

Data File : VU030344.D
Acq On : 23 Mar 2019 16:52
Operator : JC/SP
Sample : K2063-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R3

Quant Time: Mar 24 02:11:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	449118	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	437332	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218453	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165377	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.50%
7) Chloroethane-d5	1.66	69	129303	45.13	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.26%
11) 1,1-Dichloroethene-d2	2.27	63	288890	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
21) 2-Butanone-d5	4.17	46	308560	90.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.81%
24) Chloroform-d	4.64	84	281461	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.31	65	189655	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
32) Benzene-d6	5.34	84	587536	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
36) 1,2-Dichloropropane-d6	6.32	67	207056	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.50%
41) Toluene-d8	7.56	98	537331	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%
43) trans-1,3-Dichloropropene-	7.85	79	95002	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.31	63	229843	98.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300175	48.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	204007	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	173300	32.976	ug/L	98
8) Chloroethane	1.68	64	137133	46.221	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2501	0.763	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	94092	29.282	ug/L	90
13) Acetone	2.32	43	1857	0.540	ug/L	93
14) Carbon disulfide	2.47	76	490637	46.180	ug/L	99
15) Methyl Acetate	2.61	43	300539	57.121	ug/L #	100
16) Methylene chloride	2.70	84	111776	29.507	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	421474	37.806	ug/L	100
19) 1,1-Dichloroethane	3.44	63	138051	19.960	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	70522	18.653	ug/L	98
27) 1,2-Dichloroethane	5.40	62	283233	54.889	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	198128	36.999	ug/L	98
34) Trichloroethene	6.18	95	224630	61.379	ug/L	99
37) 1,2-Dichloropropane	6.43	63	97402	23.055	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	315964	44.524	ug/L	99
42) Toluene	7.63	91	432462	27.990	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.88	75	84043	15.729	ug/L	96
45) 1,1,2-Trichloroethane	8.06	97	133655	37.441	ug/L	98
46) Tetrachloroethene	8.22	164	87222	34.122	ug/L	97
48) 2-Hexanone	8.36	43	258266	44.405	ug/L	100
50) 1,2-Dibromoethane	8.58	107	141781	37.008	ug/L	98
51) Chlorobenzene	9.12	112	436377	46.602	ug/L	99
52) Ethylbenzene	9.25	91	948356	56.662	ug/L	100
53) m,p-Xylene	9.37	106	233800	38.687	ug/L	99
54) o-xylene	9.77	106	113620	19.269	ug/L	98
55) Styrene	9.79	104	328748	32.365	ug/L	93
56) Isopropylbenzene	10.16	105	596987	38.235	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	425696	64.704	ug/L	98
59) 1,2,3-Trichloropropane	10.45	75	25132	4.887	ug/L #	1
61) Bromoform	9.95	173	50231	17.294	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	131731	18.439	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	266430	36.226	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	399846	55.352	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	108411	67.401	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	244523	45.721	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2933	0.631	ug/L #	94
69) Naphthalene	13.75	128	14598	0.883	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	161979	33.010	ug/L	100

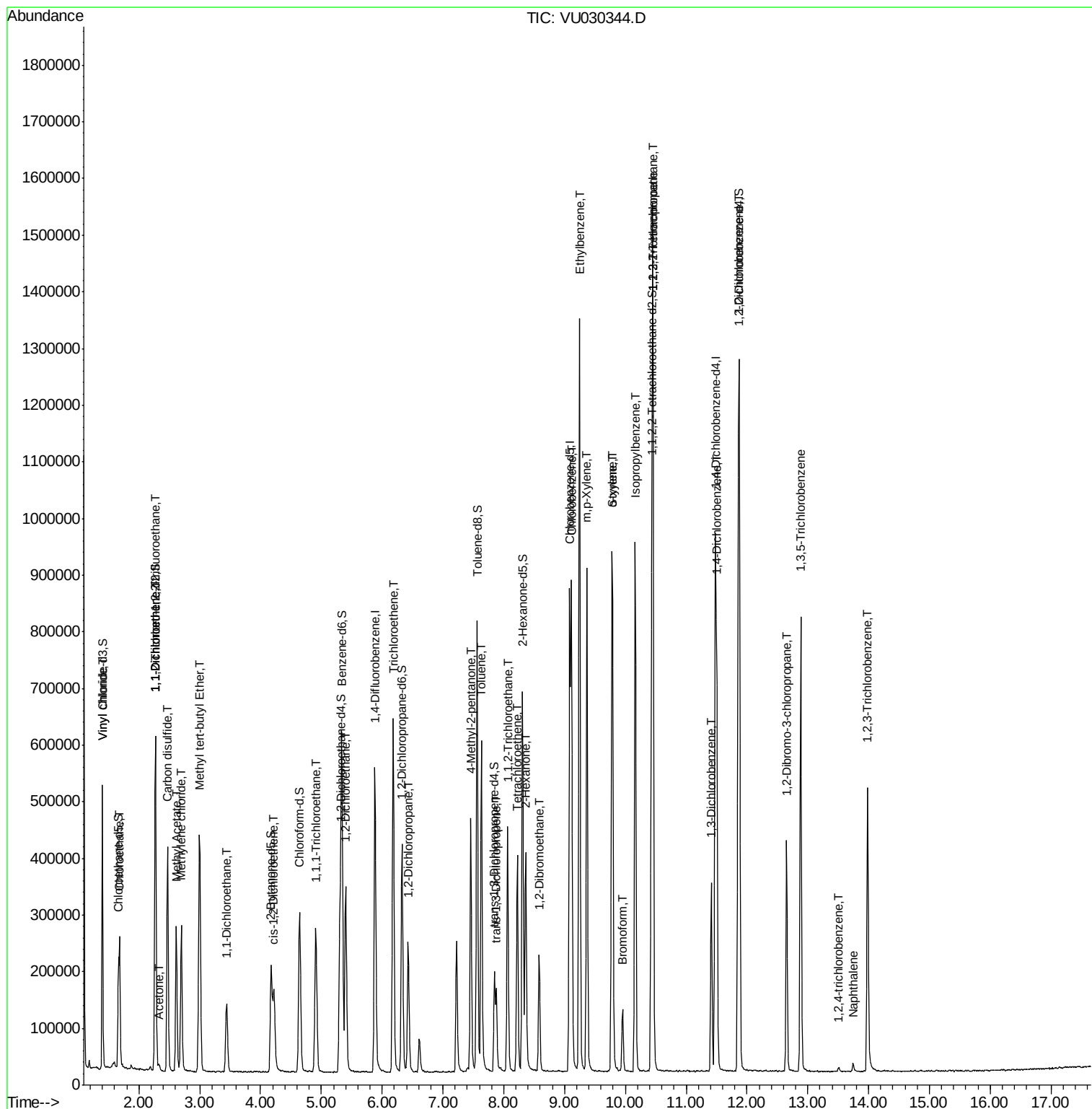
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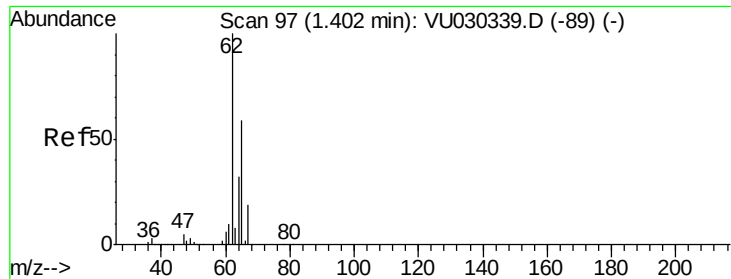
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#5

Vinyl chloride

Concen: 32.976 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

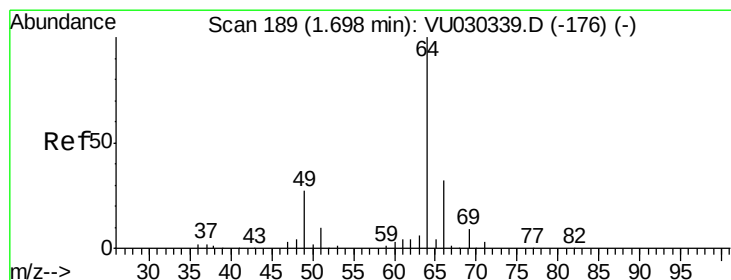
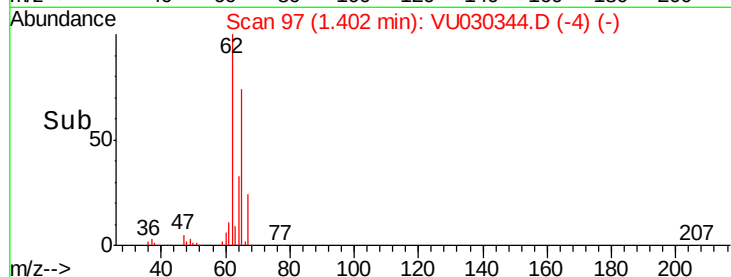
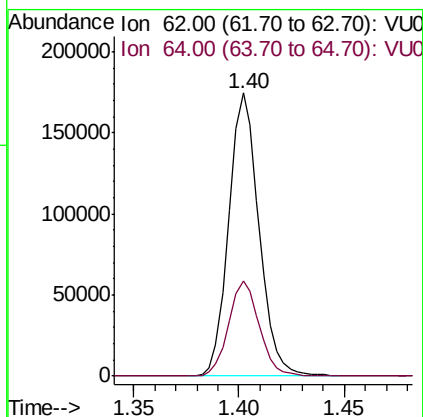
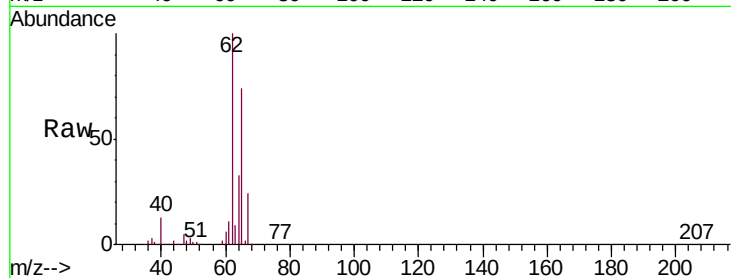
DB6R3

Tgt Ion: 62 Resp: 173300

Ion Ratio Lower Upper

62 100

64 33.5 22.6 42.0



#8

Chloroethane

Concen: 46.221 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.02 min

Lab File: VU030344.D

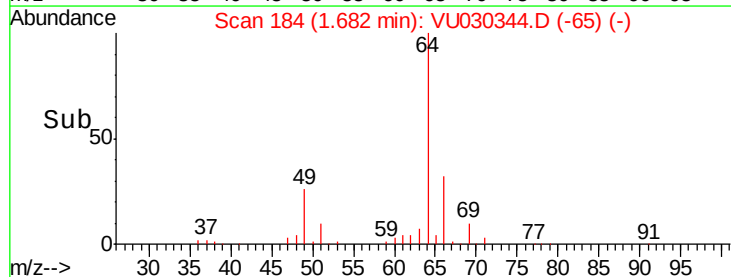
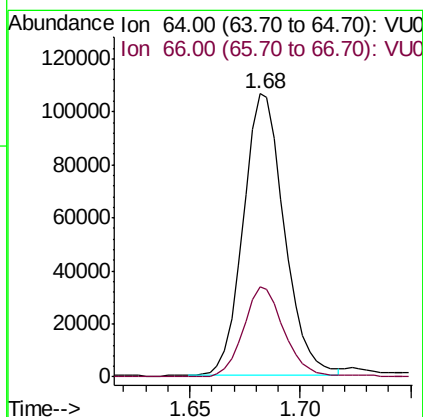
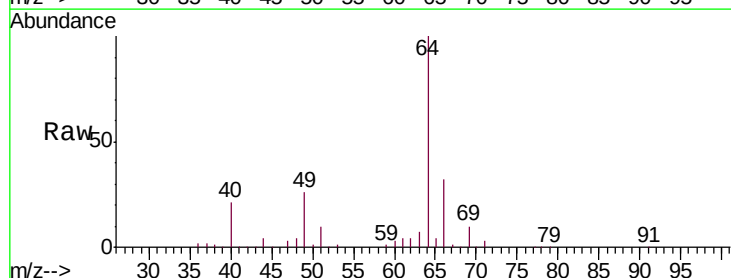
Acq: 23 Mar 2019 16:52

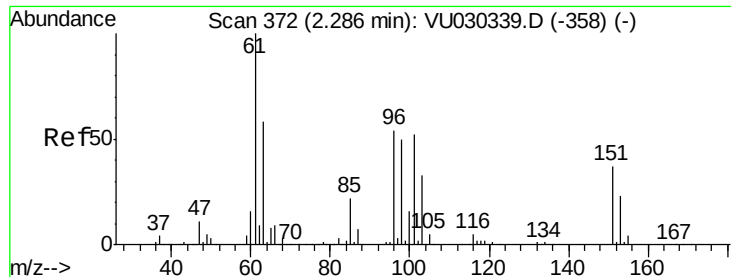
Tgt Ion: 64 Resp: 137133

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7





#10

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

Concen: 0.763 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

DB6R3

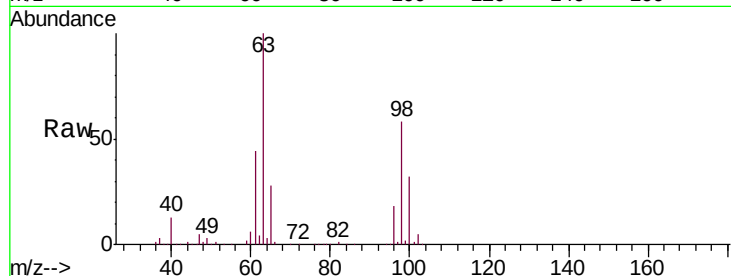
Tgt Ion: 101 Resp: 2501

Ion Ratio Lower Upper

101 100

85 4.7 34.8 52.2#

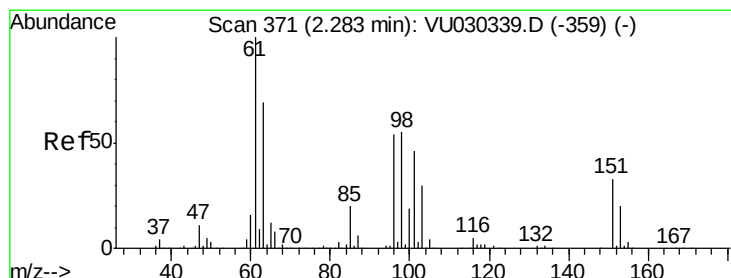
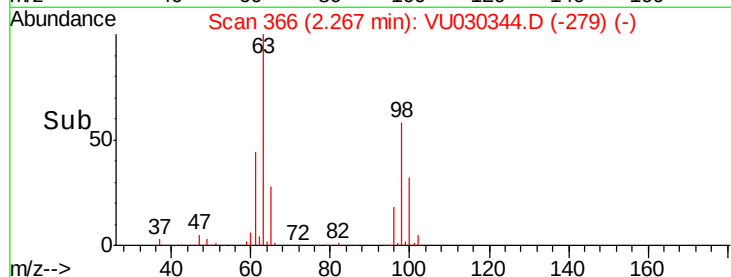
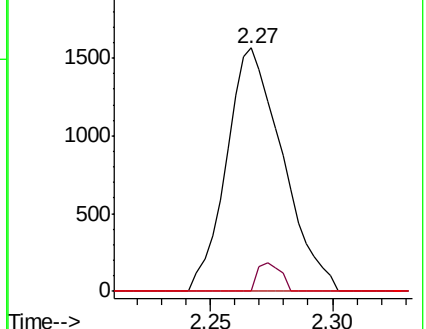
151 0.0 56.6 85.0#



