

Data File : VU036725.D
Acq On : 11 Feb 2020 16:17
Operator : JC/MD
Sample : VSTD00105
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Quant Time: Feb 12 07:35:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 12 07:32:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	119946	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	113835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	50595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	9724	1.08	ug/L	0.00
7) Chloroethane-d5	1.93	69	8066	0.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	16617	1.03	ug/L	0.00
20) 2-Butanone-d5	4.69	46	21237	9.53	ug/L	0.01
24) Chloroform-d	5.11	84	14686	0.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	8863	0.95	ug/L	0.00
32) Benzene-d6	5.77	84	31570	0.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	9950	0.93	ug/L	0.00
41) Toluene-d8	7.93	98	28782	0.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	3670	0.76	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	17377	8.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	8089	0.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	9568	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	7851	0.841 ug/L	99
3) Chloromethane	1.54	50	8645	0.955 ug/L	99
5) Vinyl chloride	1.62	62	9870	0.987 ug/L	96
6) Bromomethane	1.87	94	5819	1.004 ug/L	98
8) Chloroethane	1.95	64	6805	1.127 ug/L	97
9) Trichlorofluoromethane	2.16	101	12889	0.924 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8392	1.116 ug/L	97
12) 1,1-Dichloroethene	2.61	96	7654	1.047 ug/L	92
13) Acetone	2.69	43	30329	17.408 ug/L	99
14) Carbon disulfide	2.82	76	18095	0.796 ug/L	96
15) Methyl Acetate	3.00	43	3954	1.206 ug/L	94
16) Methylene chloride	3.08	84	15054	1.568 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	21701	1.017 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	7553	0.937 ug/L	94
19) 1,1-Dichloroethane	3.92	63	16020	1.062 ug/L	98
21) 2-Butanone	4.78	43	34582	13.579 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	9466	1.021 ug/L	97
23) Bromochloromethane	5.02	128	3635	0.954 ug/L	94
25) Chloroform	5.13	83	17443	1.100 ug/L	97
27) 1,2-Dichloroethane	5.84	62	11312	1.086 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	12483	0.904 ug/L	98
30) Cyclohexane	5.43	56	13376	0.962 ug/L	99
31) Carbon tetrachloride	5.57	117	9907	0.850 ug/L	95
33) Benzene	5.82	78	35683	1.047 ug/L	100
34) Trichloroethene	6.58	95	8771	0.970 ug/L	99
35) Methylcyclohexane	6.80	83	13978	0.974 ug/L	97
37) 1,2-Dichloropropane	6.83	63	9668	1.092 ug/L	95
38) Bromodichloromethane	7.14	83	11363	0.953 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	13228	0.929 ug/L	95
40) 4-Methyl-2-pentanone	7.84	43	62453	10.103 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	37405	0.997	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	10314	0.886	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	6993	1.092	ug/L	93
47) Tetrachloroethene	8.58	164	6477	1.026	ug/L	98
48) 2-Hexanone	8.72	43	51352	11.252	ug/L	99
49) Dibromochloromethane	8.84	129	6707	0.822	ug/L	100
50) 1,2-Dibromoethane	8.95	107	6115	0.964	ug/L #	93
51) Chlorobenzene	9.47	112	23501	1.011	ug/L	98
52) Ethylbenzene	9.60	91	41701	1.006	ug/L	98
53) m,p-Xylene	9.72	106	14883	0.936	ug/L	92
54) o-Xylene	10.13	106	14922	0.964	ug/L	99
55) Styrene	10.14	104	24625	0.939	ug/L	99
56) Isopropylbenzene	10.51	105	39692	0.967	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	8733	1.013	ug/L	92
59) 1,2,3-Trichloropropane	10.85	75	6528	1.070	ug/L	97
61) Bromoform	10.32	173	3362	0.773	ug/L #	95
62) 1,3-Dichlorobenzene	11.77	146	17676	1.038	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	17125	1.015	ug/L	95
65) 1,2-Dichlorobenzene	12.23	146	17798	1.100	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	1248	0.870	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	11923	0.987	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	8665	0.973	ug/L	98
69) Naphthalene	14.10	128	14111	0.891	ug/L	97
70) 1,2,3-Trichlorobenzene	14.34	180	7659	0.895	ug/L	98

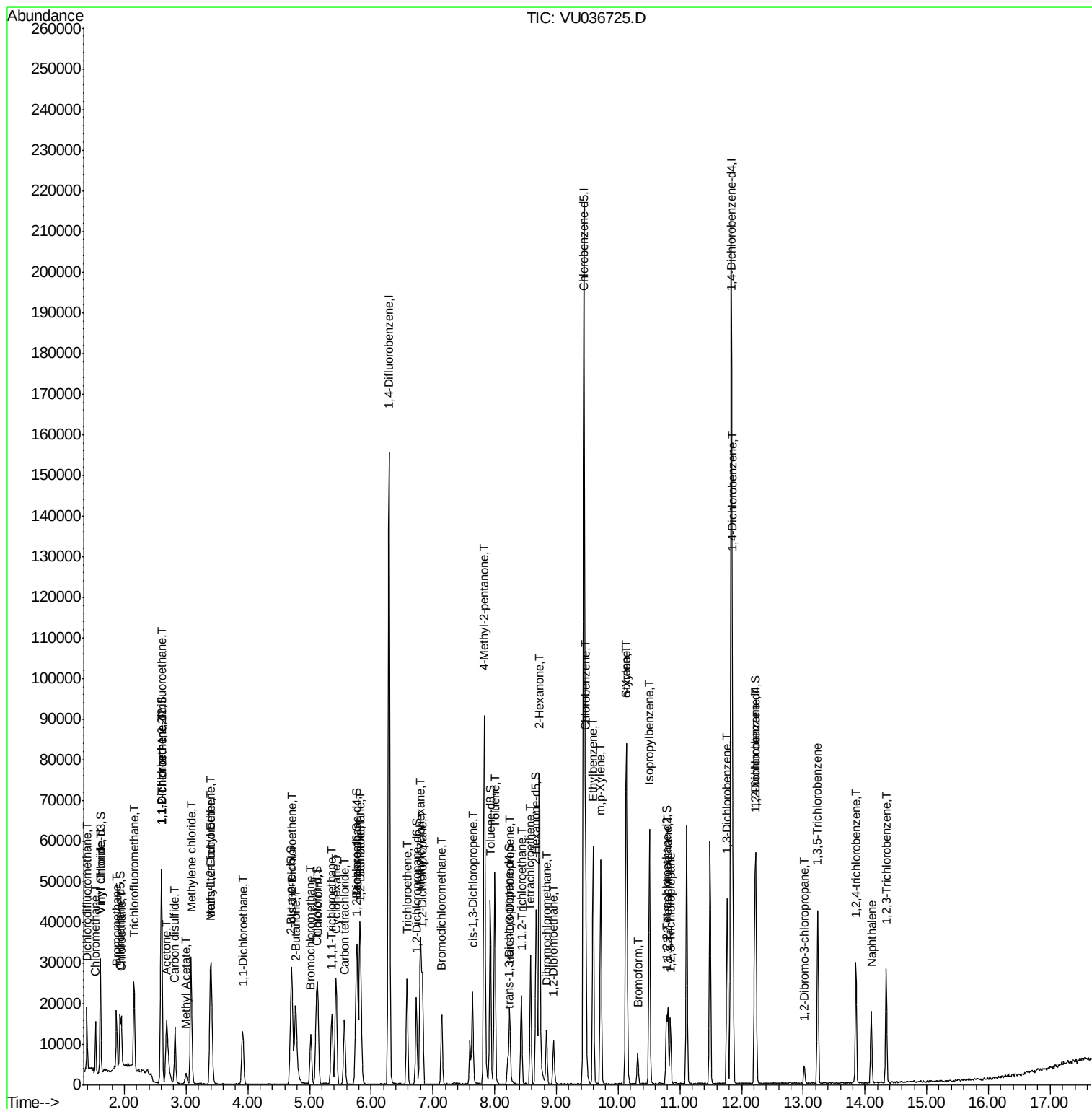
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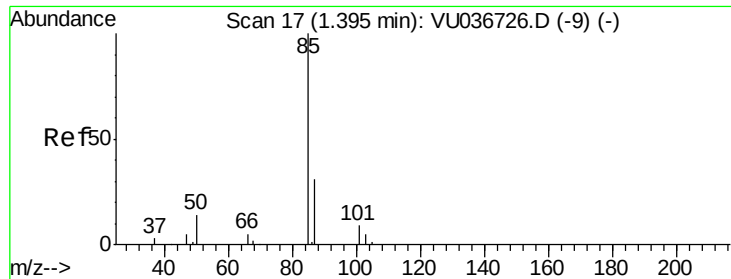
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#2

Dichlorodifluoromethane

Concen: 0.841 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

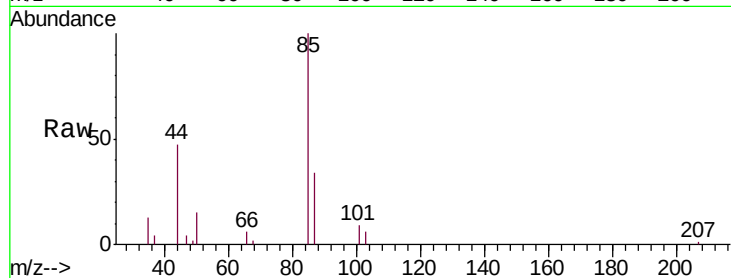
VSTD00105

Tgt Ion: 85 Resp: 7851

Ion Ratio Lower Upper

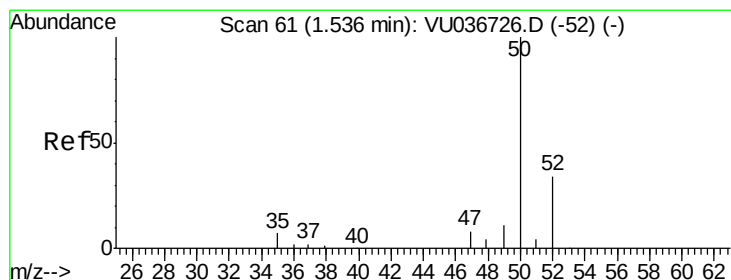
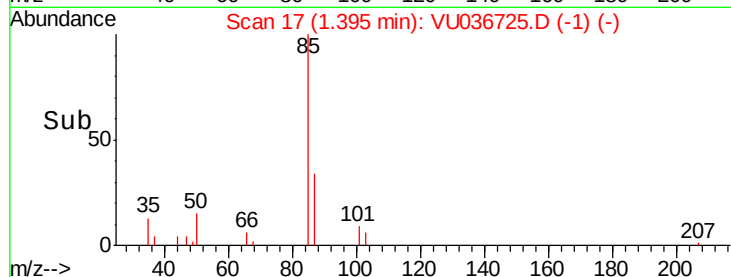
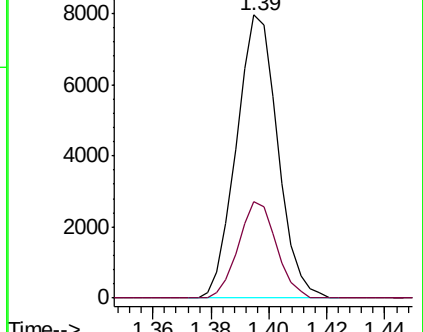
85 100

87 31.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036726.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036726.D (-9) (-)



#3

Chloromethane

Concen: 0.955 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036725.D

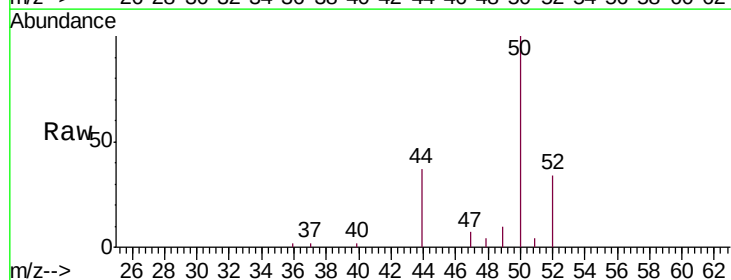
Acq: 11 Feb 2020 16:17

Tgt Ion: 50 Resp: 8645

Ion Ratio Lower Upper

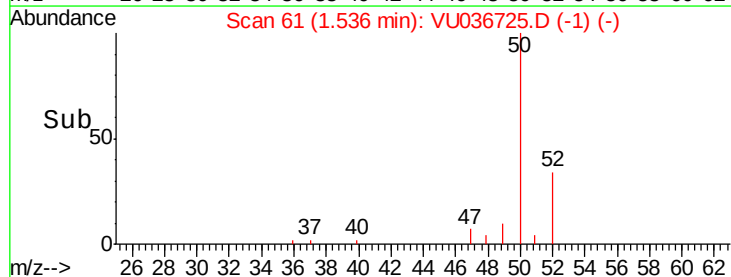
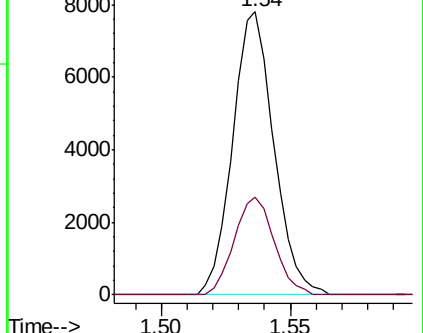
50 100

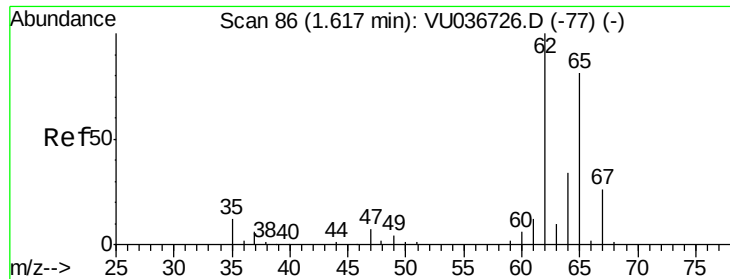
52 34.5 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036726.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036726.D (-52) (-)





#5

Vinyl chloride

Concen: 0.987 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

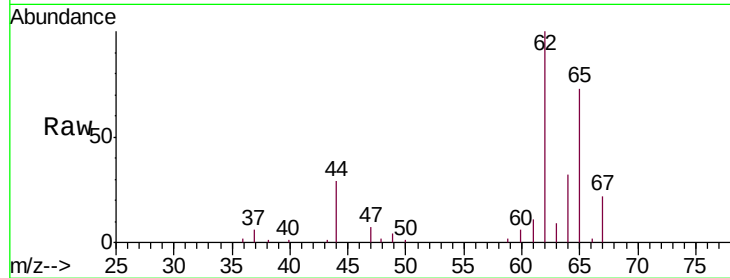
VSTD00105

Tgt Ion: 62 Resp: 9870

Ion Ratio Lower Upper

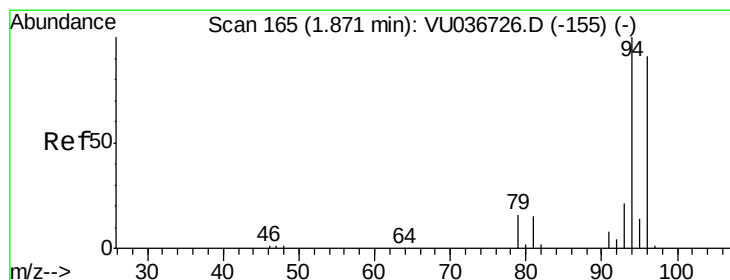
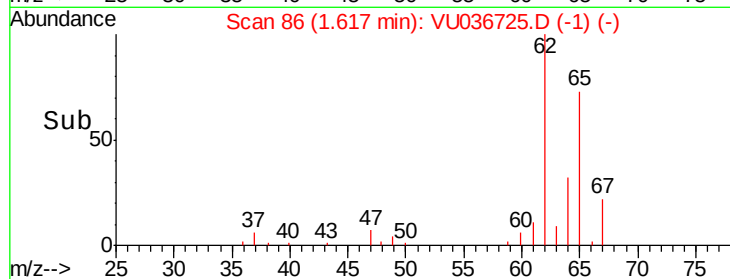
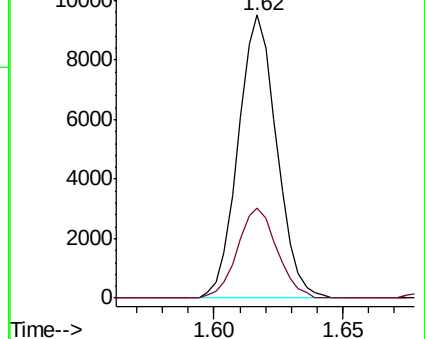
62 100

64 31.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036725.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036725.D (-77) (-)



#6

Bromomethane

Concen: 1.004 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036725.D

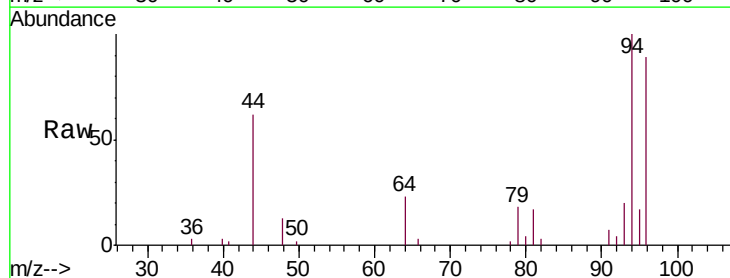
Acq: 11 Feb 2020 16:17

Tgt Ion: 94 Resp: 5819

Ion Ratio Lower Upper

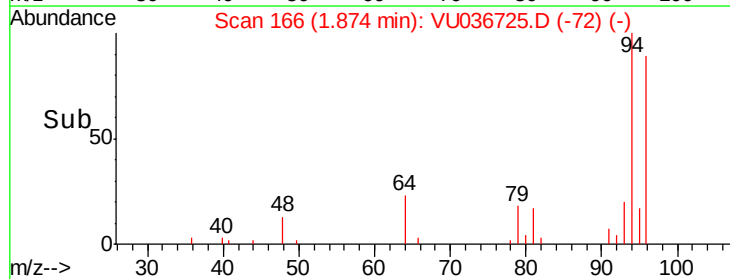
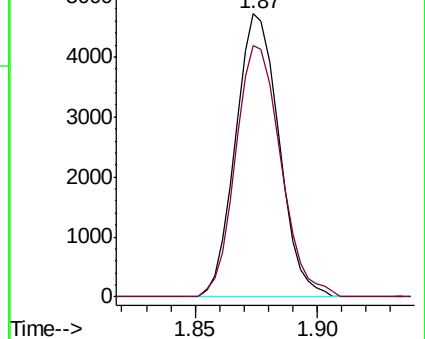
94 100

