

Data File : VU036727.D
Acq On : 11 Feb 2020 17:06
Operator : JC/MD
Sample : VSTD01001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Quant Time: Feb 12 07:36:01 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	120651	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	114675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	109337	12.04	ug/L	0.00
7) Chloroethane-d5	1.93	69	95445	11.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	182160	11.19	ug/L	0.00
20) 2-Butanone-d5	4.67	46	182022	81.24	ug/L	0.00
24) Chloroform-d	5.11	84	170521	9.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	96181	10.26	ug/L	0.00
32) Benzene-d6	5.77	84	369023	10.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	118126	10.97	ug/L	0.00
41) Toluene-d8	7.93	98	344349	10.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	46436	9.59	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	218732	104.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	93427	10.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	108218	9.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	80145	8.533 ug/L	100
3) Chloromethane	1.54	50	80086	8.793 ug/L	98
5) Vinyl chloride	1.62	62	95886	9.534 ug/L	99
6) Bromomethane	1.87	94	57216	9.813 ug/L	98
8) Chloroethane	1.95	64	63737	10.497 ug/L	99
9) Trichlorofluoromethane	2.16	101	125537	8.951 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	80385	10.630 ug/L	99
12) 1,1-Dichloroethene	2.61	96	72085	9.806 ug/L	97
13) Acetone	2.66	43	270650	154.436 ug/L	99
14) Carbon disulfide	2.82	76	171616	7.506 ug/L	100
15) Methyl Acetate	2.99	43	35020	10.617 ug/L	100
16) Methylene chloride	3.08	84	92616	9.592 ug/L	100
17) Methyl tert-butyl Ether	3.41	73	218299	10.169 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	75766	9.340 ug/L	100
19) 1,1-Dichloroethane	3.92	63	160011	10.544 ug/L	99
21) 2-Butanone	4.75	43	330969	129.200 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	92181	9.886 ug/L	98
23) Bromochloromethane	5.02	128	37007	9.657 ug/L	96
25) Chloroform	5.13	83	167912	10.531 ug/L	98
27) 1,2-Dichloroethane	5.84	62	104494	9.972 ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	123806	8.900 ug/L	99
30) Cyclohexane	5.43	56	131777	9.409 ug/L	98
31) Carbon tetrachloride	5.57	117	99609	8.479 ug/L	97
33) Benzene	5.82	78	346482	10.096 ug/L	100
34) Trichloroethene	6.58	95	87770	9.633 ug/L	98
35) Methylcyclohexane	6.80	83	142072	9.831 ug/L	99
37) 1,2-Dichloropropane	6.83	63	95562	10.716 ug/L	100
38) Bromodichloromethane	7.14	83	115247	9.597 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	143220	9.983 ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	642767	103.214 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	378828	10.028	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	113454	9.675	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	65587	10.163	ug/L	99
47) Tetrachloroethene	8.58	164	58291	9.166	ug/L	96
48) 2-Hexanone	8.72	43	549845	119.593	ug/L	100
49) Dibromochloromethane	8.84	129	71754	8.731	ug/L	94
50) 1,2-Dibromoethane	8.95	107	60474	9.460	ug/L	99
51) Chlorobenzene	9.47	112	233218	9.959	ug/L	98
52) Ethylbenzene	9.60	91	428276	10.256	ug/L	100
53) m,p-Xylene	9.72	106	158546	9.899	ug/L	96
54) o-Xylene	10.13	106	156285	10.020	ug/L	96
55) Styrene	10.14	104	267991	10.143	ug/L	99
56) Isopropylbenzene	10.51	105	419874	10.158	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	88929	10.237	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	63579	10.347	ug/L	99
61) Bromoform	10.32	173	38857	8.471	ug/L	95
62) 1,3-Dichlorobenzene	11.77	146	180357	10.043	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	179028	10.064	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	171195	10.038	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	13188	8.718	ug/L	95
67) 1,3,5-Trichlorobenzene	13.23	180	130105	10.215	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	102193	10.885	ug/L	99
69) Naphthalene	14.10	128	195591	11.718	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	91666	10.156	ug/L	99

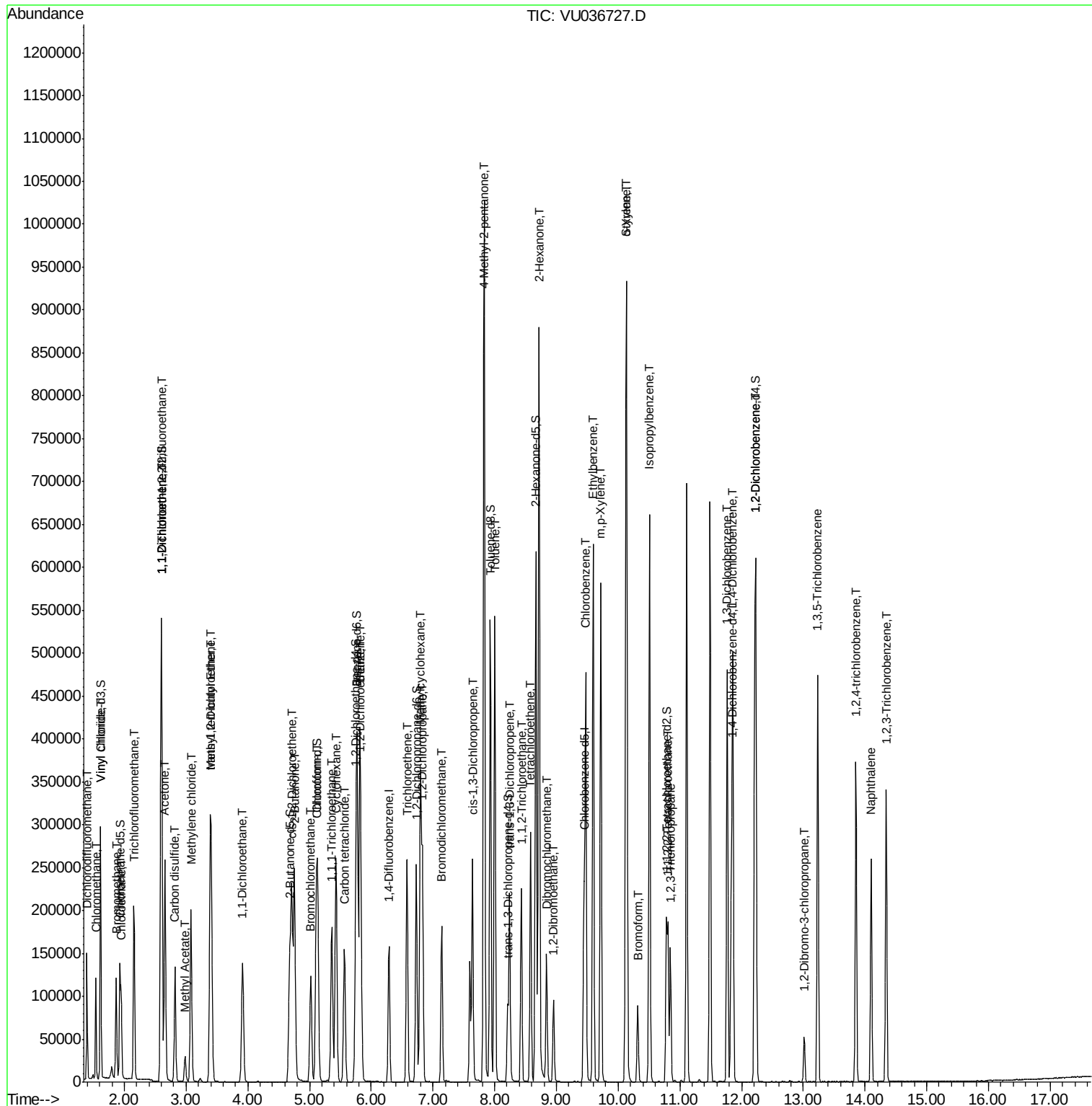
(#) = qualifier out of range (m) = manual integration (+) = signals summed

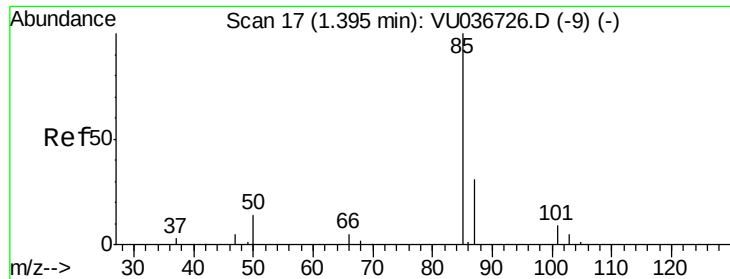
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#2

Dichlorodifluoromethane

Concen: 8.533 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

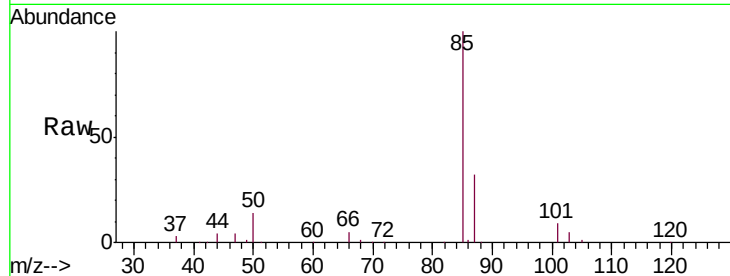
VSTD01001

Tgt Ion: 85 Resp: 80145

Ion Ratio Lower Upper

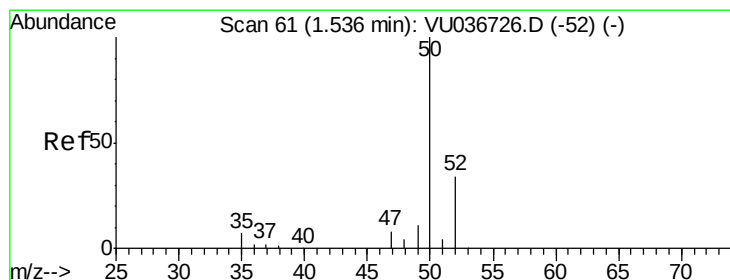
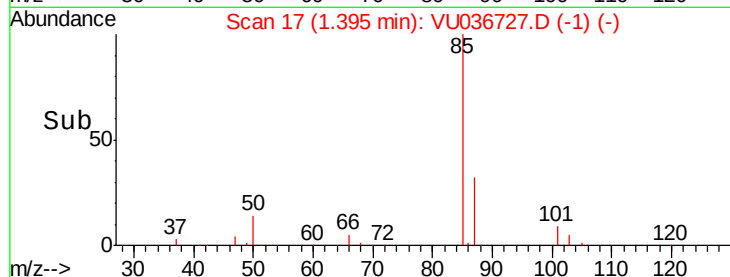
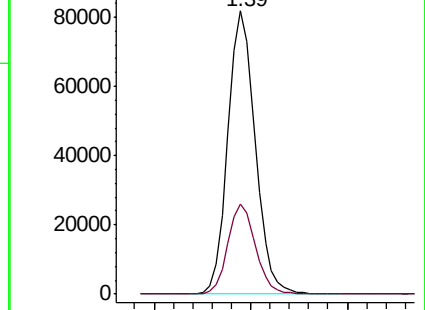
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036727.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036727.D (-9) (-)



#3

Chloromethane

Concen: 8.793 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036727.D

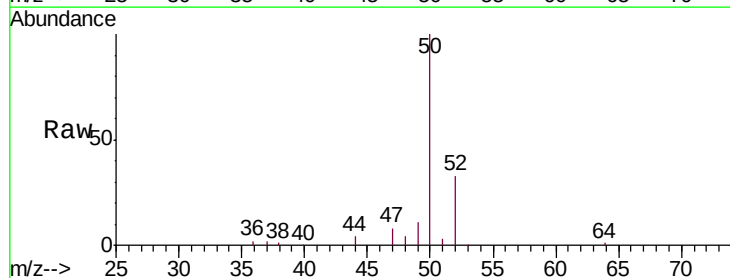
Acq: 11 Feb 2020 17:06

Tgt Ion: 50 Resp: 80086

Ion Ratio Lower Upper

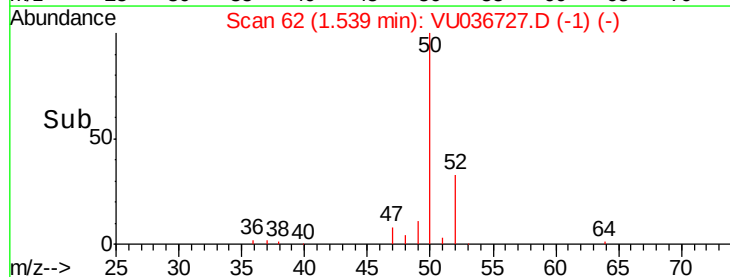
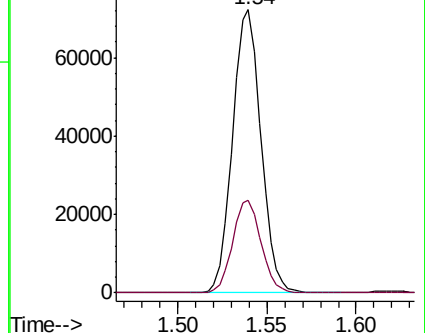
50 100

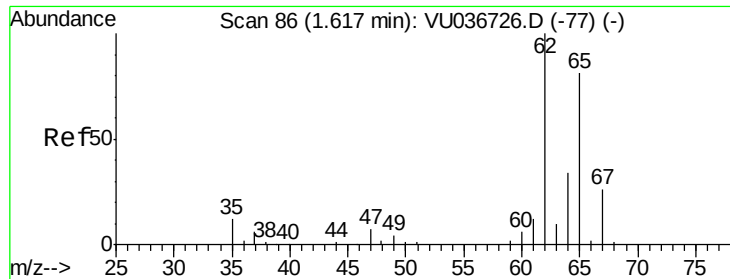
52 32.7 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036727.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036727.D (-52) (-)





#5

Vinyl chloride

Concen: 9.534 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

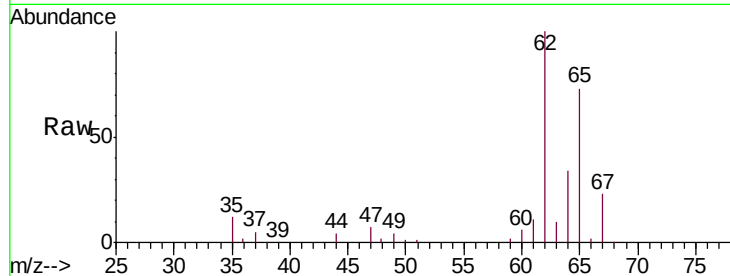
VSTD01001

Tgt Ion: 62 Resp: 95886

Ion Ratio Lower Upper

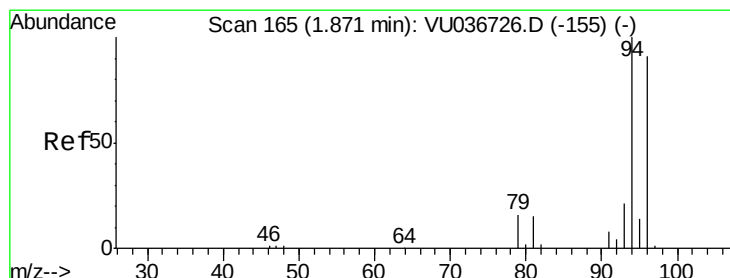
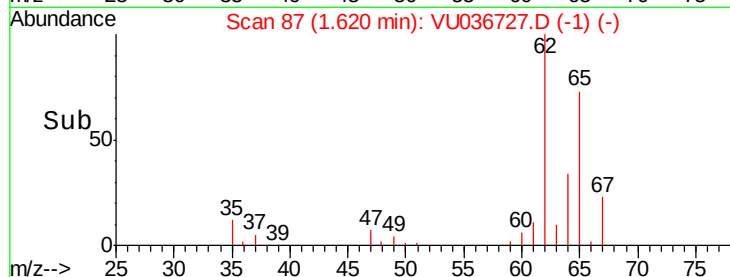
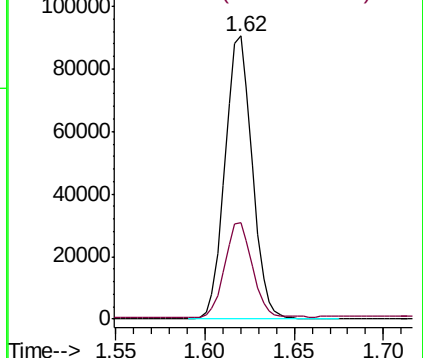
62 100

64 33.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036727.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU036727.D (-1) (-)



#6

Bromomethane

Concen: 9.813 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036727.D

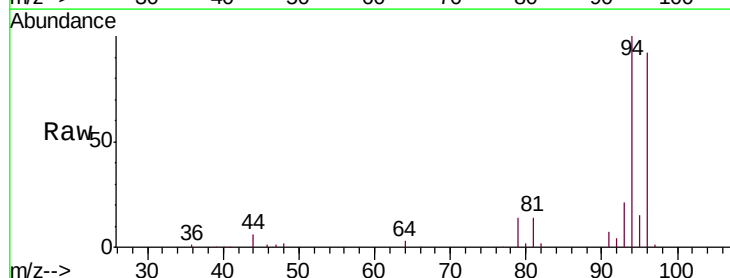
Acq: 11 Feb 2020 17:06

Tgt Ion: 94 Resp: 57216

Ion Ratio Lower Upper

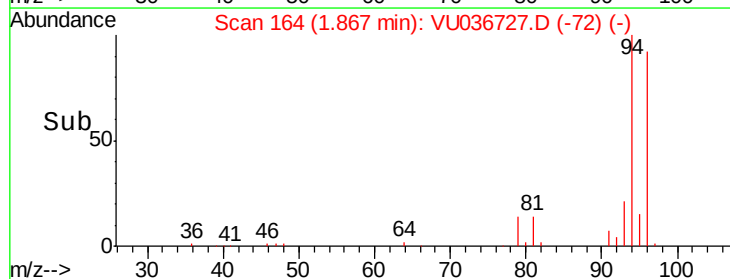
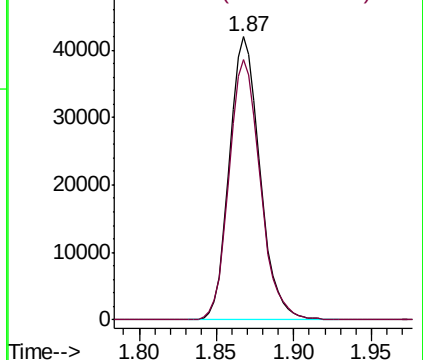
94 100

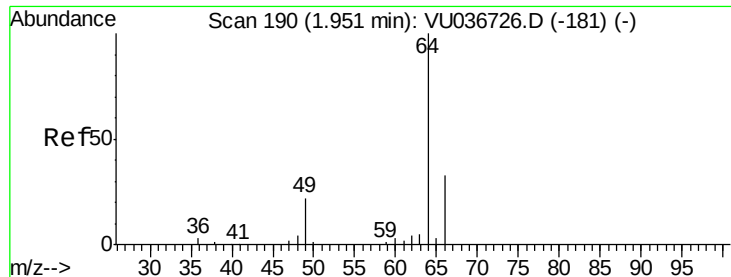
96 92.0 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036727.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036727.D (-72) (-)