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: 29.282 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

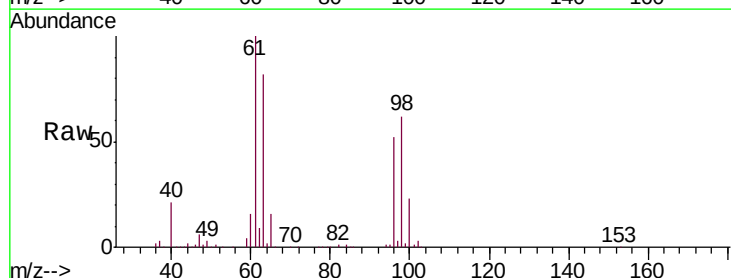
Tgt Ion: 96 Resp: 94092

Ion Ratio Lower Upper

96 100

61 191.0 131.0 243.4

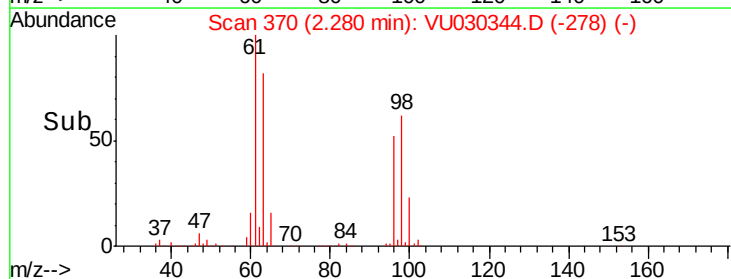
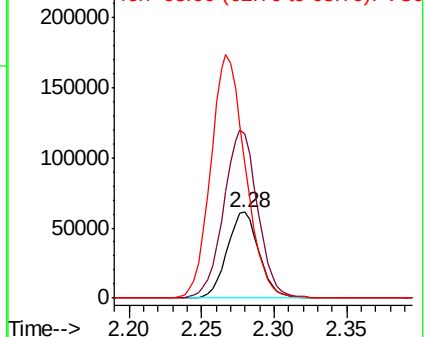
63 157.3 92.4 171.6

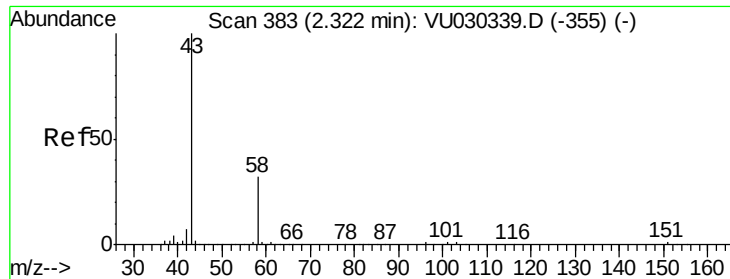


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.540 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

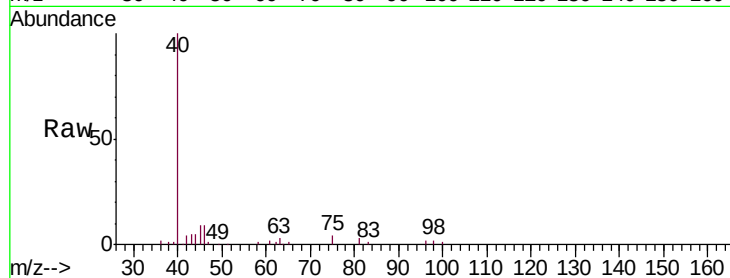
DB6R3

Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

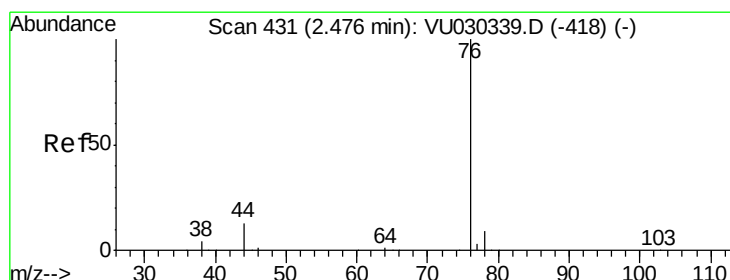
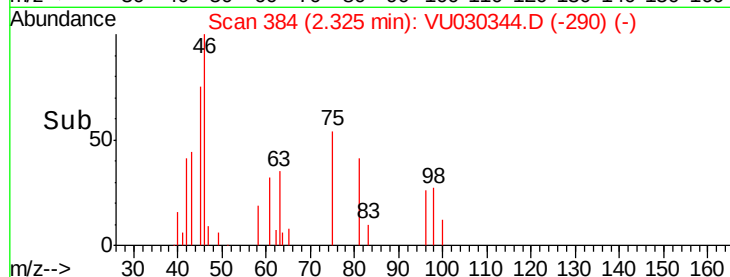
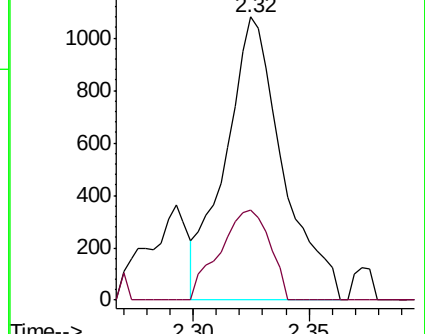
43 100

58 27.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030339.D (-355) (-)

Ion 58.00 (57.70 to 58.70): VU030339.D (-355) (-)



#14

Carbon disulfide

Concen: 46.180 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030344.D

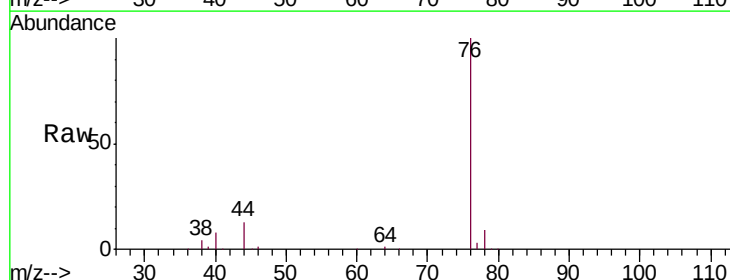
Acq: 23 Mar 2019 16:52

Tgt Ion: 76 Resp: 490637

Ion Ratio Lower Upper

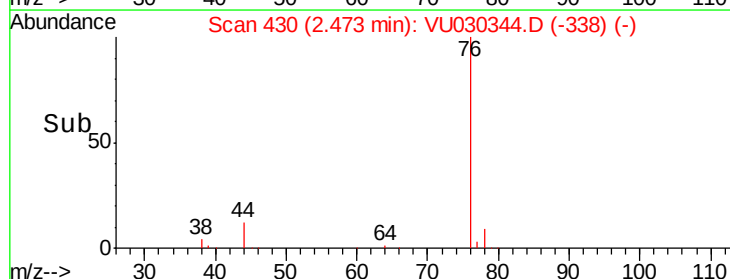
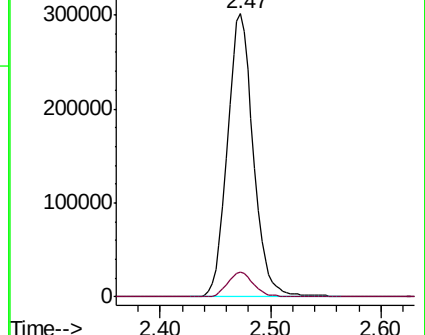
76 100

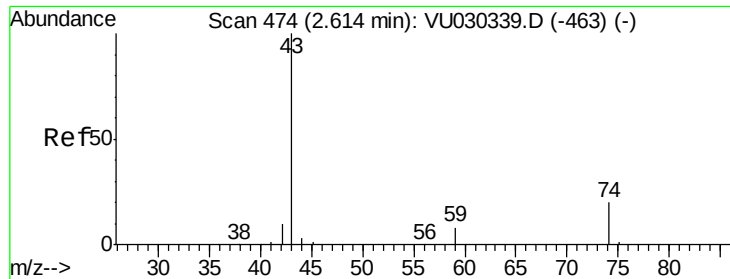
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030339.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030339.D (-418) (-)

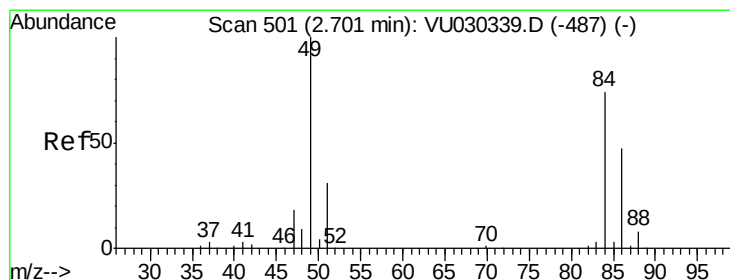
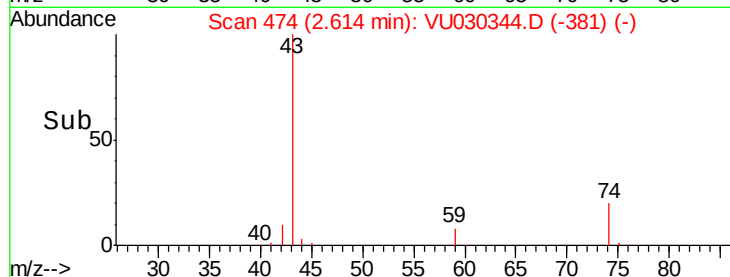
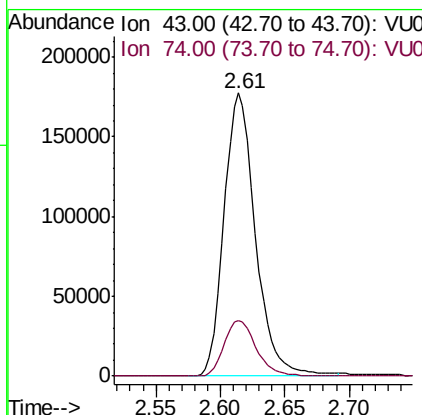
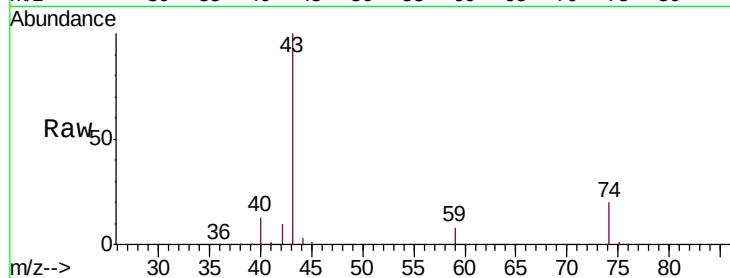




#15
Methyl Acetate
Concen: 57.121 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

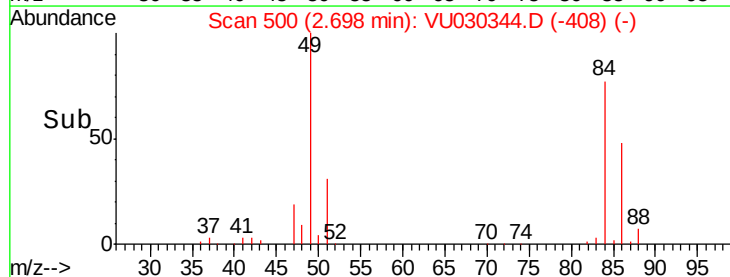
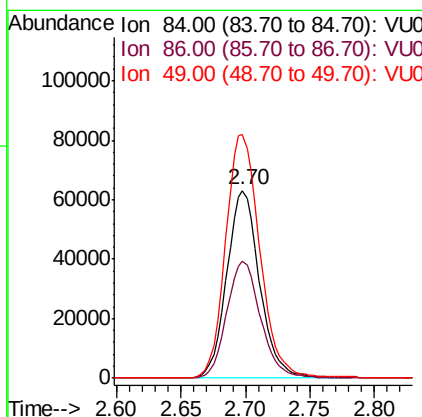
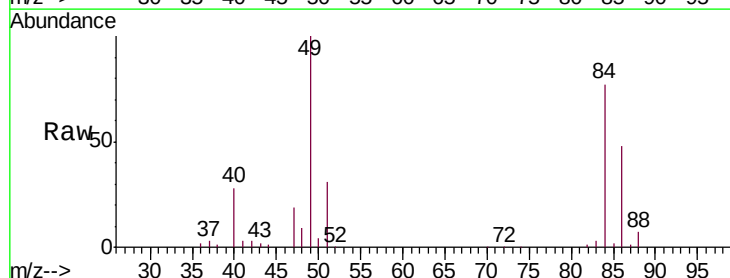
Instrument :
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ClientSampleId :
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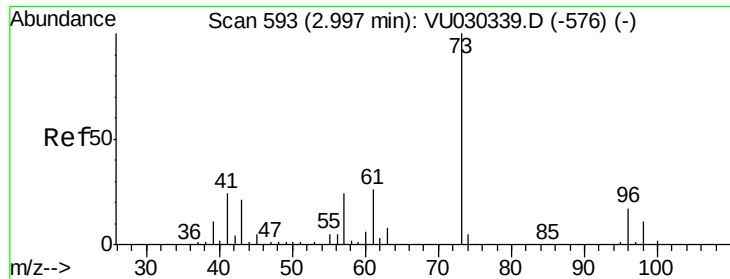
Tgt Ion: 43 Resp: 300539
Ion Ratio Lower Upper
43 100
74 19.9 0.0 0.0#



