

Data File : VU030340.D
Acq On : 23 Mar 2019 14:36
Operator : JC/SP
Sample : VSTD10048
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

Quant Time: Mar 24 01:46:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 01:42:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	430388	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	422370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207599	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	348431	114.97	ug/L	0.00
7) Chloroethane-d5	1.67	69	281860	116.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	655572	117.03	ug/L	0.00
21) 2-Butanone-d5	4.17	46	708989	293.52	ug/L	0.00
24) Chloroform-d	4.64	84	614979	111.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	392147	121.16	ug/L	0.00
32) Benzene-d6	5.34	84	1248196	109.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	432216	119.75	ug/L	0.00
41) Toluene-d8	7.56	98	1142401	107.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	208667	120.03	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	496700	262.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	607874	111.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	413132	99.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	446244	114.674	ug/L	100
3) Chloromethane	1.33	50	492076	125.355	ug/L	99
5) Vinyl chloride	1.40	62	479224	119.207	ug/L	99
6) Bromomethane	1.61	94	220715	105.952	ug/L	98
8) Chloroethane	1.69	64	266172	113.179	ug/L	100
9) Trichlorofluoromethane	1.88	101	519909	105.510	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	300719	101.735	ug/L	99
12) 1,1-Dichloroethene	2.28	96	293101	100.214	ug/L	91
13) Acetone	2.32	43	605449	241.621	ug/L	100
14) Carbon disulfide	2.48	76	973104	108.935	ug/L	100
15) Methyl Acetate	2.61	43	494949	134.712	ug/L #	100
16) Methylene chloride	2.70	84	345937	103.283	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	306733	99.148	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	1037357	113.367	ug/L	99
19) 1,1-Dichloroethane	3.44	63	632149	114.771	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	348278	102.675	ug/L	99
22) 2-Butanone	4.26	43	817108	274.383	ug/L	99
23) Bromochloromethane	4.55	128	162802	92.252	ug/L	94
25) Chloroform	4.67	83	599054	106.395	ug/L	99
27) 1,2-Dichloroethane	5.40	62	479302	117.049	ug/L	100
29) Cyclohexane	4.99	56	624972	125.998	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	491601	105.443	ug/L	98
31) Carbon tetrachloride	5.13	117	422003	102.612	ug/L	99
33) Benzene	5.39	78	1386686	109.809	ug/L	100
34) Trichloroethene	6.18	95	334573	101.887	ug/L	99
35) Methylcyclohexane	6.41	83	567170	109.916	ug/L	97
37) 1,2-Dichloropropane	6.43	63	388906	117.684	ug/L	100
38) Bromodichloromethane	6.75	83	461267	110.702	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	589433	113.138	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1342596	279.504	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1440607	105.898	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	524260	116.043	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	327984	100.892	ug/L	98
46) Tetrachloroethene	8.22	164	234605	87.796	ug/L	99
48) 2-Hexanone	8.36	43	1097750	275.902	ug/L	99
49) Dibromochloromethane	8.47	129	349323	96.961	ug/L	97
50) 1,2-Dibromoethane	8.58	107	358226	100.037	ug/L	99
51) Chlorobenzene	9.12	112	862467	97.416	ug/L	99
52) Ethylbenzene	9.25	91	1584290	107.061	ug/L	100
53) m,p-Xylene	9.37	106	573933	102.597	ug/L	100
54) o-xylene	9.78	106	562928	102.185	ug/L	98
55) Styrene	9.79	104	991274	105.783	ug/L	99
56) Isopropylbenzene	10.16	105	1482075	103.425	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	608563	107.742	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	472139	107.613	ug/L	100
61) Bromoform	9.95	173	265432	98.565	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	635906	95.533	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	648533	94.027	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	637323	93.914	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	145737	120.300	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	487249	94.261	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	439286	96.270	ug/L	99
69) Naphthalene	13.74	128	1467707	100.395	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	443495	93.677	ug/L	100