#8

Chloroethane

Concen: 10.497 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

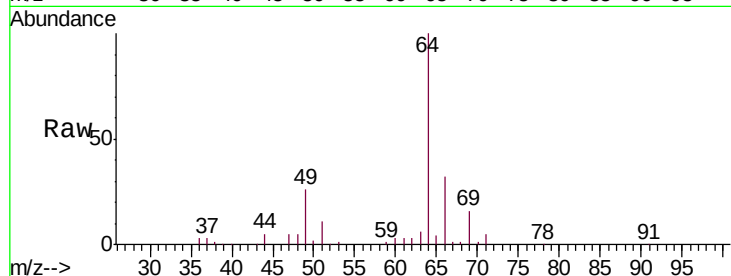
VSTD01001

Tgt Ion: 64 Resp: 63737

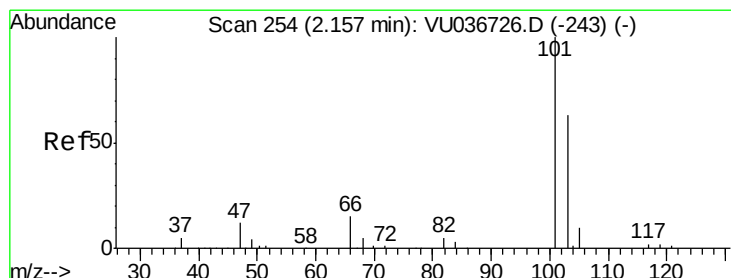
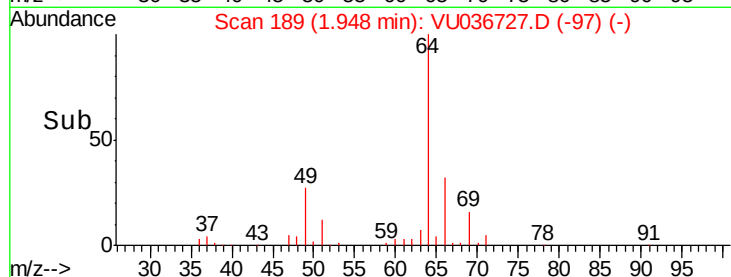
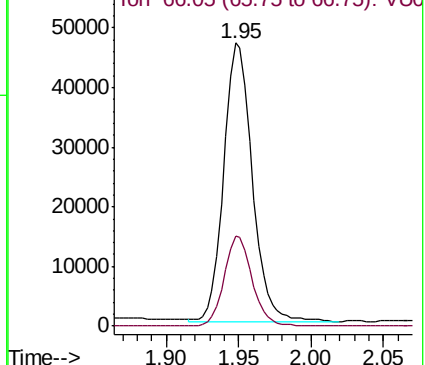
Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036727.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 8.951 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036727.D

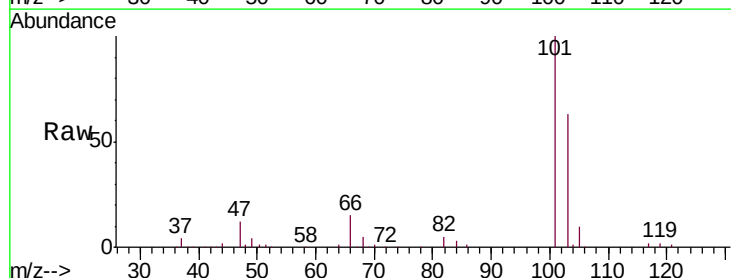
Acq: 11 Feb 2020 17:06

Tgt Ion: 101 Resp: 125537

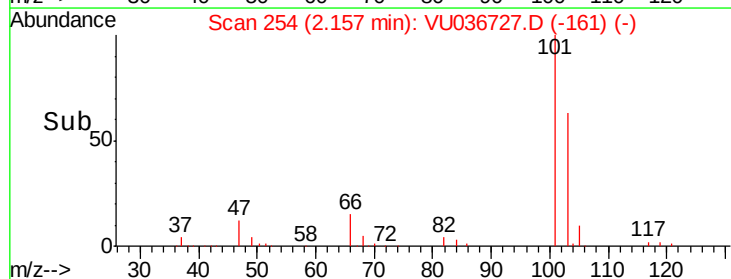
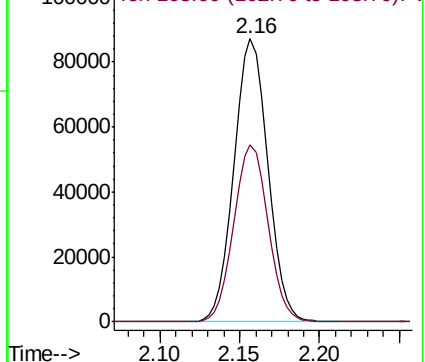
Ion Ratio Lower Upper

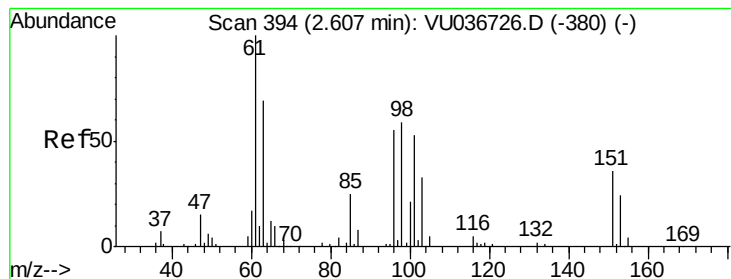
101 100

103 63.3 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036727.D (-243) (-)





#10

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

Concen: 10.630 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

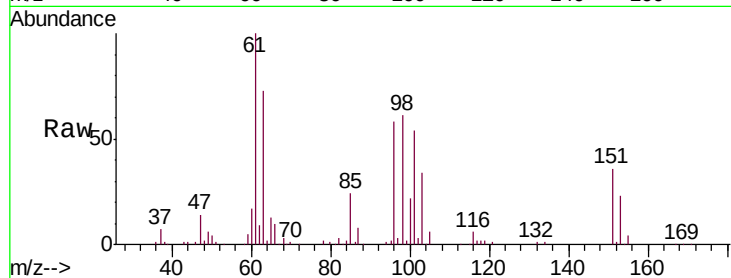
Tgt Ion: 101 Resp: 80385

Ion Ratio Lower Upper

101 100

85 44.4 36.4 54.6

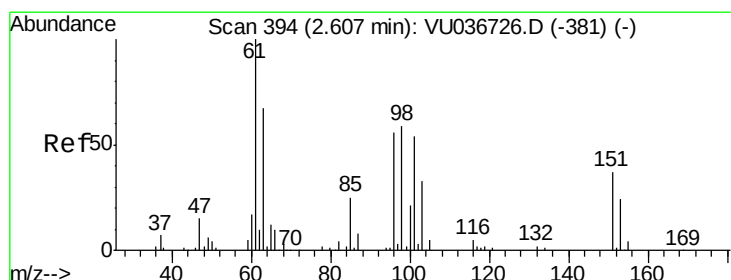
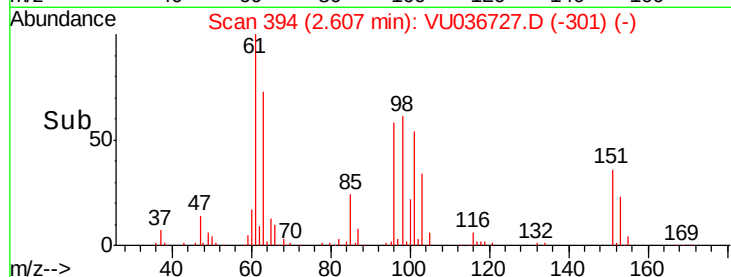
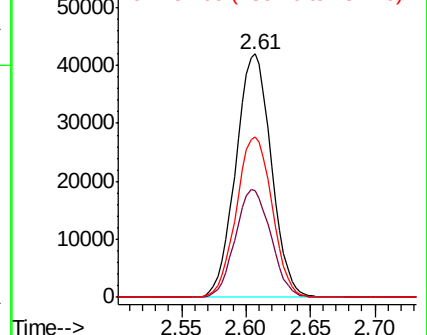
151 66.5 54.0 81.0



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: 9.806 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

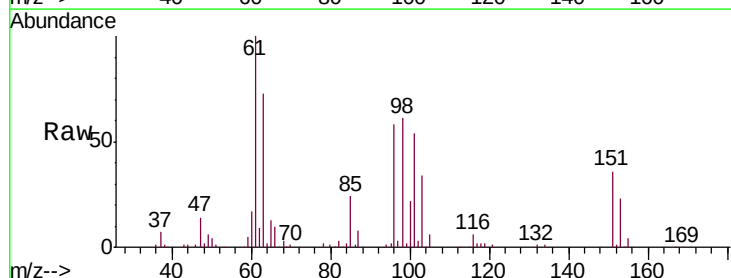
Tgt Ion: 96 Resp: 72085

Ion Ratio Lower Upper

96 100

61 173.5 126.4 234.8

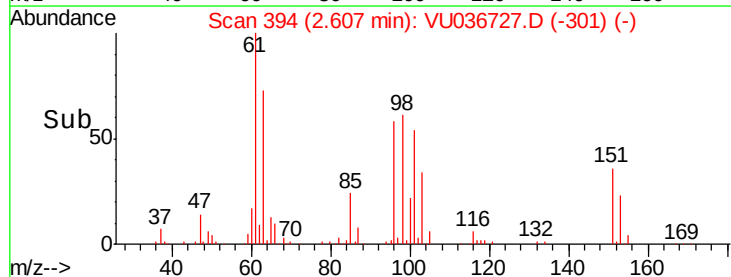
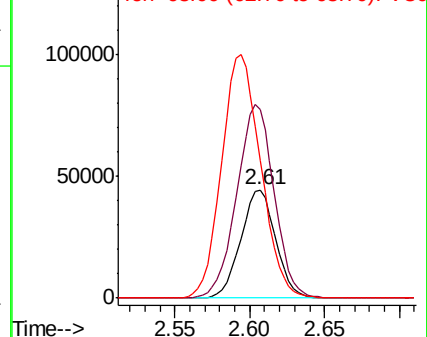
63 126.6 89.5 166.3

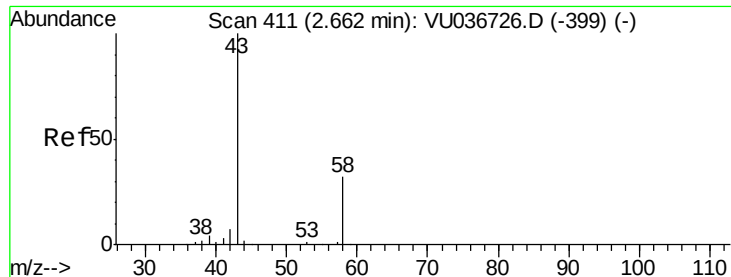


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 154.436 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

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ClientSampleId :

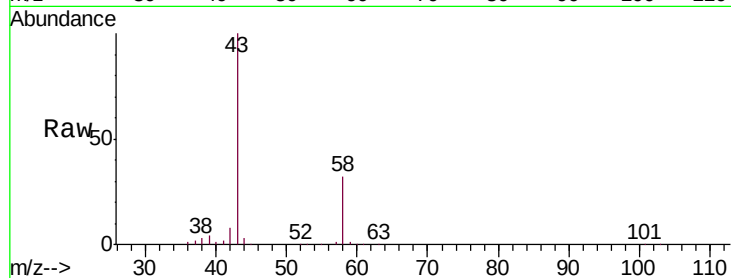
VSTD01001

Tgt Ion: 43 Resp: 270650

Ion Ratio Lower Upper

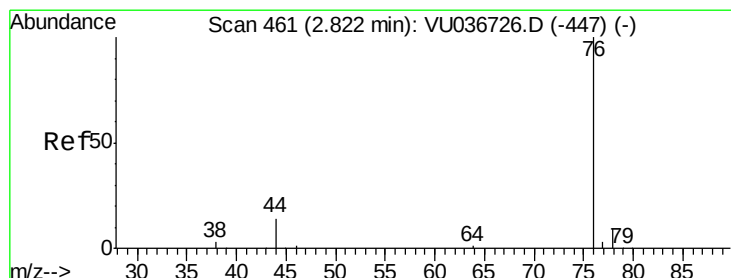
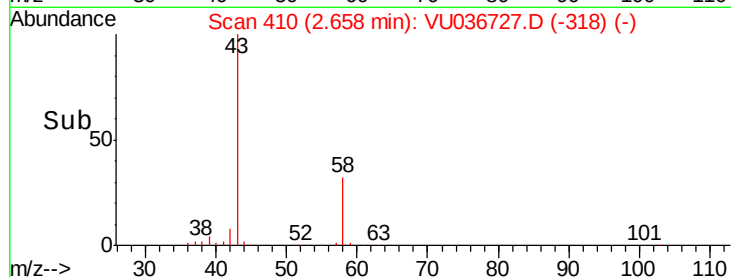
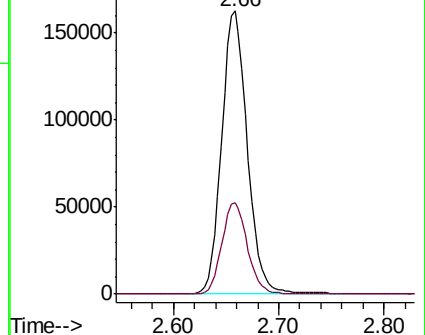
43 100

58 32.6 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036727.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036727.D (-399) (-)



#14

Carbon disulfide

Concen: 7.506 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036727.D

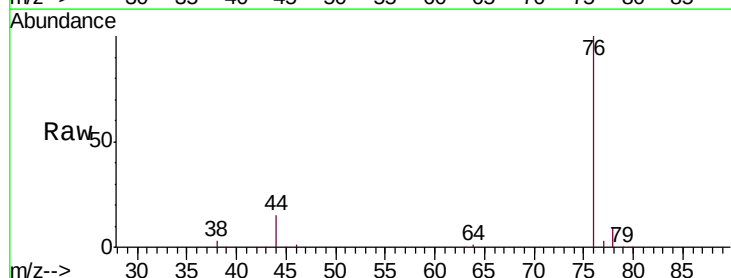
Acq: 11 Feb 2020 17:06

Tgt Ion: 76 Resp: 171616

Ion Ratio Lower Upper

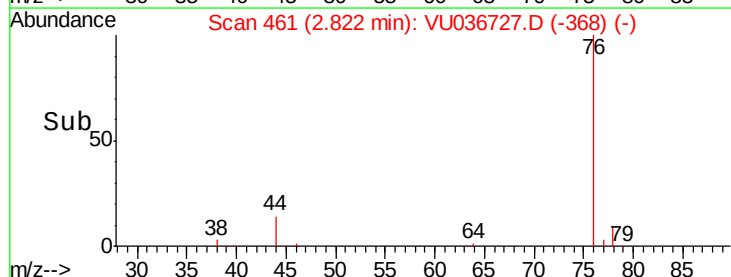
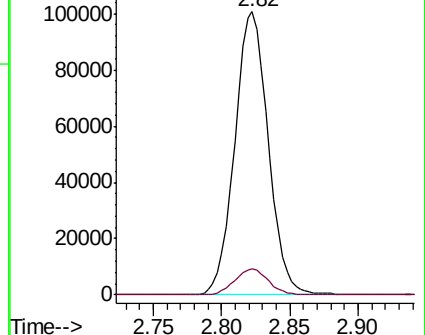
76 100

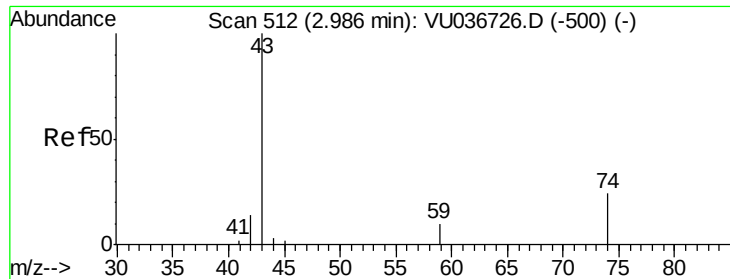
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036727.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036727.D (-368) (-)





#15

Methyl Acetate

Concen: 10.617 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

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ClientSampleId :

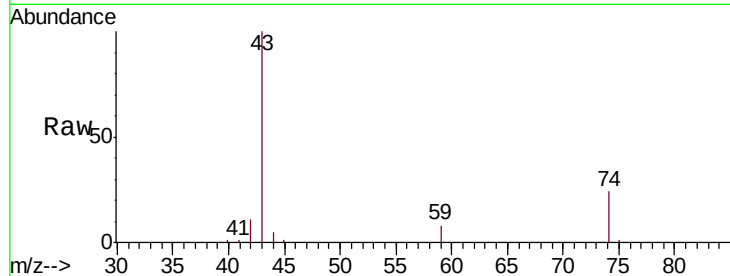
VSTD01001

Tgt Ion: 43 Resp: 35020

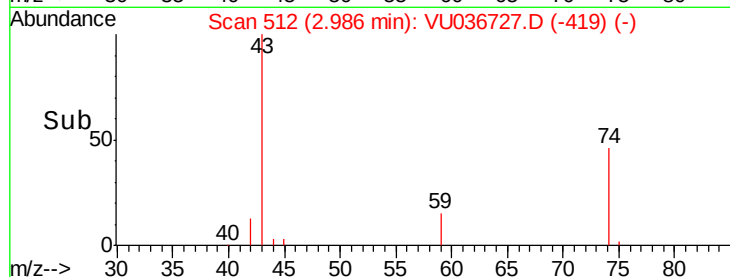
Ion Ratio Lower Upper

43 100

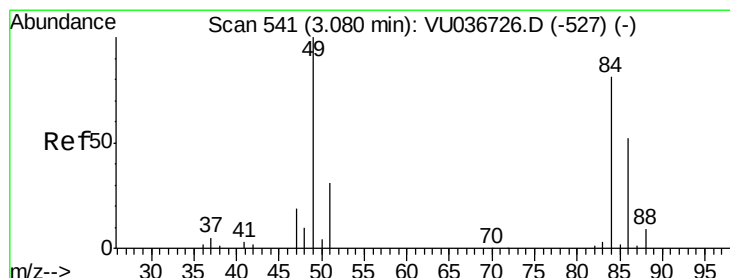
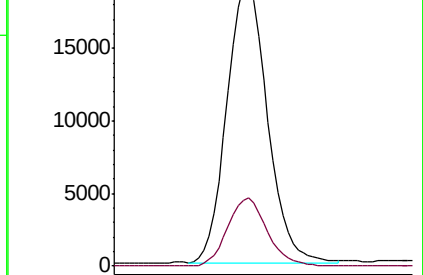
74 23.7 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036727.D (-419) (-)