#16
Methylene chloride
Concen: 29.507 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion: 84 Resp: 111776
Ion Ratio Lower Upper
84 100
86 62.1 44.3 82.3
49 129.7 94.9 176.3

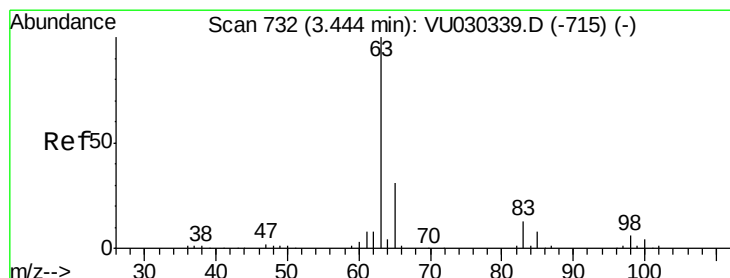
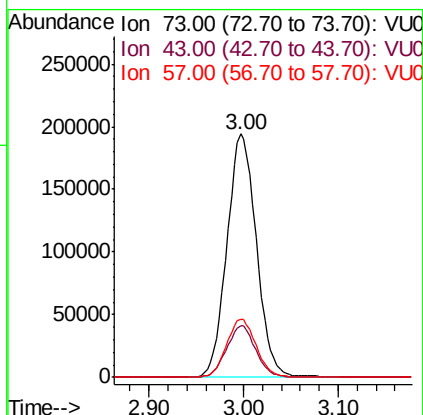
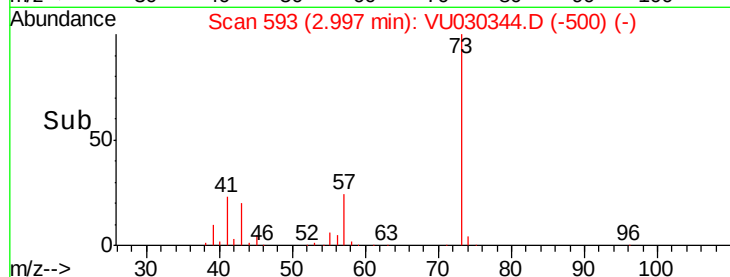
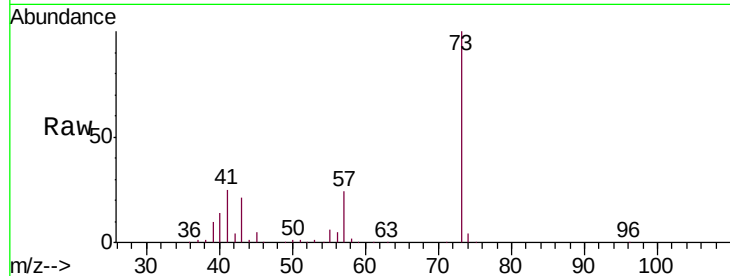




#18
Methyl tert-butyl Ether
Concen: 37.806 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

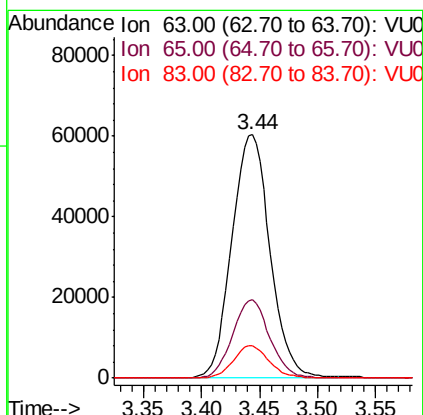
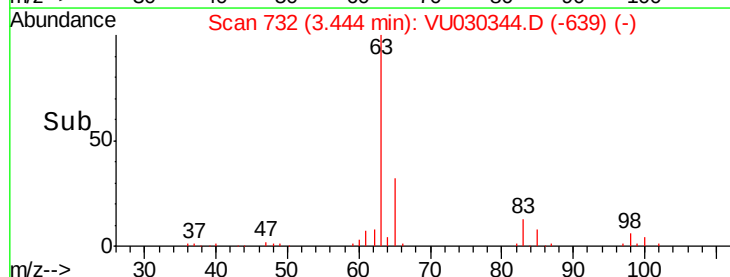
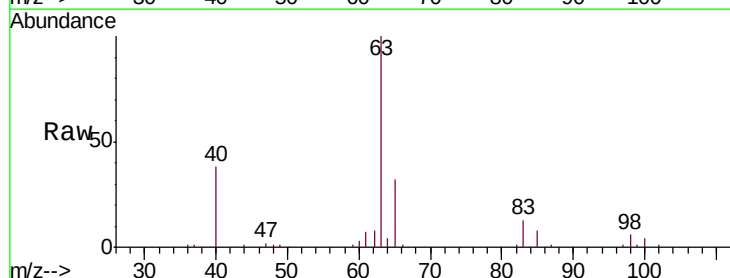
Instrument :
MSVOA_U
ClientSampled :
DB6R3

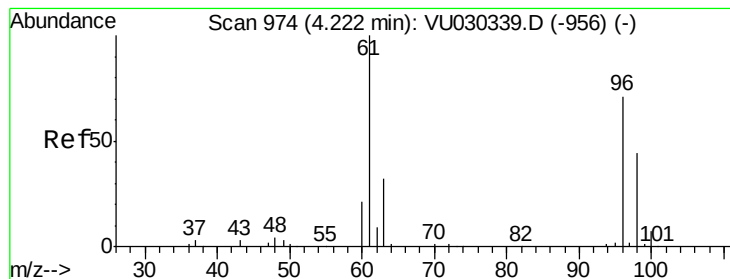
Tgt Ion: 73 Resp: 421474
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8
57 24.0 18.9 28.3



#19
1,1-Dichloroethane
Concen: 19.960 ug/L
RT: 3.44 min Scan# 732
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion: 63 Resp: 138051
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 13.2 9.1 16.9



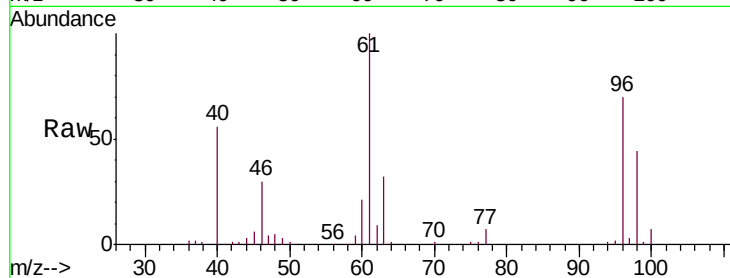


#20

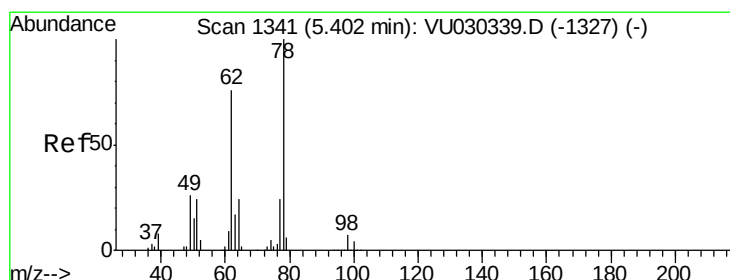
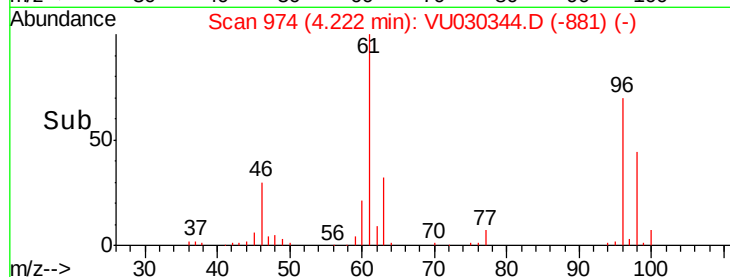
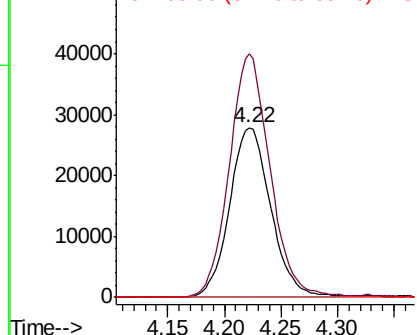
cis-1,2-Dichloroethene
 Concen: 18.653 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Instrument :
 MSVOA_U
 ClientSampled :
 DB6R3

Tgt Ion: 96 Resp: 70522
 Ion Ratio Lower Upper
 96 100
 61 143.3 98.4 182.8
 68 0.0 0.0 0.0



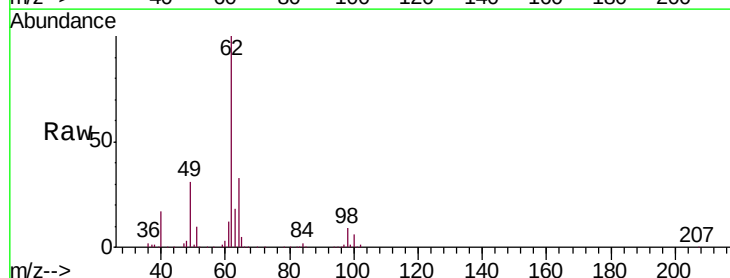
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



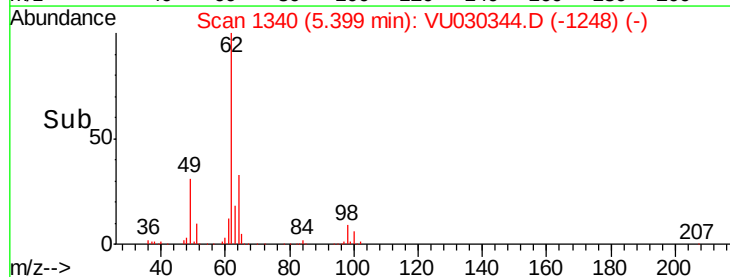
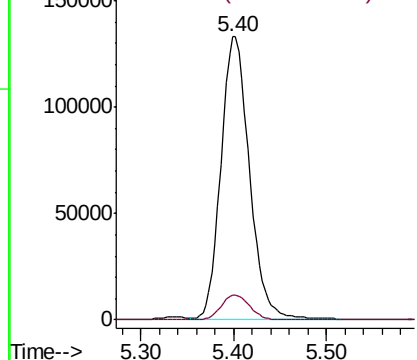
#27

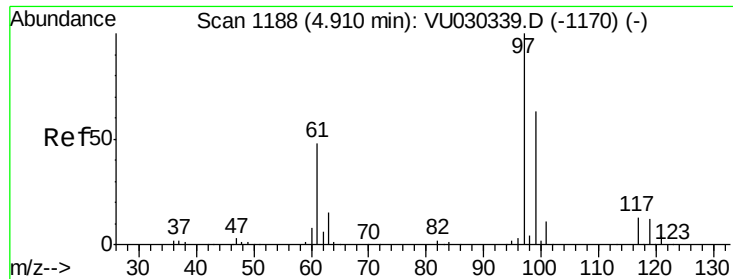
1,2-Dichloroethane
 Concen: 54.889 ug/L
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Tgt Ion: 62 Resp: 283233
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

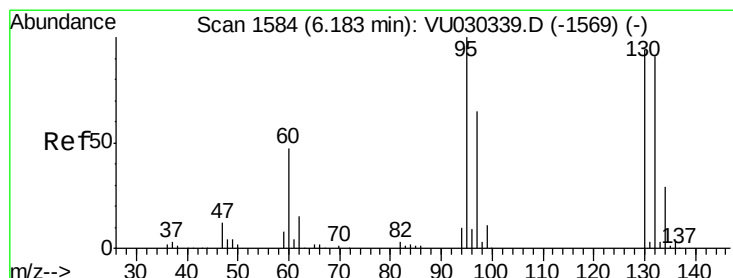
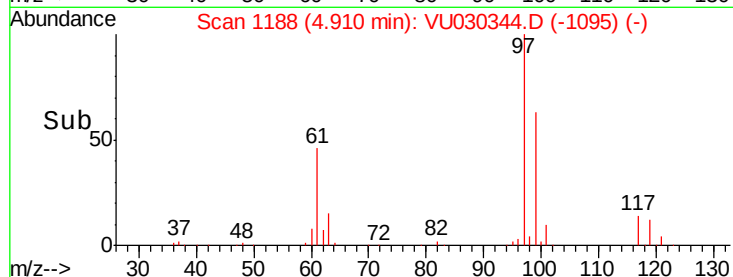
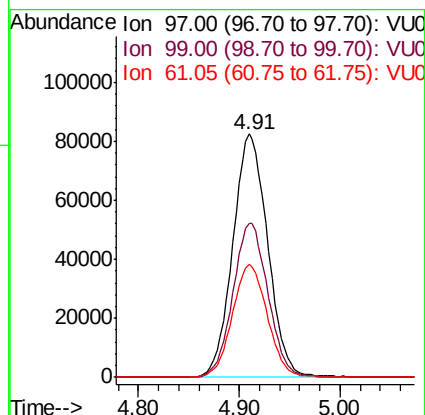
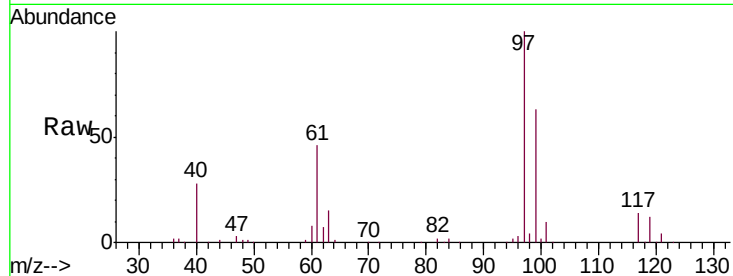