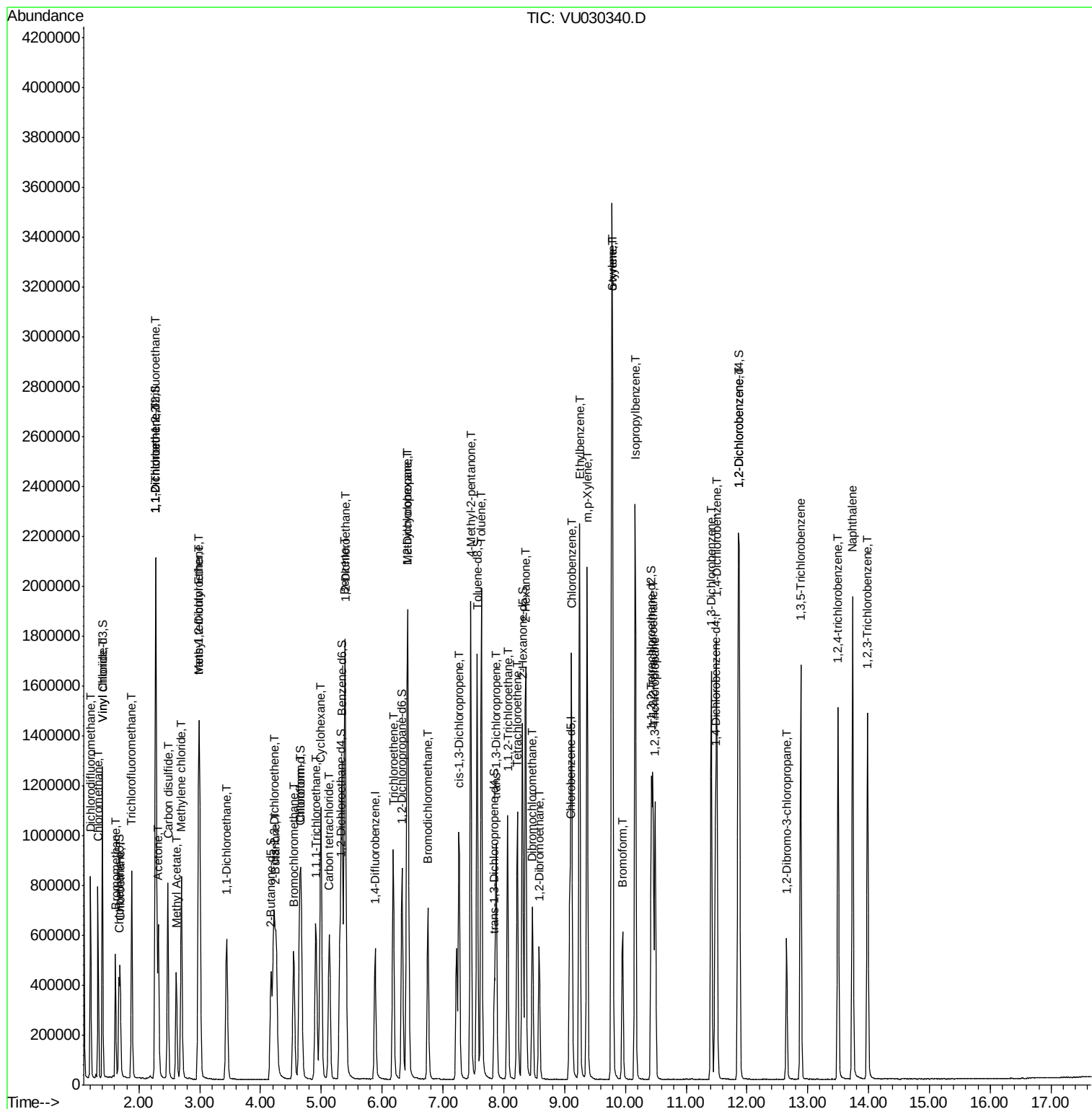
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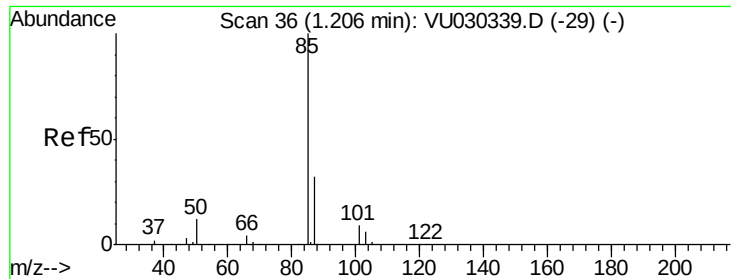
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#2