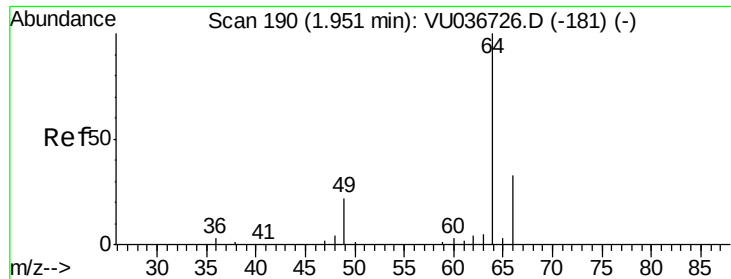
96 88.8 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036725.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036725.D (-155) (-)

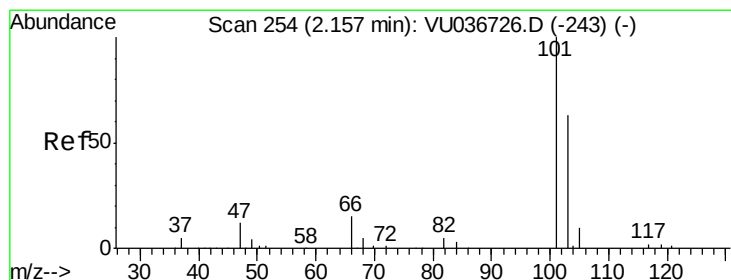
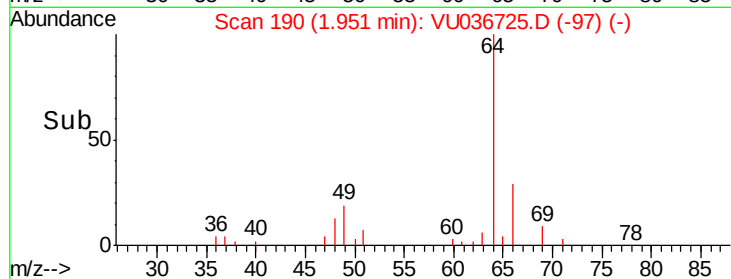
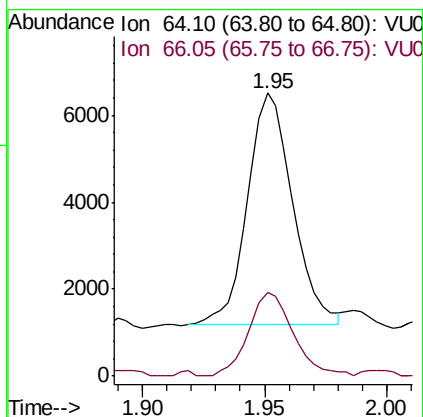
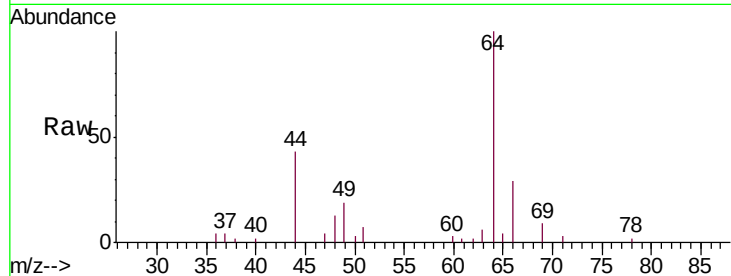




#8
Chloroethane
Concen: 1.127 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

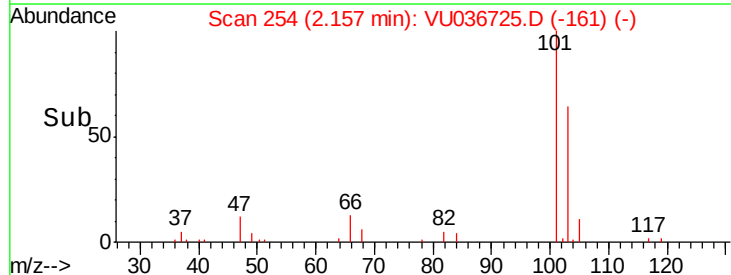
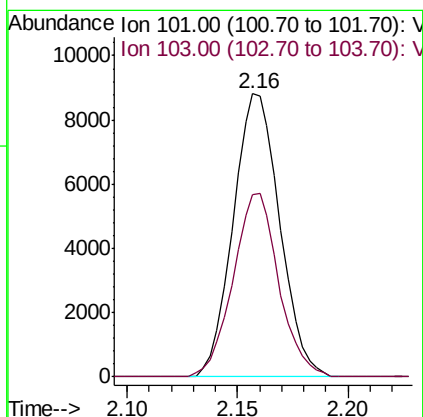
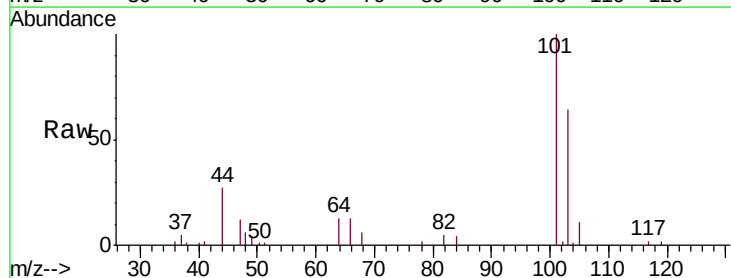
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

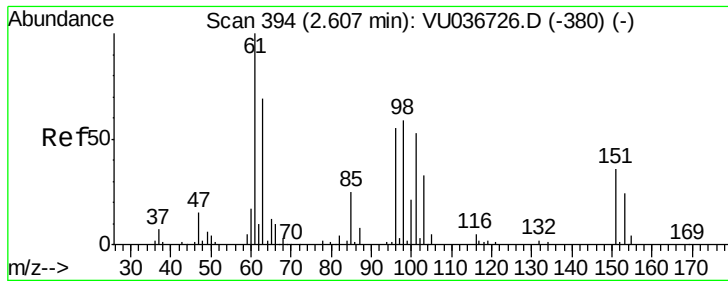
Tgt Ion: 64 Resp: 6805
Ion Ratio Lower Upper
64 100
66 29.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.924 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion: 101 Resp: 12889
Ion Ratio Lower Upper
101 100
103 63.6 51.0 76.6





#10

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

Concen: 1.116 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

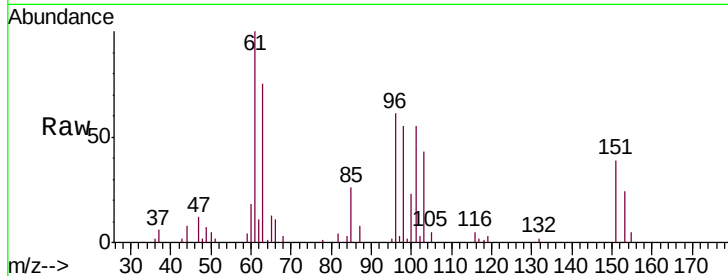
Tgt Ion:101 Resp: 8392

Ion Ratio Lower Upper

101 100

85 43.7 36.4 54.6

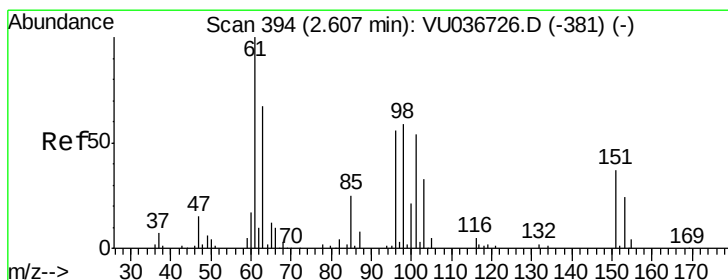
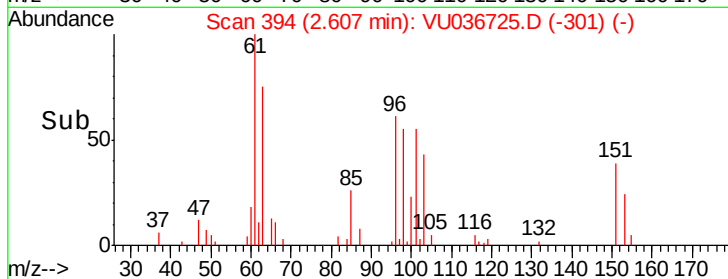
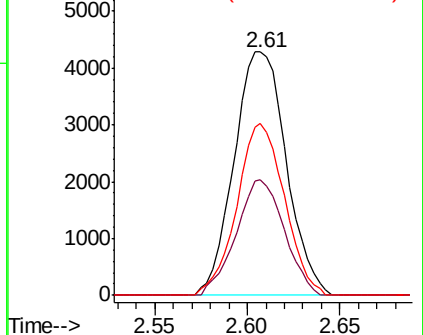
151 64.5 54.0 81.0



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: 1.047 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

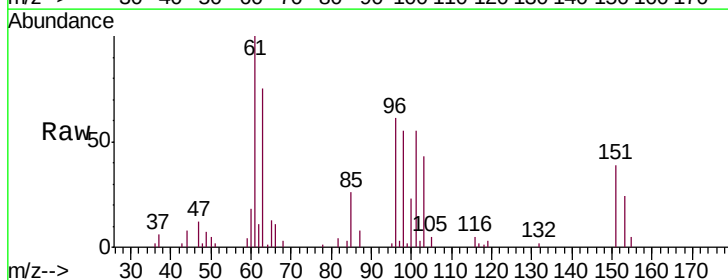
Tgt Ion: 96 Resp: 7654

Ion Ratio Lower Upper

96 100

61 164.2 126.4 234.8

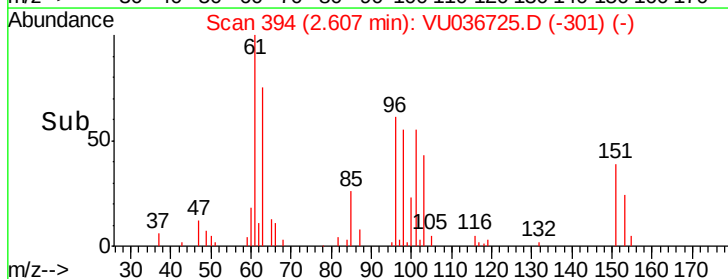
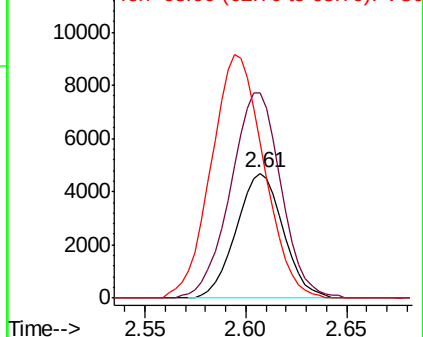
63 123.8 89.5 166.3

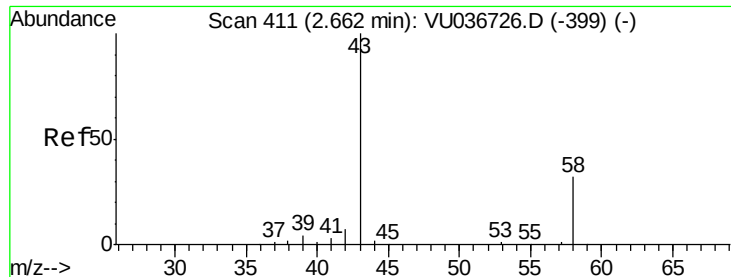


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 17.408 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.03 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampled :

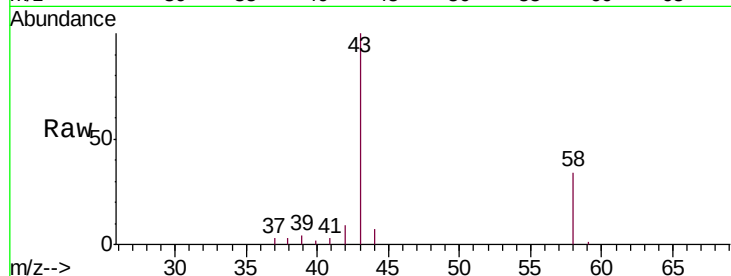
VSTD00105

Tgt Ion: 43 Resp: 30329

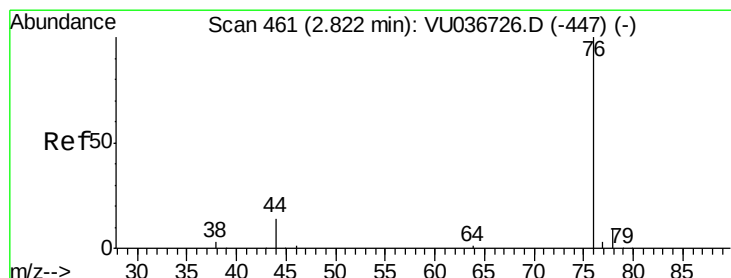
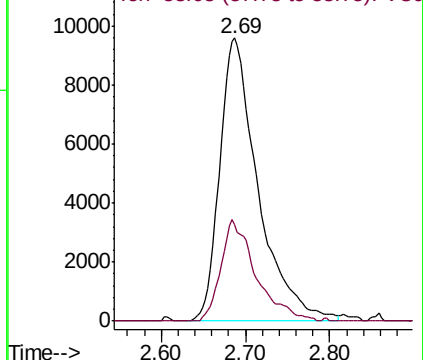
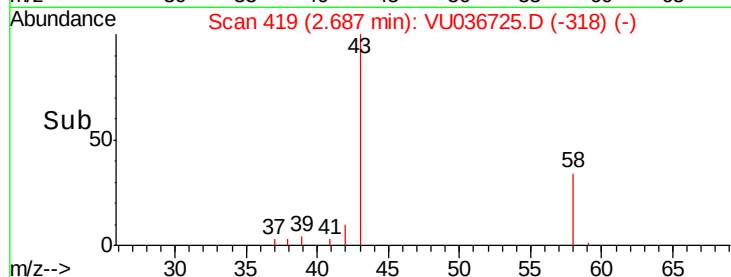
Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036725.D (-318) (-)



#14

Carbon disulfide

Concen: 0.796 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036725.D

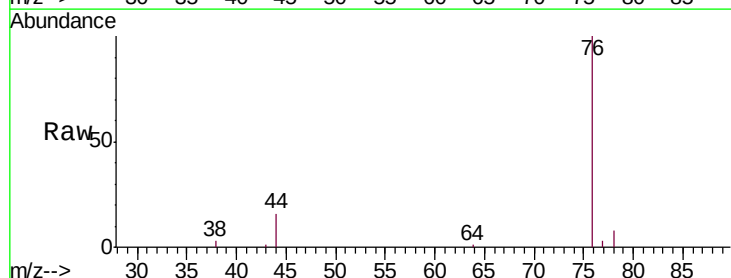
Acq: 11 Feb 2020 16:17

Tgt Ion: 76 Resp: 18095

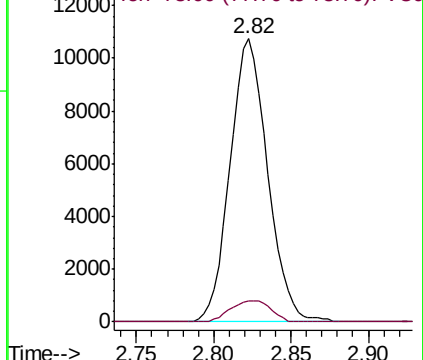
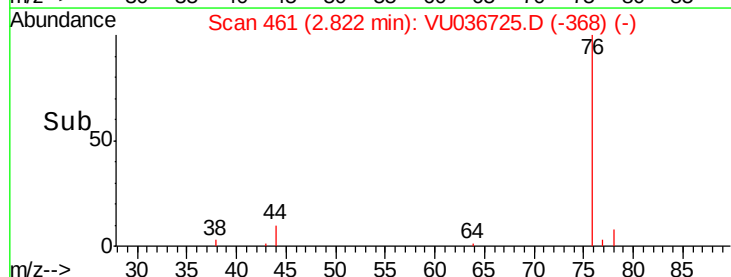
Ion Ratio Lower Upper

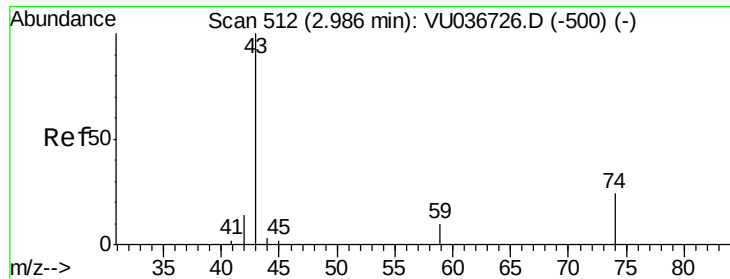
76 100

78 7.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036725.D (-368) (-)

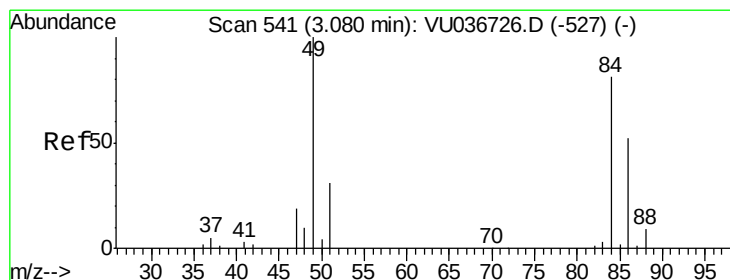
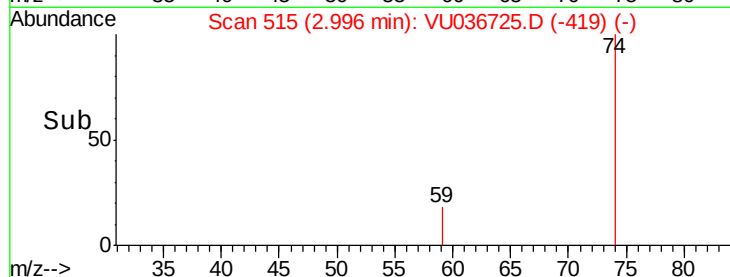
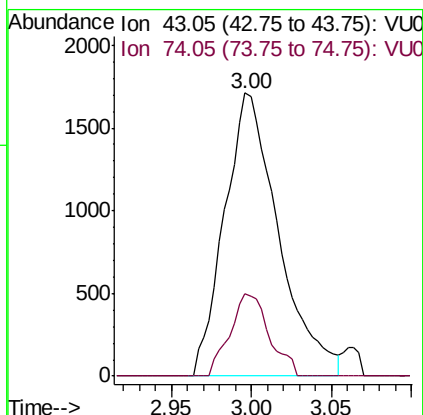
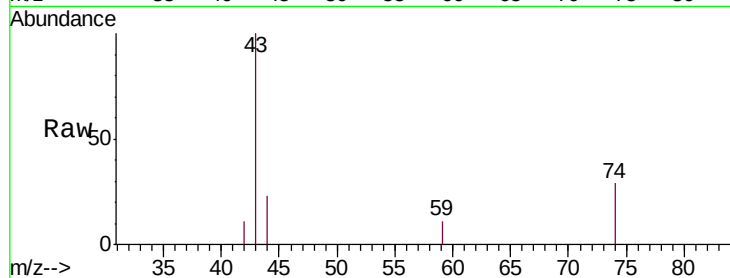