#30
 1,1,1-Trichloroethane
 Concen: 36.999 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

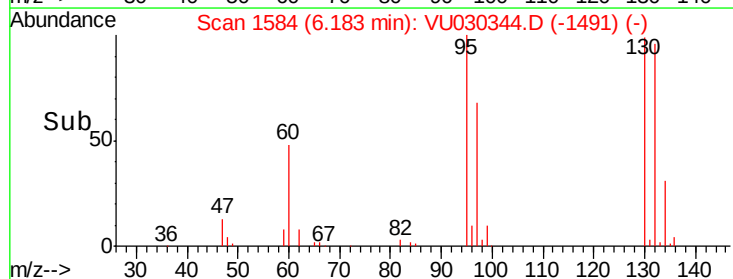
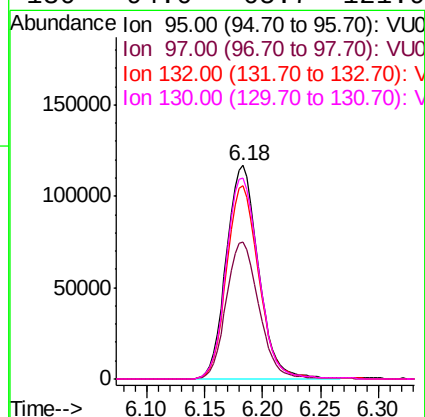
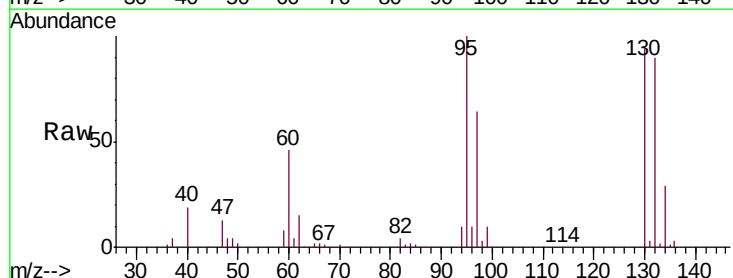
Instrument :
 MSVOA_U
 ClientSampled :
 DB6R3

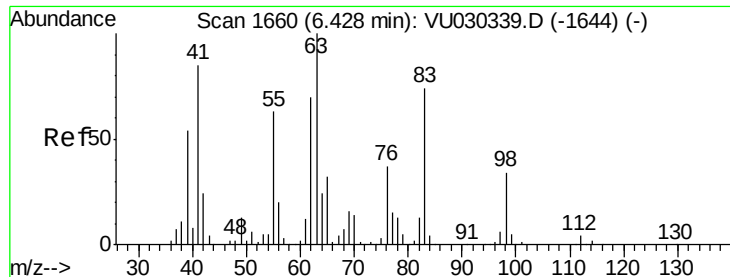
Tgt Ion: 97 Resp: 198128
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.6
 61 46.7 38.2 57.4



#34
 Trichloroethene
 Concen: 61.379 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Tgt Ion: 95 Resp: 224630
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.7 84.9
 132 90.3 63.8 118.4
 130 94.0 65.7 121.9





#37

1,2-Dichloropropane

Concen: 23.055 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampled :

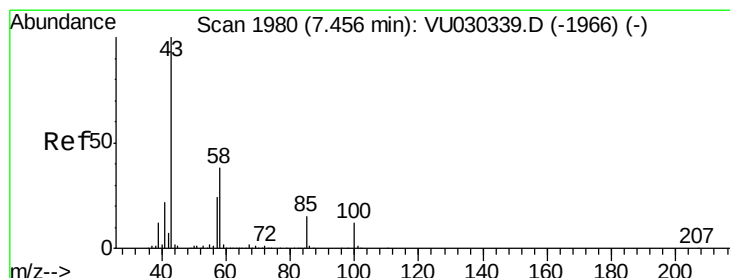
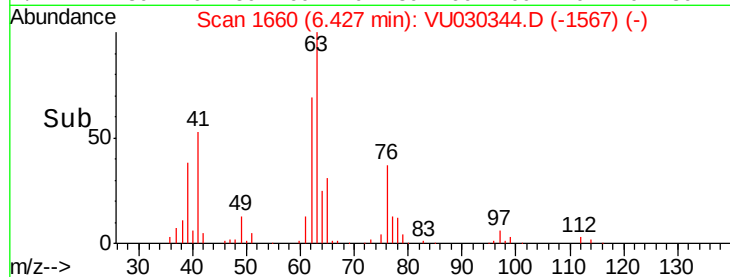
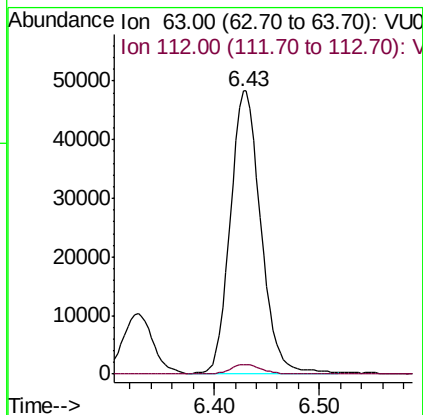
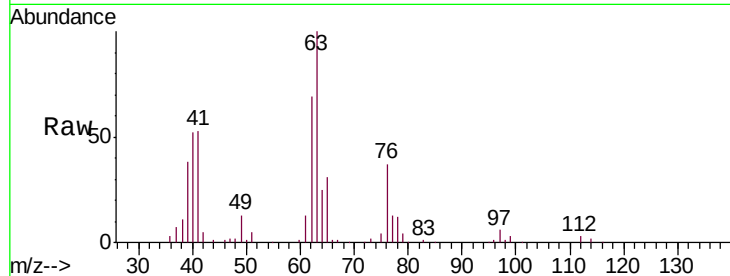
DB6R3

Tgt Ion: 63 Resp: 97402

Ion Ratio Lower Upper

63 100

112 3.4 2.6 4.0



#40

4-Methyl-2-pentanone

Concen: 44.524 ug/L

RT: 7.46 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

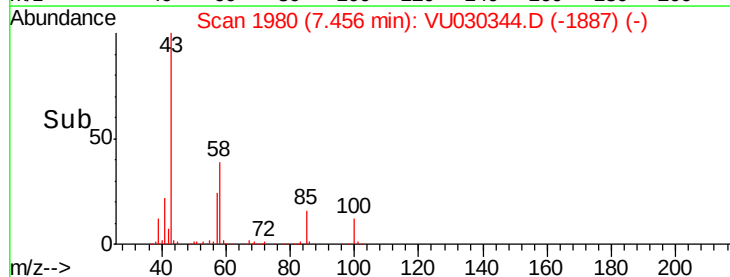
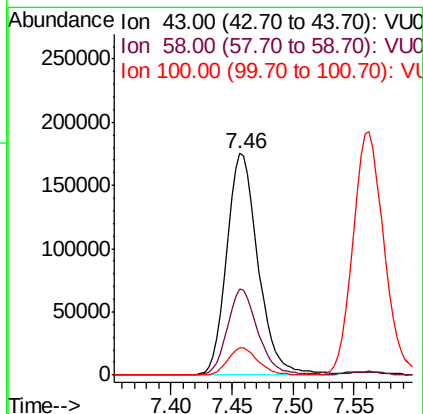
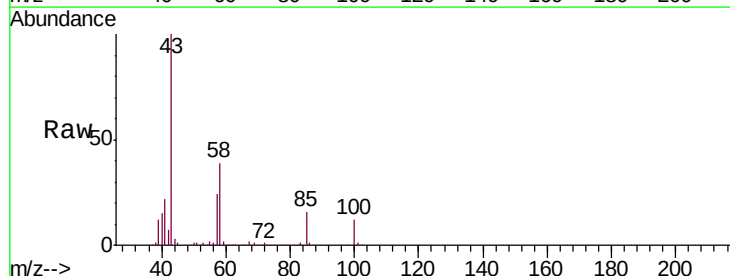
Tgt Ion: 43 Resp: 315964

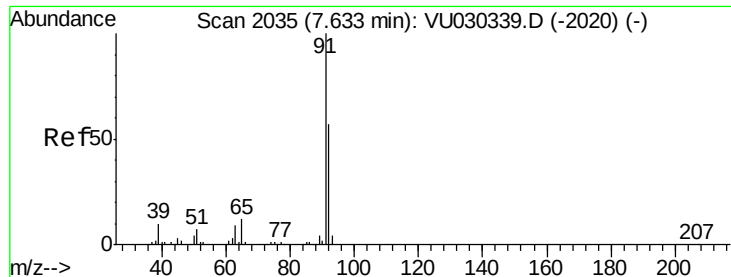
Ion Ratio Lower Upper

43 100

58 37.8 30.6 45.8

100 12.1 9.5 14.3





#42

Toluene

Concen: 27.990 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

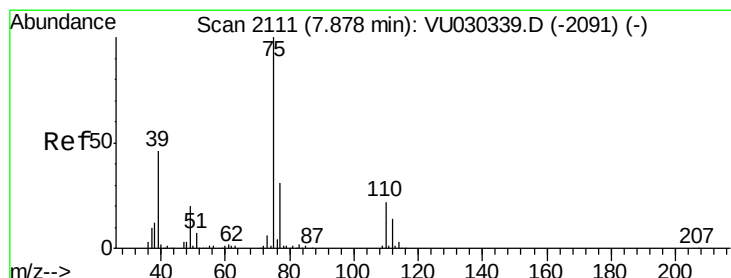
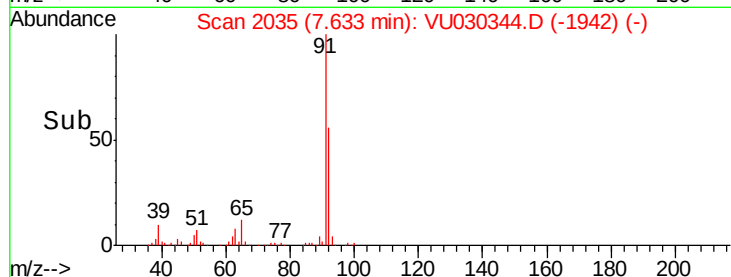
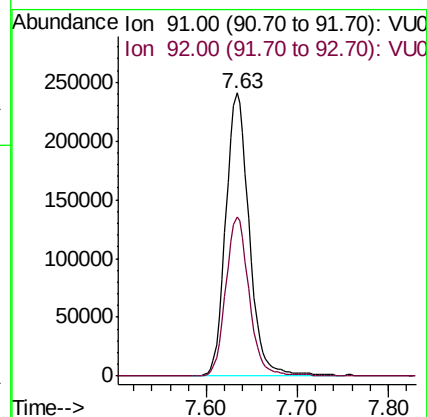
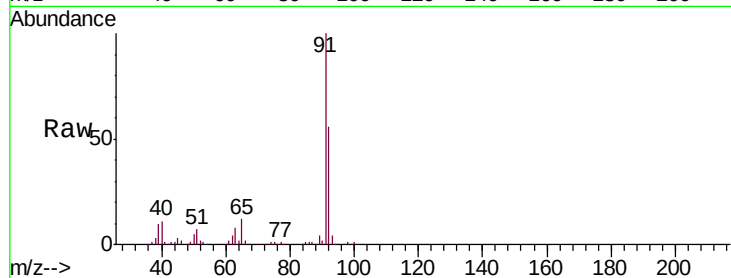
DB6R3

Tgt Ion: 91 Resp: 432462

Ion Ratio Lower Upper

91 100

92 56.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 15.729 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030344.D

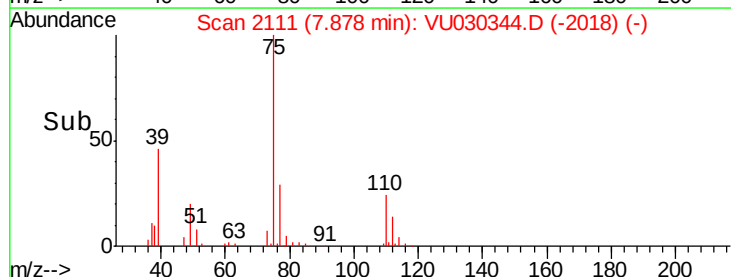
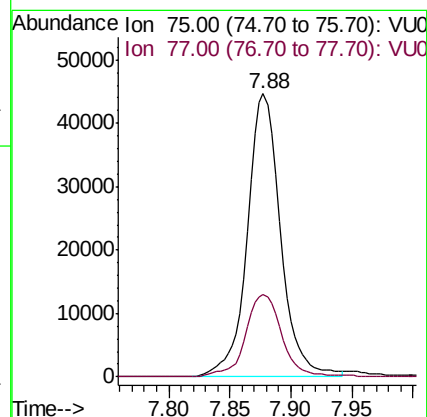
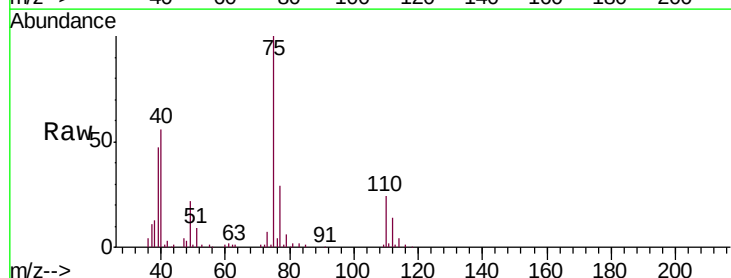
Acq: 23 Mar 2019 16:52