Ion 74.05 (73.75 to 74.75): VU036727.D (-419) (-)



#16

Methylene chloride

Concen: 9.592 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

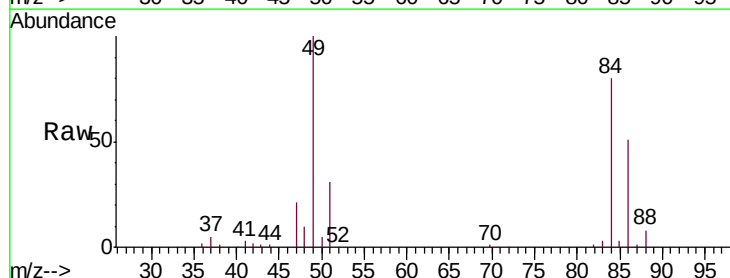
Tgt Ion: 84 Resp: 92616

Ion Ratio Lower Upper

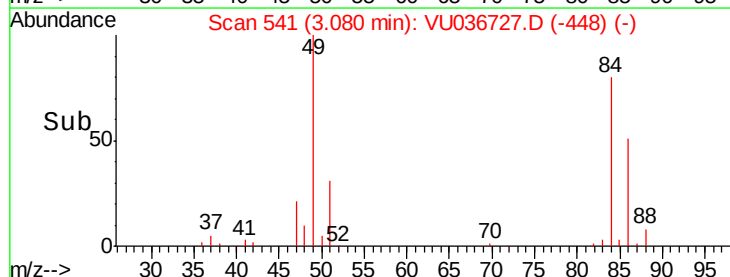
84 100

86 63.9 44.7 82.9

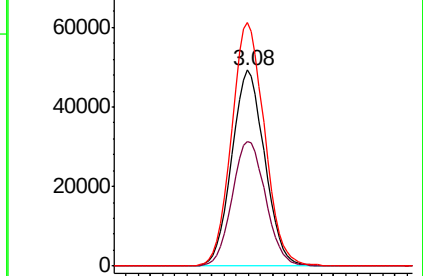
49 124.4 86.7 160.9

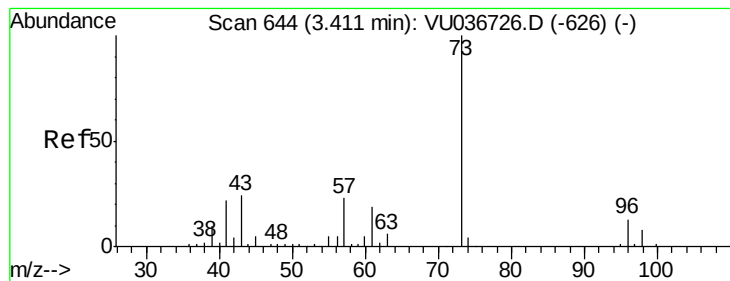


Abundance Ion 84.05 (83.75 to 84.75): VU036727.D (-448) (-)



Ion 86.00 (85.70 to 86.70): VU036727.D (-448) (-)





#17

Methyl tert-butyl Ether

Concen: 10.169 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

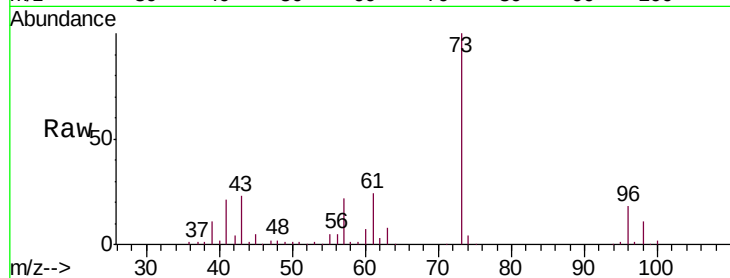
Tgt Ion: 73 Resp: 218299

Ion Ratio Lower Upper

73 100

43 23.3 18.7 28.1

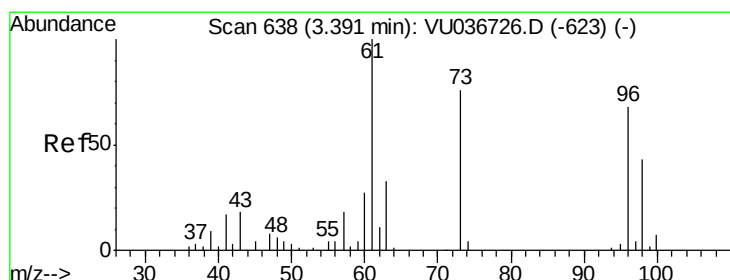
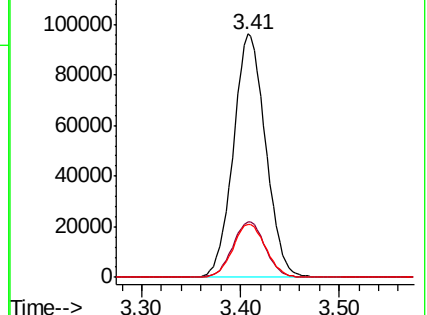
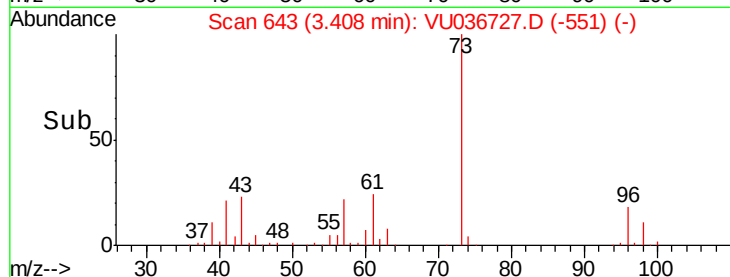
57 22.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036727.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036727.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036727.D (-551) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.340 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

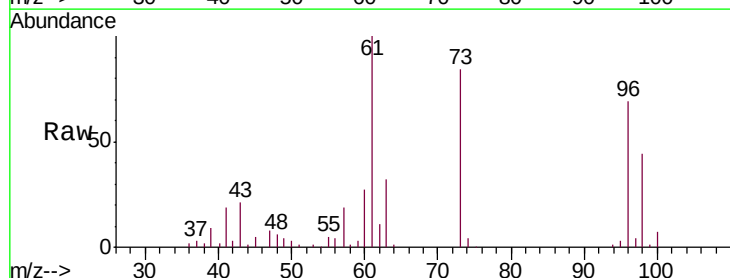
Tgt Ion: 96 Resp: 75766

Ion Ratio Lower Upper

96 100

61 145.8 102.6 190.5

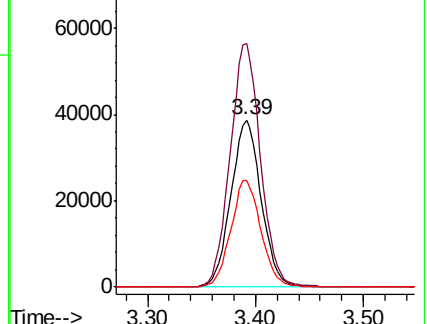
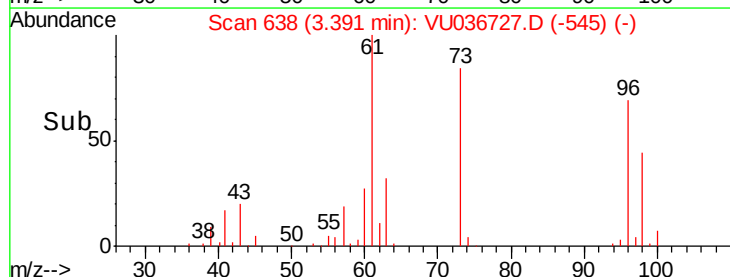
98 63.8 44.5 82.7

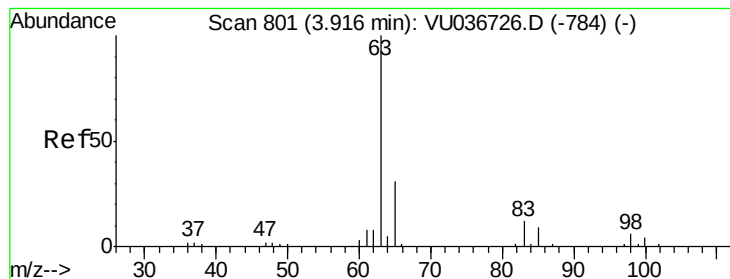


Abundance Ion 96.00 (95.70 to 96.70): VU036727.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU036727.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU036727.D (-545) (-)





#19

1,1-Dichloroethane

Concen: 10.544 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

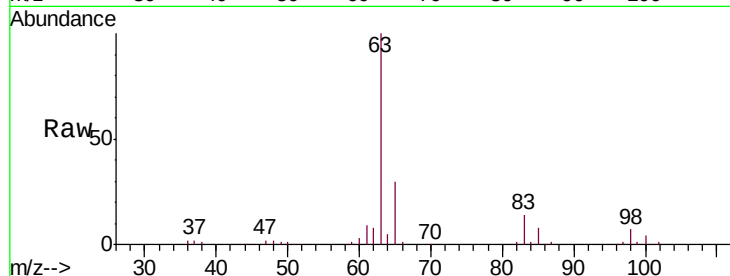
Tgt Ion: 63 Resp: 160011

Ion Ratio Lower Upper

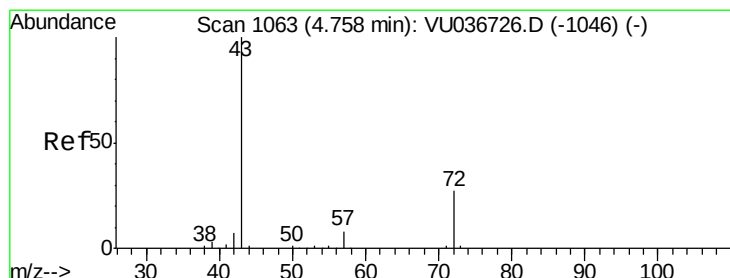
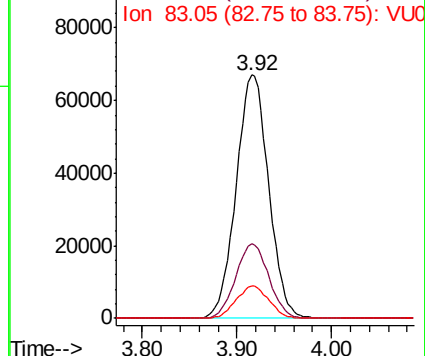
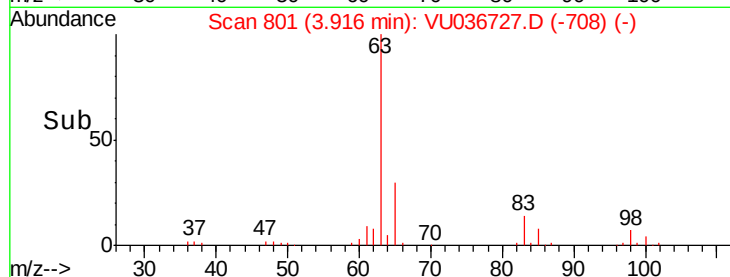
63 100

65 30.4 21.6 40.2

83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU036727.D (-708) (-)



#21

2-Butanone

Concen: 129.200 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036727.D

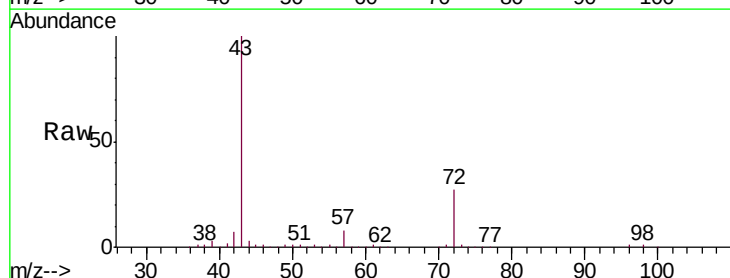
Acq: 11 Feb 2020 17:06

Tgt Ion: 43 Resp: 330969

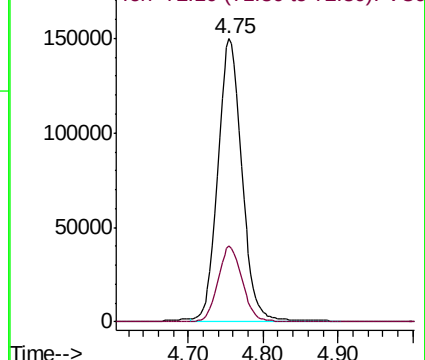
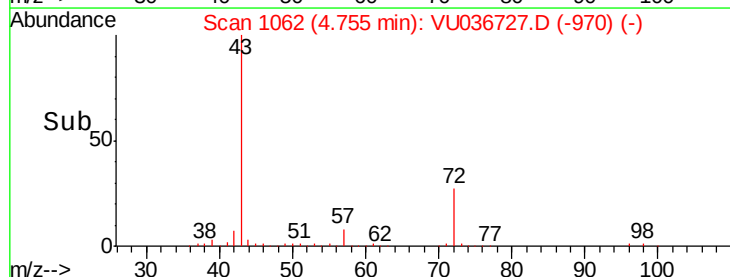
Ion Ratio Lower Upper

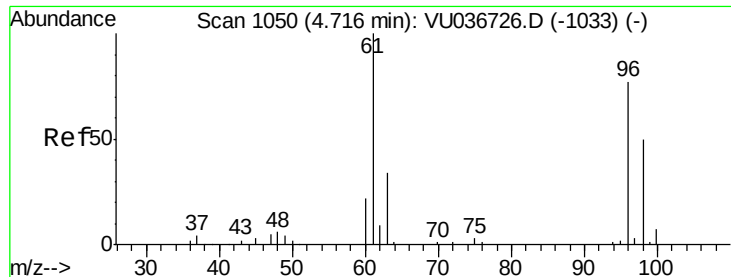
43 100

72 27.4 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036727.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.886 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

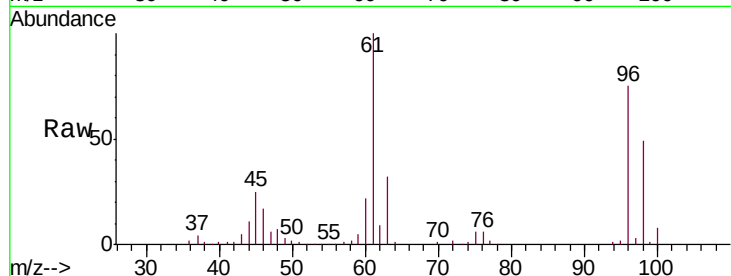
Tgt Ion: 96 Resp: 92181

Ion Ratio Lower Upper

96 100

61 132.8 91.2 169.4

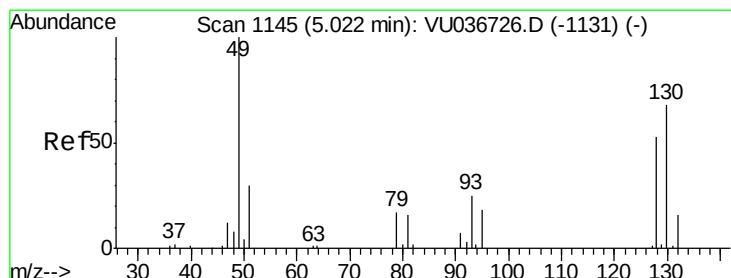
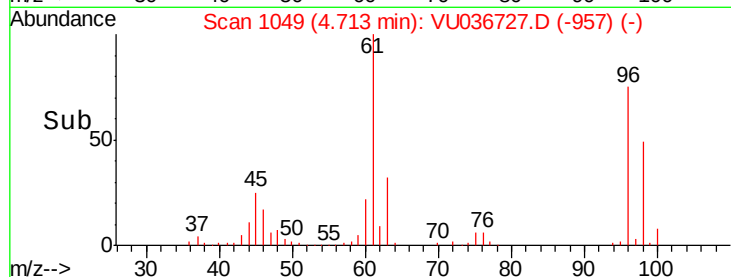
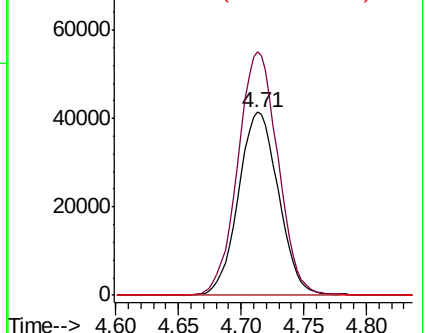
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 9.657 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Tgt Ion: 128 Resp: 37007

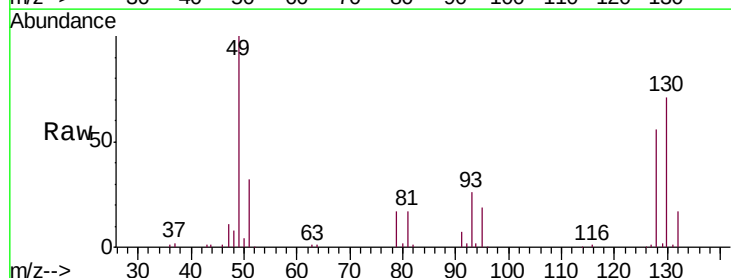
Ion Ratio Lower Upper

128 100

49 178.2 132.4 245.8

130 126.0 89.0 165.2

51 56.3 45.6 68.4

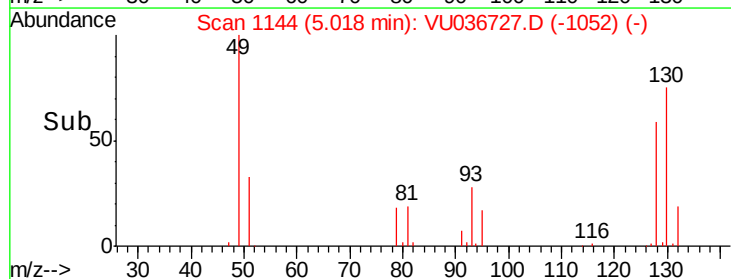
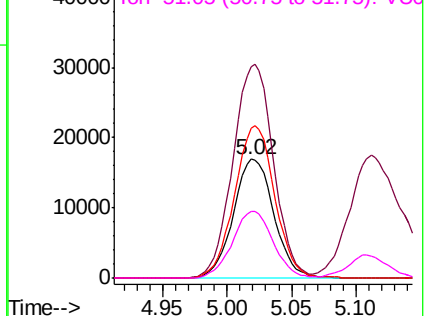


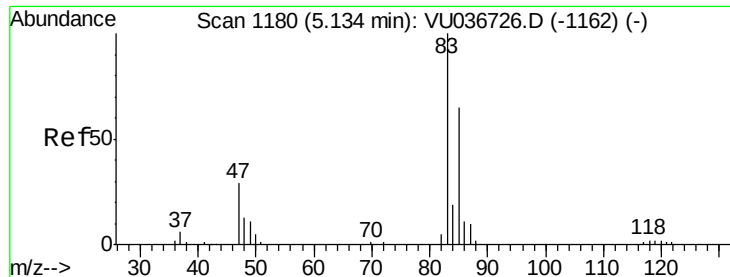
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