#15
Methyl Acetate
Concen: 1.206 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

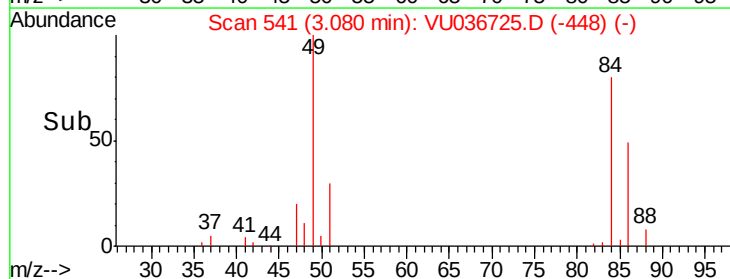
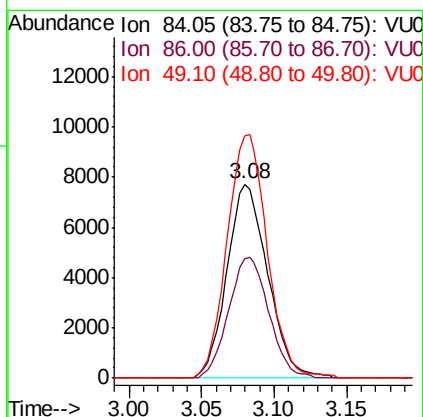
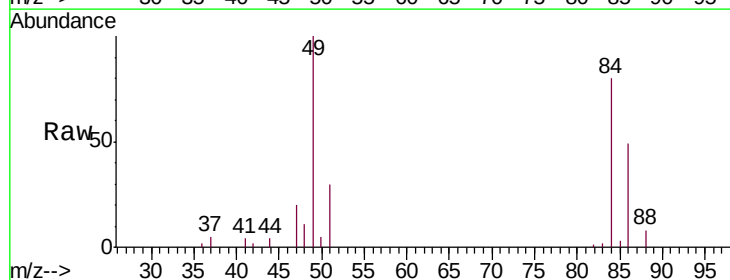
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

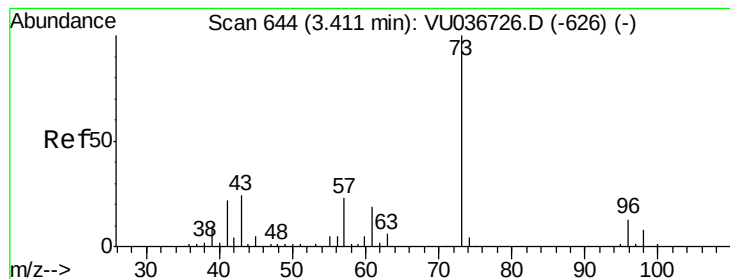
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
74 21.0 19.0 28.4



#16
Methylene chloride
Concen: 1.568 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion: 84 Resp: 15054
Ion Ratio Lower Upper
84 100
86 61.6 44.7 82.9
49 124.9 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 1.017 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

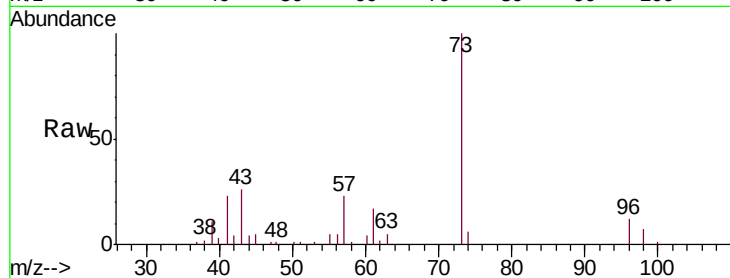
Tgt Ion: 73 Resp: 21701

Ion Ratio Lower Upper

73 100

43 23.5 18.7 28.1

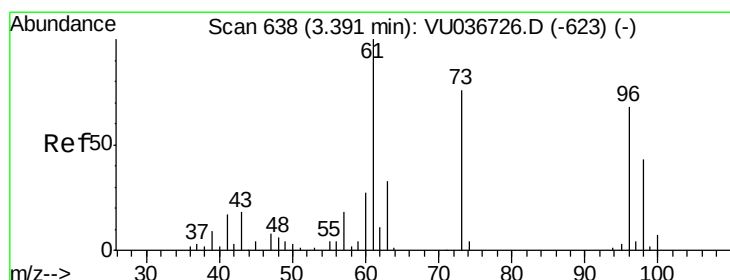
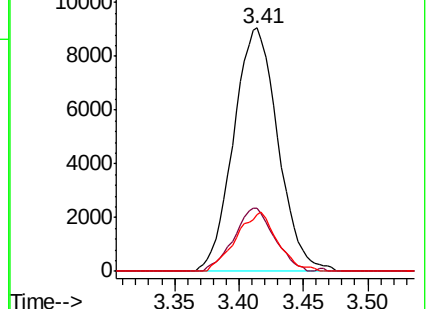
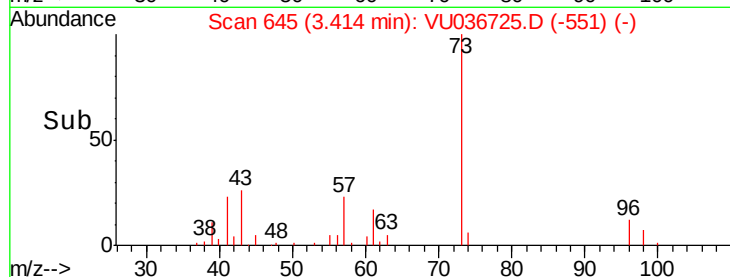
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036725.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036725.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036725.D (-551) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.937 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

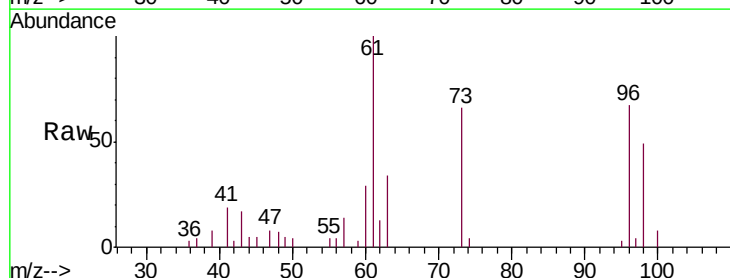
Tgt Ion: 96 Resp: 7553

Ion Ratio Lower Upper

96 100

61 149.5 102.6 190.5

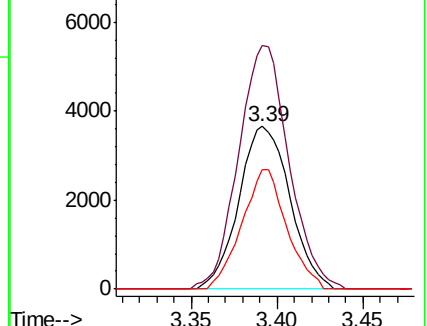
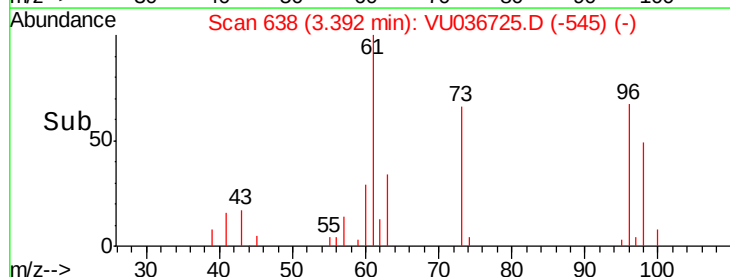
98 73.7 44.5 82.7

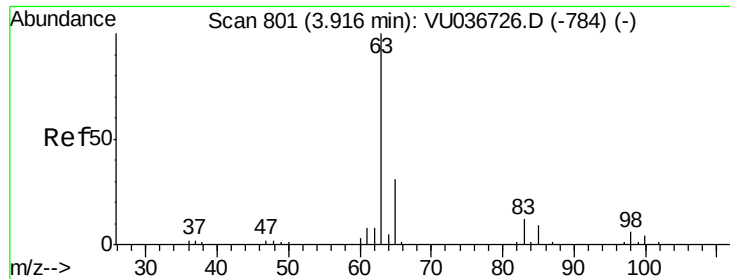


Abundance Ion 96.00 (95.70 to 96.70): VU036725.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU036725.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU036725.D (-545) (-)

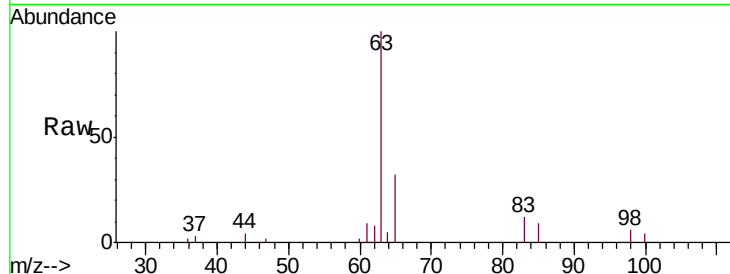




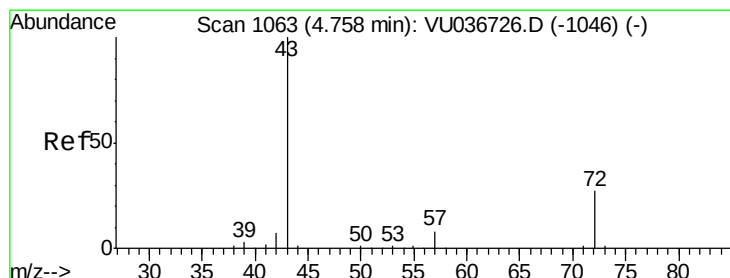
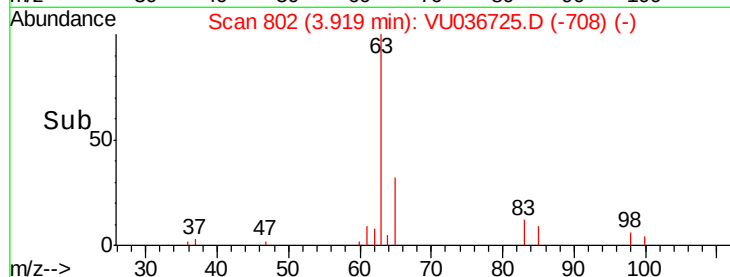
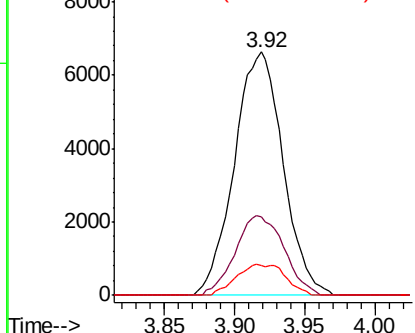
#19
 1,1-Dichloroethane
 Concen: 1.062 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion: 63 Resp: 16020
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.2
 83 12.2 8.8 16.3

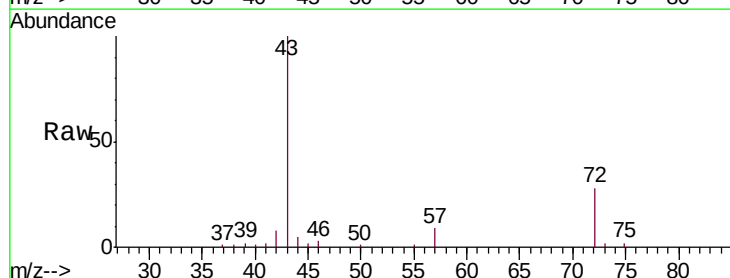


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

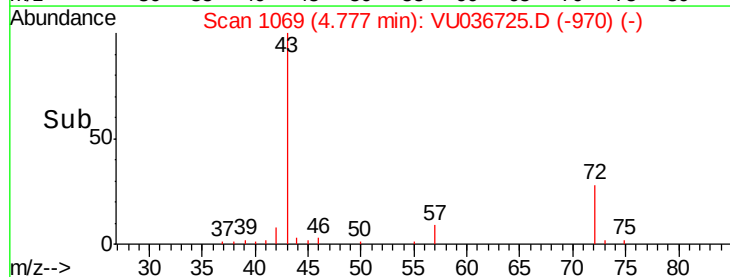
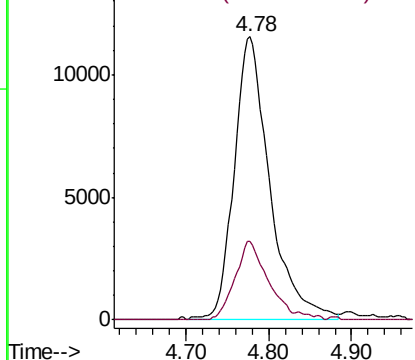


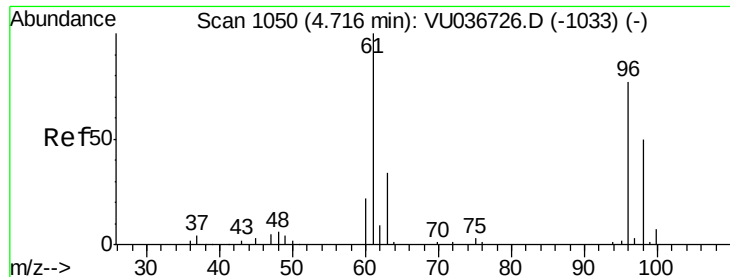
#21
 2-Butanone
 Concen: 13.579 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.02 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion: 43 Resp: 34582
 Ion Ratio Lower Upper
 43 100
 72 26.6 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.021 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

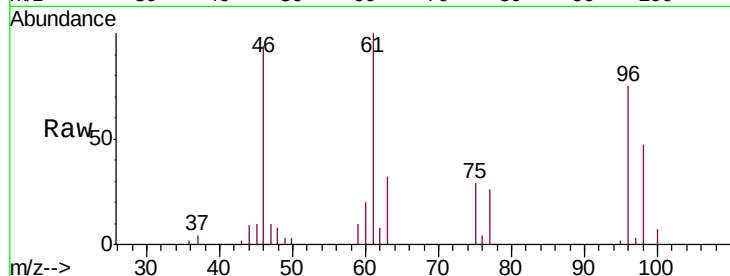
Tgt Ion: 96 Resp: 9466

Ion Ratio Lower Upper

96 100

61 134.1 91.2 169.4

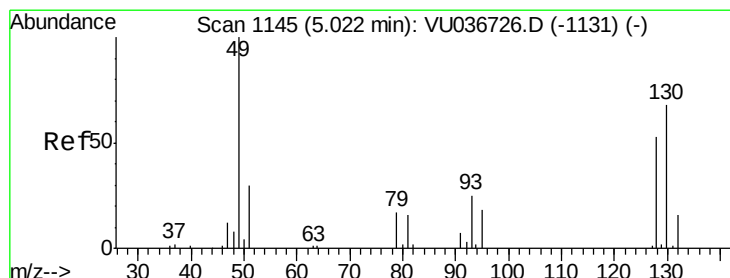
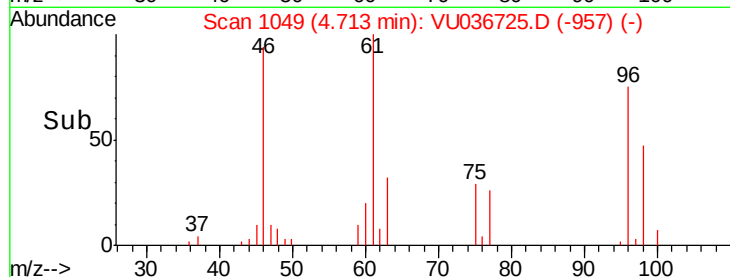
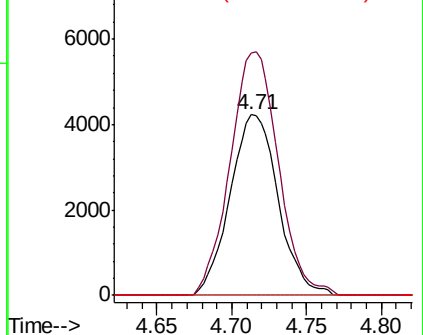
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036725.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036725.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036725.D (-957) (-)



#23

Bromochloromethane

Concen: 0.954 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Tgt Ion: 128 Resp: 3635

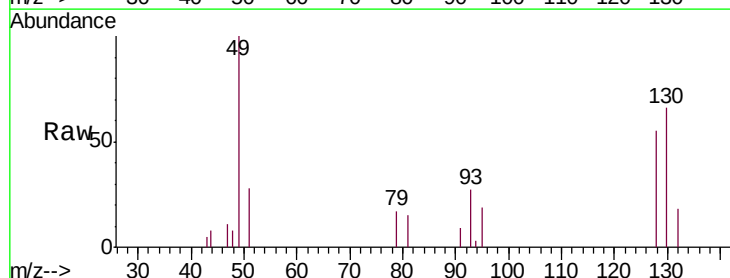
Ion Ratio Lower Upper

128 100

49 181.9 132.4 245.8

130 119.1 89.0 165.2

51 51.3 45.6 68.4

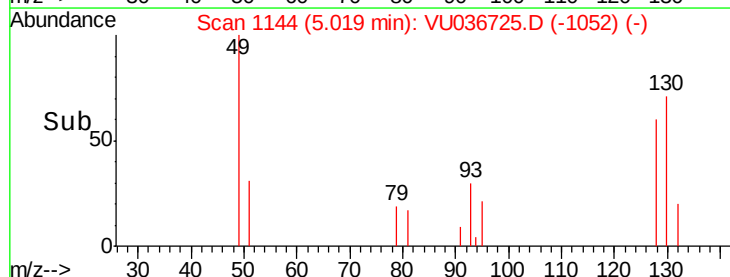
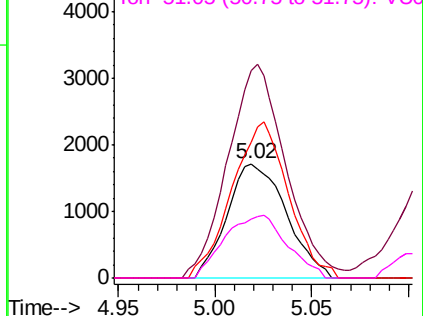


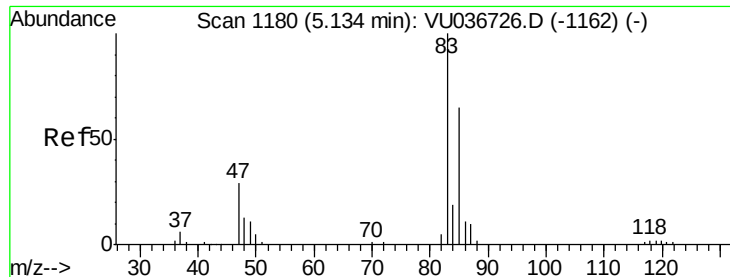
Abundance Ion 127.90 (127.60 to 128.60): VU036725.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036725.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036725.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036725.D (-1052) (-)