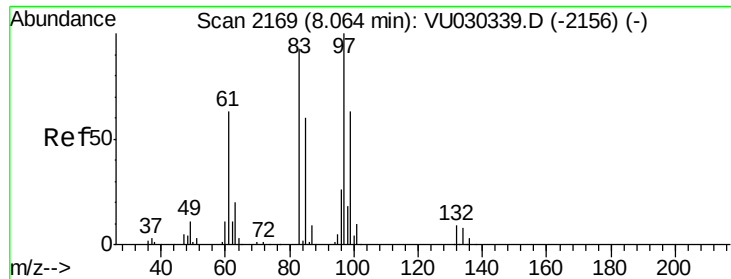
Tgt Ion: 75 Resp: 84043

Ion Ratio Lower Upper

75 100

77 29.1 22.0 40.8

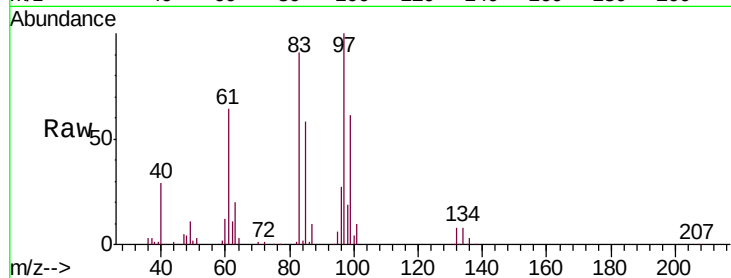




#45
 1,1,2-Trichloroethane
 Concen: 37.441 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R3

Tgt Ion:	97	Resp:	133655
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.0	81.8
83	90.7	65.3	121.3
85	57.9	41.8	77.6



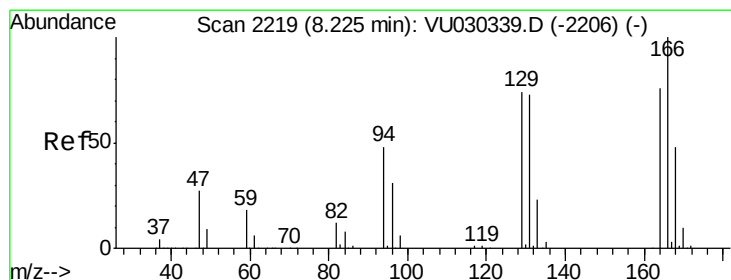
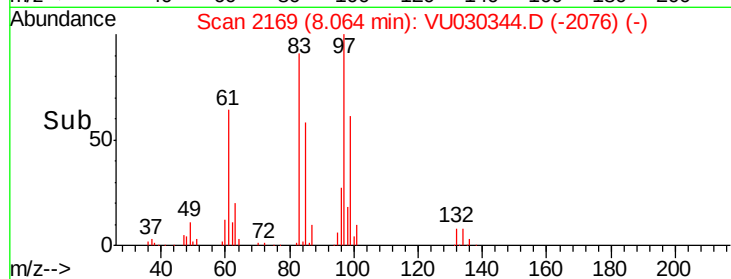
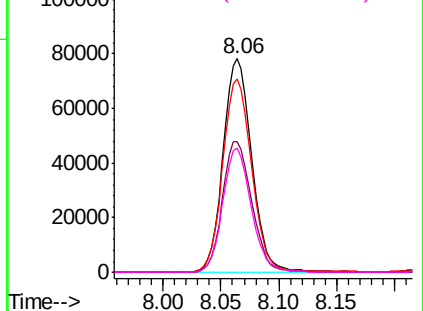
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

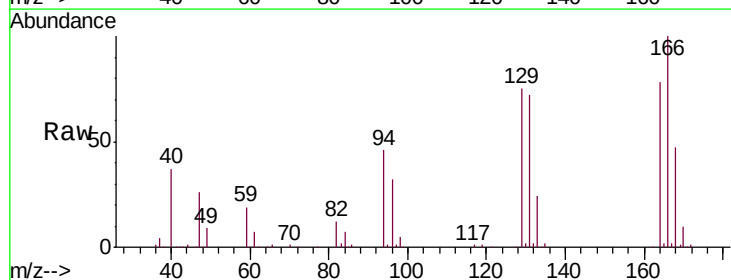
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 34.122 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Tgt Ion:	164	Resp:	87222
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.1	126.5
131	93.0	67.7	125.7
166	128.4	92.4	171.6



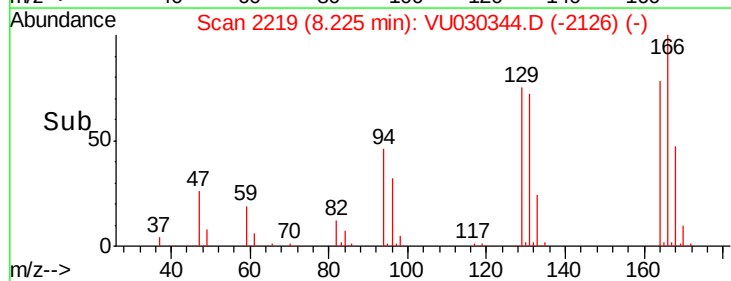
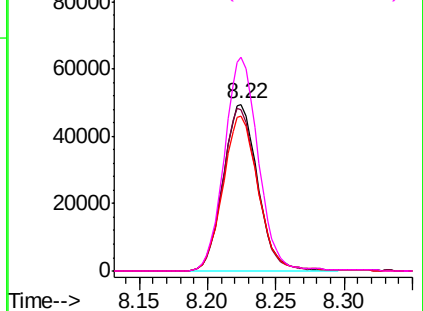
Abundance

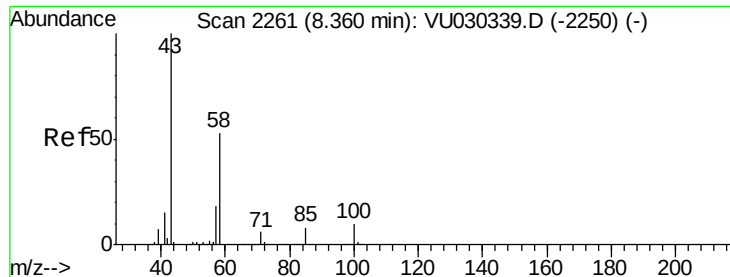
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

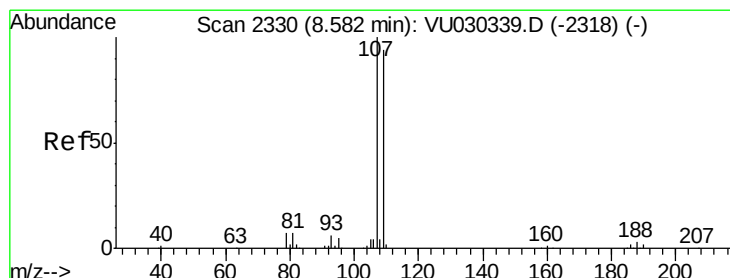
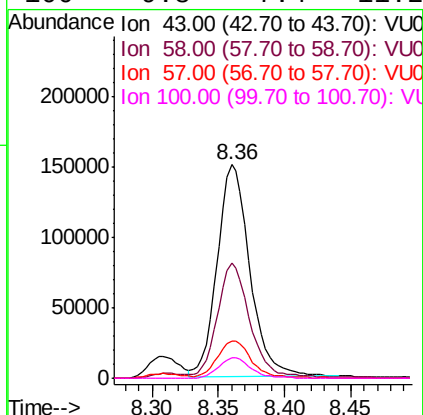
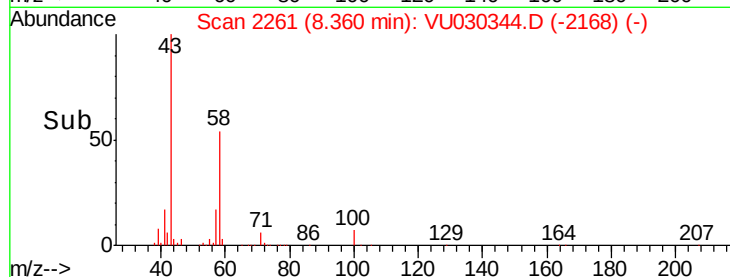
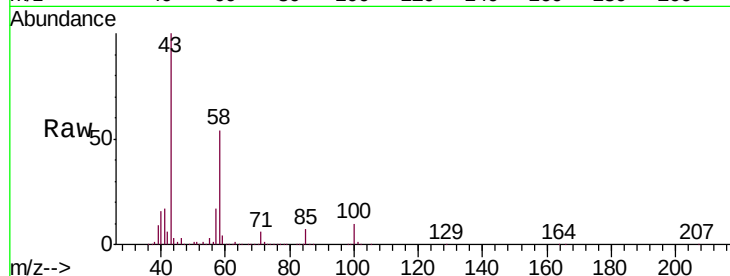




#48
2-Hexanone
Concen: 44.405 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

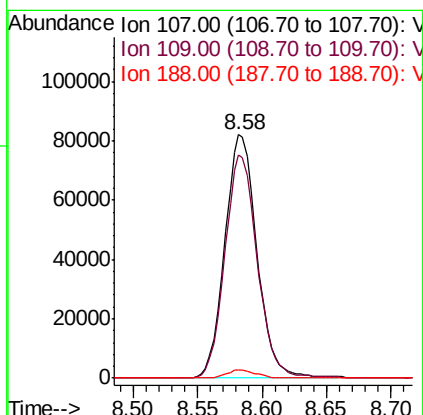
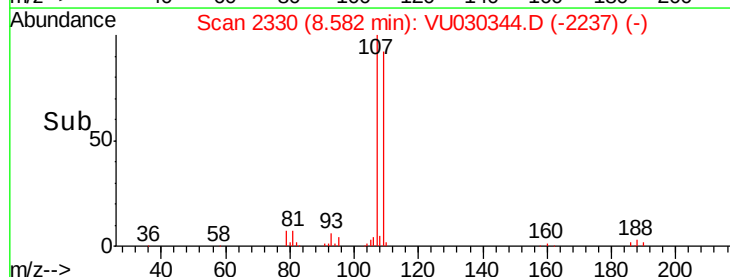
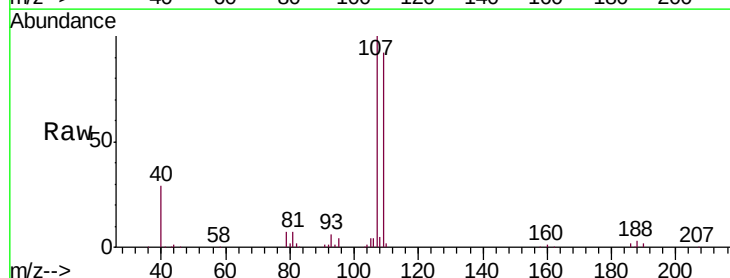
Instrument :
MSVOA_U
ClientSampleId :
DB6R3

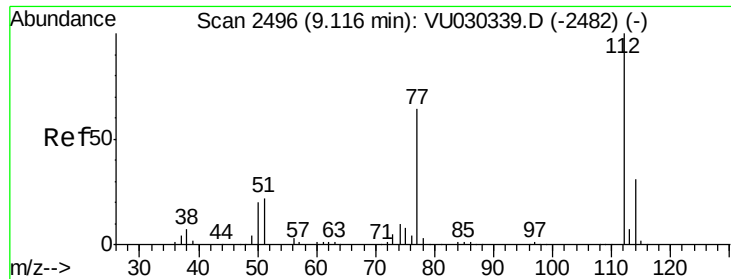
Tgt Ion: 43 Resp: 258266
Ion Ratio Lower Upper
43 100
58 53.2 42.5 63.7
57 18.6 15.0 22.6
100 9.8 7.4 11.2



#50
1,2-Dibromoethane
Concen: 37.008 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion: 107 Resp: 141781
Ion Ratio Lower Upper
107 100
109 91.7 65.8 122.2
188 3.4 2.6 4.0

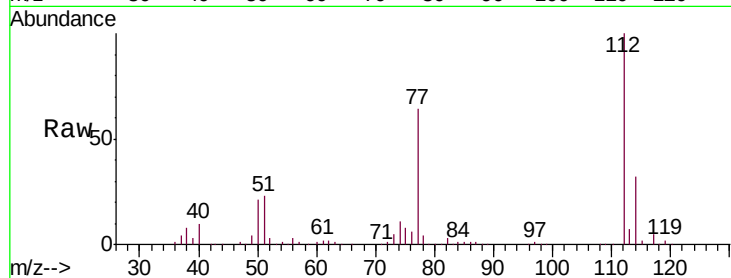




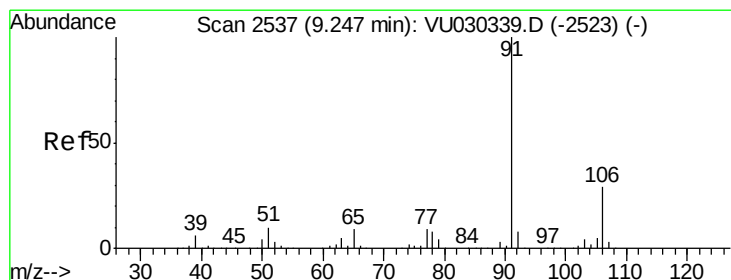
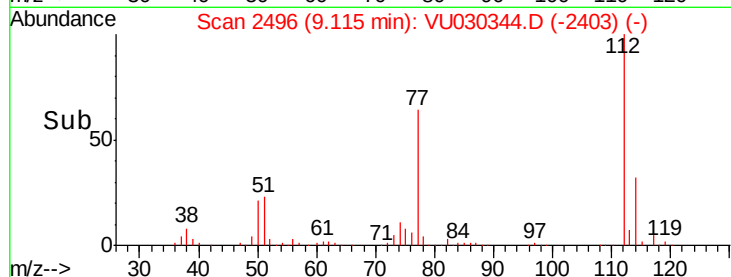
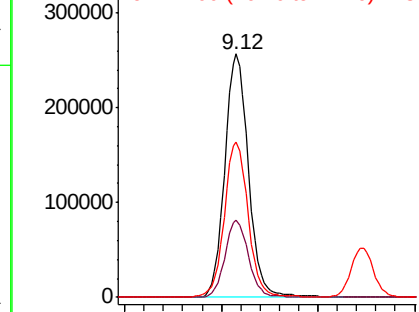
#51
Chlorobenzene
Concen: 46.602 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Instrument :
MSVOA_U
ClientSampleId :
DB6R3