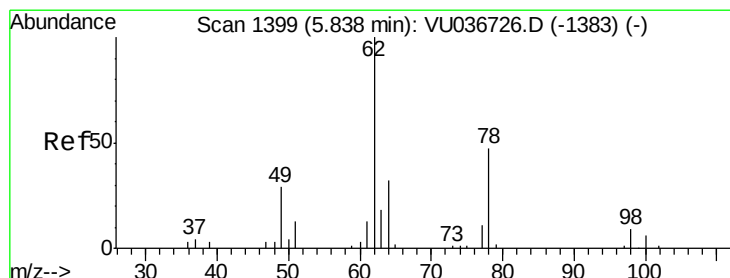
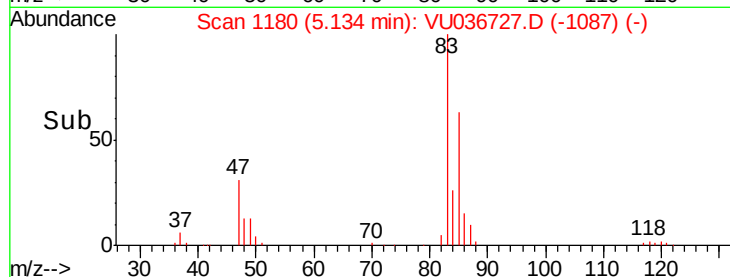
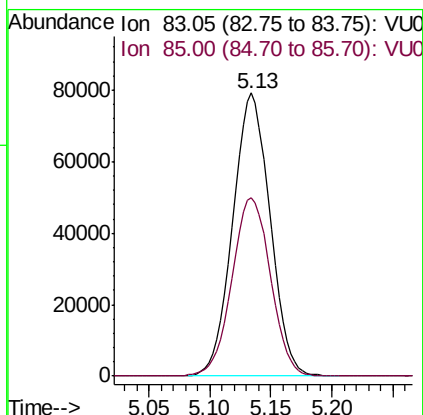
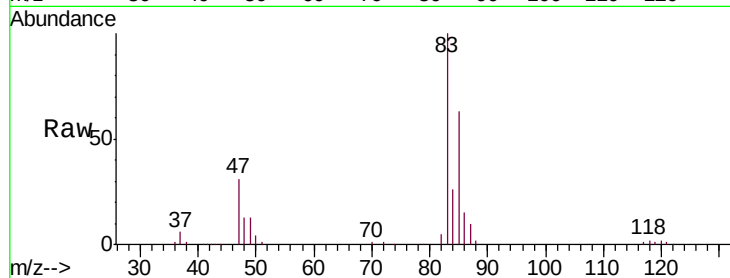




#25
Chloroform
Concen: 10.531 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

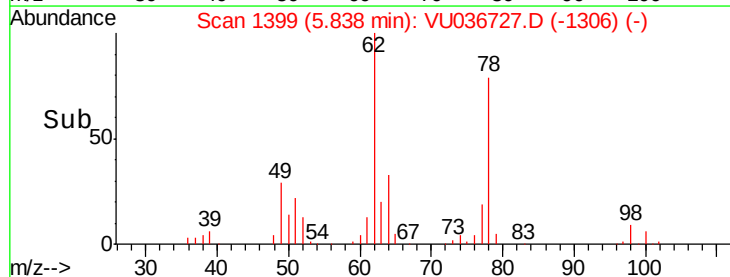
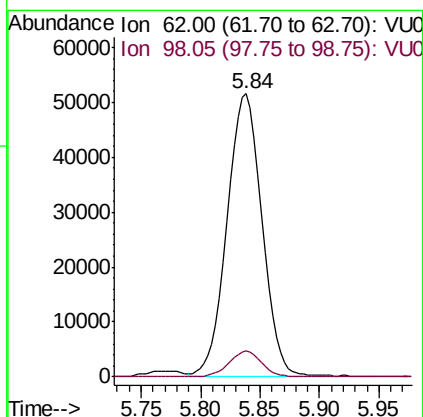
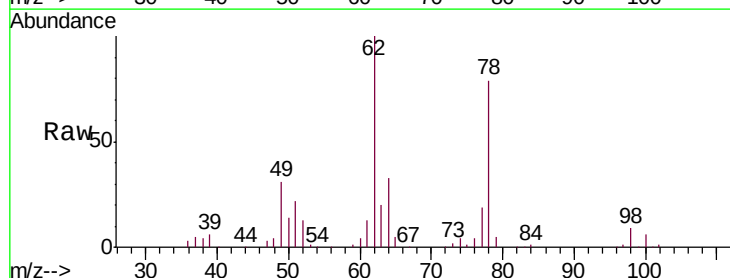
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

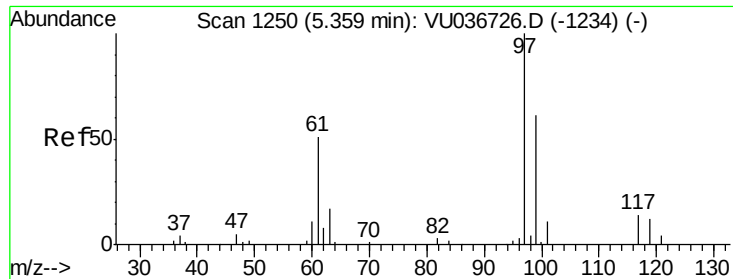
Tgt Ion: 83 Resp: 167912
Ion Ratio Lower Upper
83 100
85 63.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 9.972 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

Tgt Ion: 62 Resp: 104494
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4

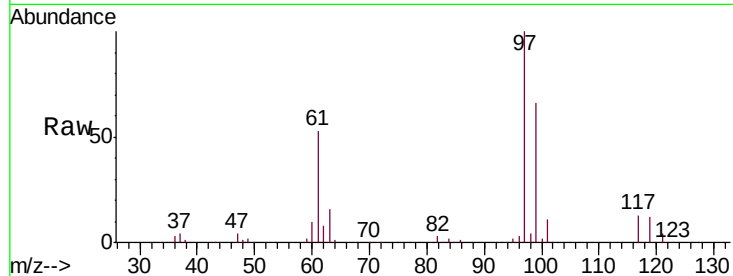




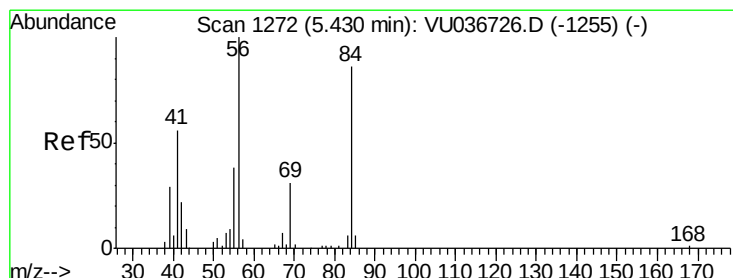
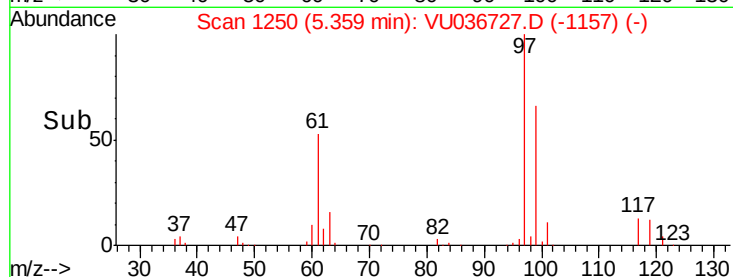
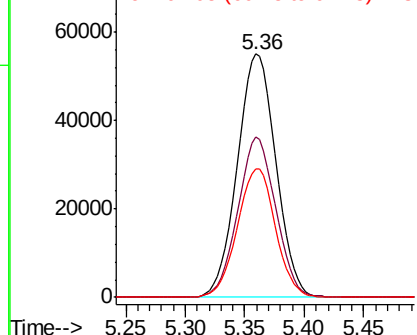
#29
 1,1,1-Trichloroethane
 Concen: 8.900 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion: 97 Resp: 123806
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.0 76.4
 61 52.1 41.6 62.4

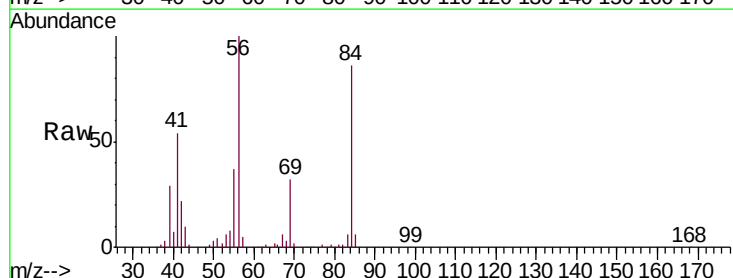


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

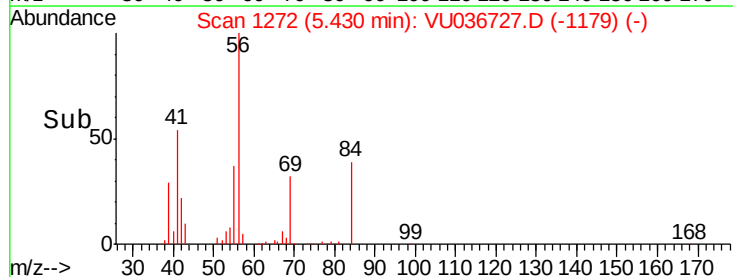
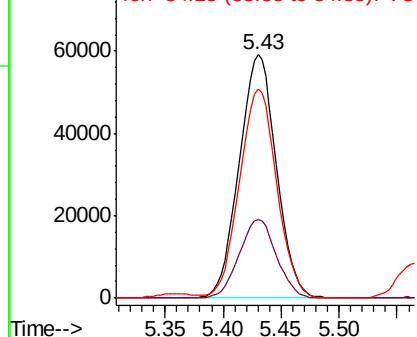


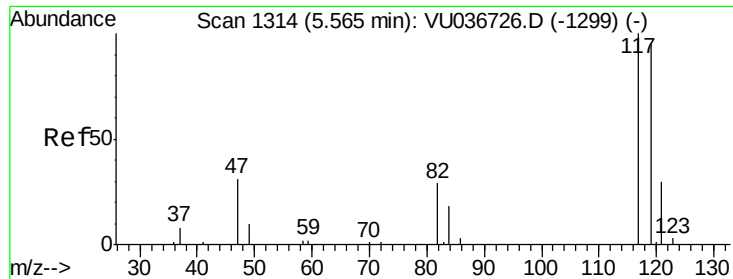
#30
 Cyclohexane
 Concen: 9.409 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion: 56 Resp: 131777
 Ion Ratio Lower Upper
 56 100
 69 32.2 24.6 37.0
 84 86.3 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: 8.479 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

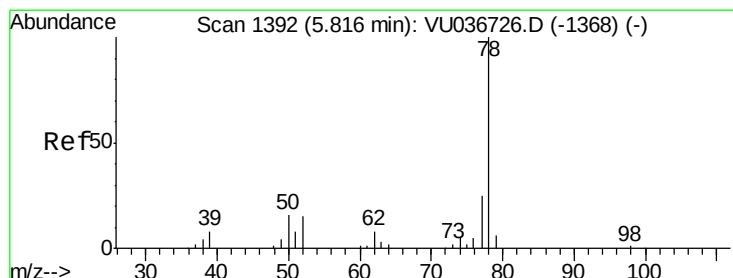
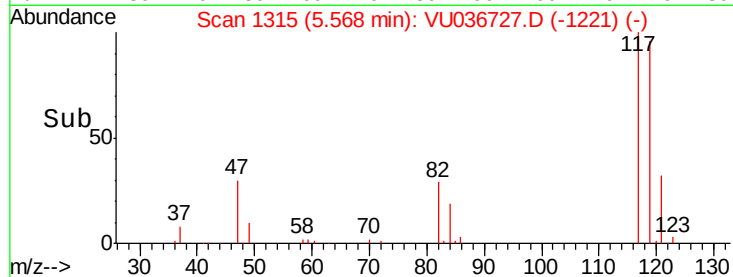
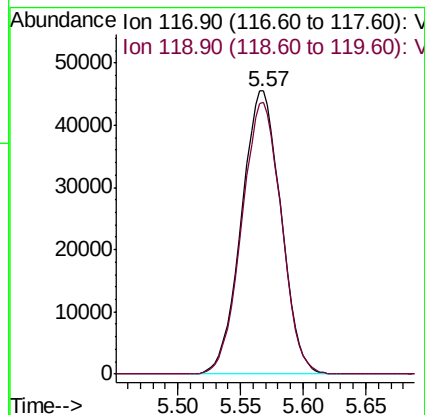
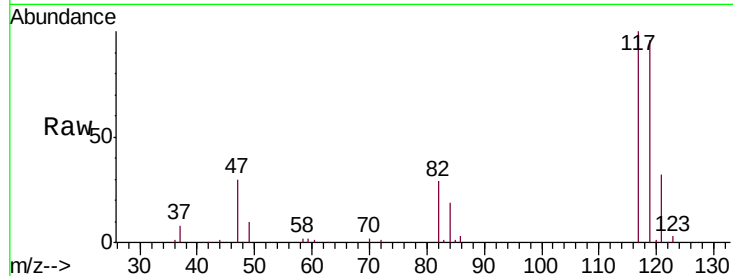
VSTD01001

Tgt Ion:117 Resp: 99609

Ion Ratio Lower Upper

117 100

119 96.2 74.5 111.7



#33

Benzene

Concen: 10.096 ug/L

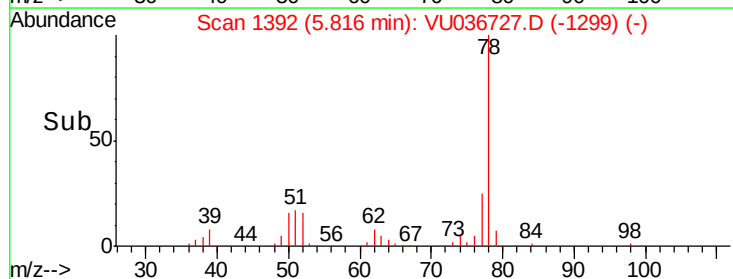
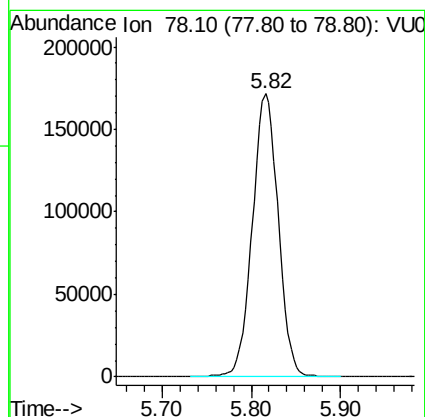
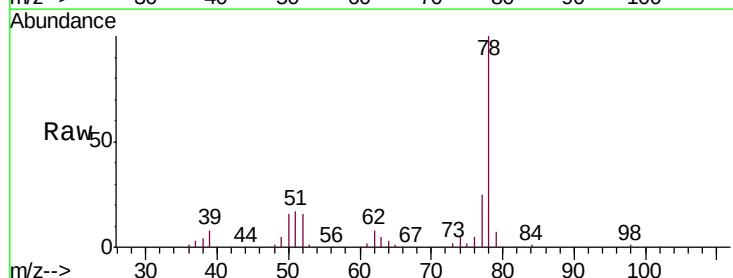
RT: 5.82 min Scan# 1392

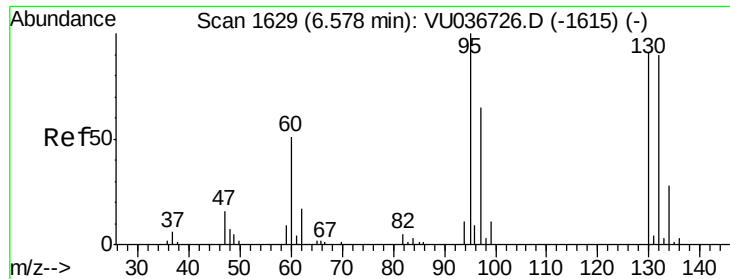
Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Tgt Ion: 78 Resp: 346482





#34

Trichloroethene

Concen: 9.633 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tgt Ion: 95 Resp: 87770

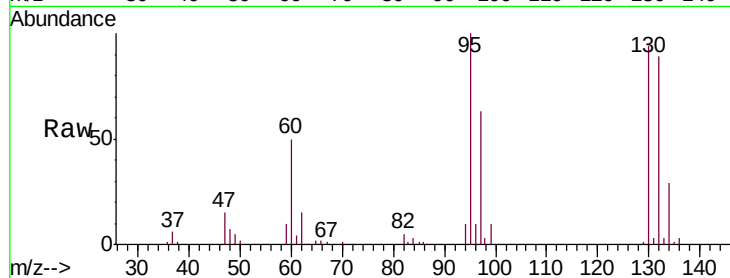
Ion Ratio Lower Upper

95 100

97 63.3 45.6 84.8

132 88.8 62.8 116.6

130 94.1 63.8 118.4

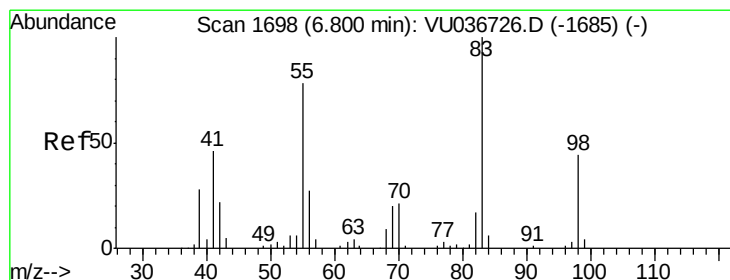
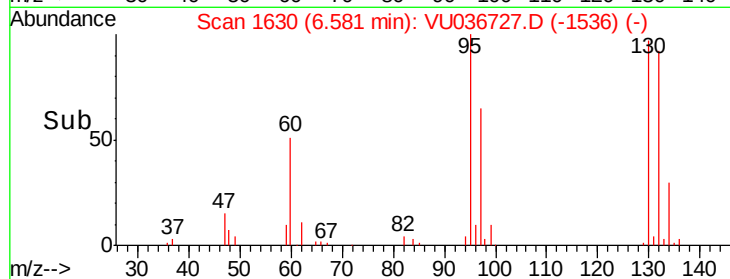
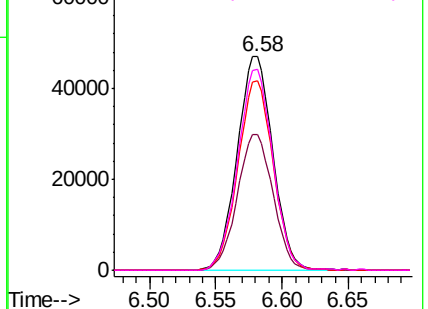


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.831 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