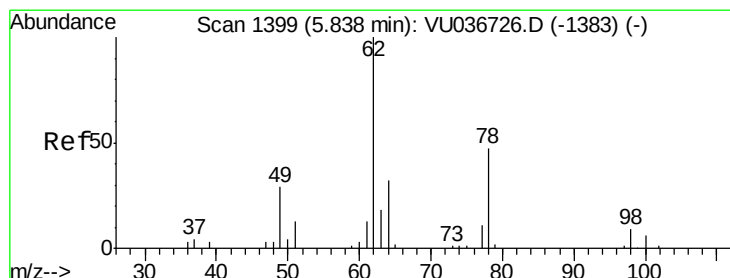
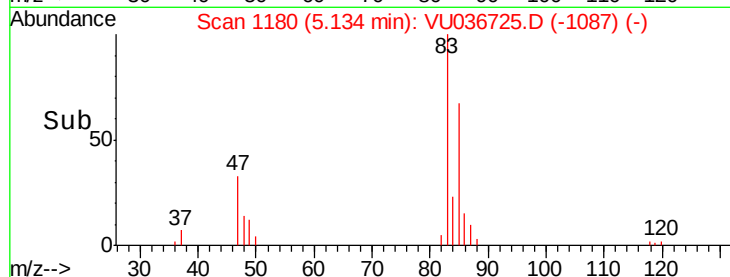
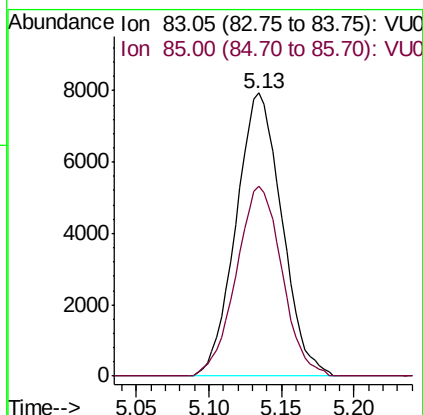
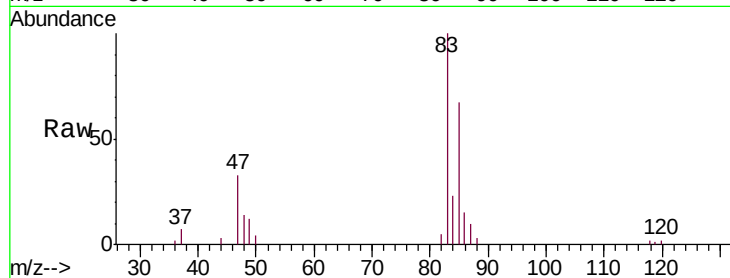




#25
Chloroform
Concen: 1.100 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

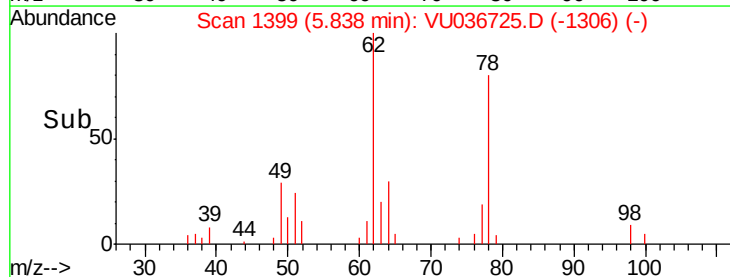
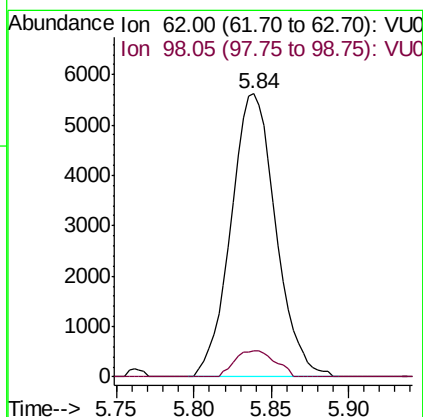
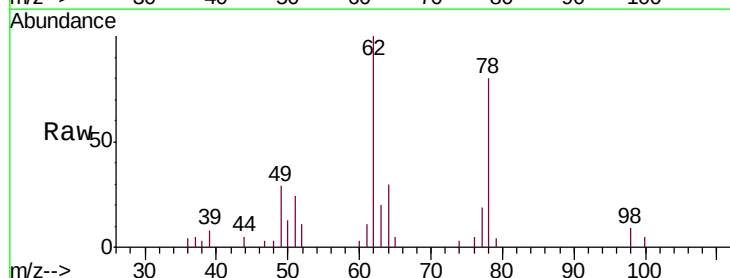
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

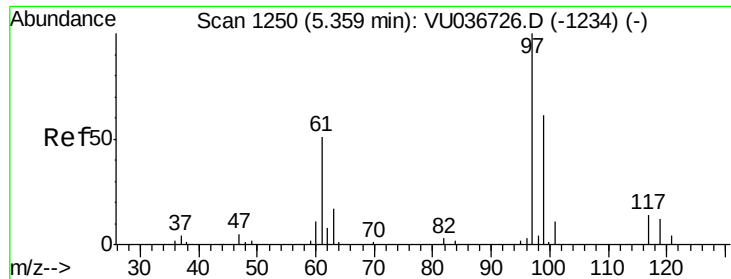
Tgt Ion: 83 Resp: 17443
Ion Ratio Lower Upper
83 100
85 67.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 1.086 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion: 62 Resp: 11312
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.4

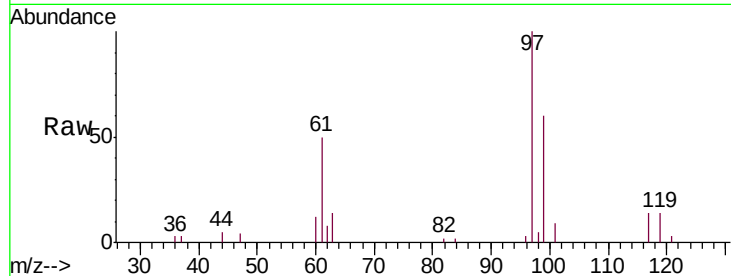




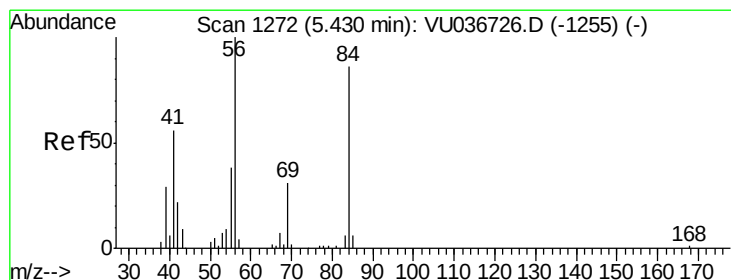
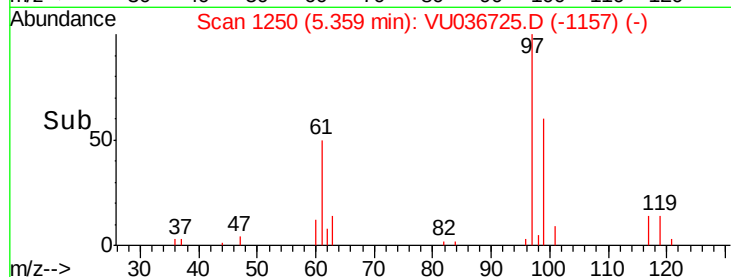
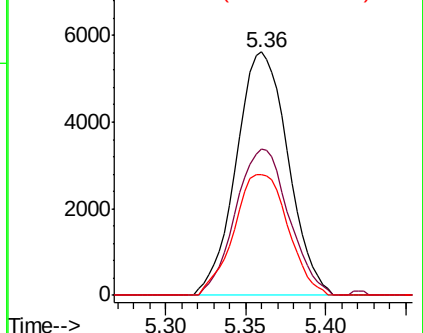
#29
 1,1,1-Trichloroethane
 Concen: 0.904 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion: 97 Resp: 12483
 Ion Ratio Lower Upper
 97 100
 99 61.6 51.0 76.4
 61 51.5 41.6 62.4

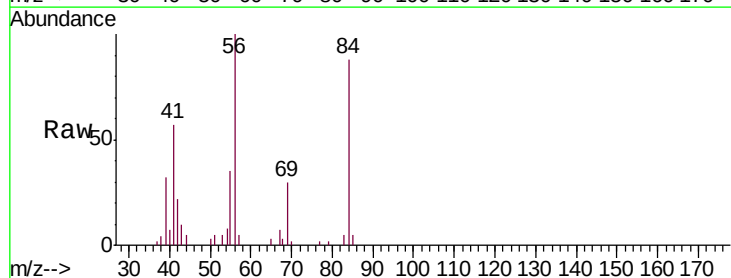


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

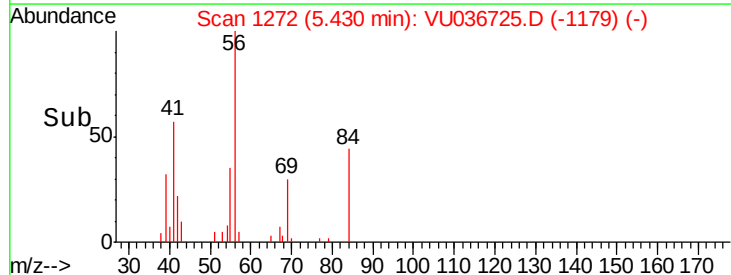
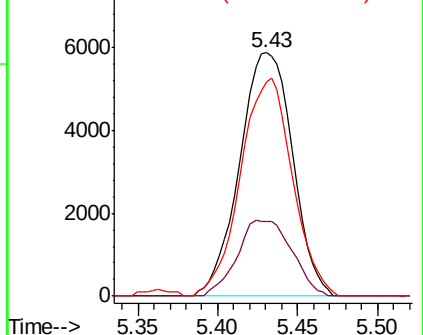


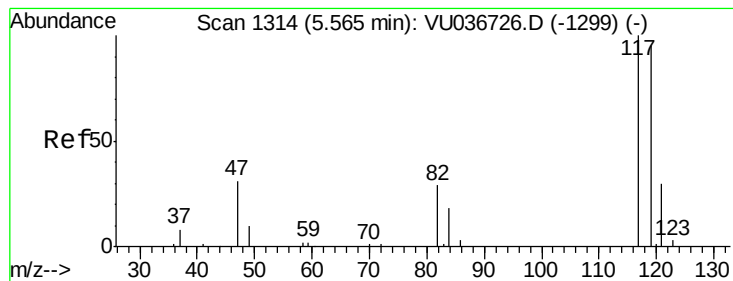
#30
 Cyclohexane
 Concen: 0.962 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion: 56 Resp: 13376
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.6 37.0
 84 87.5 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.850 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

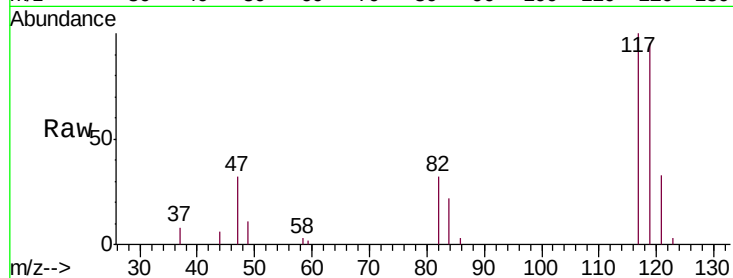
VSTD00105

Tgt Ion:117 Resp: 9907

Ion Ratio Lower Upper

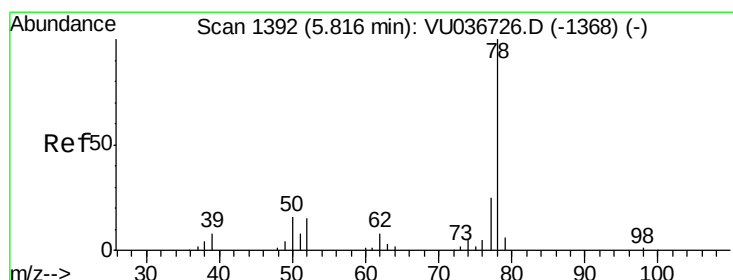
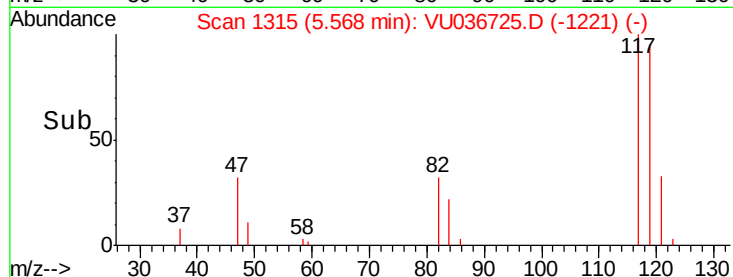
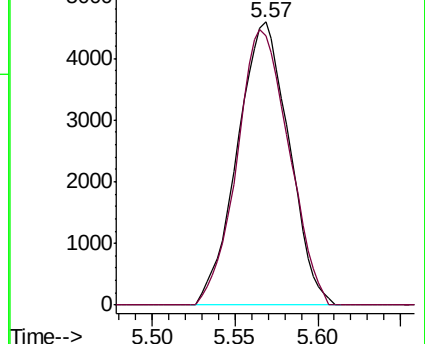
117 100

119 97.8 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.047 ug/L

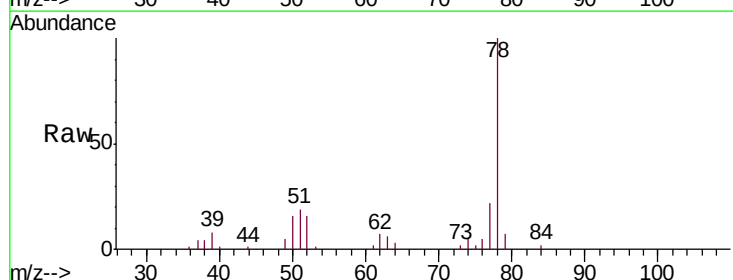
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

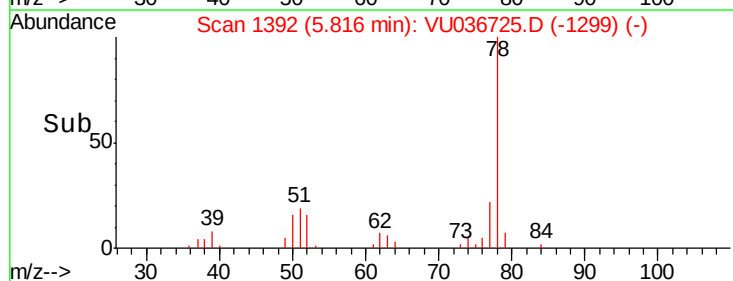
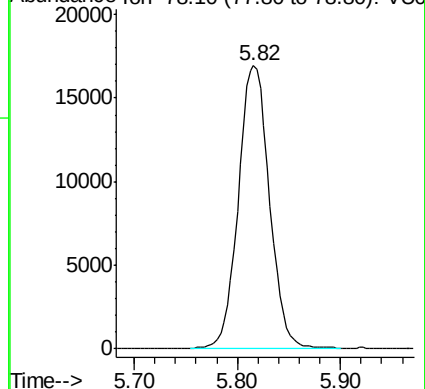
Lab File: VU036725.D

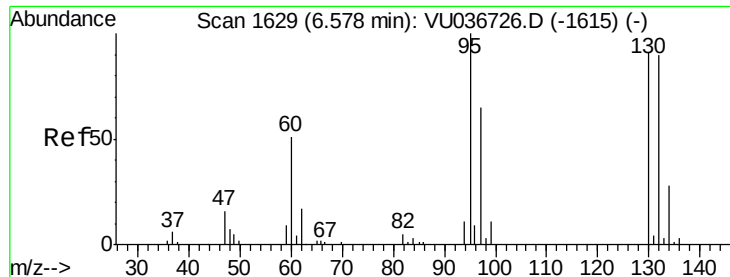
Acq: 11 Feb 2020 16:17

Tgt Ion: 78 Resp: 35683



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.970 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

Tgt Ion: 95 Resp: 8771

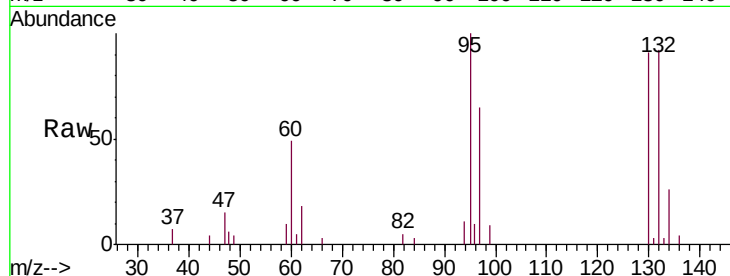
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.8

132 91.9 62.8 116.6

130 90.9 63.8 118.4

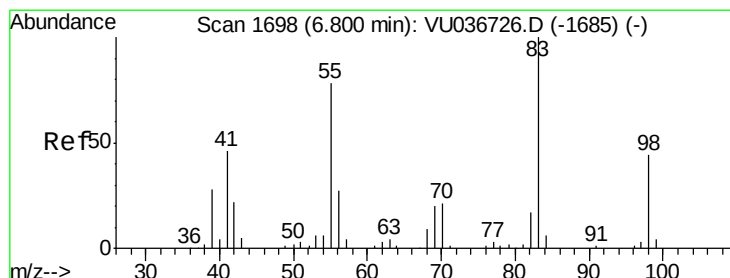
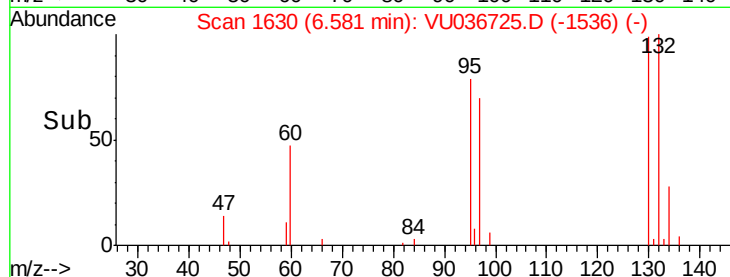
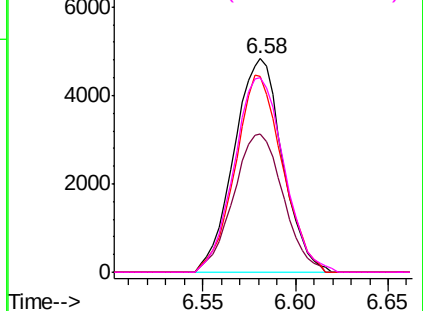