Tgt Ion: 112 Resp: 436377
Ion Ratio Lower Upper
112 100
114 31.5 21.5 39.9
77 63.9 51.4 77.0

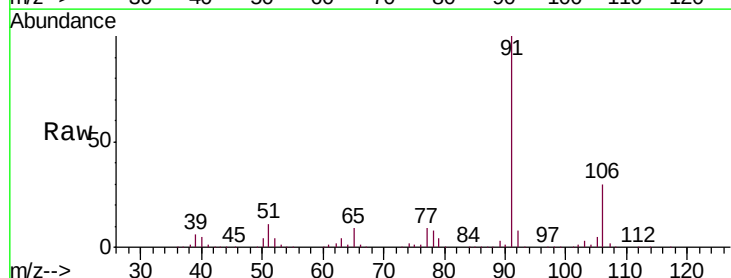


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

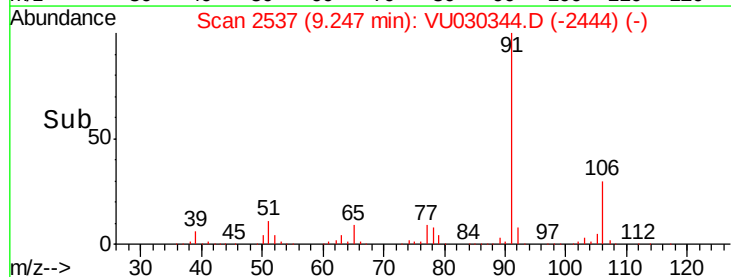
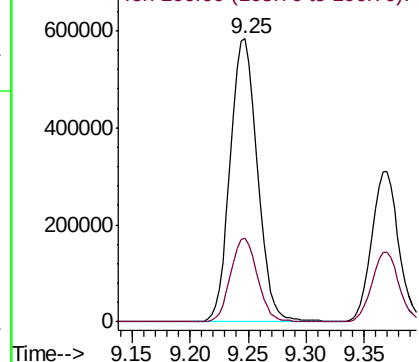


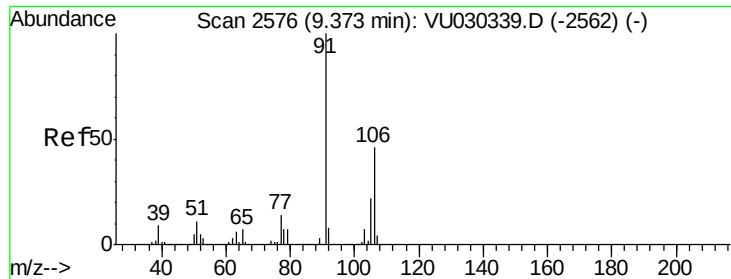
#52
Ethylbenzene
Concen: 56.662 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion: 91 Resp: 948356
Ion Ratio Lower Upper
91 100
106 29.6 20.6 38.2



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

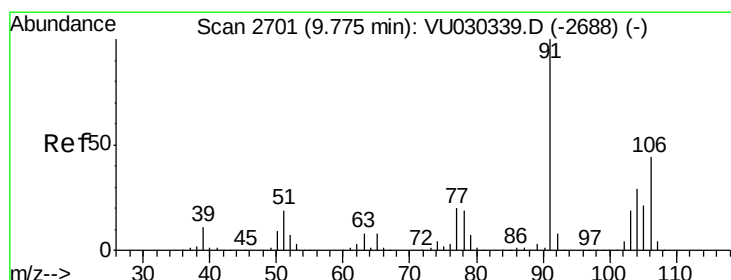
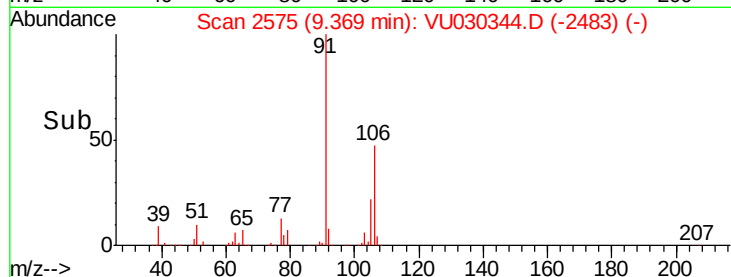
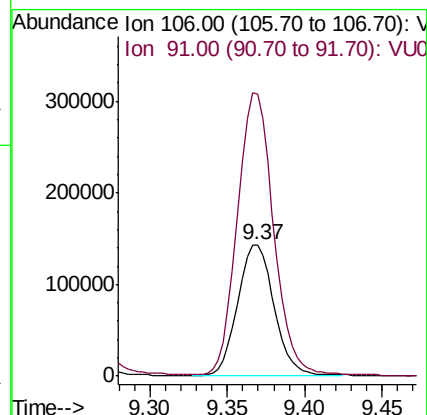
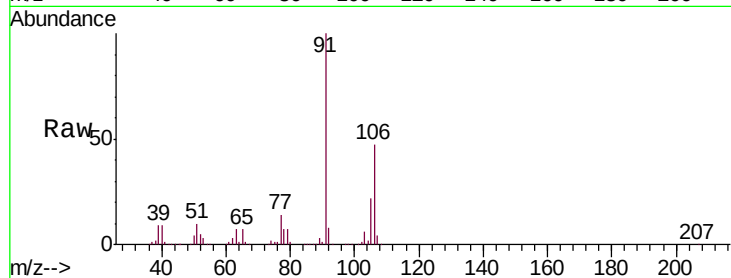




#53
m,p-Xylene
Concen: 38.687 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

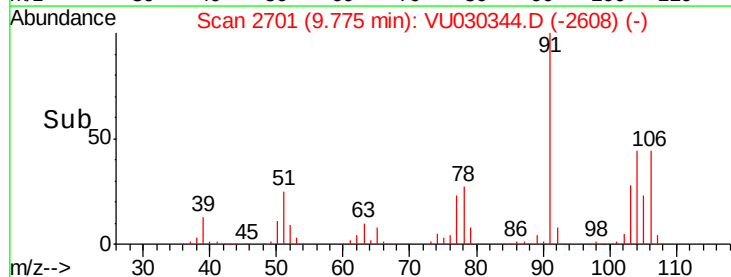
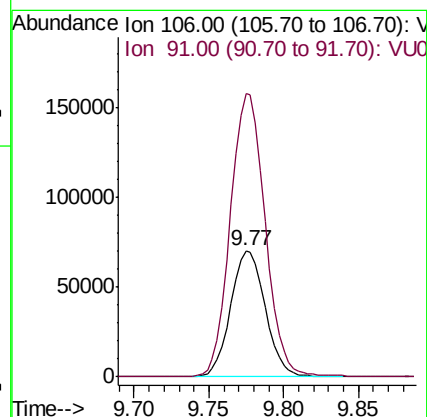
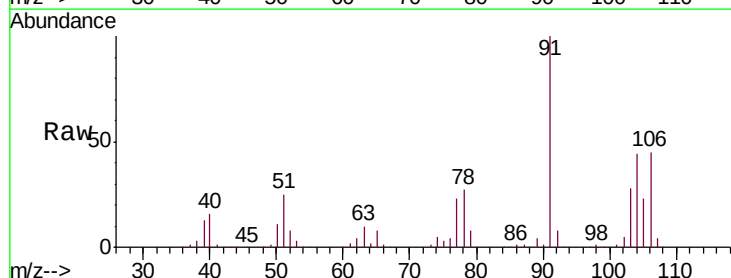
Instrument :
MSVOA_U
ClientSampleId :
DB6R3

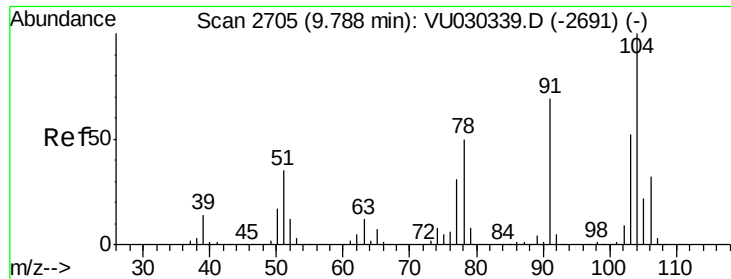
Tgt Ion:106 Resp: 233800
Ion Ratio Lower Upper
106 100
91 214.8 151.2 280.8



#54
o-xylene
Concen: 19.269 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion:106 Resp: 113620
Ion Ratio Lower Upper
106 100
91 224.5 159.6 296.4





#55

Styrene

Concen: 32.365 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

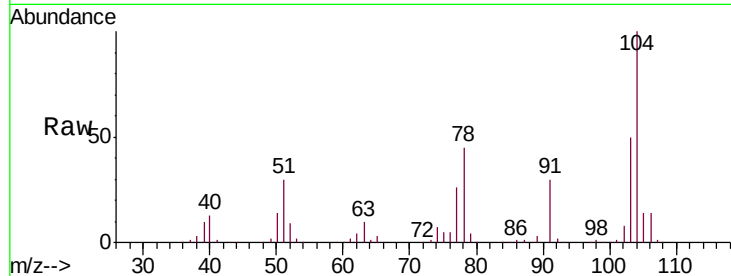
DB6R3

Tgt Ion:104 Resp: 328748

Ion Ratio Lower Upper

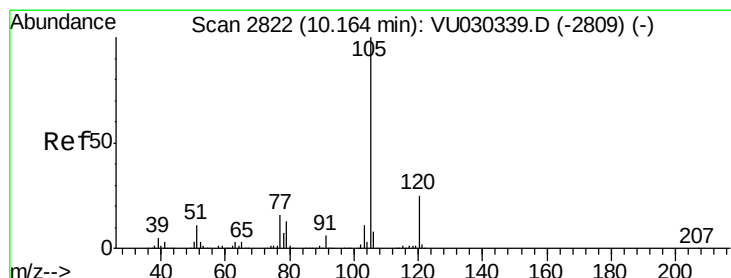
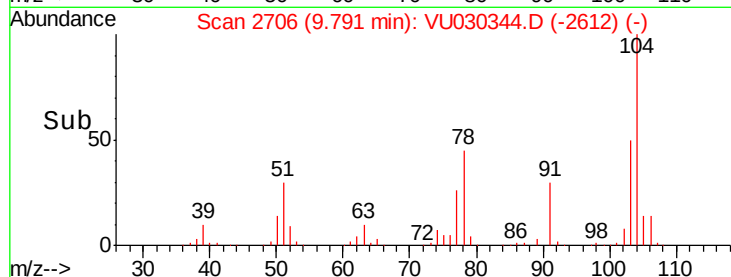
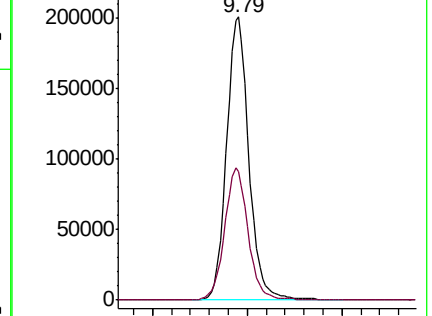
104 100

78 45.3 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 38.235 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

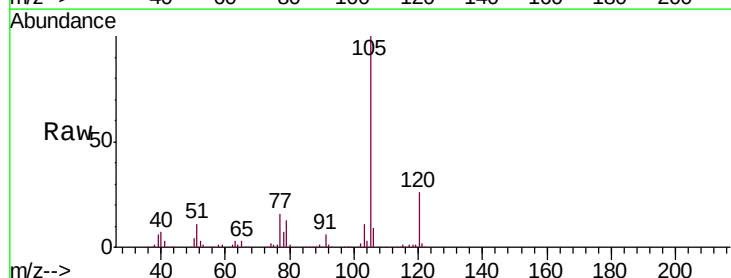
Tgt Ion:105 Resp: 596987

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

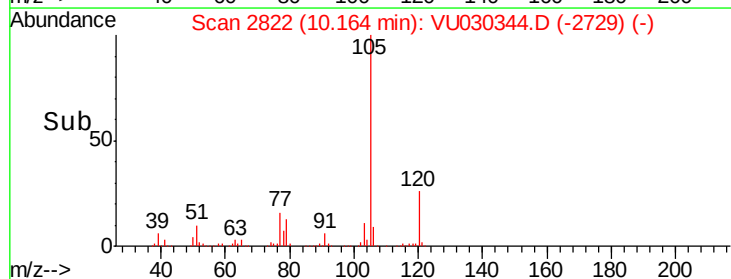
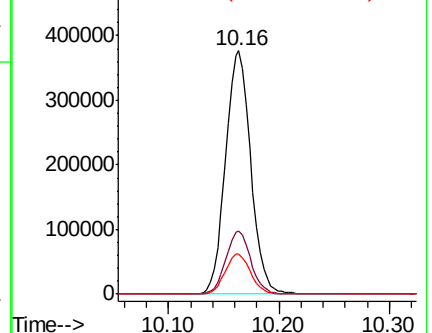
77 16.6 13.2 19.8