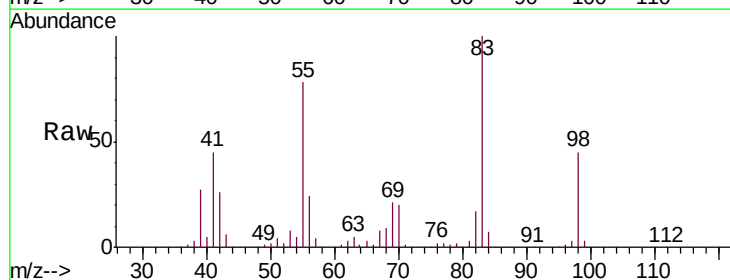
Tgt Ion: 83 Resp: 142072

Ion Ratio Lower Upper

83 100

55 76.9 61.0 91.4

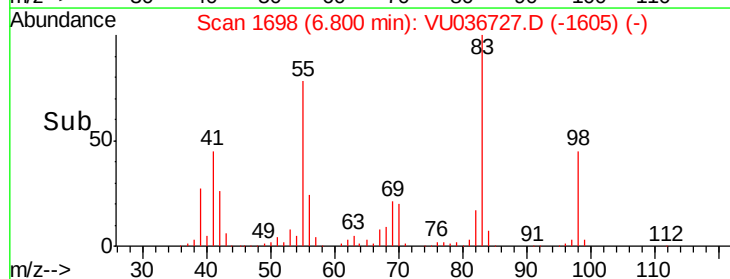
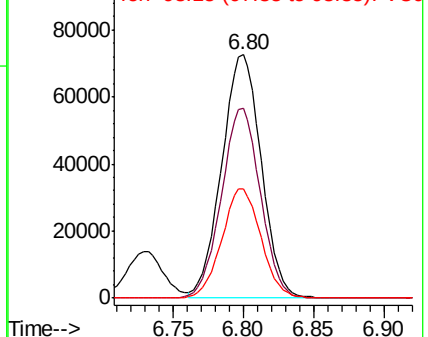
98 44.5 34.2 51.4

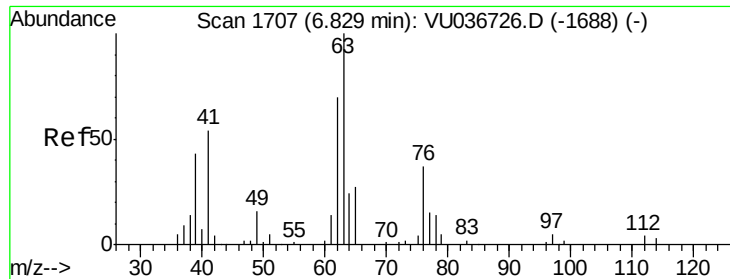


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

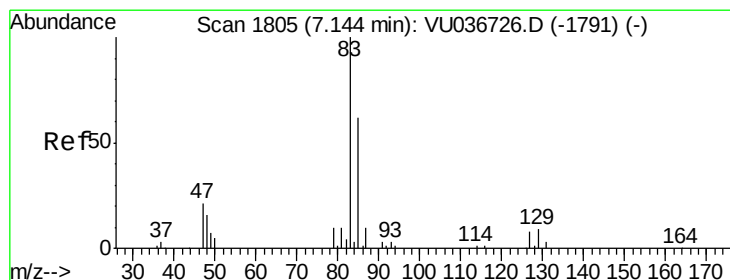
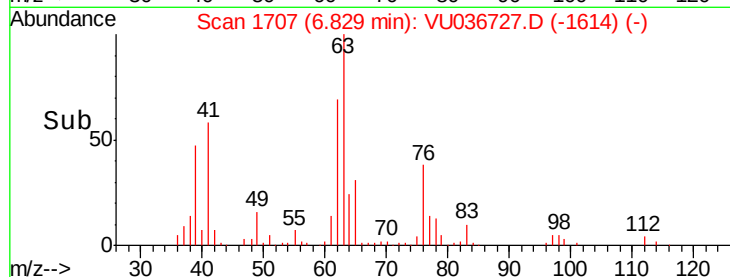
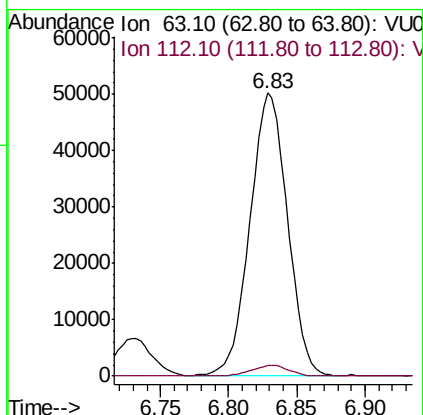
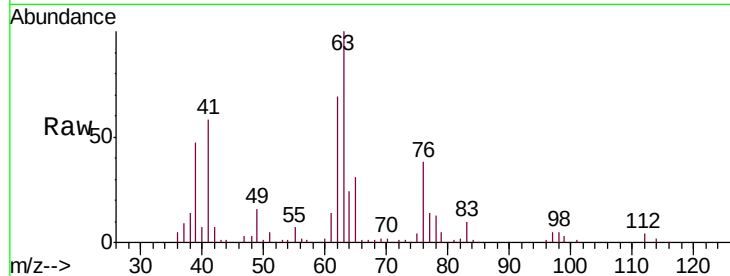




#37
 1,2-Dichloropropane
 Concen: 10.716 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

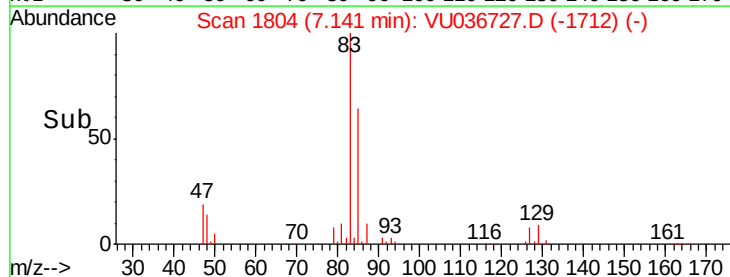
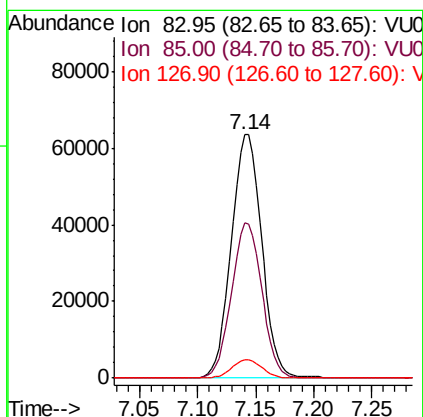
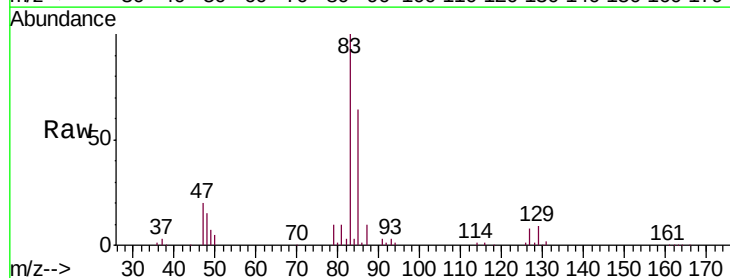
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD01001

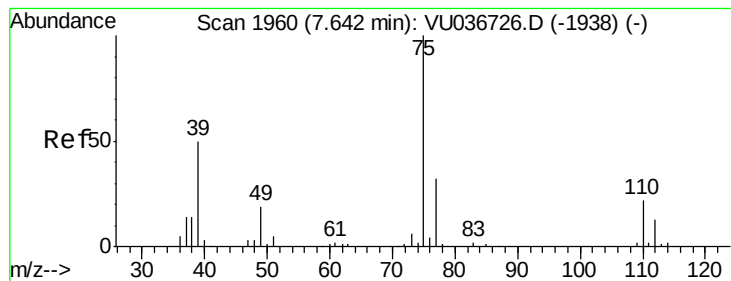
Tgt Ion: 63 Resp: 95562
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.597 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion: 83 Resp: 115247
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.0 80.0
 127 7.6 6.3 9.5



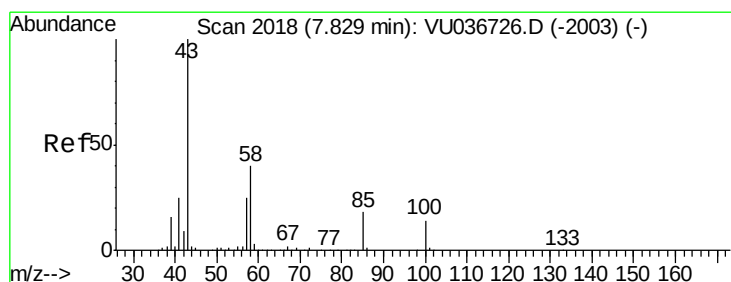
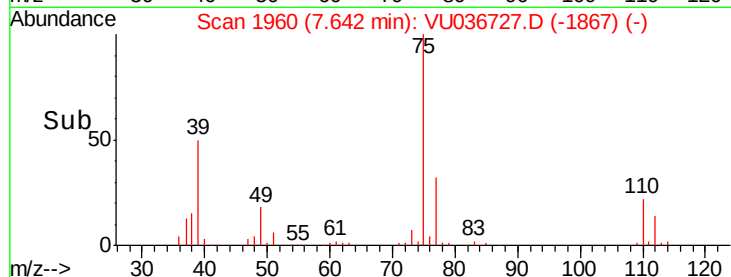
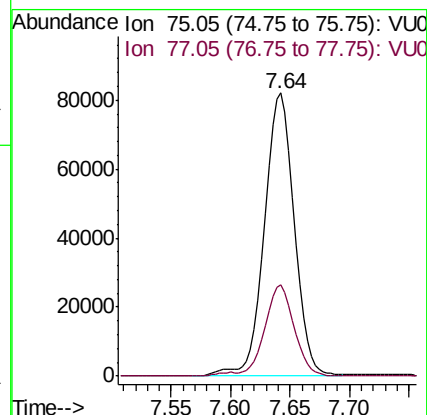
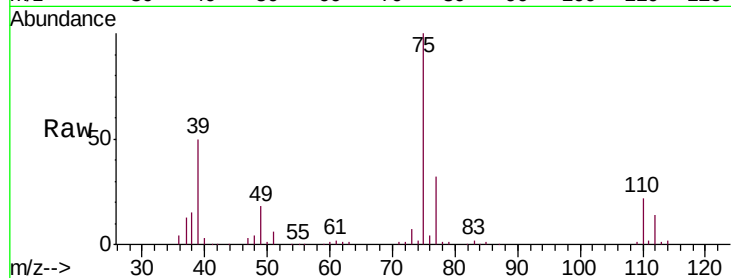


#39

cis-1,3-Dichloropropene
 Concen: 9.983 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

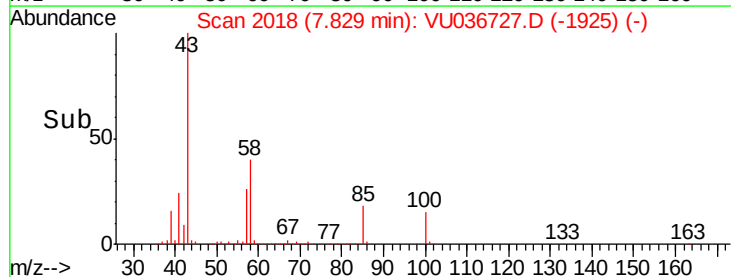
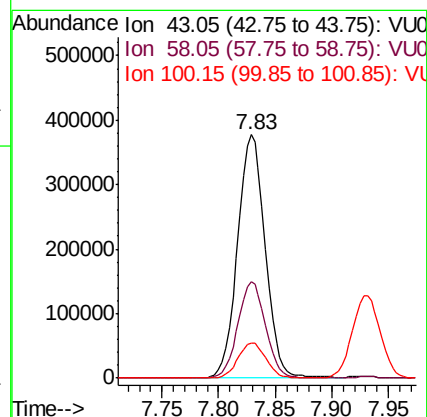
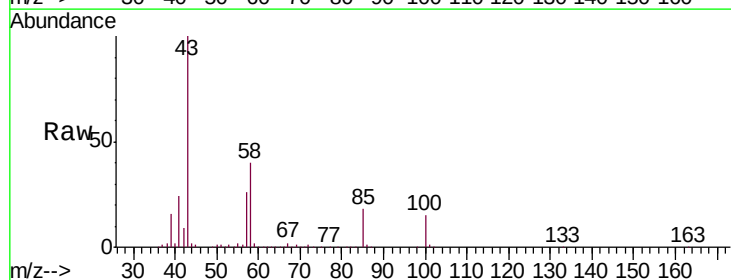
Tgt Ion: 75 Resp: 143220
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9

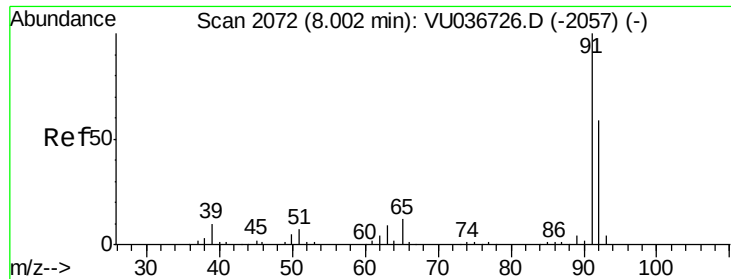


#40

4-Methyl-2-pentanone
 Concen: 103.214 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion: 43 Resp: 642767
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0
 100 14.8 11.8 17.8





#42

Toluene

Concen: 10.028 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

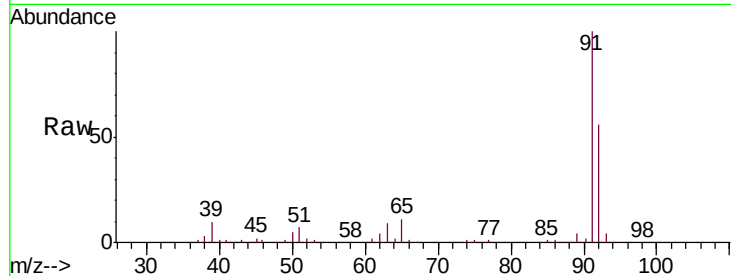
VSTD01001

Tgt Ion: 91 Resp: 378828

Ion Ratio Lower Upper

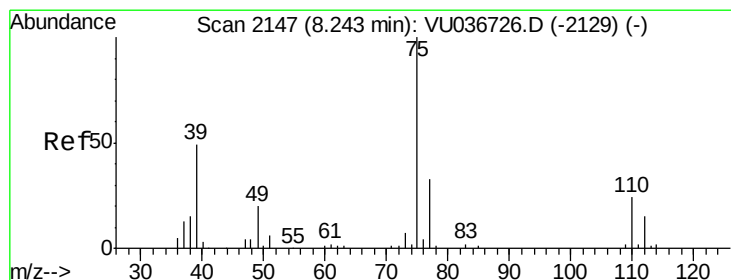
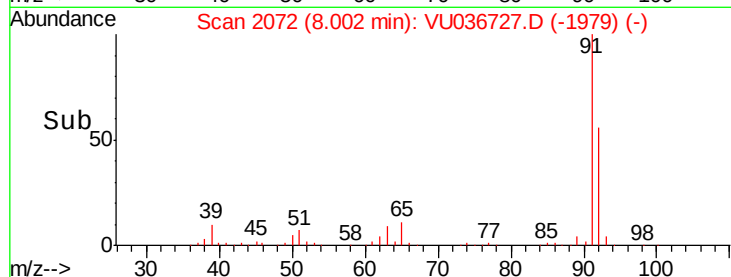
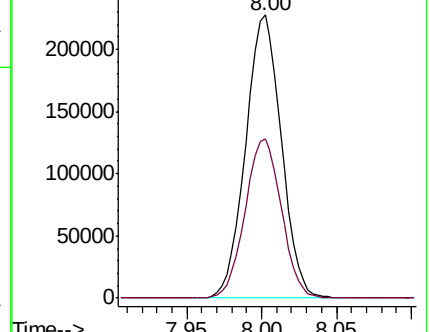
91 100

92 56.3 41.2 76.4



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

Ion 92.15 (91.85 to 92.85): VU036726.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.675 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036727.D

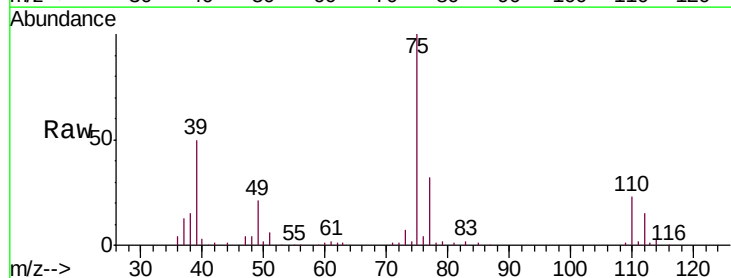
Acq: 11 Feb 2020 17:06

Tgt Ion: 75 Resp: 113454

Ion Ratio Lower Upper

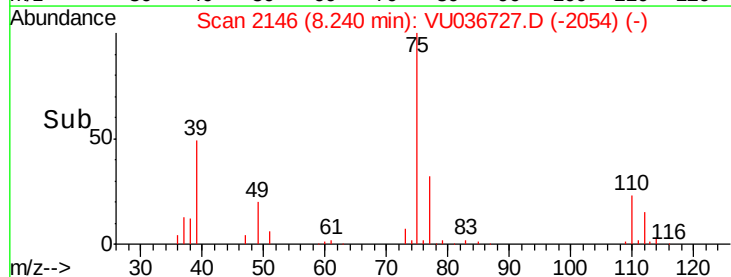
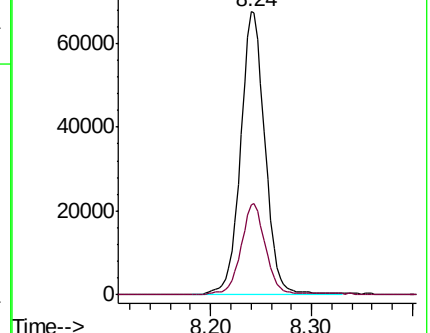
75 100

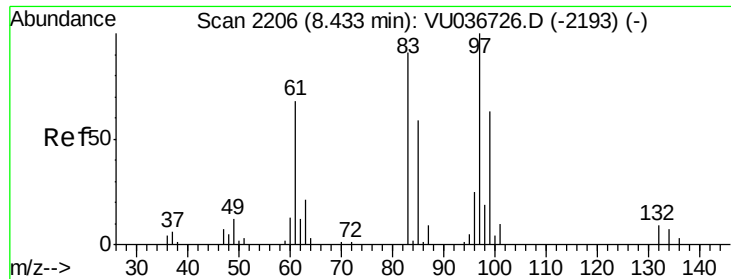
77 31.8 23.1 42.9



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

Ion 77.05 (76.75 to 77.75): VU036726.D (-2129) (-)