Dichlorodifluoromethane

Concen: 114.674 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

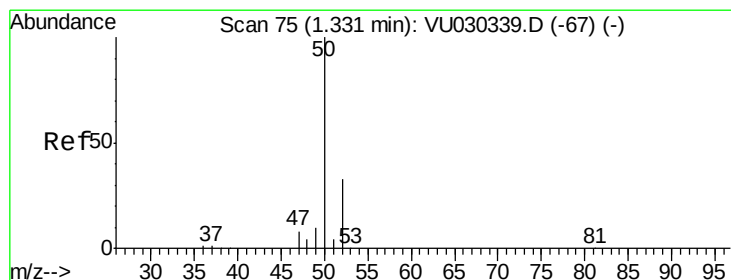
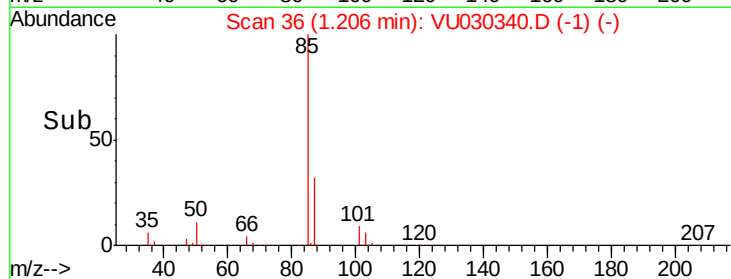
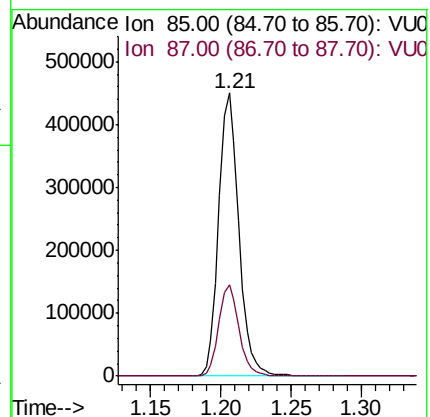
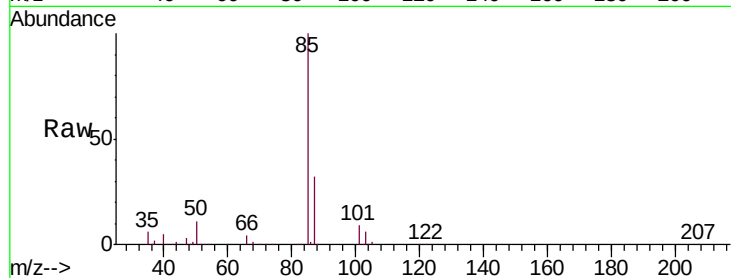
VSTD10048

Tgt Ion: 85 Resp: 446244

Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



#3

Chloromethane

Concen: 125.355 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030340.D

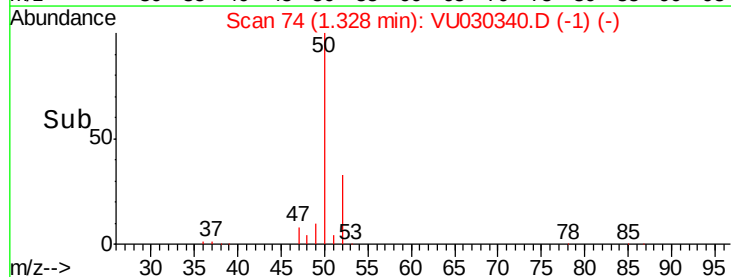
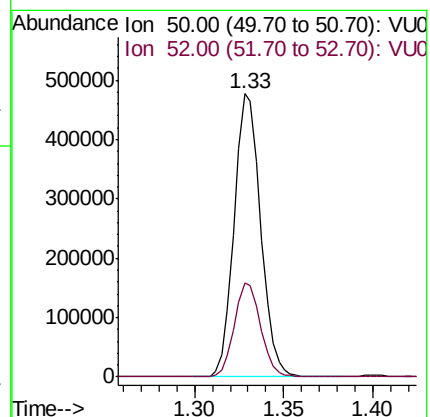
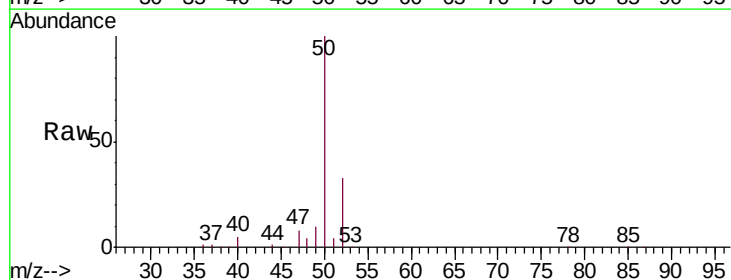
Acq: 23 Mar 2019 14:36