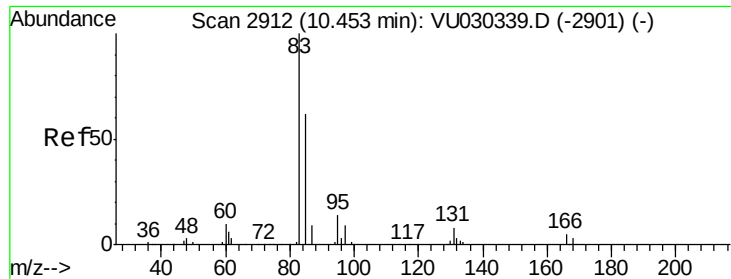


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

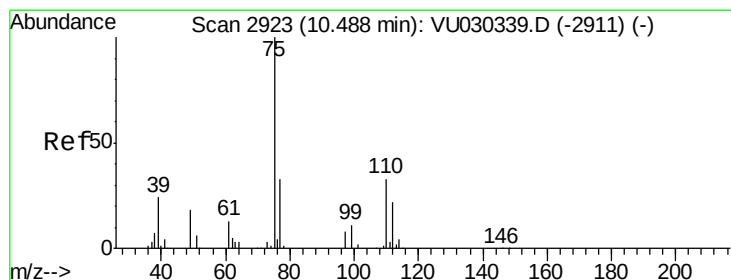
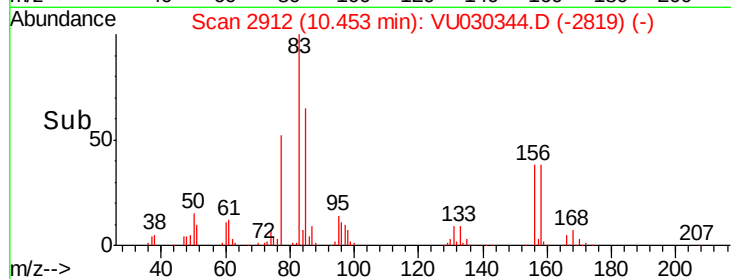
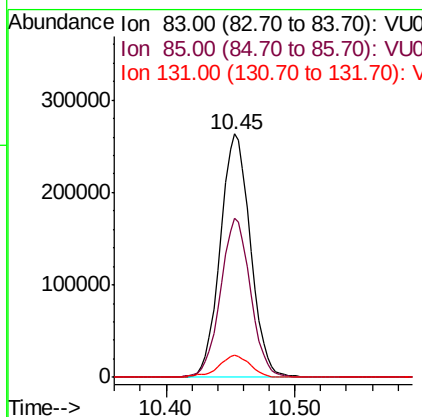
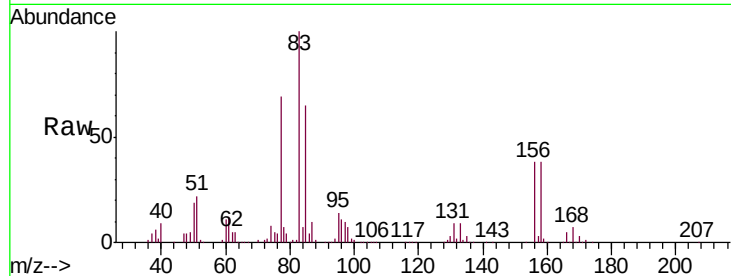




#58
 1,1,2,2-Tetrachloroethane
 Concen: 64.704 ug/L
 RT: 10.45 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

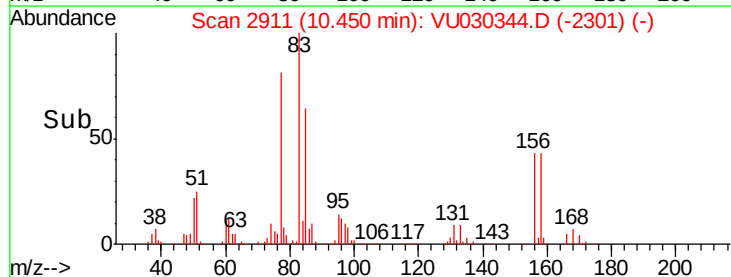
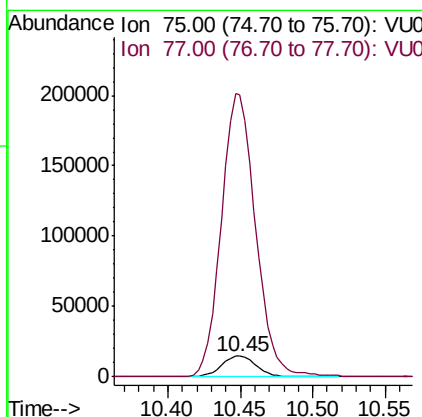
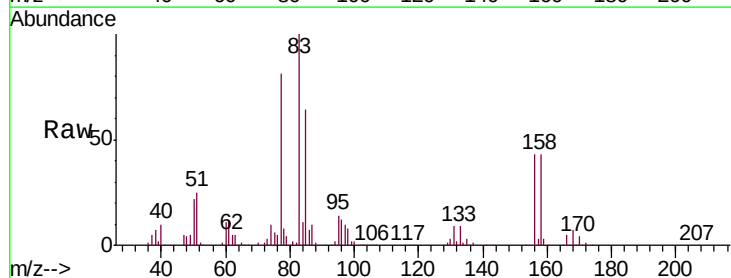
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R3

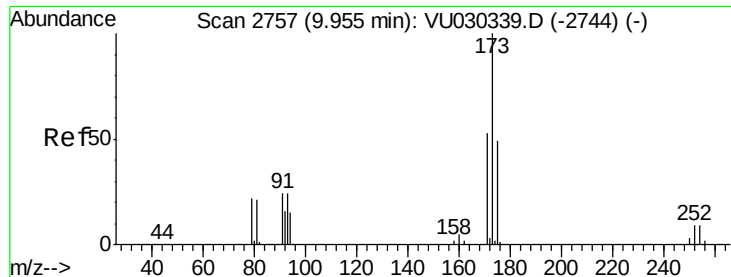
Tgt Ion: 83 Resp: 425696
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.3 82.3
 131 9.0 6.7 10.1



#59
 1,2,3-Trichloropropane
 Concen: 4.887 ug/L
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.04 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Tgt Ion: 75 Resp: 25132
 Ion Ratio Lower Upper
 75 100
 77 1316.8 25.4 38.2#





#61

Bromoform

Concen: 17.294 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

DB6R3

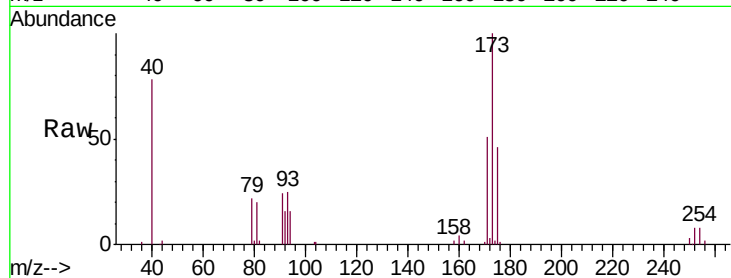
Tgt Ion:173 Resp: 50231

Ion Ratio Lower Upper

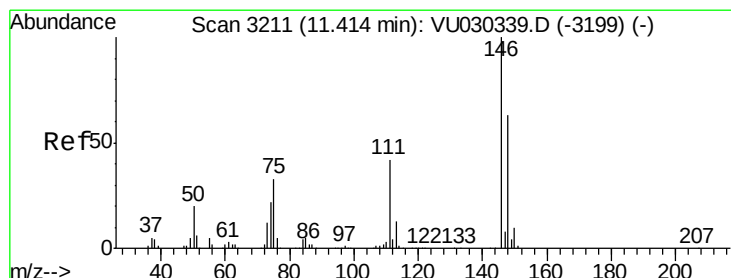
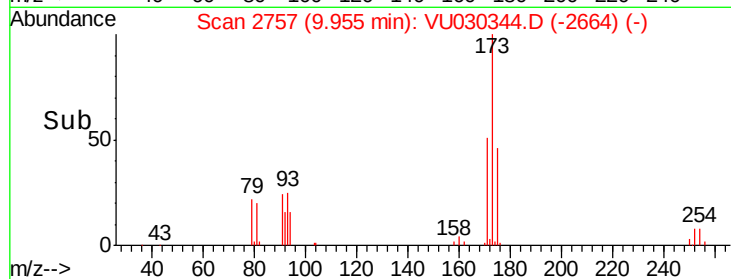
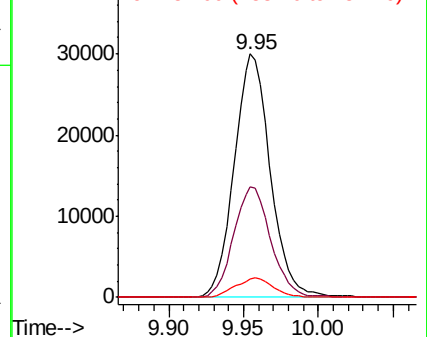
173 100

175 46.5 38.5 57.7

254 8.3 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 18.439 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

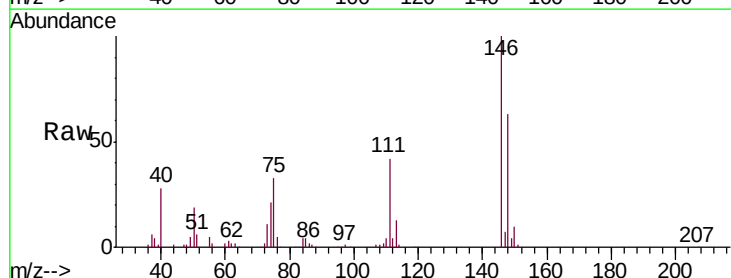
Tgt Ion:146 Resp: 131731

Ion Ratio Lower Upper

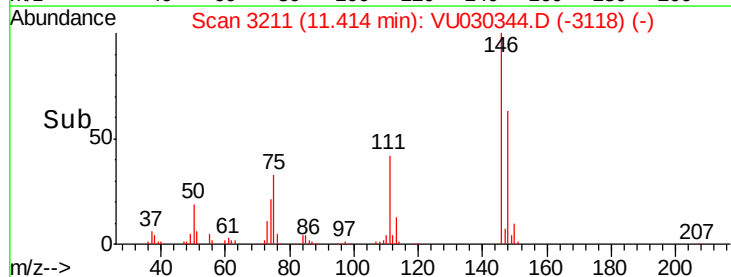
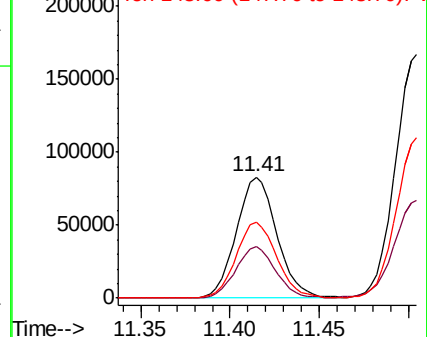
146 100

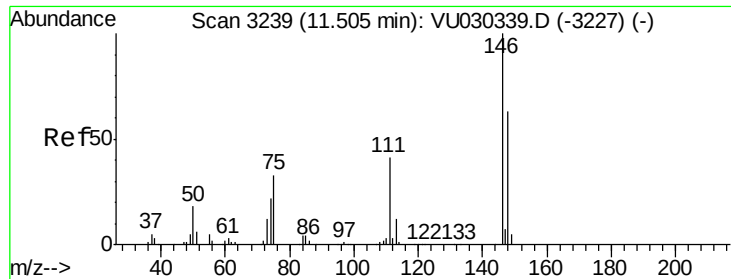
111 42.2 29.2 54.2

148 62.5 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

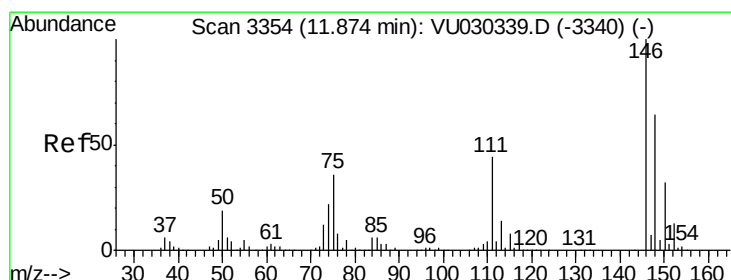
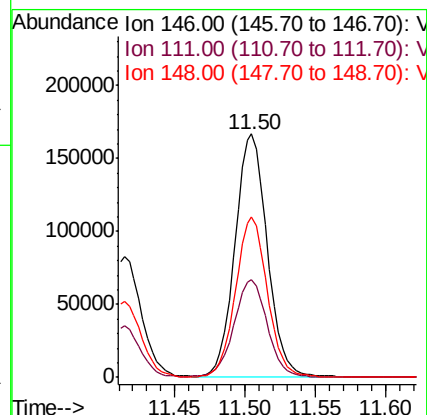
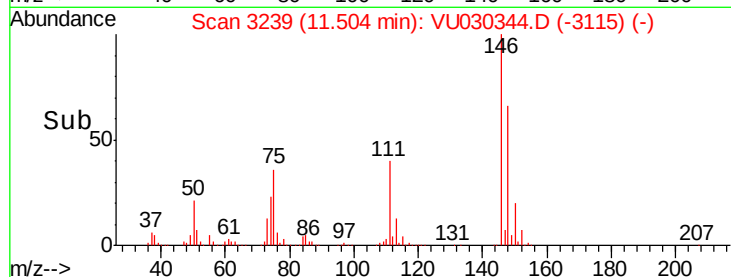
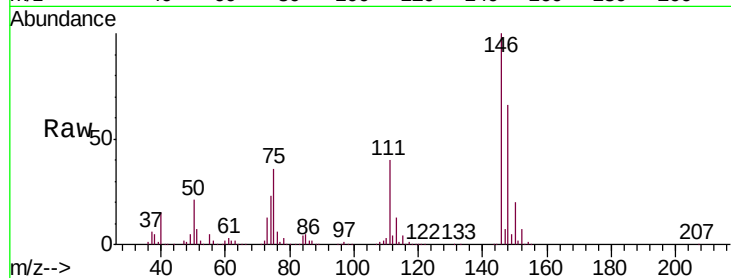




#63
1,4-Dichlorobenzene
Concen: 36.226 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