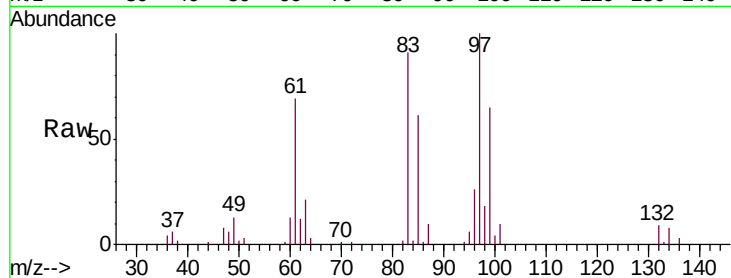




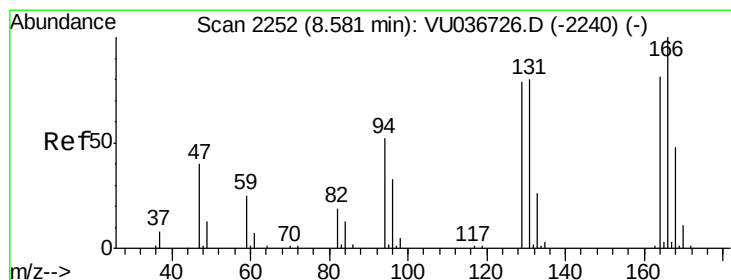
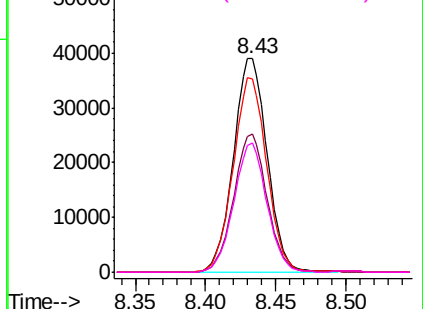
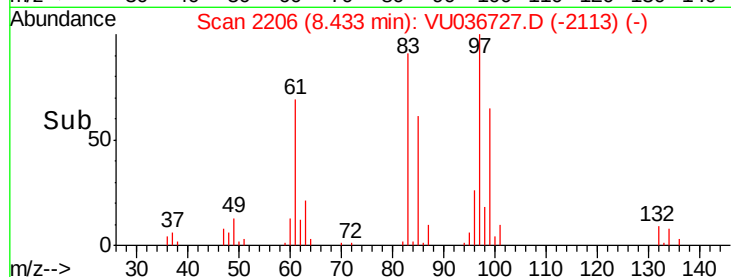
#45
 1,1,2-Trichloroethane
 Concen: 10.163 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion:	97	Resp:	65587
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.1	81.9
83	90.8	63.5	117.9
85	60.6	41.2	76.4

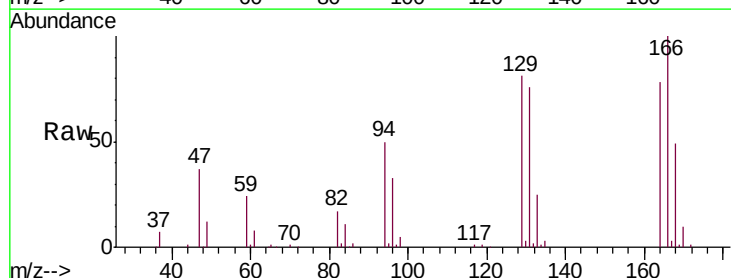


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

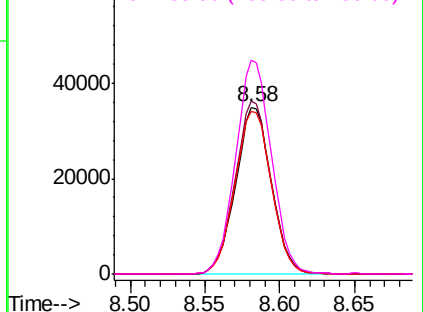
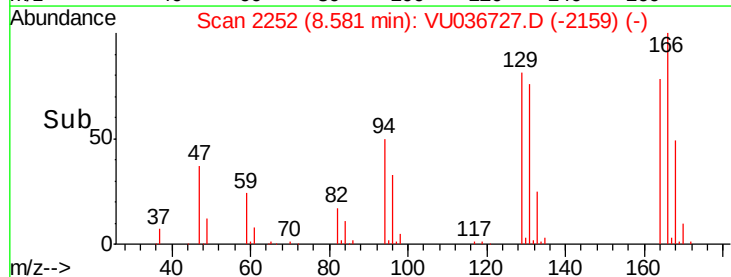


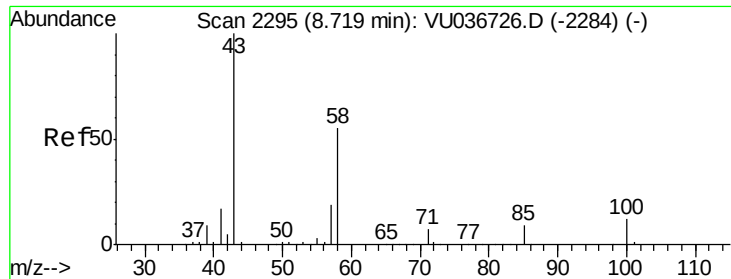
#47
 Tetrachloroethene
 Concen: 9.166 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion:	164	Resp:	58291
Ion	Ratio	Lower	Upper
164	100		
129	103.4	68.0	126.4
131	97.7	69.4	128.8
166	128.0	86.6	160.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

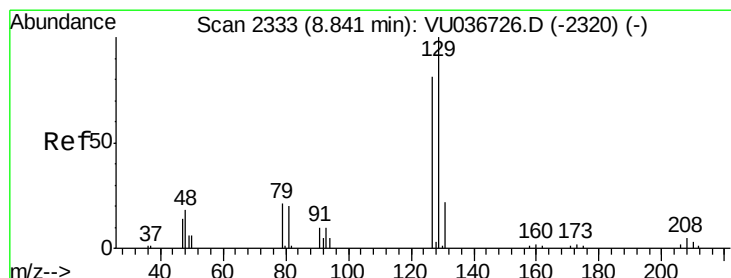
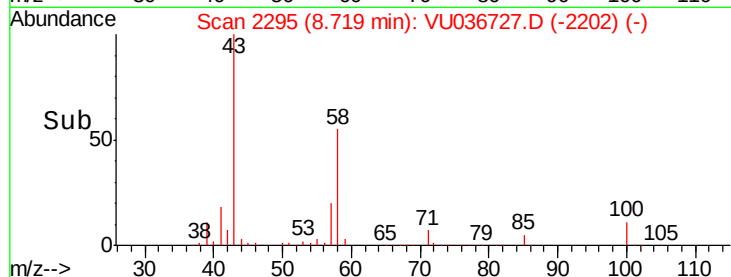
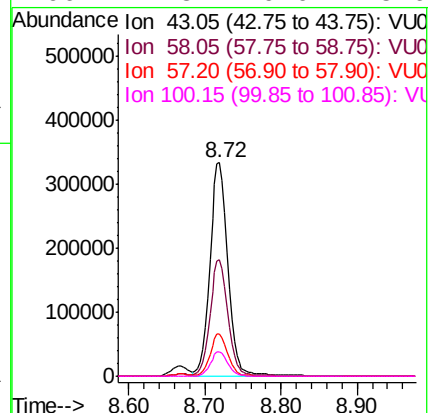
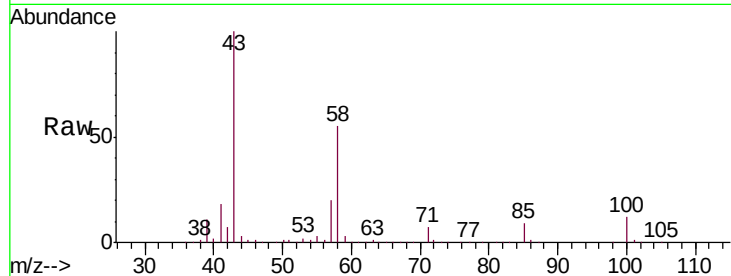




#48
2-Hexanone
Concen: 119.593 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

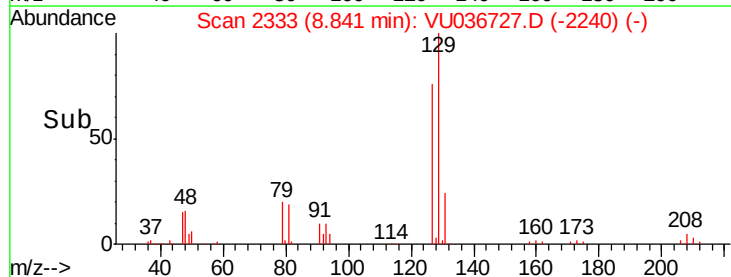
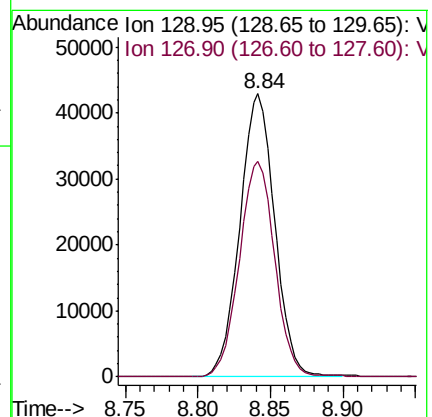
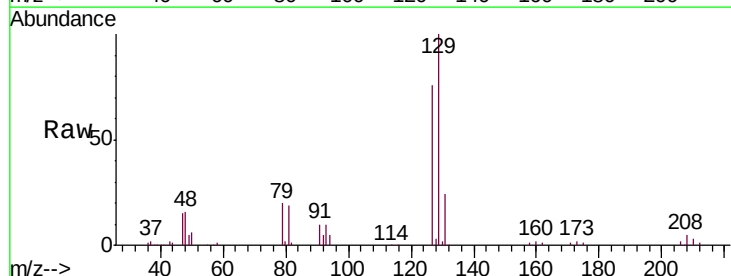
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

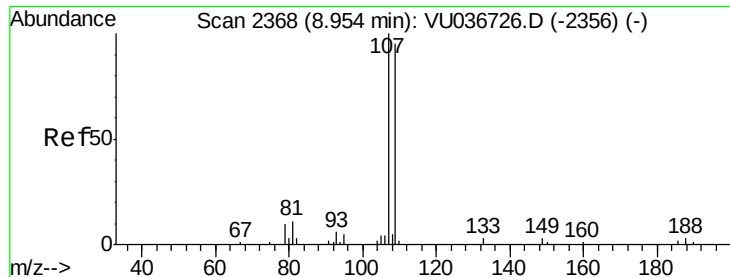
Tgt Ion: 43 Resp: 549845
Ion Ratio Lower Upper
43 100
58 54.7 43.6 65.4
57 19.2 15.0 22.4
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 8.731 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

Tgt Ion: 129 Resp: 71754
Ion Ratio Lower Upper
129 100
127 76.1 56.7 105.3





#50

1,2-Dibromoethane

Concen: 9.460 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

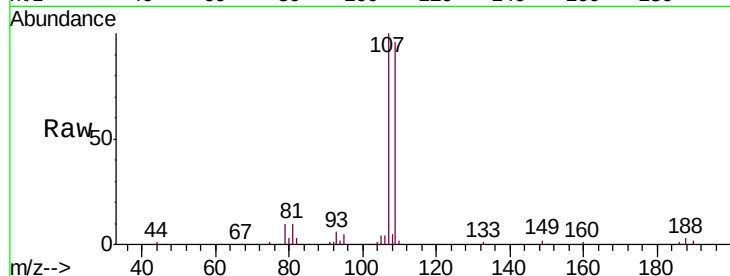
Tgt Ion:107 Resp: 60474

Ion Ratio Lower Upper

107 100

109 96.2 66.4 123.2

188 3.1 2.4 3.6

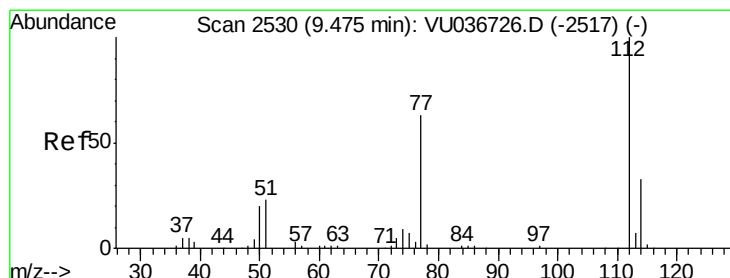
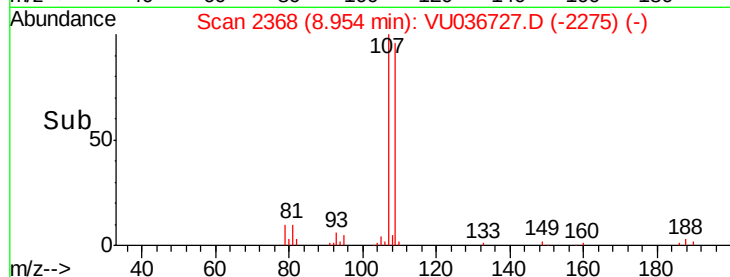
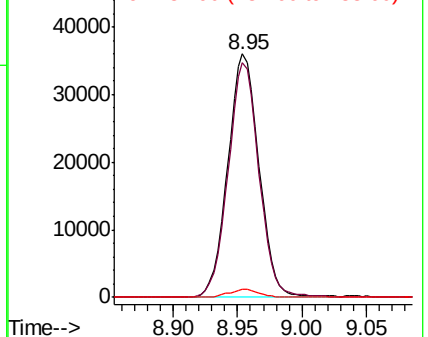


Abundance

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: 9.959 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

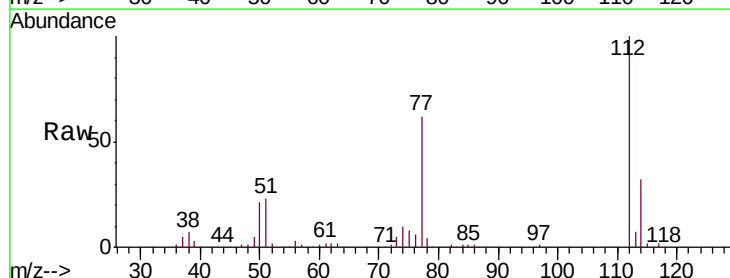
Tgt Ion:112 Resp: 233218

Ion Ratio Lower Upper

112 100

114 31.9 22.9 42.5

77 61.8 51.0 76.4

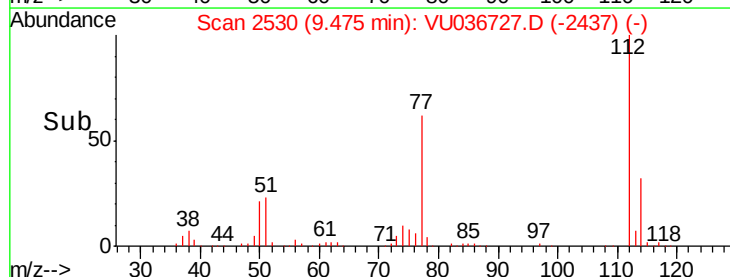
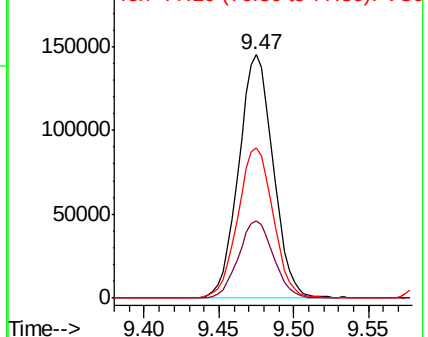


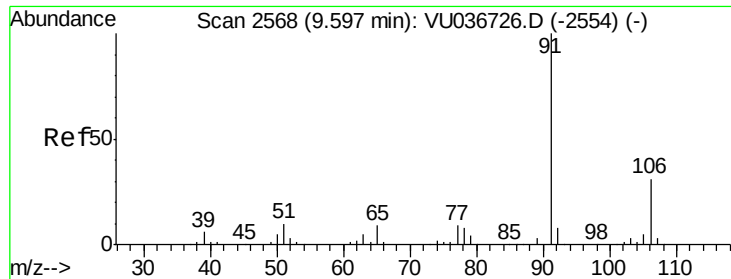
Abundance

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: 10.256 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

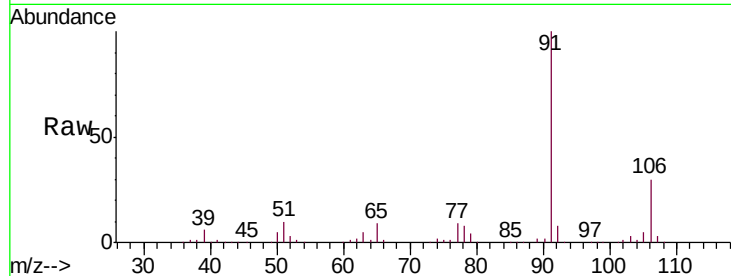
VSTD01001

Tgt Ion: 91 Resp: 428276

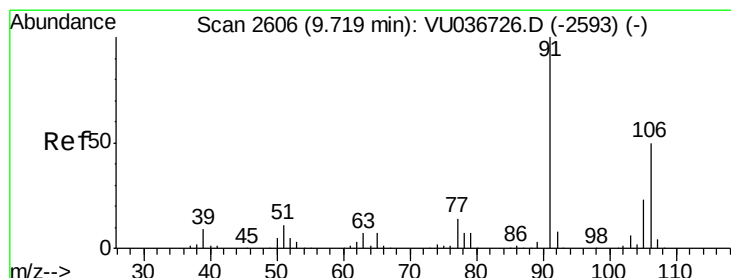
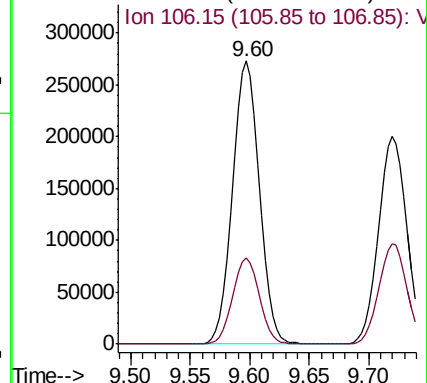
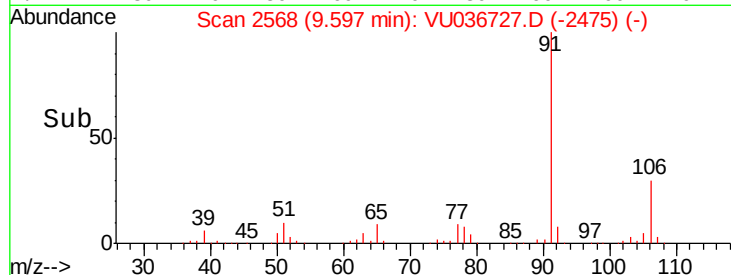
Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036727.D (-2475) (-)