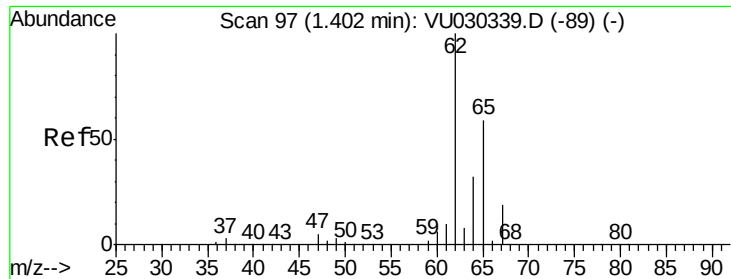
Tgt Ion: 50 Resp: 492076

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 119.207 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

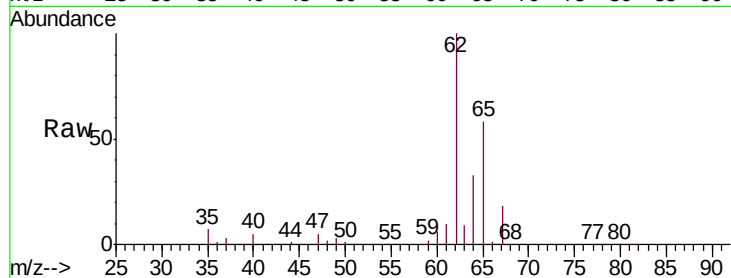
VSTD10048

Tgt Ion: 62 Resp: 479224

Ion Ratio Lower Upper

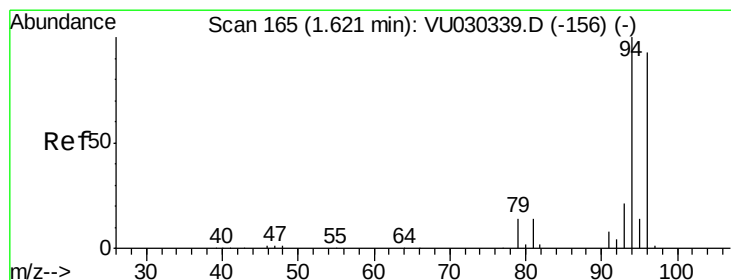
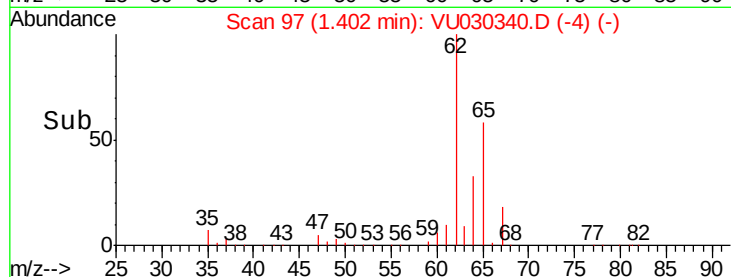
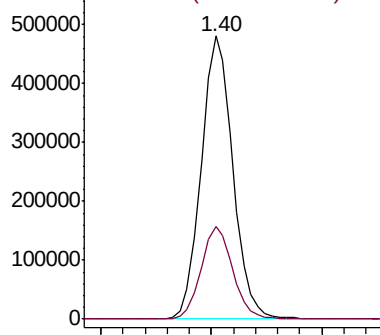
62 100

64 32.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 105.952 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU030340.D

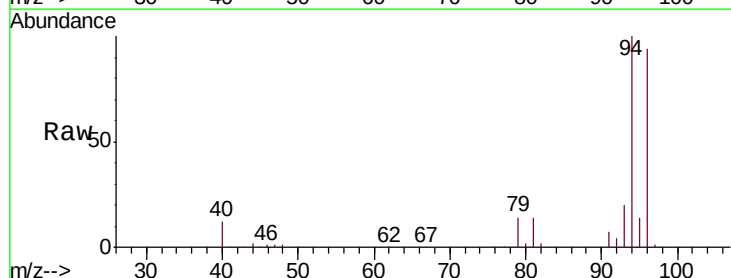
Acq: 23 Mar 2019 14:36

Tgt Ion: 94 Resp: 220715

Ion Ratio Lower Upper

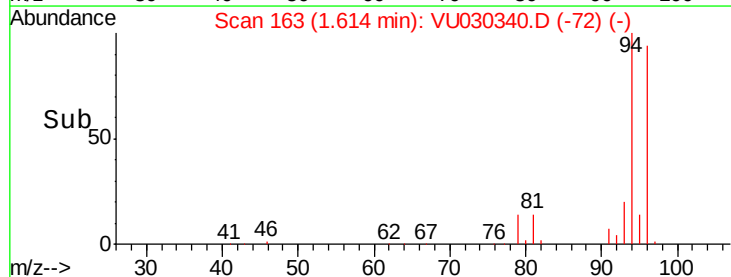
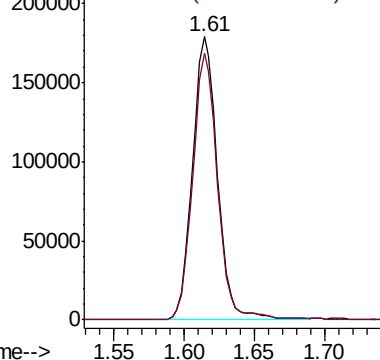
94 100