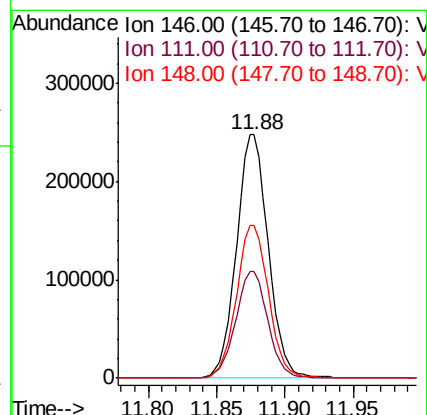
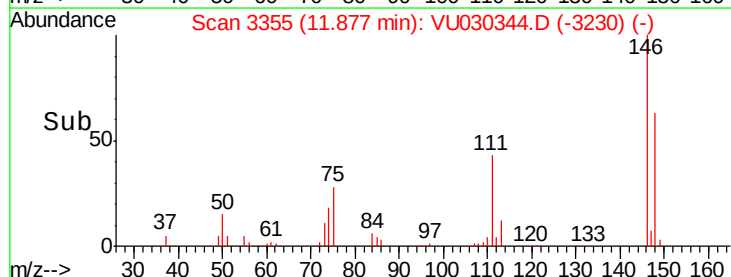
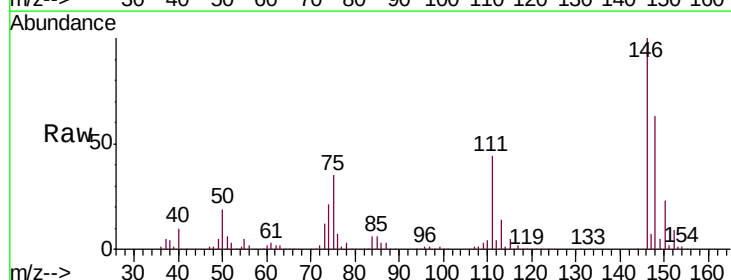
Instrument :
MSVOA_U
ClientSampleId :
DB6R3

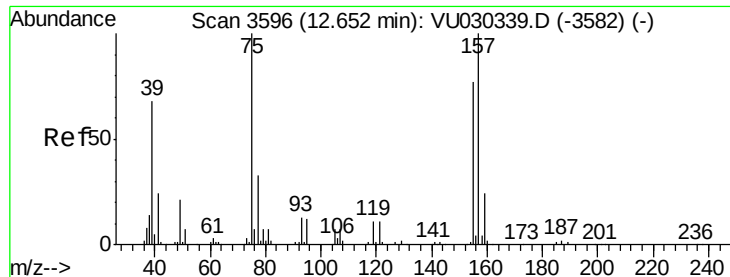
Tgt Ion:146 Resp: 266430
Ion Ratio Lower Upper
146 100
111 40.2 28.7 53.3
148 66.1 44.3 82.3



#65
1,2-Dichlorobenzene
Concen: 55.352 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030344.D
Acq: 23 Mar 2019 16:52

Tgt Ion:146 Resp: 399846
Ion Ratio Lower Upper
146 100
111 43.6 34.9 52.3
148 62.7 51.2 76.8

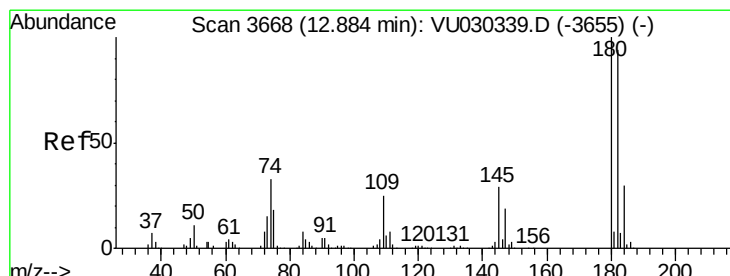
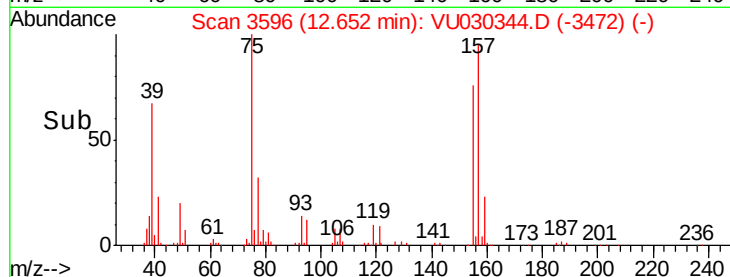
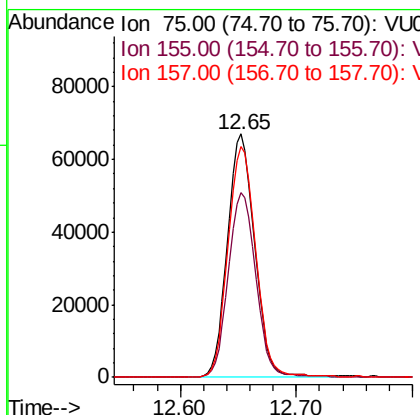
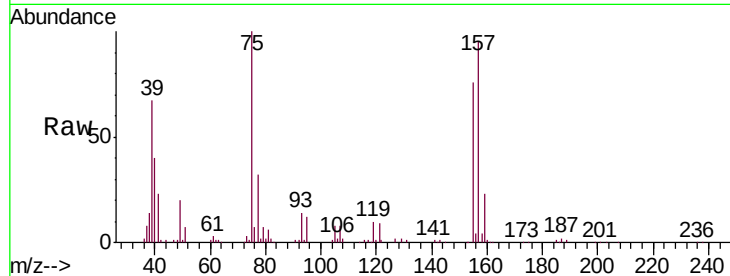




#66
 1,2-Dibromo-3-chloropropane
 Concen: 67.401 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

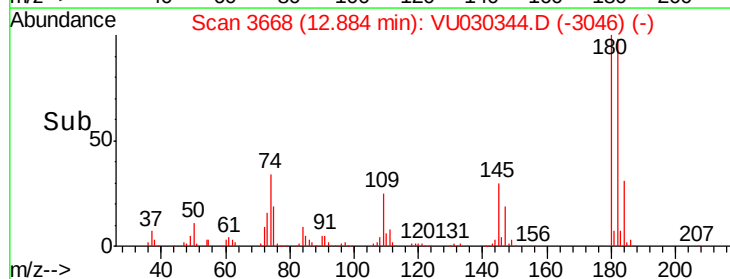
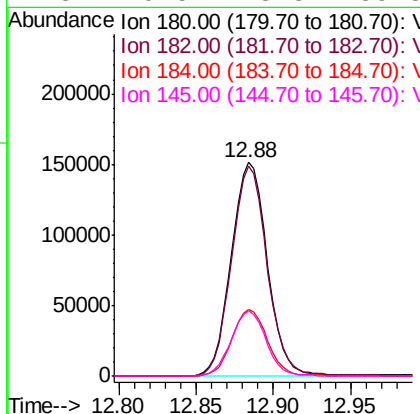
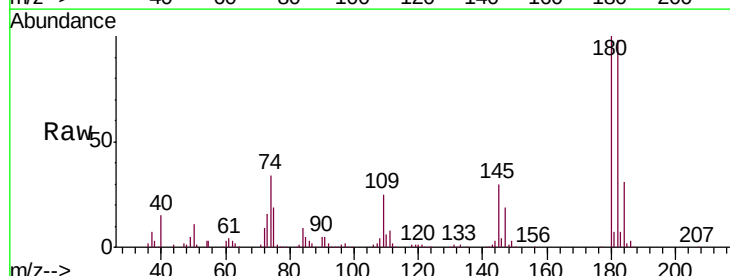
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R3

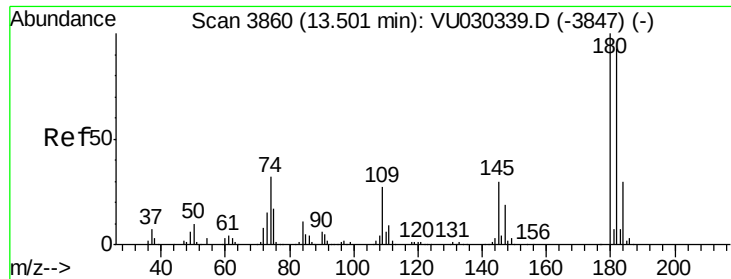
Tgt Ion: 75 Resp: 108411
 Ion Ratio Lower Upper
 75 100
 155 75.8 61.8 92.6
 157 94.8 80.2 120.4



#67
 1,3,5-Trichlorobenzene
 Concen: 45.721 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Tgt Ion: 180 Resp: 244523
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.9 113.9
 184 30.4 24.1 36.1
 145 29.5 23.8 35.8





#68

1,2,4-trichlorobenzene

Concen: 0.631 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

Instrument :

MSVOA_U

ClientSampleId :

DB6R3

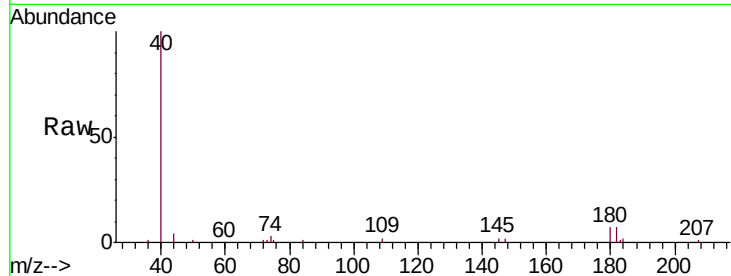
Tgt Ion:180 Resp: 2933

Ion Ratio Lower Upper

180 100

182 95.8 76.1 114.1

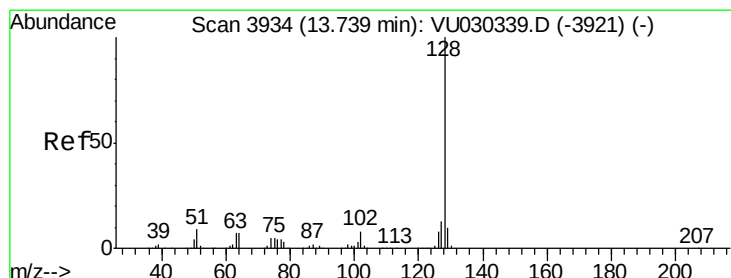
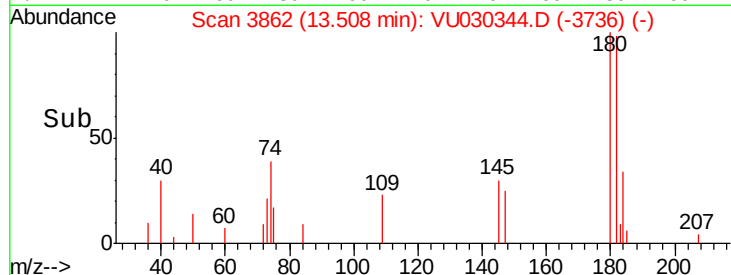
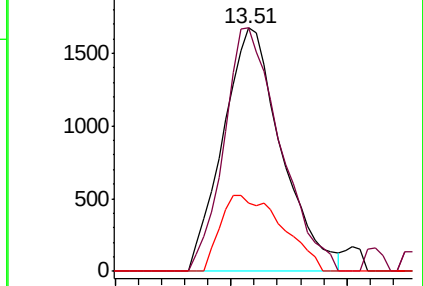
145 18.7 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 0.883 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030344.D

Acq: 23 Mar 2019 16:52

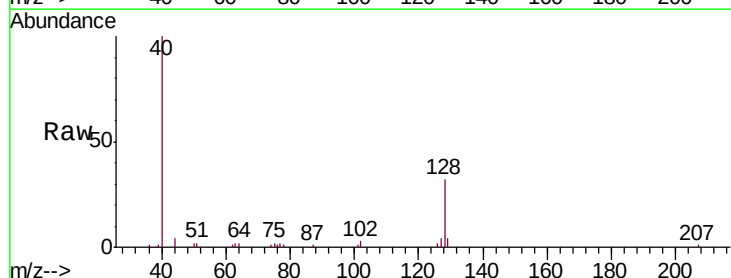
Tgt Ion:128 Resp: 14598

Ion Ratio Lower Upper

128 100

127 11.6 10.4 15.6

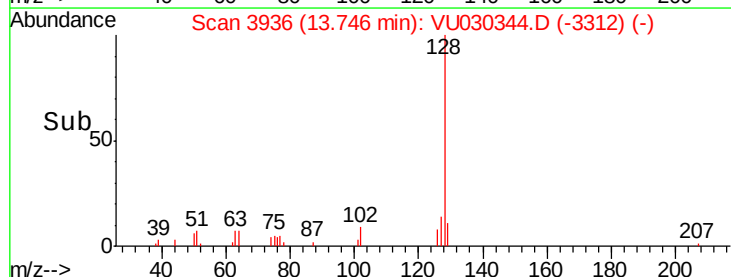
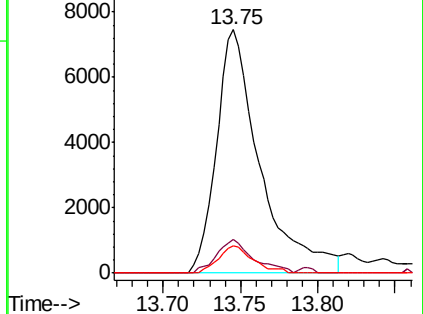
129 8.5 8.4 12.6

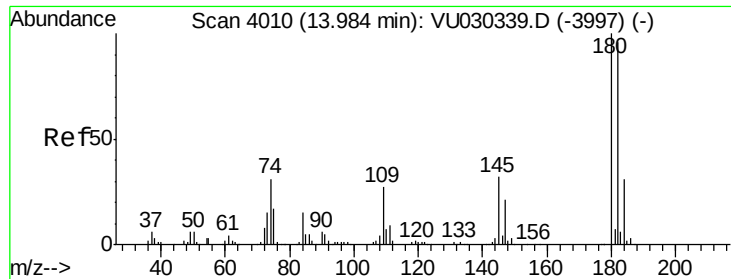


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

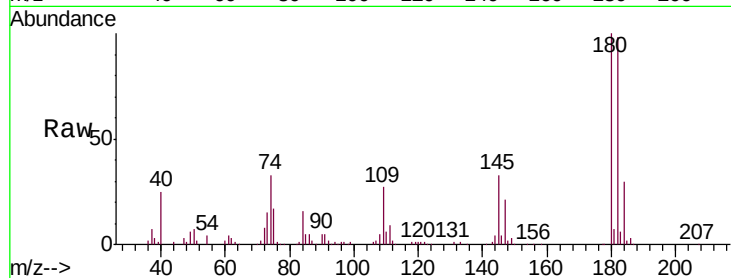




#70
 1,2,3-Trichlorobenzene
 Concen: 33.010 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030344.D
 Acq: 23 Mar 2019 16:52

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R3

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.2
145	32.0	25.9	38.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