#53

m,p-Xylene

Concen: 9.899 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036727.D

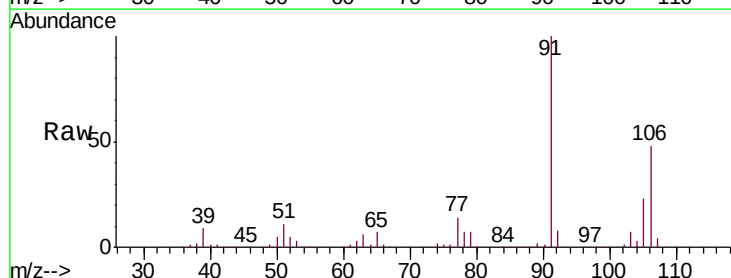
Acq: 11 Feb 2020 17:06

Tgt Ion: 106 Resp: 158546

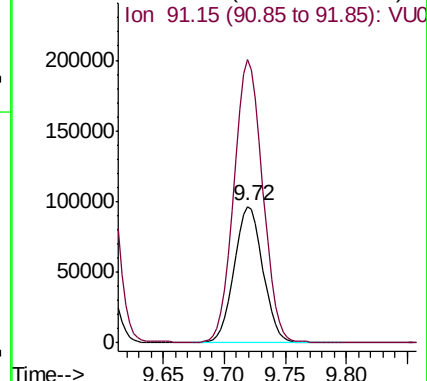
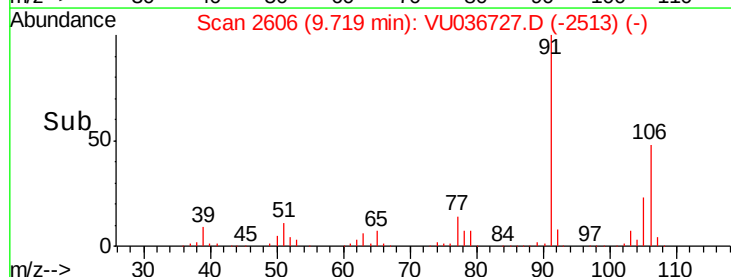
Ion Ratio Lower Upper

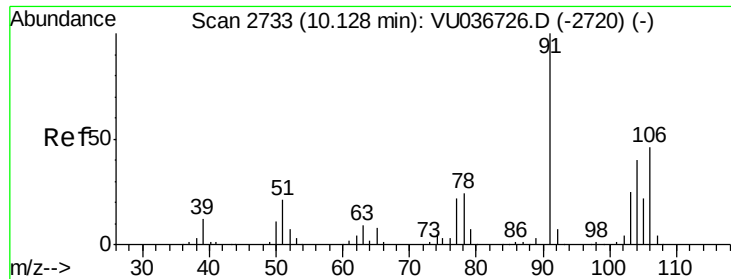
106 100

91 207.2 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036727.D (-2513) (-)

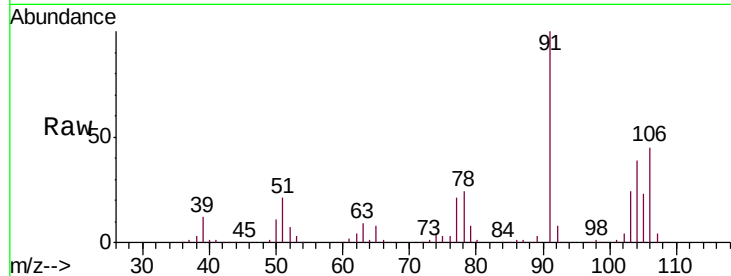




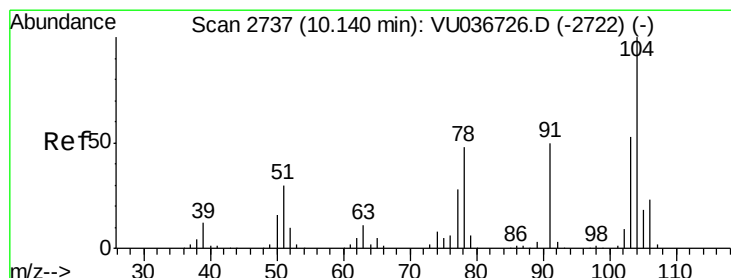
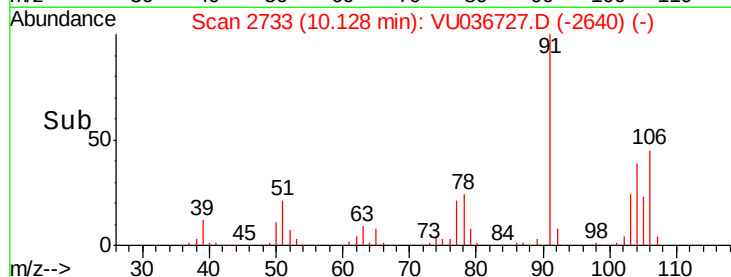
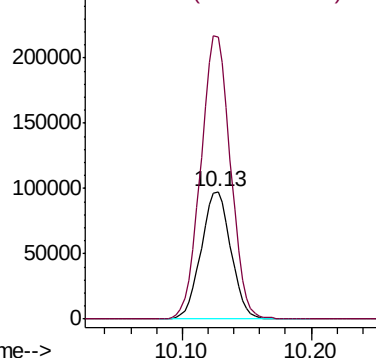
#54
o-Xylene
Concen: 10.020 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

Tgt Ion:106 Resp: 156285
Ion Ratio Lower Upper
106 100
91 221.9 151.1 280.5

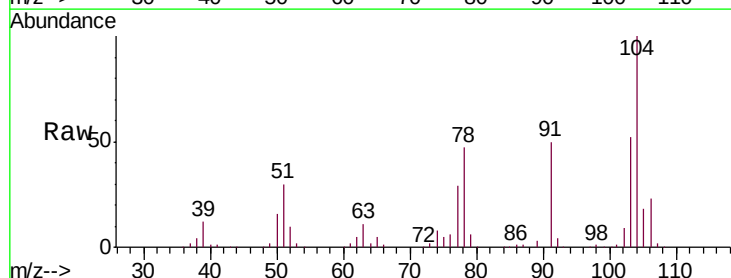


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

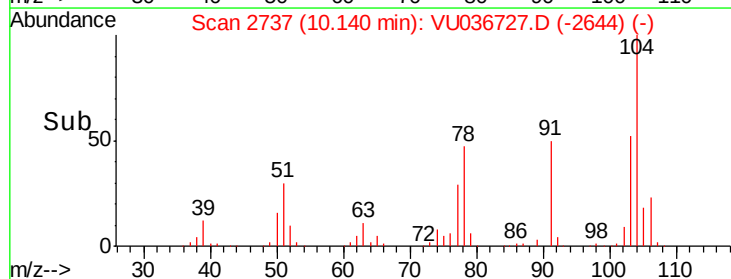
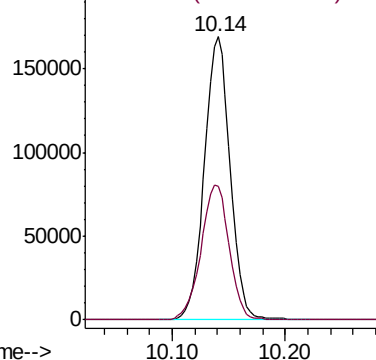


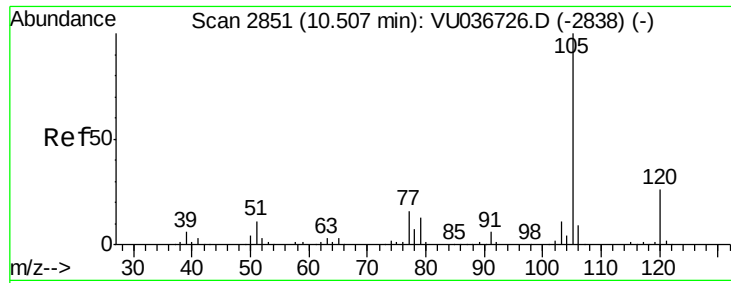
#55
Styrene
Concen: 10.143 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036727.D
Acq: 11 Feb 2020 17:06

Tgt Ion:104 Resp: 267991
Ion Ratio Lower Upper
104 100
78 47.2 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: 10.158 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

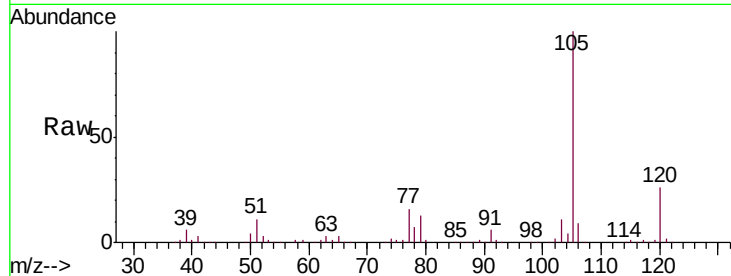
Tgt Ion: 105 Resp: 419874

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

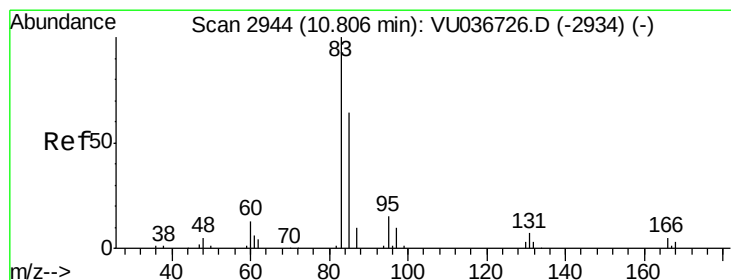
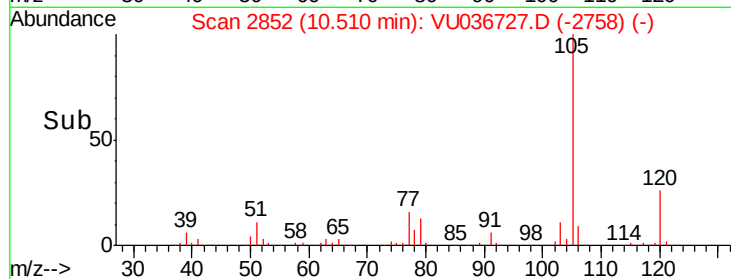
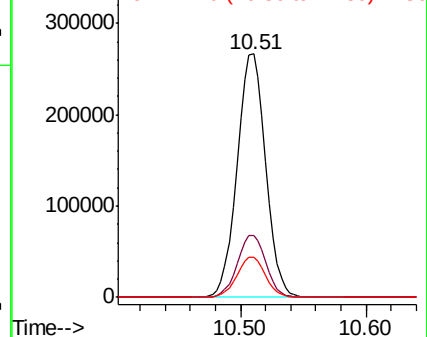
77 16.5 13.0 19.6



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: 10.237 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

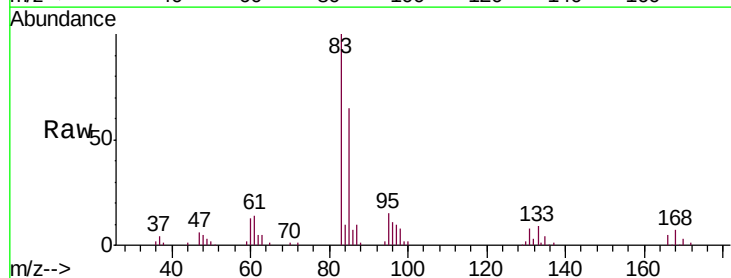
Tgt Ion: 83 Resp: 88929

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6

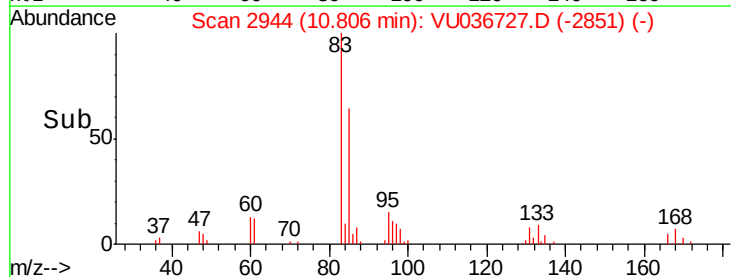
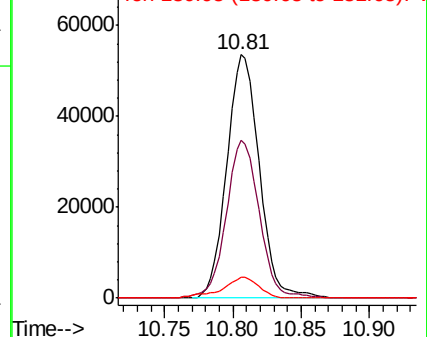
131 8.3 6.8 10.2

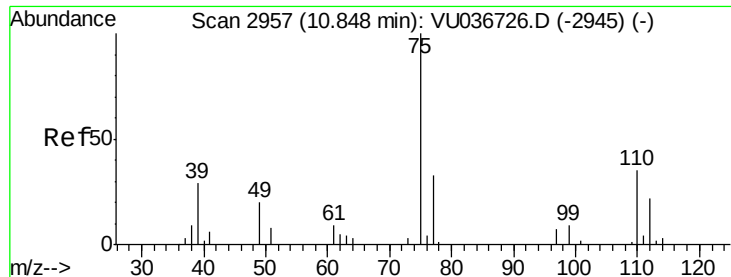


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.347 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

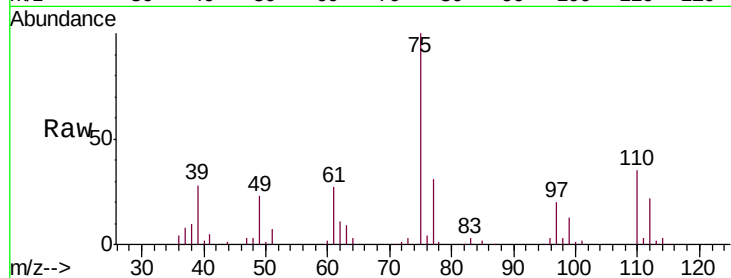
VSTD01001

Tgt Ion: 75 Resp: 63579

Ion Ratio Lower Upper

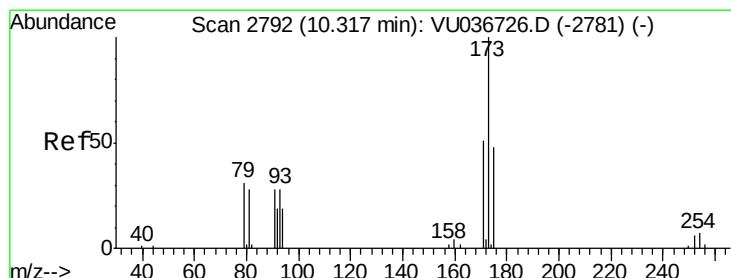
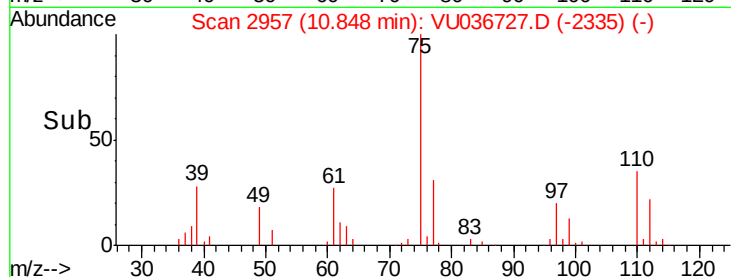
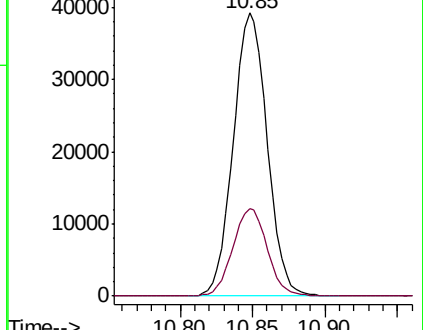
75 100

77 31.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036727.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036727.D (-2945) (-)



#61

Bromoform

Concen: 8.471 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

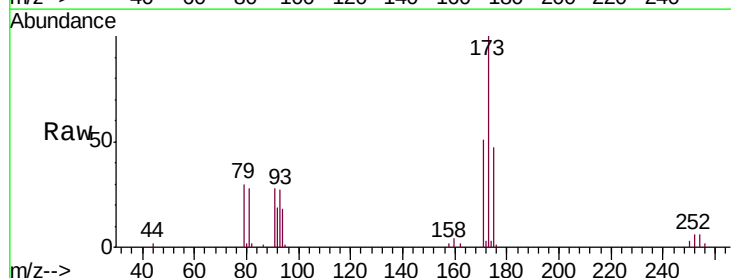
Tgt Ion: 173 Resp: 38857

Ion Ratio Lower Upper

173 100

175 46.4 39.9 59.9

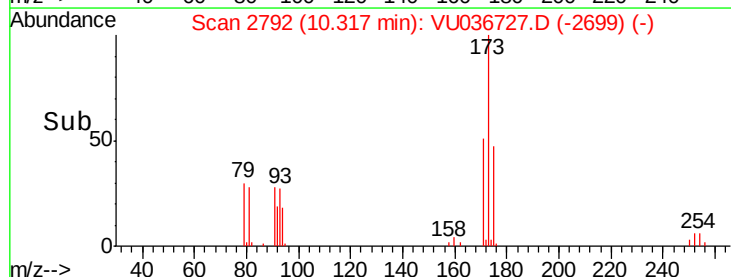
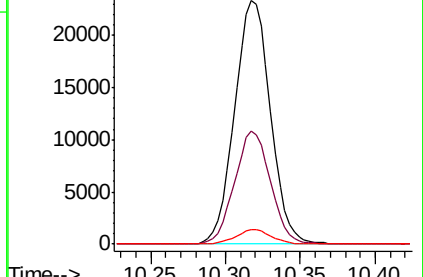
254 5.7 4.6 6.8

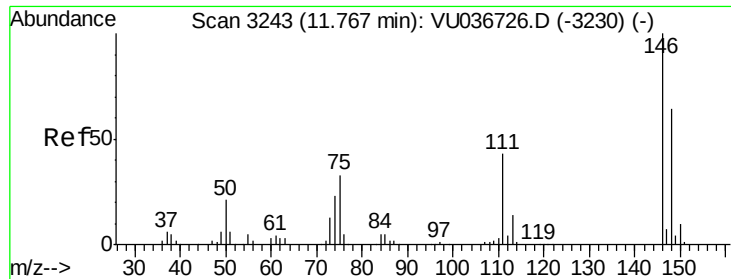


Abundance Ion 172.90 (172.60 to 173.60): VU036727.D (-2699) (-)

Ion 174.90 (174.60 to 175.60): VU036727.D (-2699) (-)

Ion 253.75 (253.45 to 254.45): VU036727.D (-2699) (-)

