 75 Resp: 73701
 Ion Ratio Lower Upper
 75 100
 155 73.5 61.8 92.6
 157 92.8 84.2 126.2

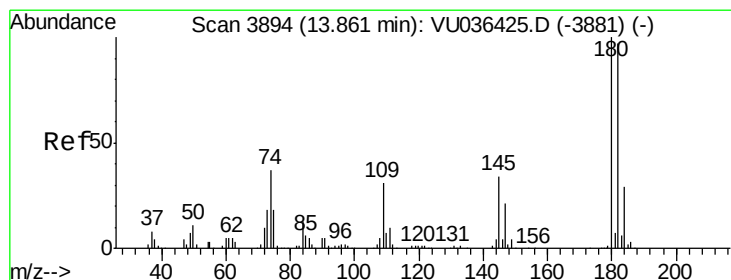
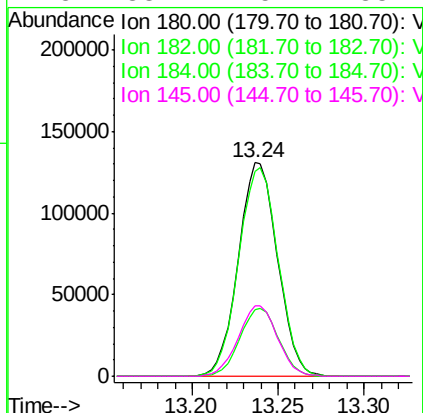
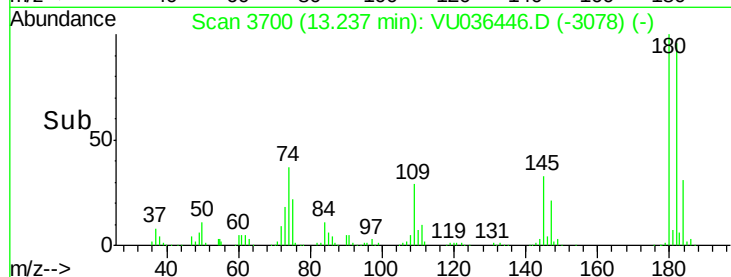
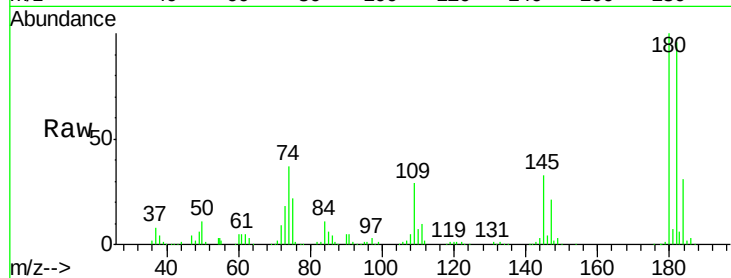




#67
 1,3,5-Trichlorobenzene
 Concen: 45.722 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

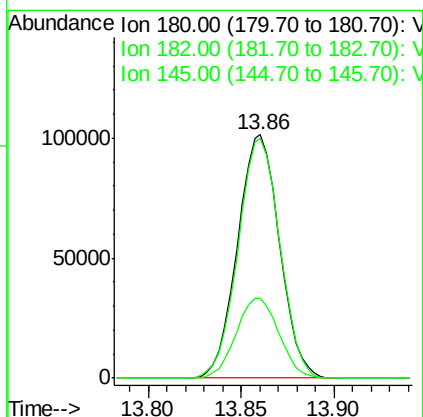
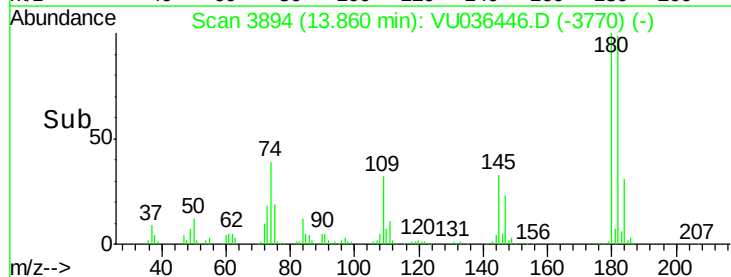
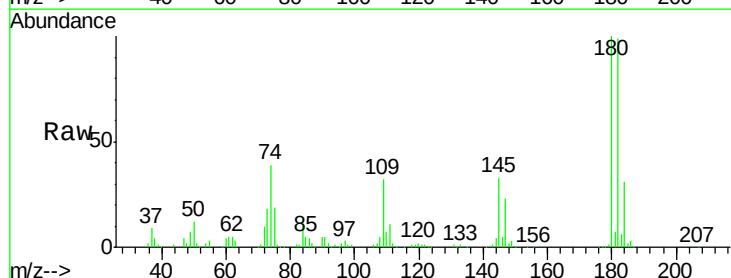
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