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.974 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

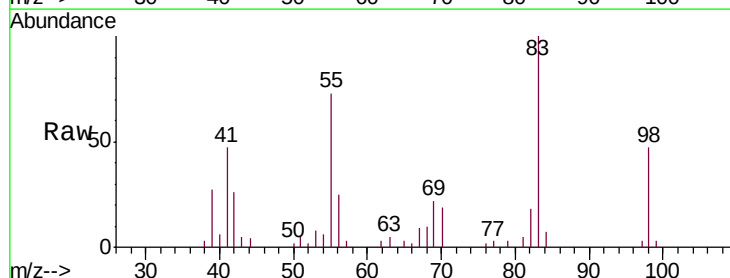
Tgt Ion: 83 Resp: 13978

Ion Ratio Lower Upper

83 100

55 79.1 61.0 91.4

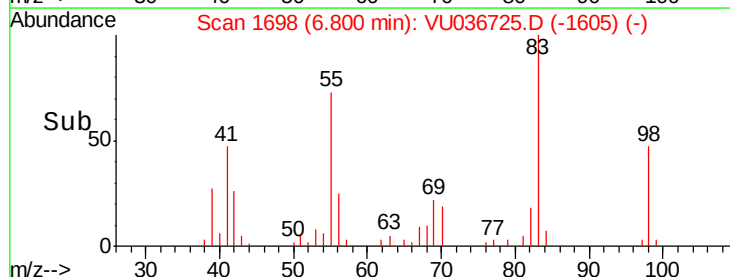
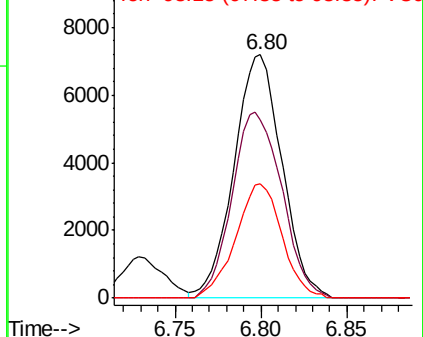
98 45.1 34.2 51.4

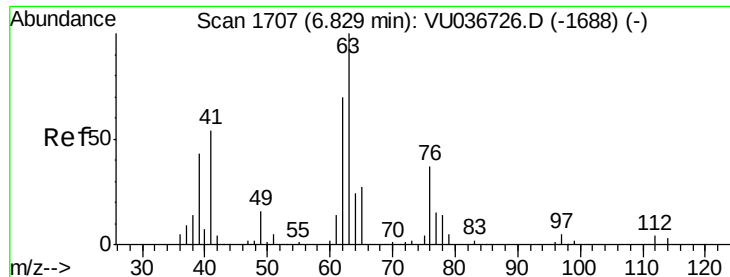


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

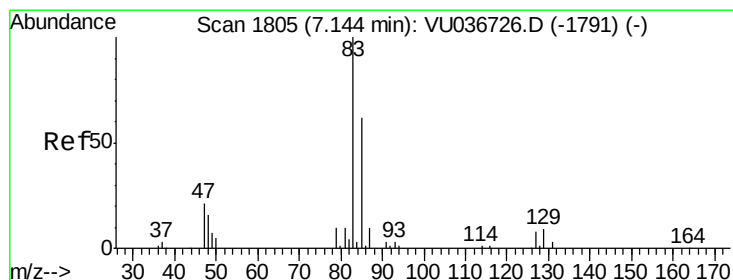
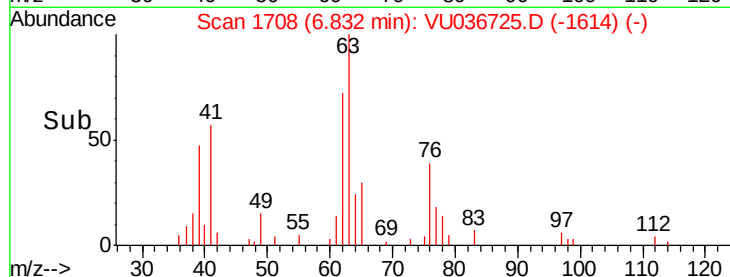
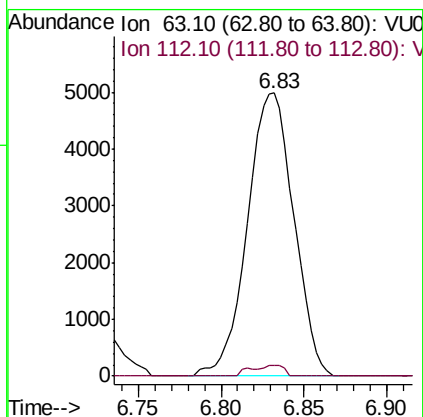
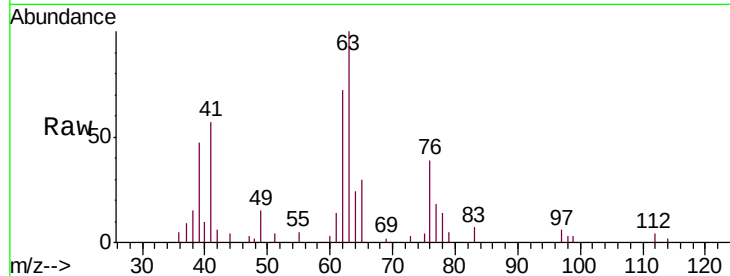




#37
 1,2-Dichloropropane
 Concen: 1.092 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

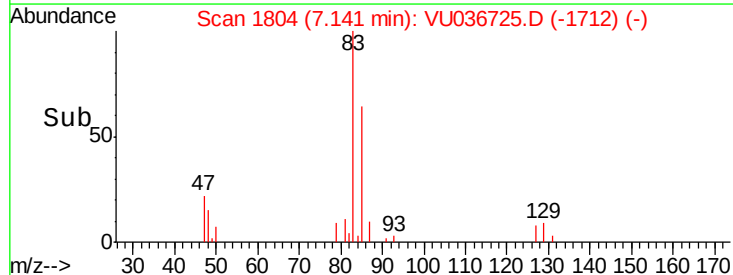
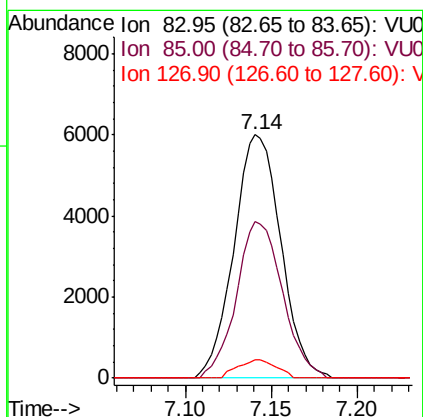
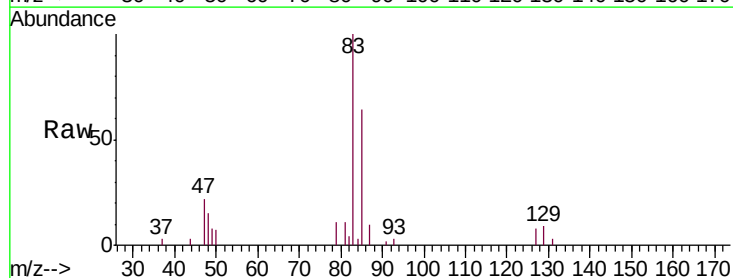
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

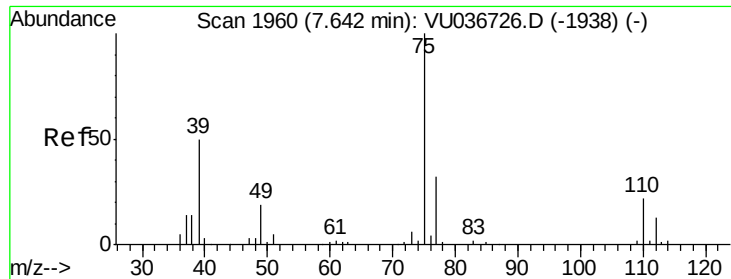
Tgt Ion: 63 Resp: 9668
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 0.953 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion: 83 Resp: 11363
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.0 80.0
 127 7.6 6.3 9.5

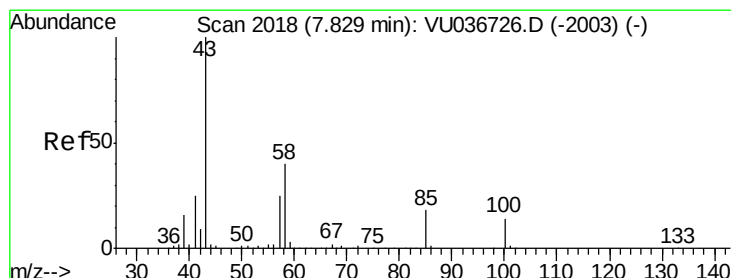
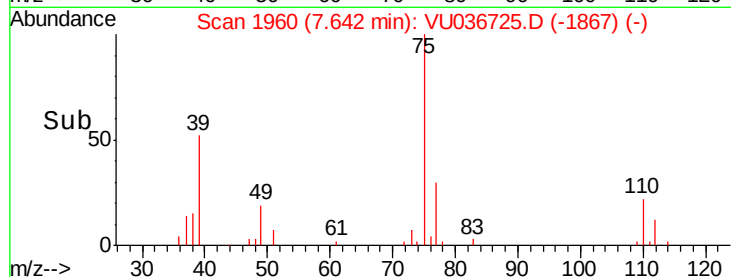
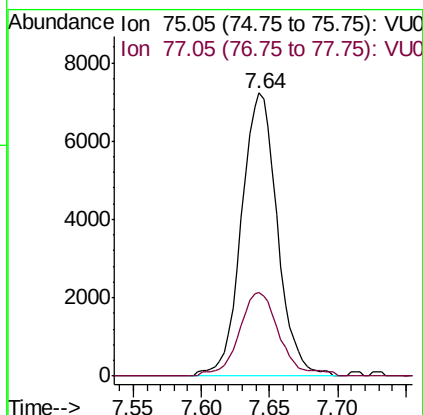
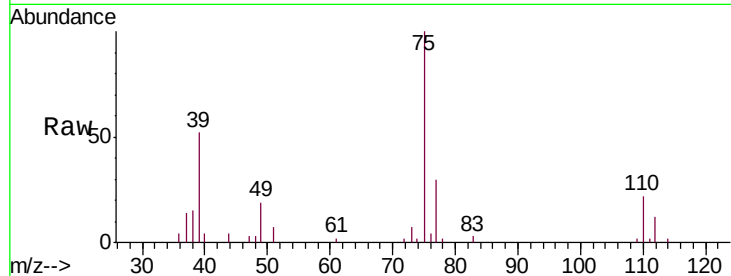




#39
 cis-1,3-Dichloropropene
 Concen: 0.929 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

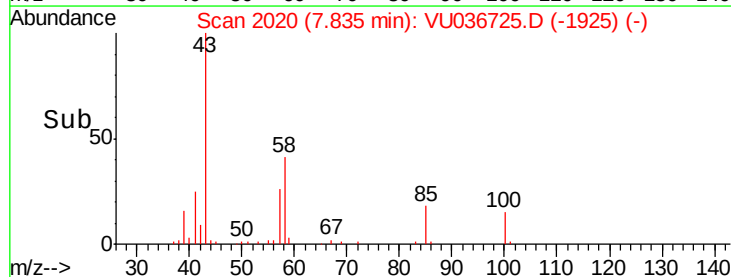
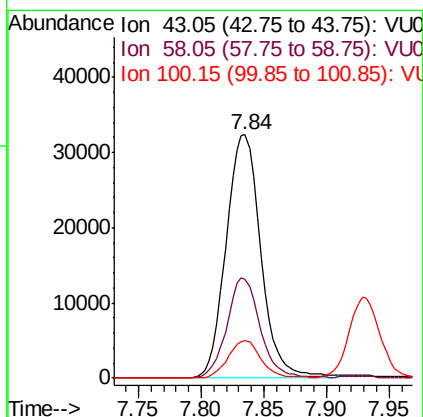
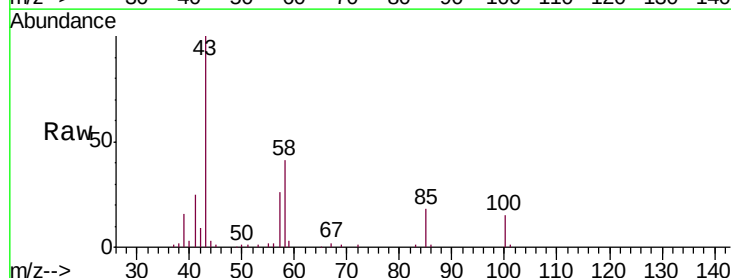
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

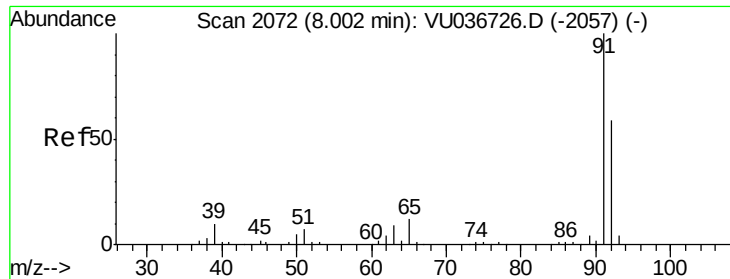
Tgt Ion: 75 Resp: 13228
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 10.103 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion: 43 Resp: 62453
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.0 48.0
 100 14.8 11.8 17.8





#42

Toluene

Concen: 0.997 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

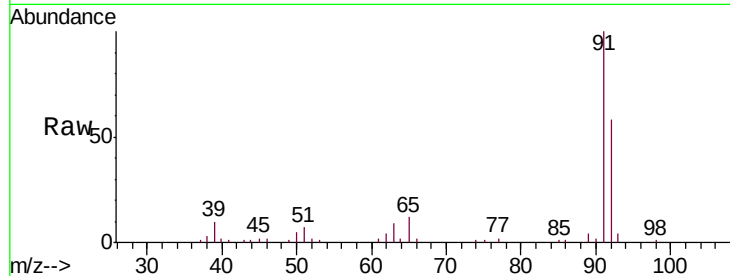
VSTD00105

Tgt Ion: 91 Resp: 37405

Ion Ratio Lower Upper

91 100

92 57.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036725.D (-1979) (-)

8.00

25000

20000

15000

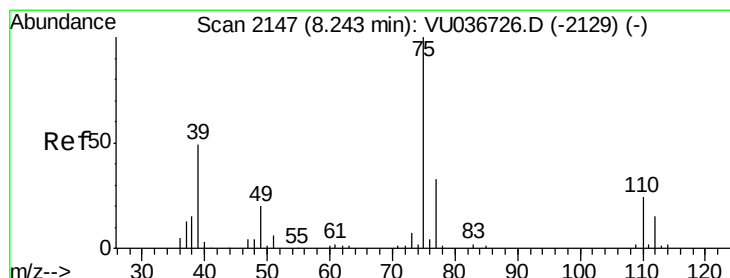
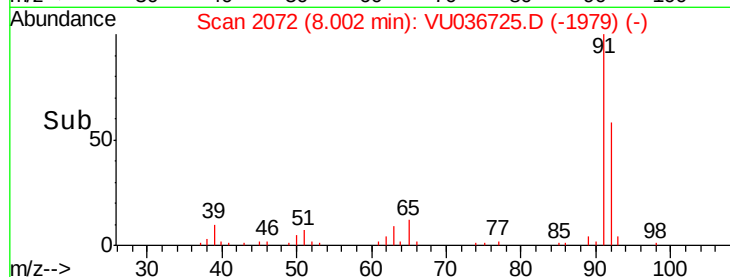
10000

5000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.886 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036725.D

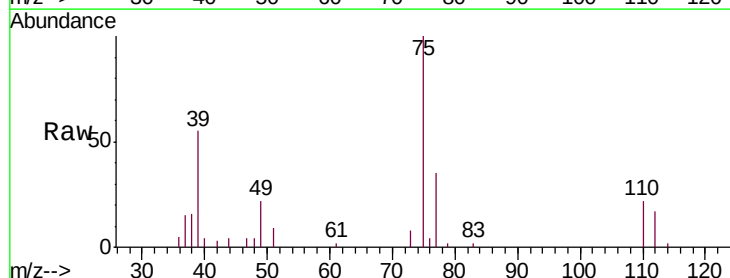
Acq: 11 Feb 2020 16:17

Tgt Ion: 75 Resp: 10314

Ion Ratio Lower Upper

75 100

77 35.5 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036726.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036725.D (-2054) (-)

8.24

6000

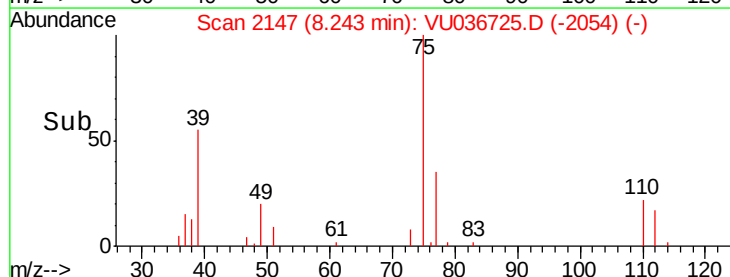
4000

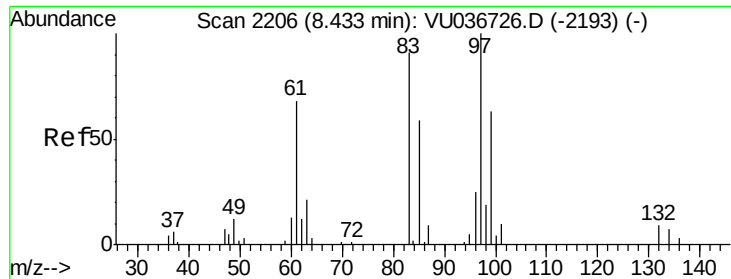
2000

0

8.20 8.25 8.30

Time-->

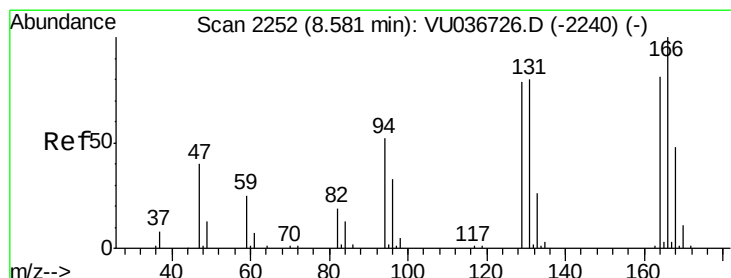
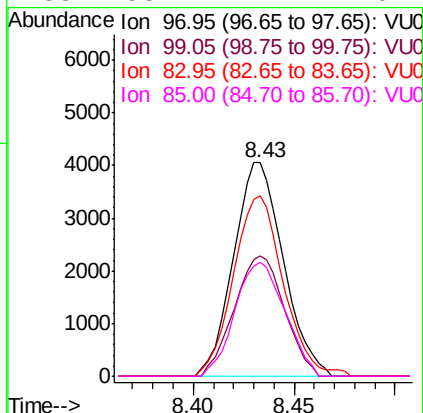
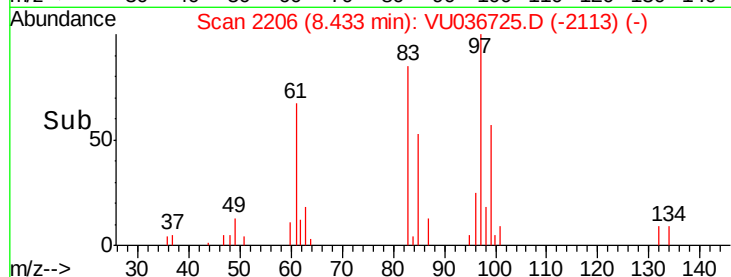
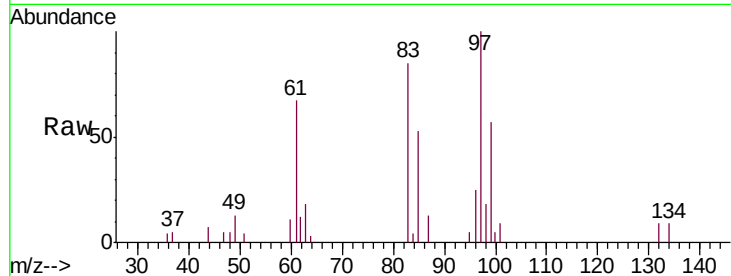