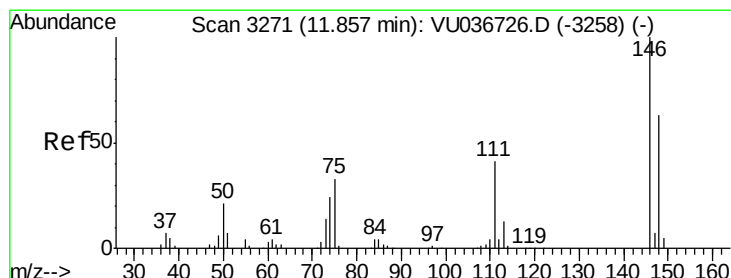
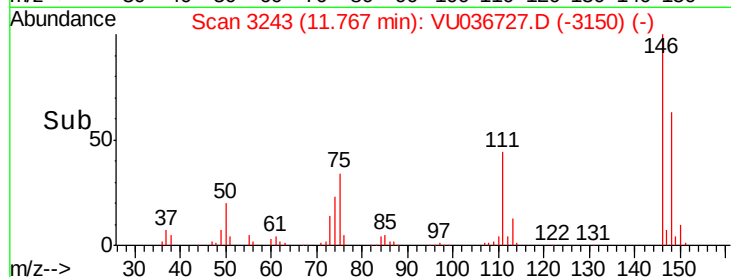
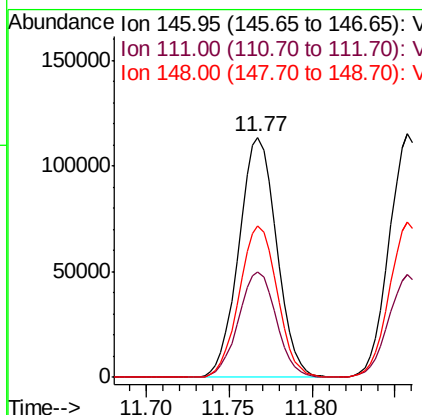
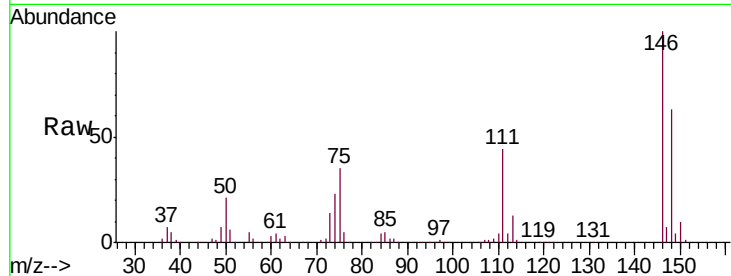




#62
 1,3-Dichlorobenzene
 Concen: 10.043 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

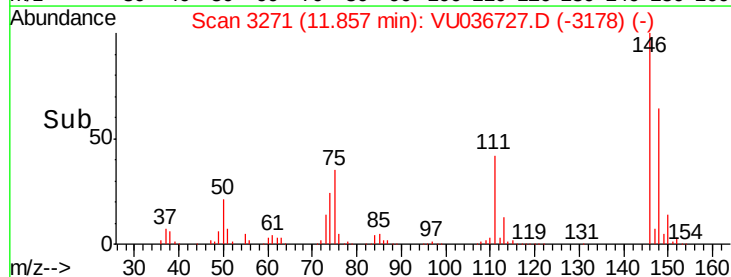
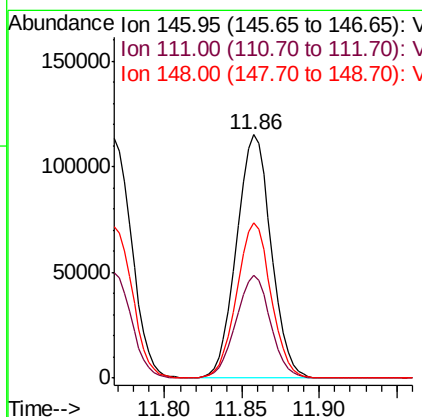
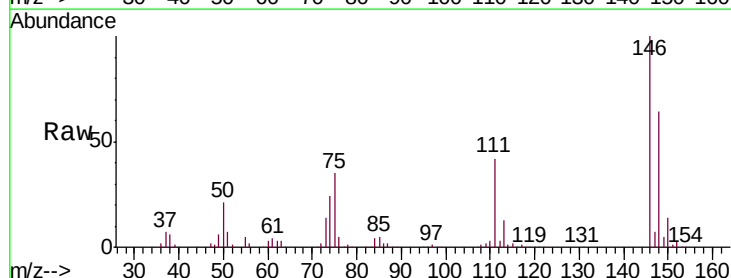
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

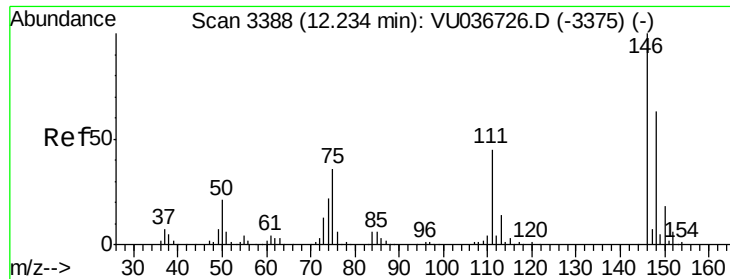
Tgt Ion:146 Resp: 180357
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.0 55.8
 148 62.9 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 10.064 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion:146 Resp: 179028
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.2 54.2
 148 63.8 44.3 82.3

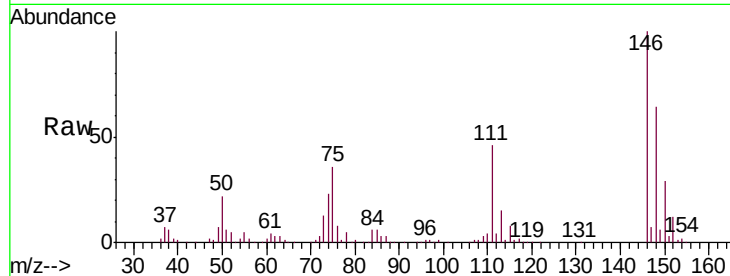




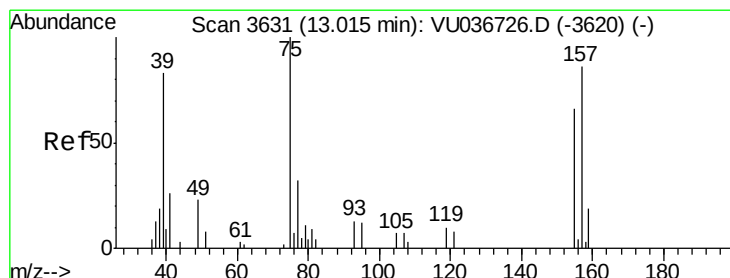
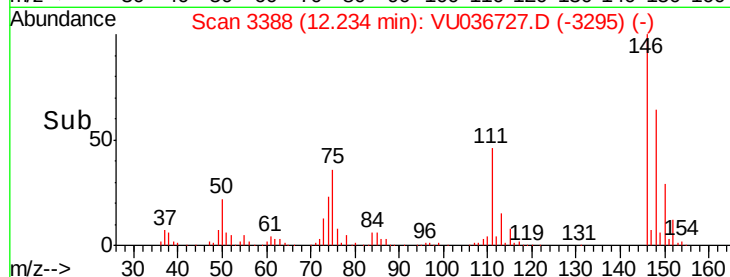
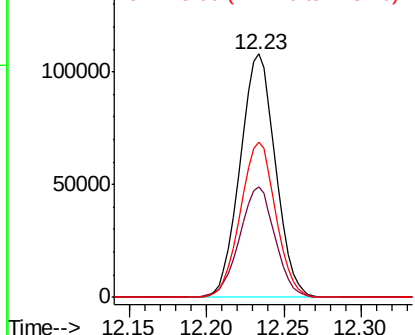
#65
 1,2-Dichlorobenzene
 Concen: 10.038 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion: 146 Resp: 171195
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.9 53.9
 148 64.0 50.4 75.6

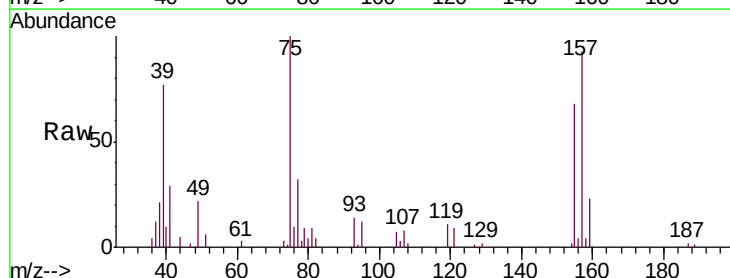


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

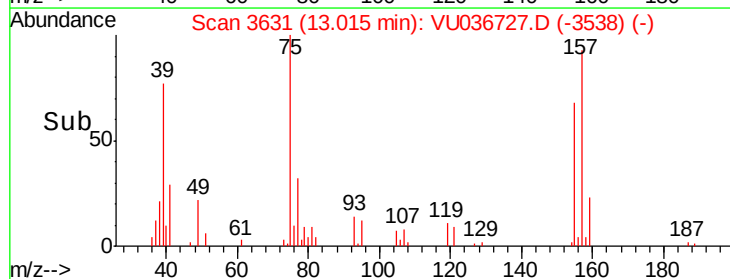
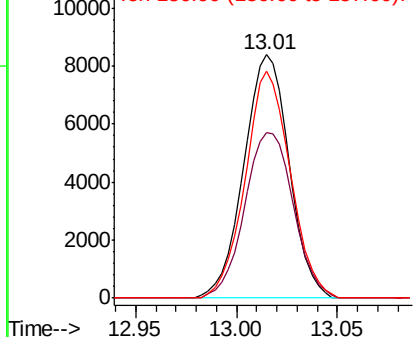


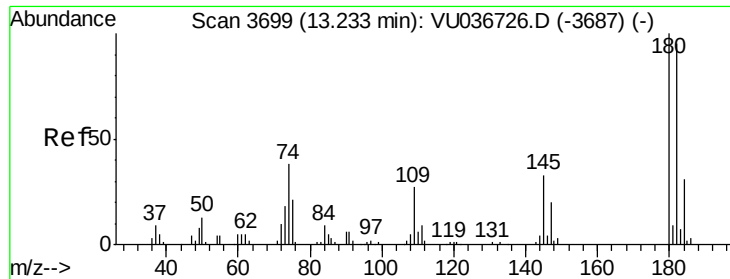
#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.718 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion: 75 Resp: 13188
 Ion Ratio Lower Upper
 75 100
 155 67.8 52.9 79.3
 157 93.1 69.2 103.8



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

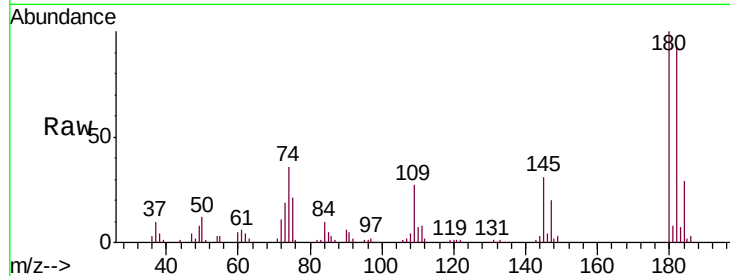




#67
 1,3,5-Trichlorobenzene
 Concen: 10.215 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
184	30.0	24.6	37.0
145	30.9	25.3	37.9



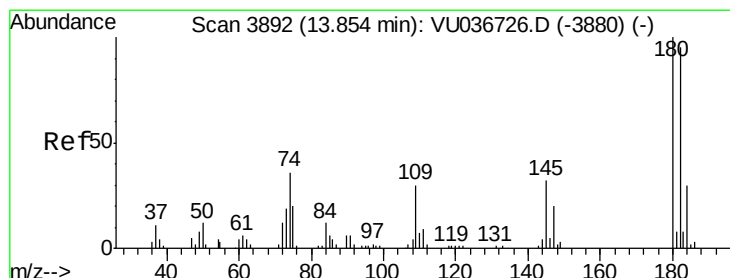
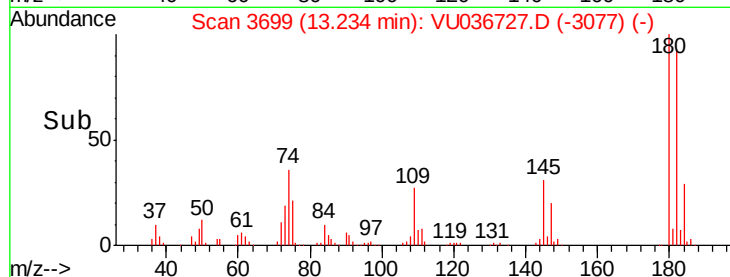
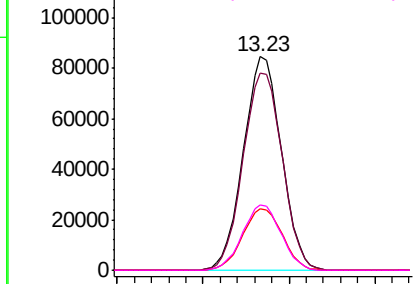
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

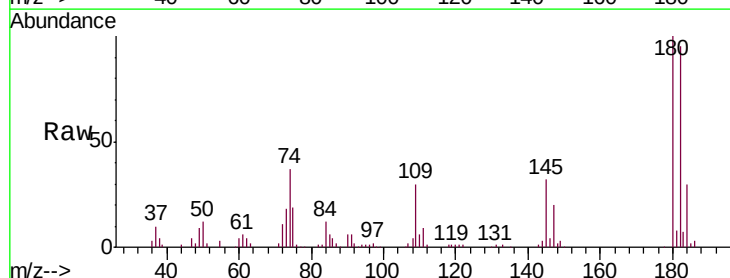
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.885 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036727.D
 Acq: 11 Feb 2020 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
145	32.2	26.5	39.7

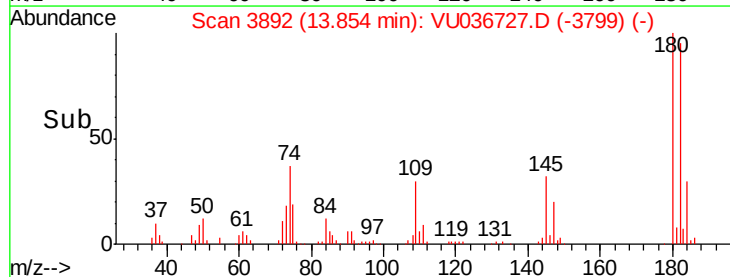
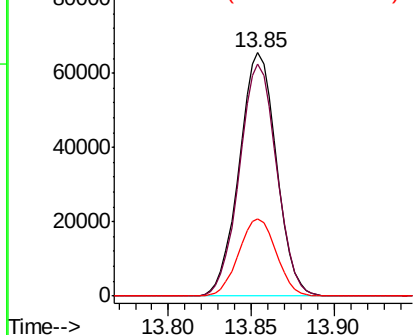


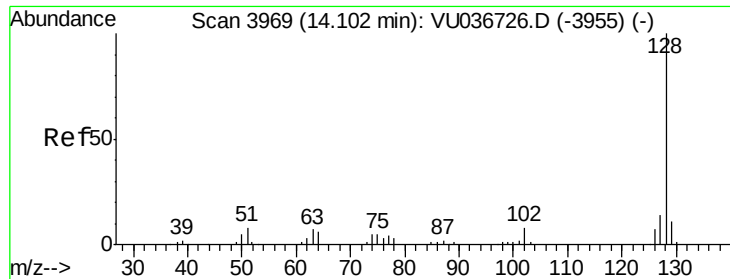
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.718 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

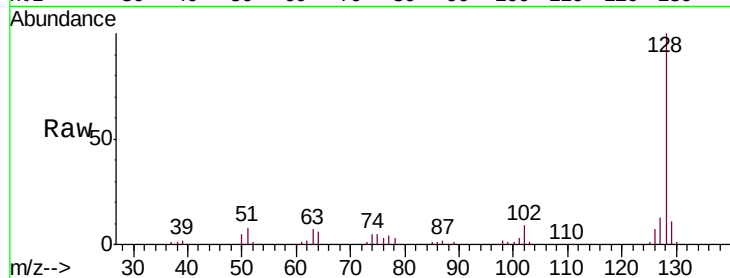
Tgt Ion:128 Resp: 195591

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

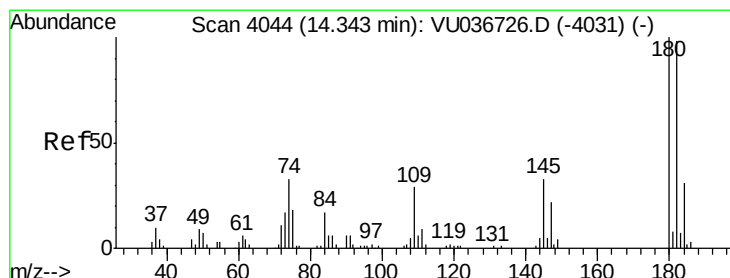
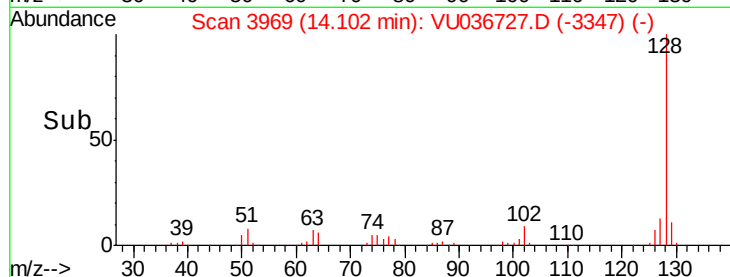
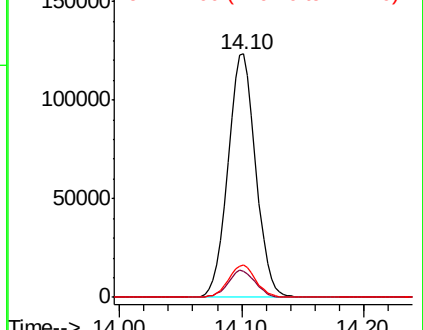
127 13.1 10.8 16.2



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: 10.156 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036727.D

Acq: 11 Feb 2020 17:06

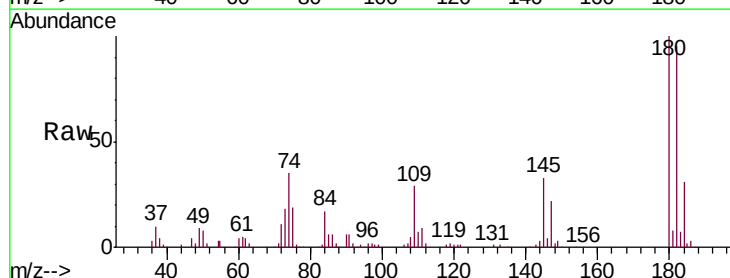
Tgt Ion:180 Resp: 91666

Ion Ratio Lower Upper

180 100

182 96.0 78.2 117.4

145 33.6 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