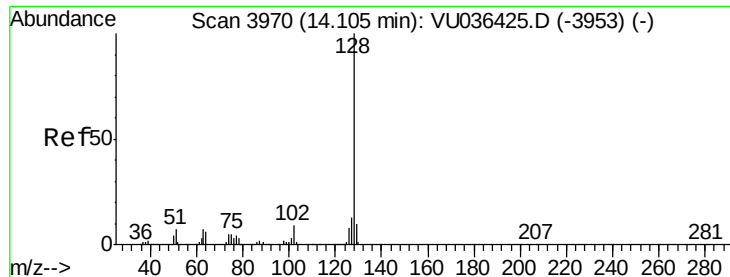
Tgt Ion:	180	Resp:	207263
Ion	Ratio	Lower	Upper
180	100		
182	98.8	74.6	112.0
184	31.4	23.9	35.9
145	33.1	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 46.271 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036446.D
 Acq: 13 Jan 2020 19:28

Tgt Ion:	180	Resp:	158965
Ion	Ratio	Lower	Upper
180	100		
182	98.3	78.0	117.0
145	33.6	26.0	39.0





#69

Naphthalene

Concen: 43.178 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

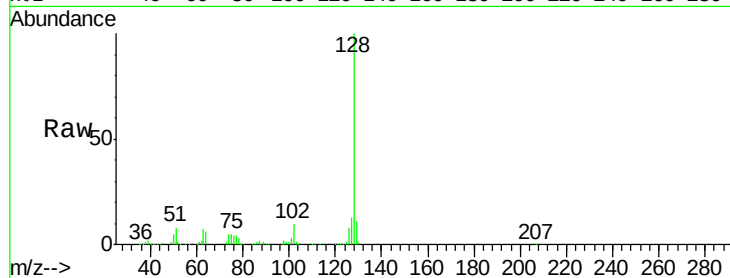
Tgt Ion:128 Resp: 509722

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

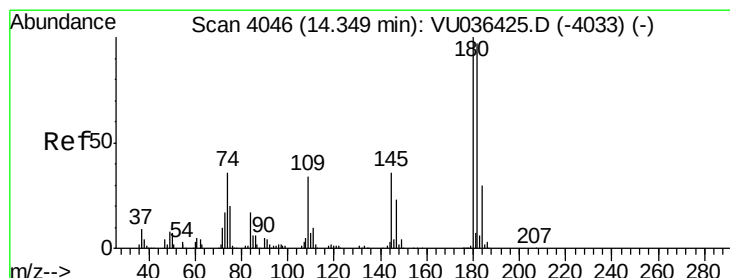
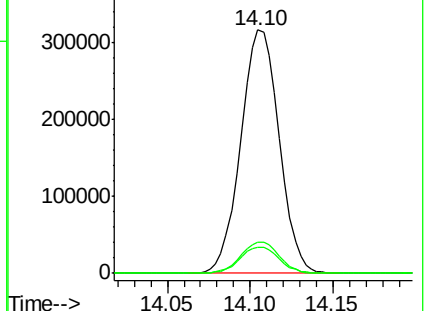
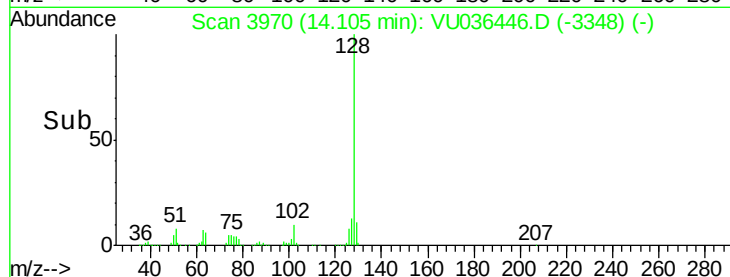
129 11.1 8.5 12.7



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: 46.611 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036446.D

Acq: 13 Jan 2020 19:28

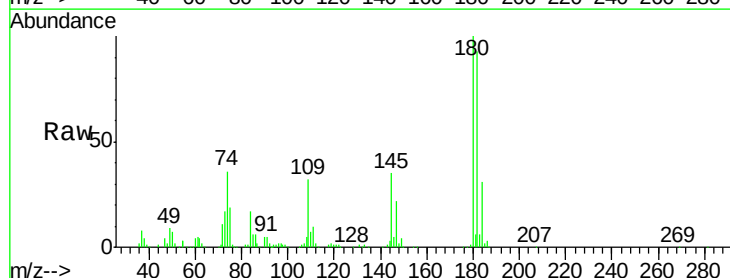
Tgt Ion:180 Resp: 168166

Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.2

145 35.3 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