#45
 1,1,2-Trichloroethane
 Concen: 1.092 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

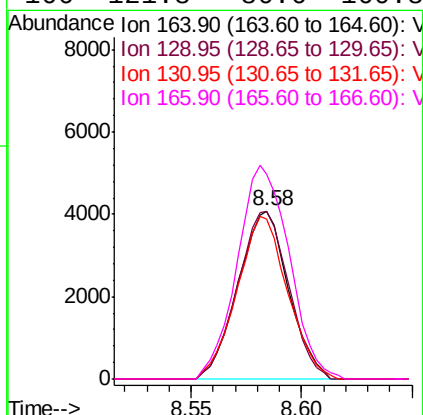
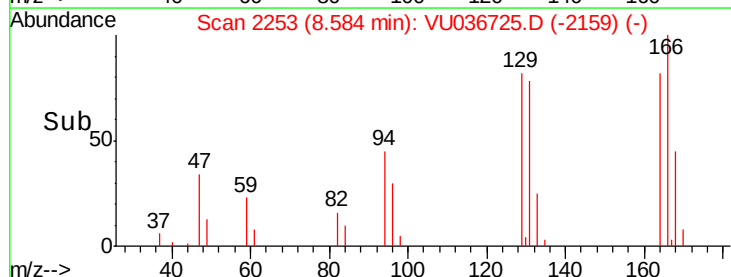
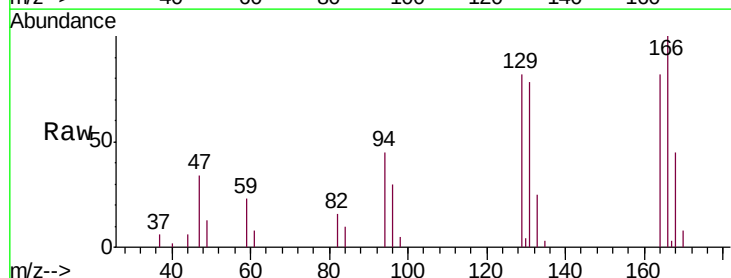
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

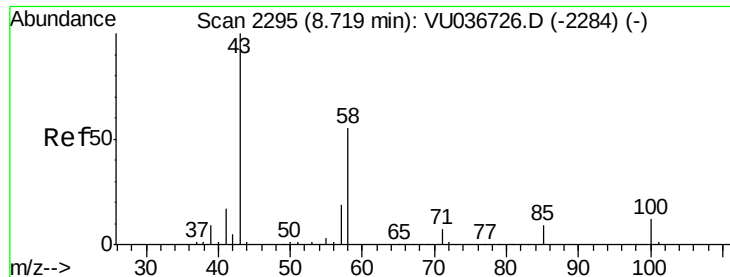
Tgt Ion:	97	Resp:	6993
Ion	Ratio	Lower	Upper
97	100		
99	56.6	44.1	81.9
83	84.6	63.5	117.9
85	53.1	41.2	76.4



#47
 Tetrachloroethene
 Concen: 1.026 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion:	164	Resp:	6477
Ion	Ratio	Lower	Upper
164	100		
129	99.5	68.0	126.4
131	95.5	69.4	128.8
166	121.8	86.6	160.8

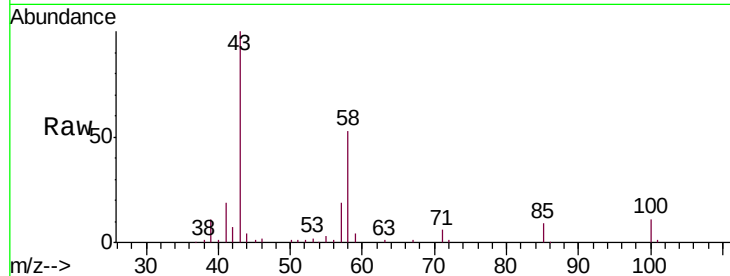




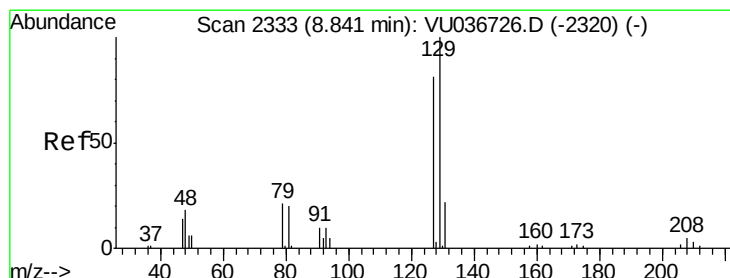
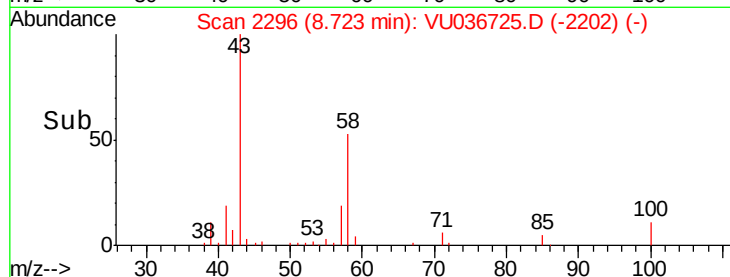
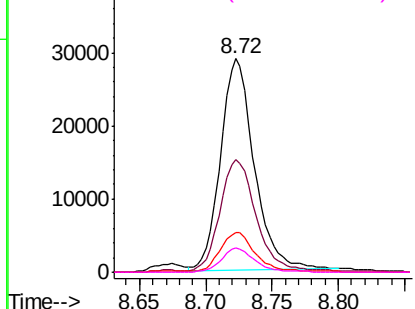
#48
2-Hexanone
Concen: 11.252 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tgt Ion: 43 Resp: 51352
Ion Ratio Lower Upper
43 100
58 55.0 43.6 65.4
57 19.1 15.0 22.4
100 11.2 9.0 13.6

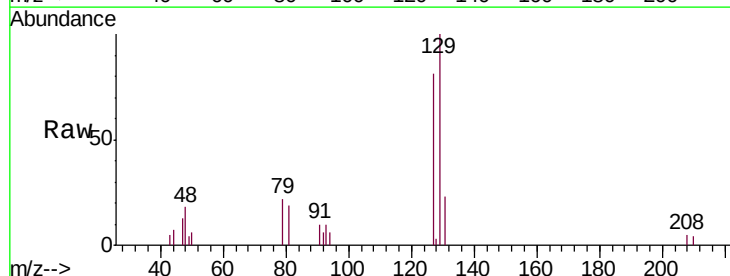


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

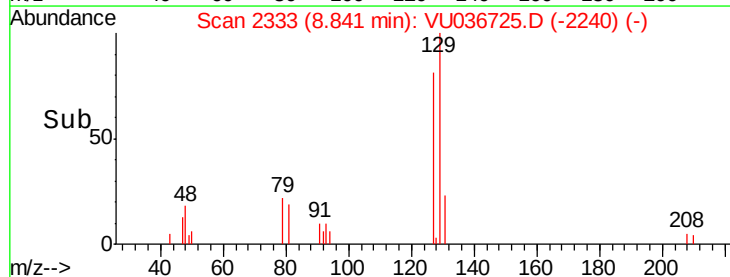
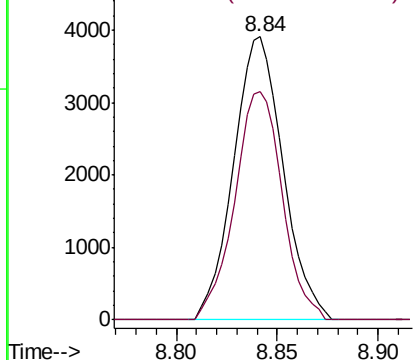


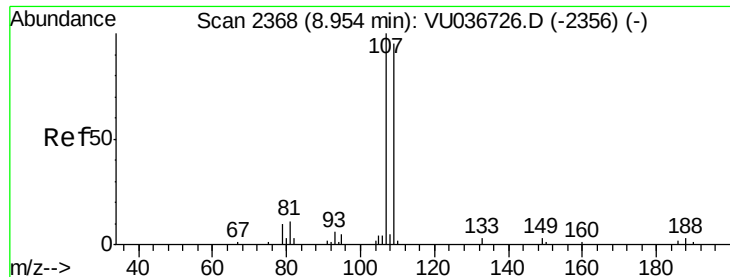
#49
Dibromochloromethane
Concen: 0.822 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion: 129 Resp: 6707
Ion Ratio Lower Upper
129 100
127 80.6 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

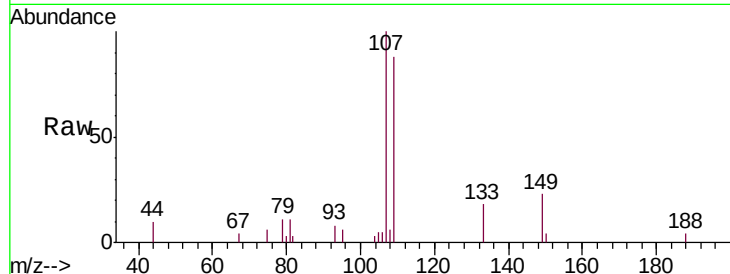




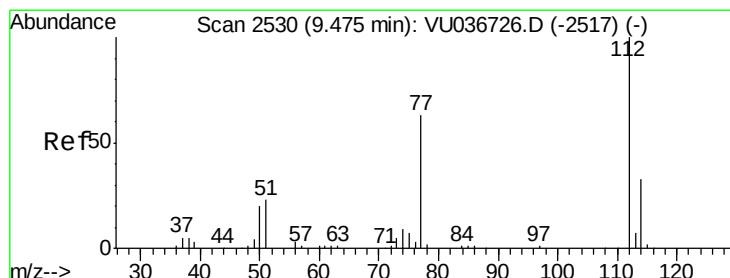
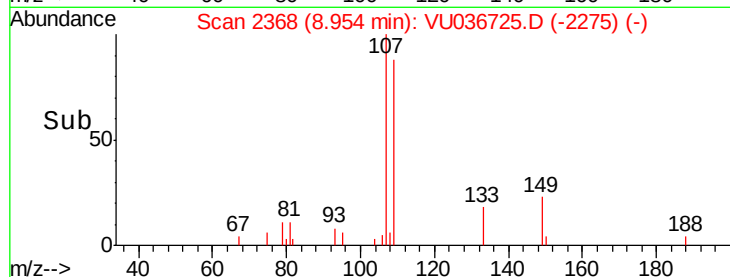
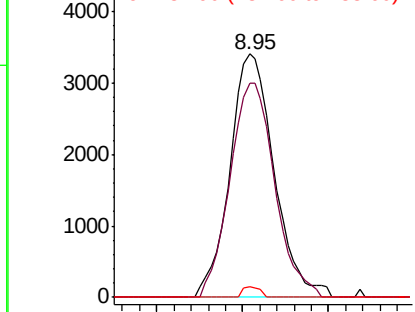
#50
1,2-Dibromoethane
Concen: 0.964 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tgt Ion:107 Resp: 6115
Ion Ratio Lower Upper
107 100
109 87.7 66.4 123.2
188 4.4 2.4 3.6#

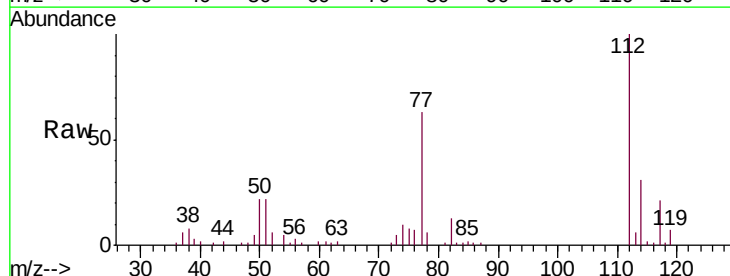


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

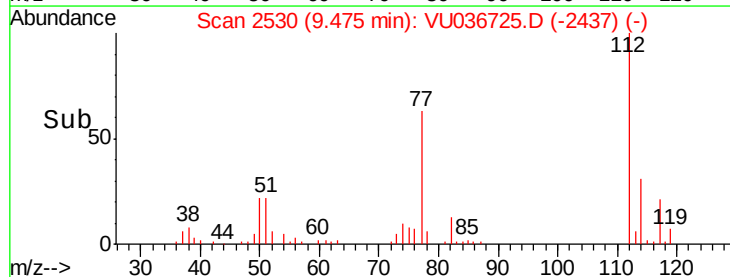
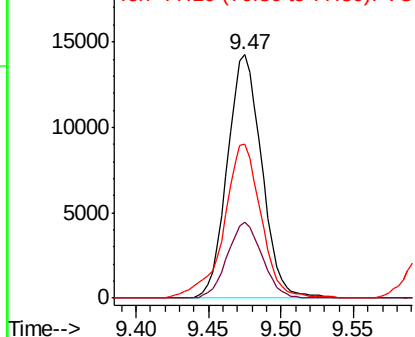


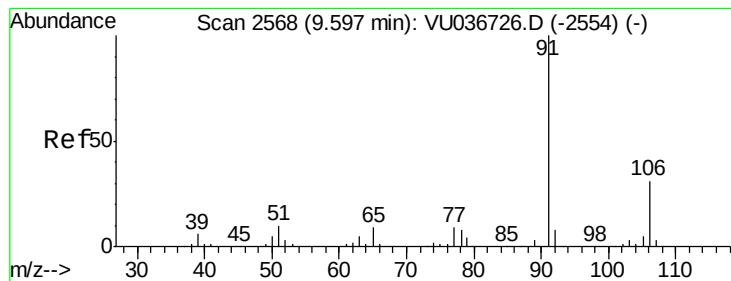
#51
Chlorobenzene
Concen: 1.011 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion:112 Resp: 23501
Ion Ratio Lower Upper
112 100
114 31.0 22.9 42.5
77 63.1 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 1.006 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

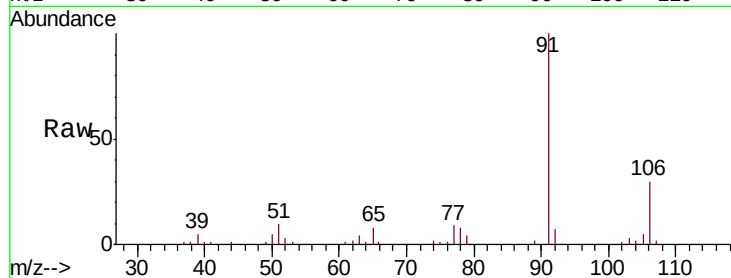
VSTD00105

Tgt Ion: 91 Resp: 41701

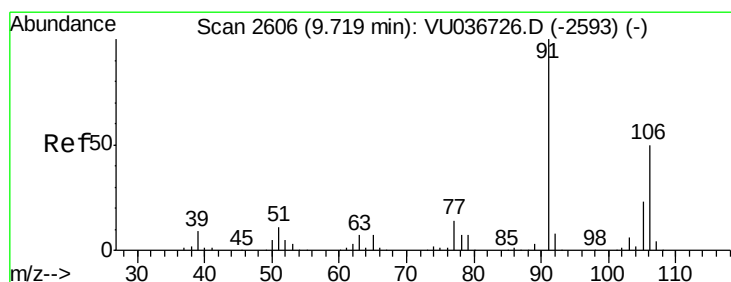
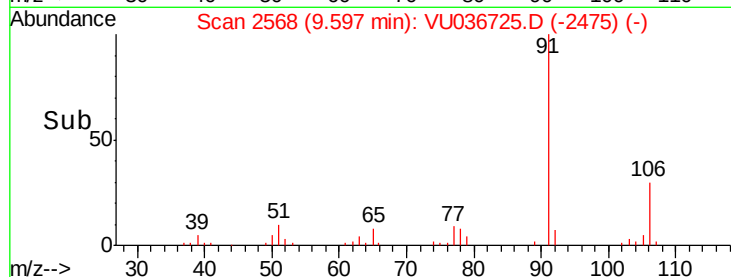
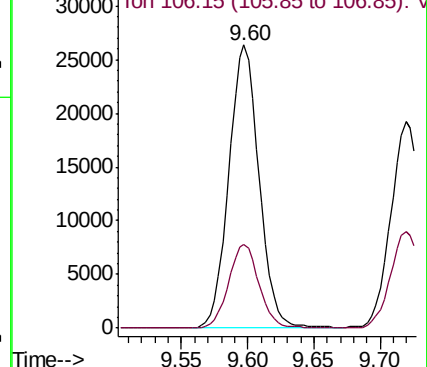
Ion Ratio Lower Upper

91 100

106 29.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036725.D (-2554) (-)



#53

m,p-Xylene

Concen: 0.936 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036725.D

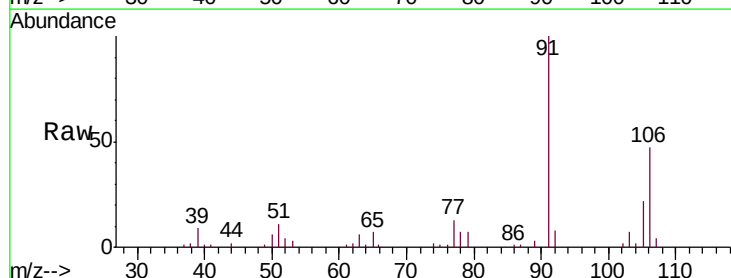
Acq: 11 Feb 2020 16:17

Tgt Ion: 106 Resp: 14883

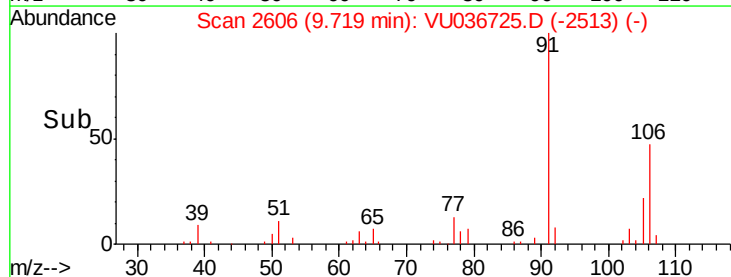
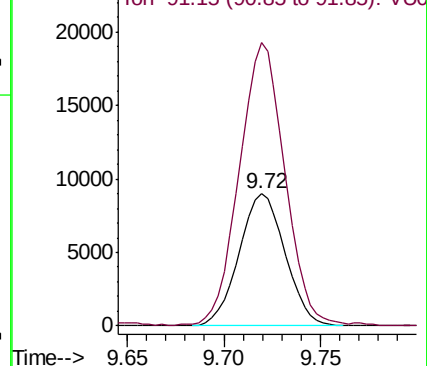
Ion Ratio Lower Upper

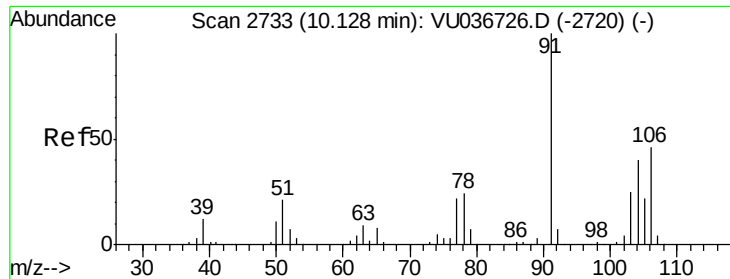
106 100

91 214.2 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036725.D (-2593) (-)

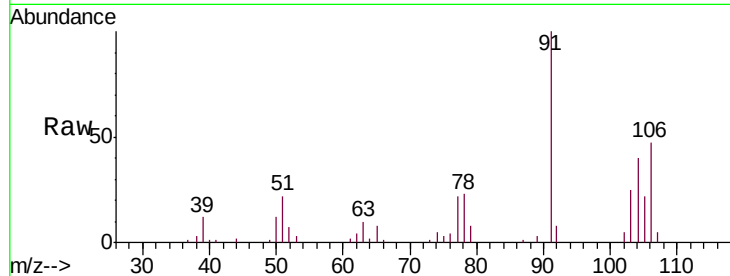




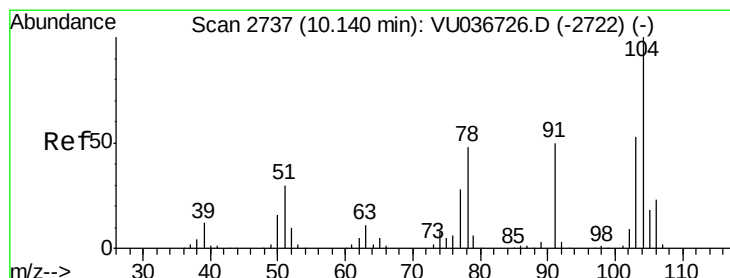
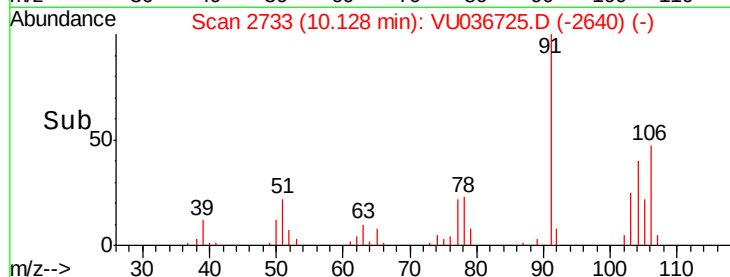
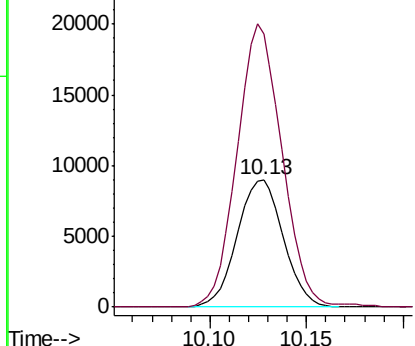
#54
o-Xylene
Concen: 0.964 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tgt Ion:106 Resp: 14922
Ion Ratio Lower Upper
106 100
91 214.2 151.1 280.5

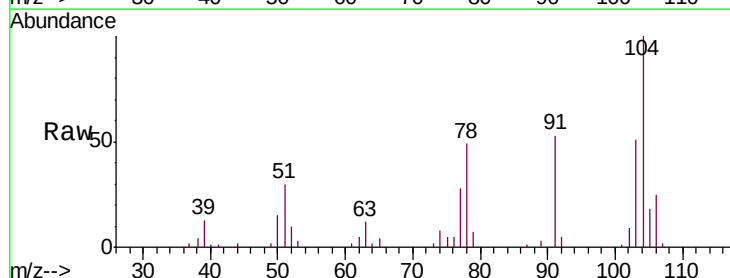


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

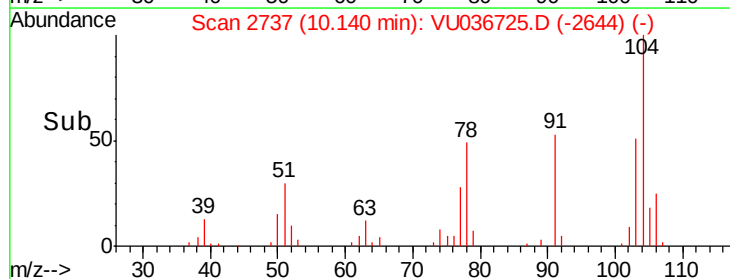
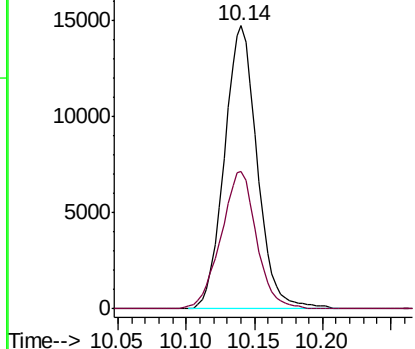


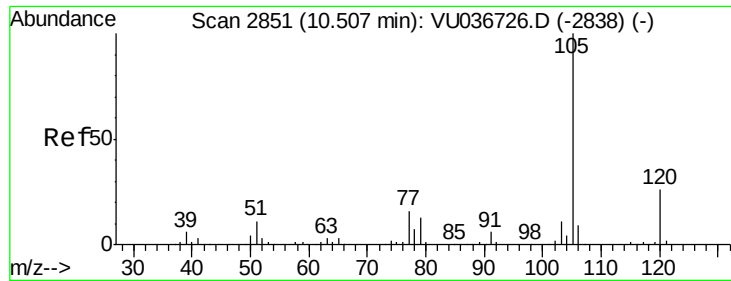
#55
Styrene
Concen: 0.939 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036725.D
Acq: 11 Feb 2020 16:17

Tgt Ion:104 Resp: 24625
Ion Ratio Lower Upper
104 100
78 48.6 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.967 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

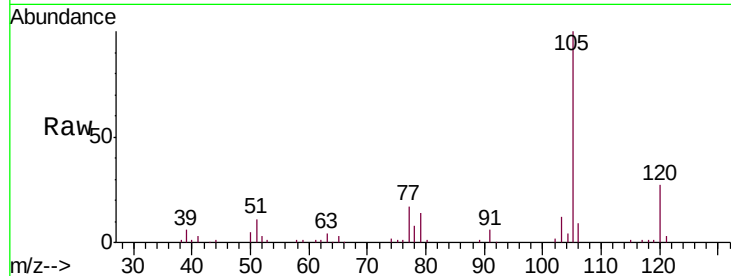
Tgt Ion: 105 Resp: 39692

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

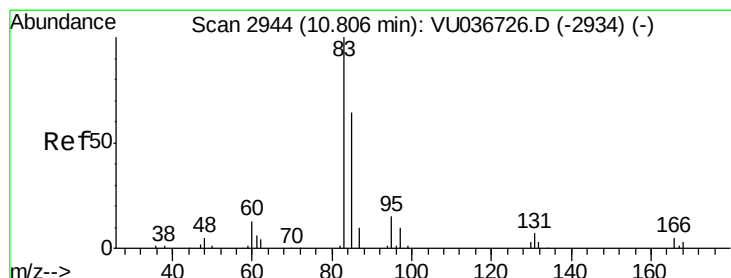
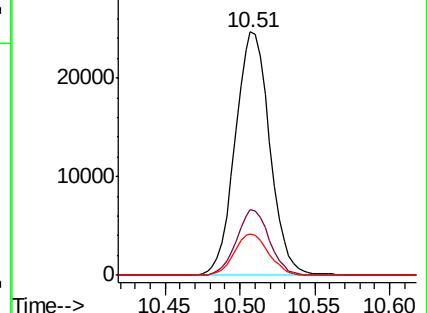
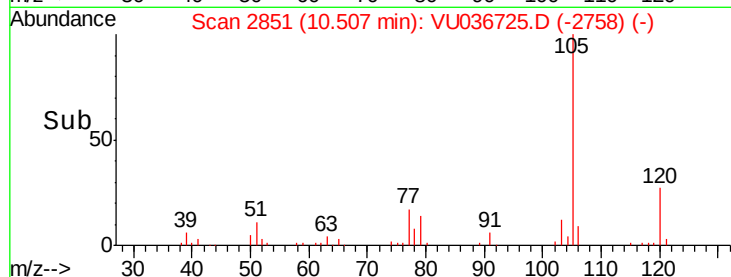
77 16.7 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.013 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

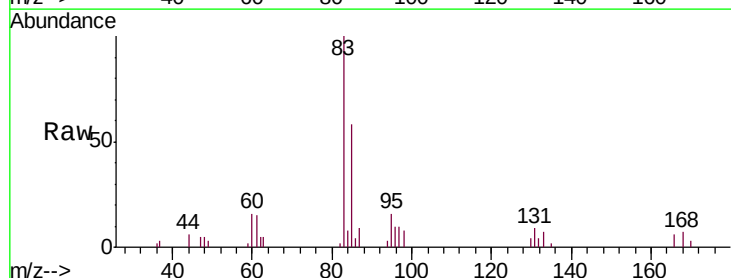
Tgt Ion: 83 Resp: 8733

Ion Ratio Lower Upper

83 100

85 58.4 45.6 84.6

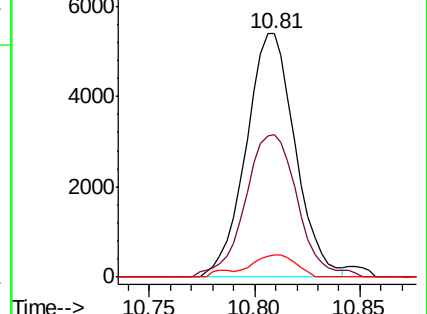
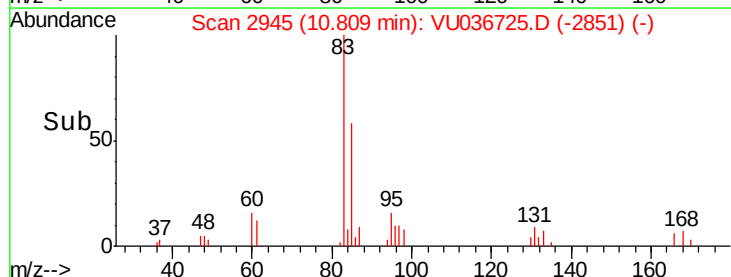
131 9.0 6.8 10.2

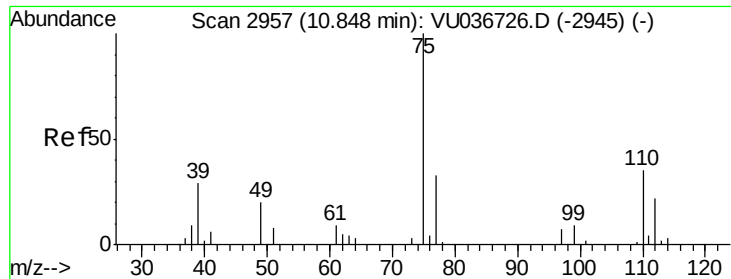


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.070 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

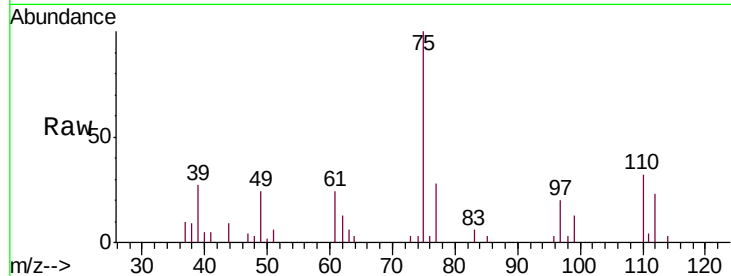
VSTD00105

Tgt Ion: 75 Resp: 6528

Ion Ratio Lower Upper

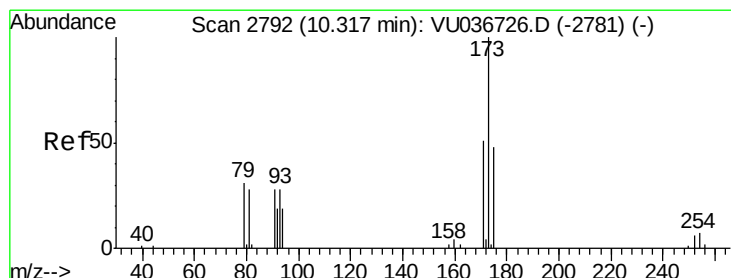
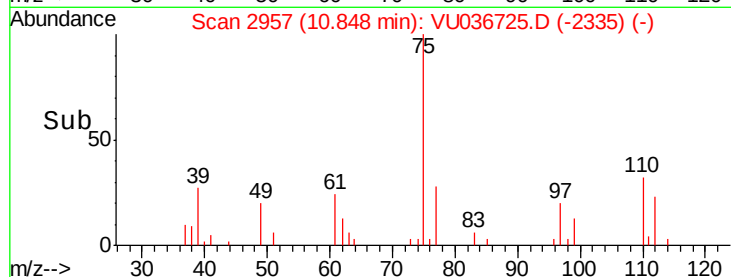
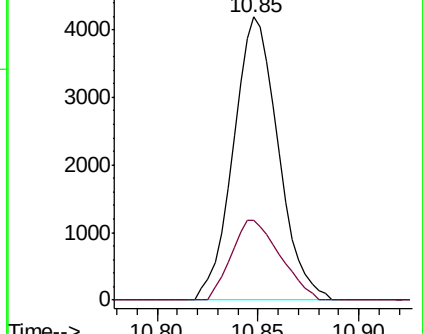
75 100

77 30.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036726.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036726.D (-2945) (-)



#61

Bromoform

Concen: 0.773 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

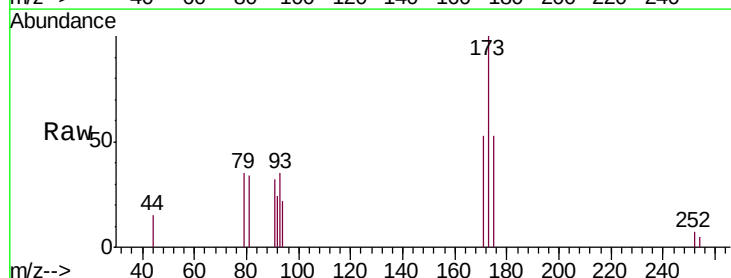
Tgt Ion: 173 Resp: 3362

Ion Ratio Lower Upper

173 100

175 46.4 39.9 59.9

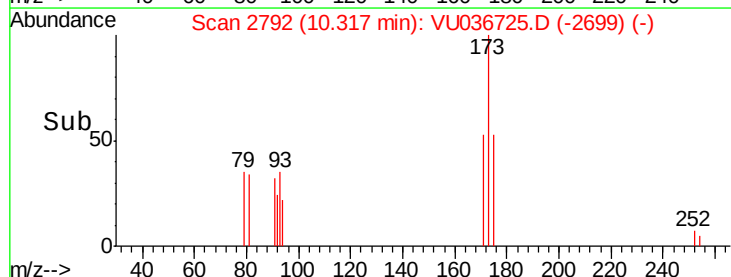
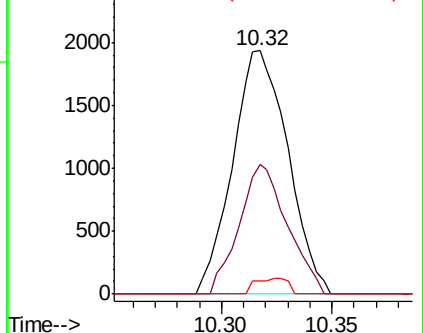
254 3.9 4.6 6.8#

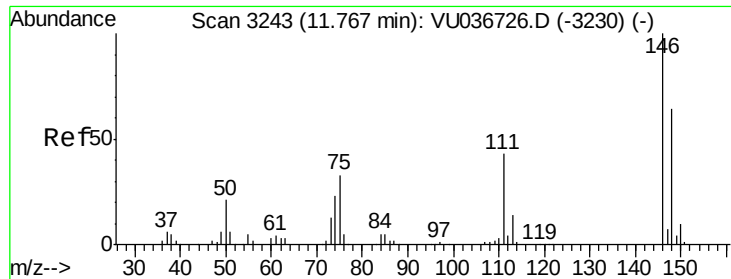


Abundance Ion 172.90 (172.60 to 173.60): VU036726.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU036726.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU036726.D (-2781) (-)





#62

1,3-Dichlorobenzene

Concen: 1.038 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

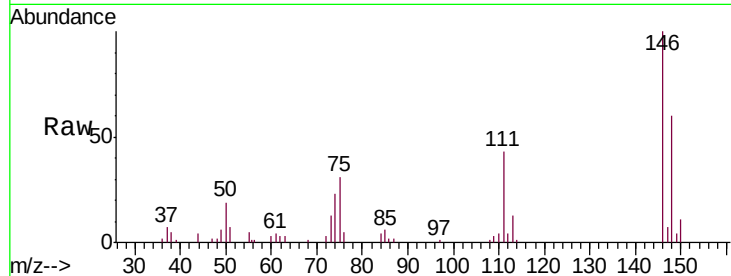
Tgt Ion:146 Resp: 17676

Ion Ratio Lower Upper

146 100

111 42.9 30.0 55.8

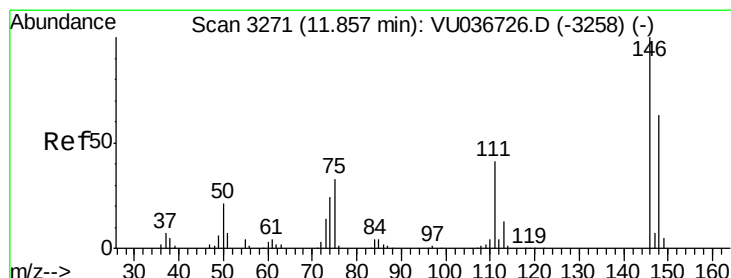
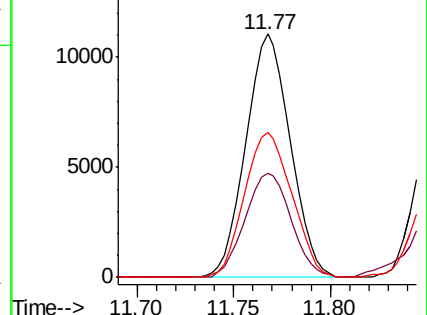
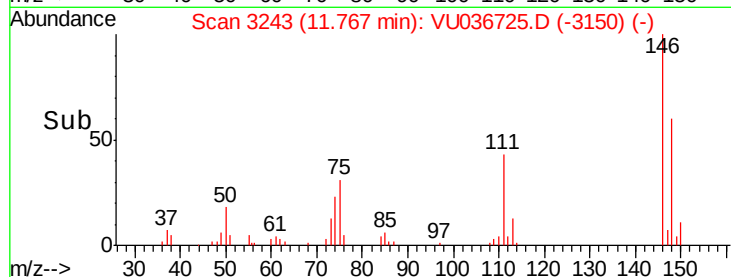
148 59.5 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.015 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

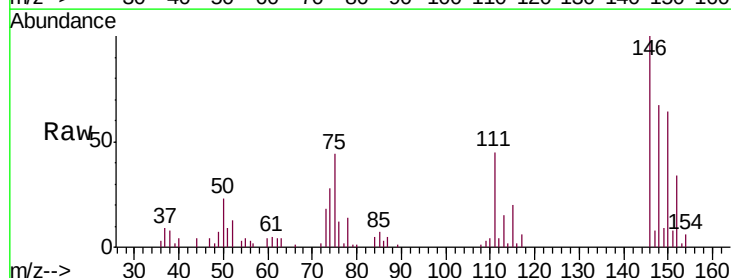
Tgt Ion:146 Resp: 17125

Ion Ratio Lower Upper

146 100

111 45.4 29.2 54.2

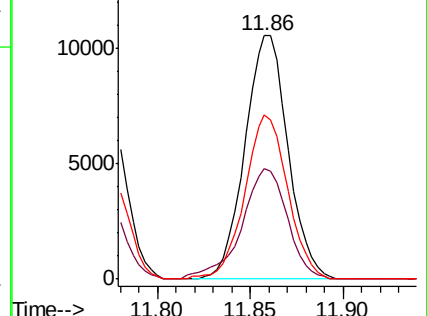
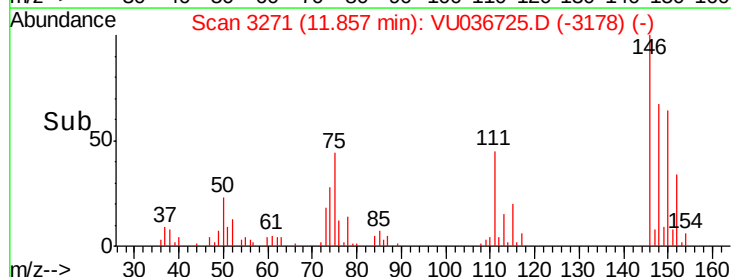
148 67.2 44.3 82.3

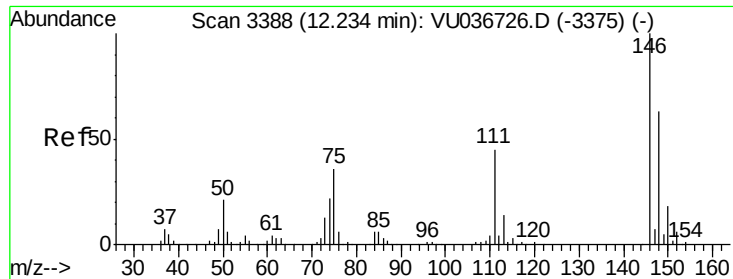


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

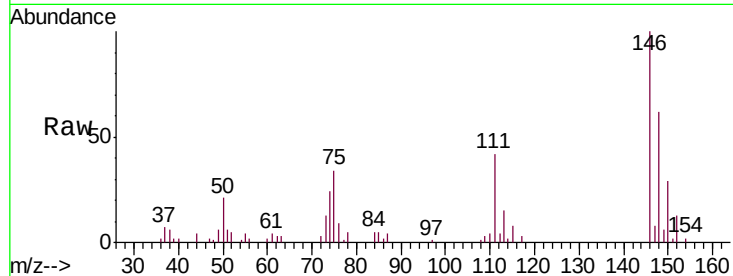




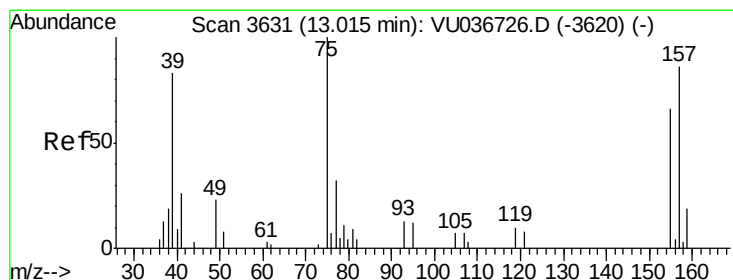
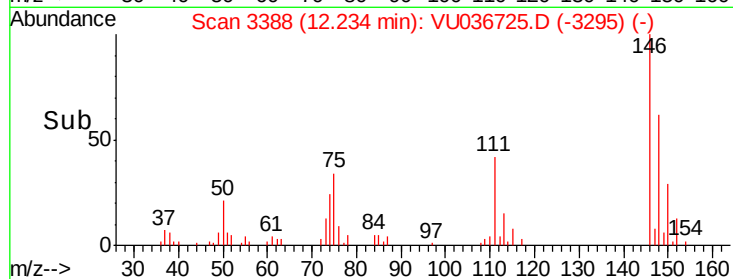
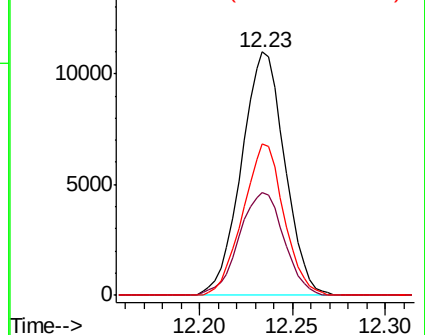
#65
 1,2-Dichlorobenzene
 Concen: 1.100 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00105

Tgt Ion: 146 Resp: 17798
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.9 53.9
 148 62.3 50.4 75.6

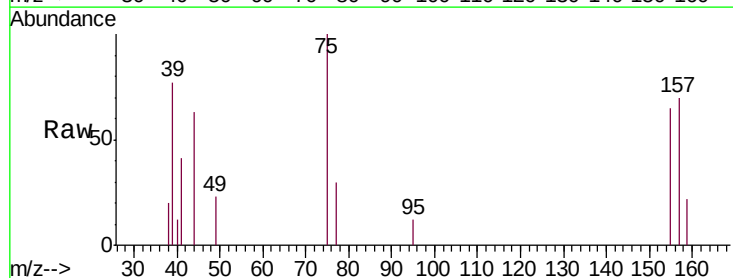


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

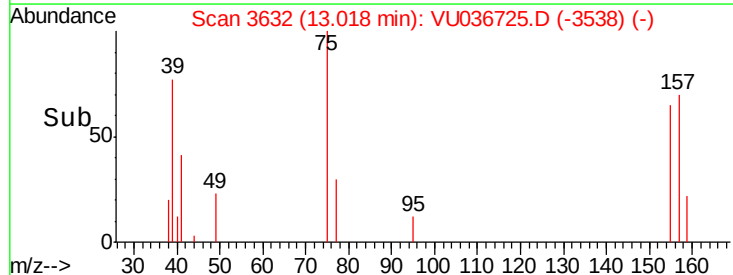
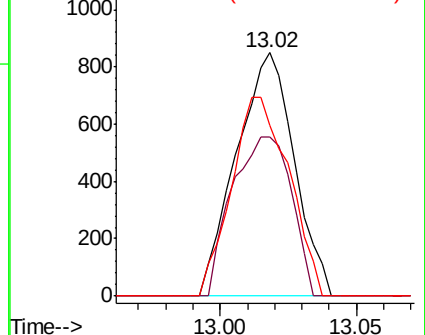


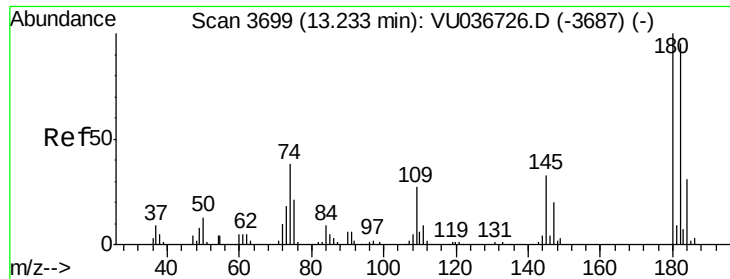
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.870 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion: 75 Resp: 1248
 Ion Ratio Lower Upper
 75 100
 155 65.4 52.9 79.3
 157 70.2 69.2 103.8



Abundance Ion 75.05 (74.75 to 75.75): VUO
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

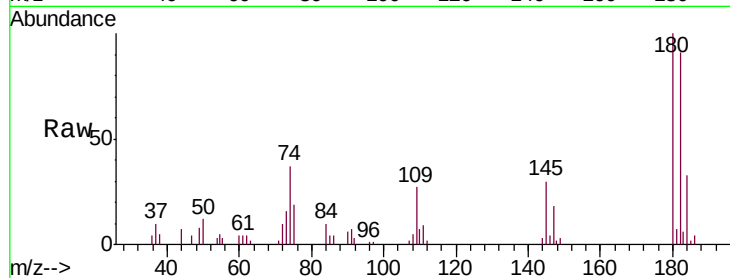




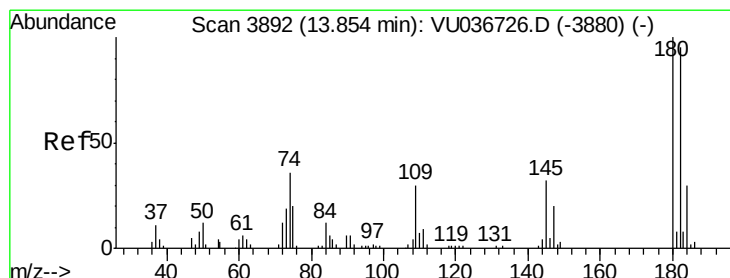
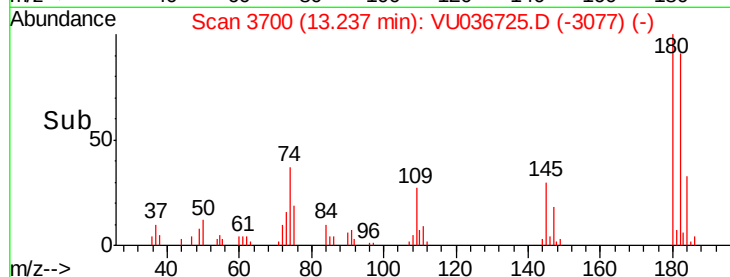
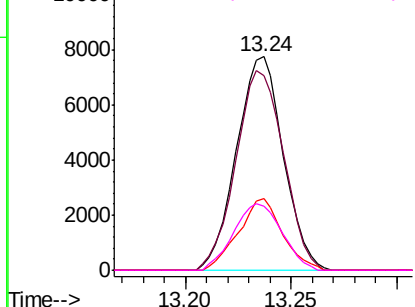
#67
 1,3,5-Trichlorobenzene
 Concen: 0.987 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tgt Ion:180 Resp: 11923
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 184 31.6 24.6 37.0
 145 32.3 25.3 37.9

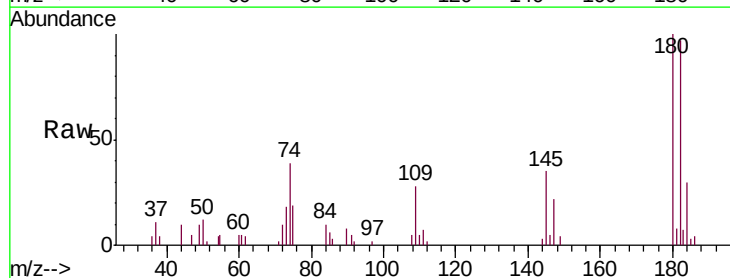


Abundance Ion 180.00 (179.70 to 180.70): V
 12000 Ion 182.00 (181.70 to 182.70): V
 10000 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

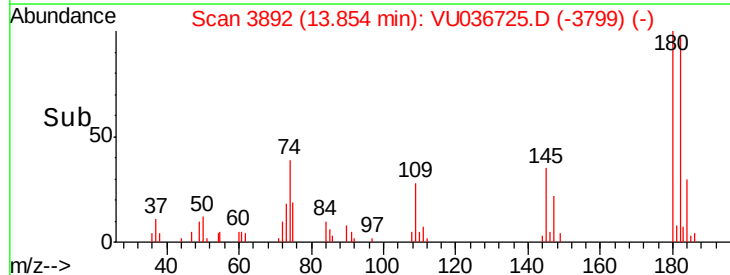
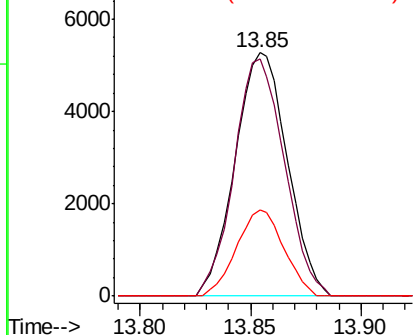


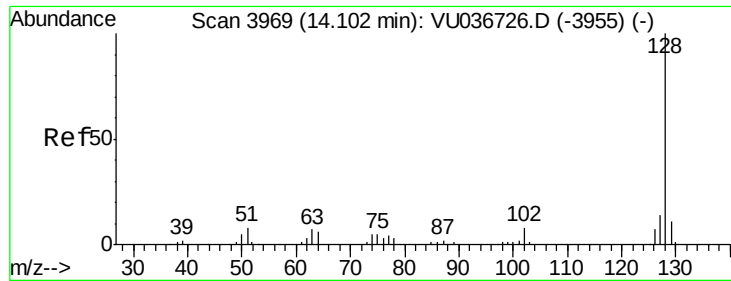
#68
 1,2,4-trichlorobenzene
 Concen: 0.973 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036725.D
 Acq: 11 Feb 2020 16:17

Tgt Ion:180 Resp: 8665
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 145 32.0 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
 6000 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.891 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

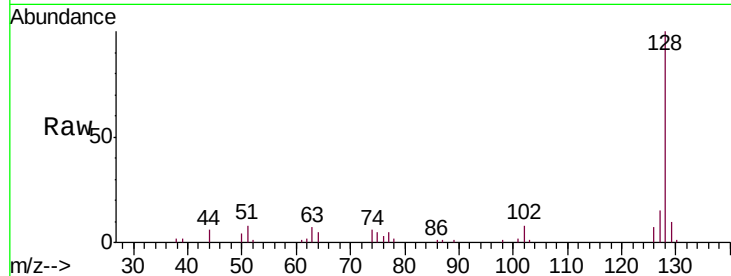
Tgt Ion:128 Resp: 14111

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

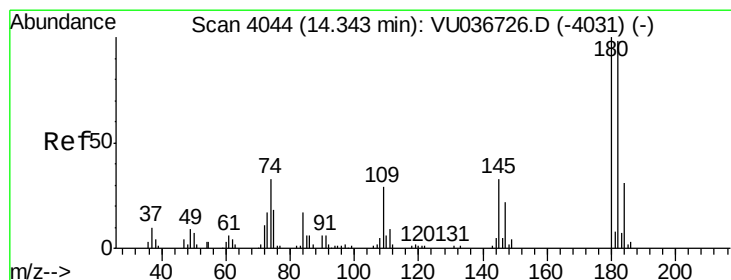
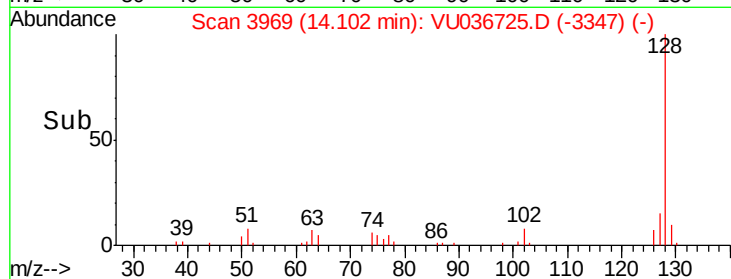
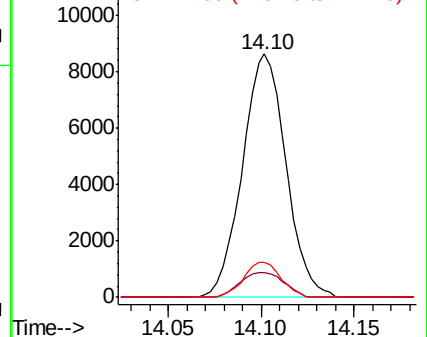
127 12.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.895 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036725.D

Acq: 11 Feb 2020 16:17

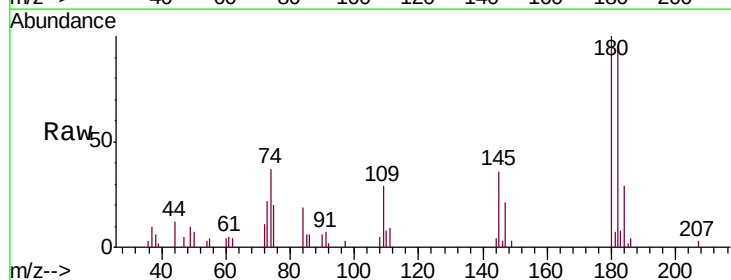
Tgt Ion:180 Resp: 7659

Ion Ratio Lower Upper

180 100

182 95.9 78.2 117.4

145 35.7 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