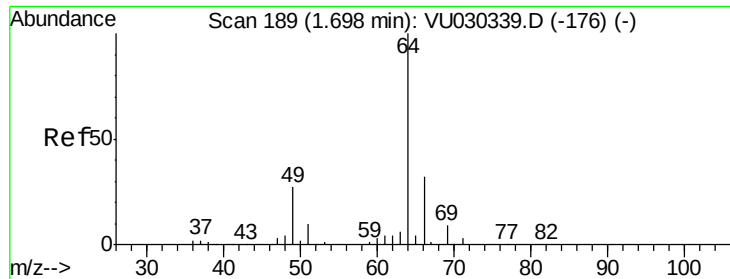
96 94.1 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 113.179 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

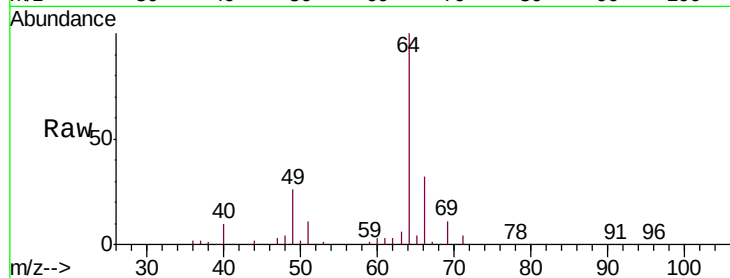
VSTD10048

Tgt Ion: 64 Resp: 266172

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030339.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030339.D (-176) (-)

1.69

200000

150000

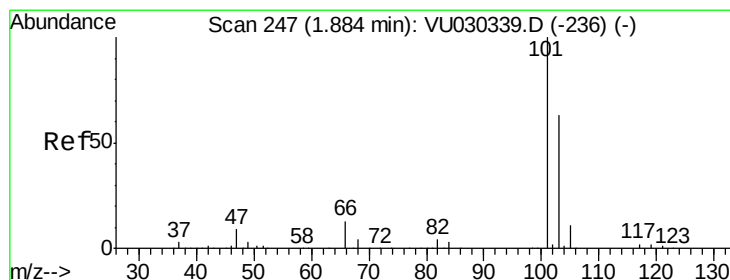
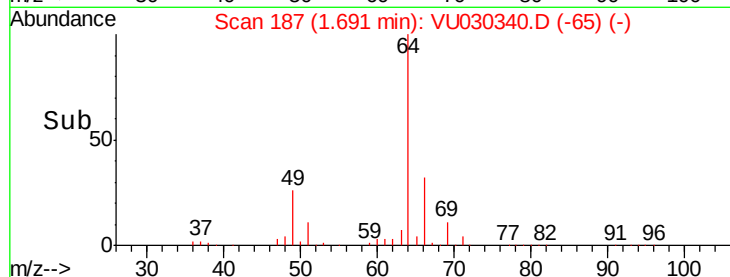
100000

50000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 105.510 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU030340.D

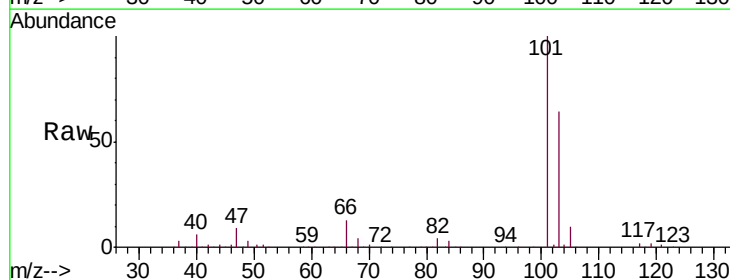
Acq: 23 Mar 2019 14:36

Tgt Ion: 101 Resp: 519909

Ion Ratio Lower Upper

101 100

103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030339.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030339.D (-236) (-)

1.88

400000

300000

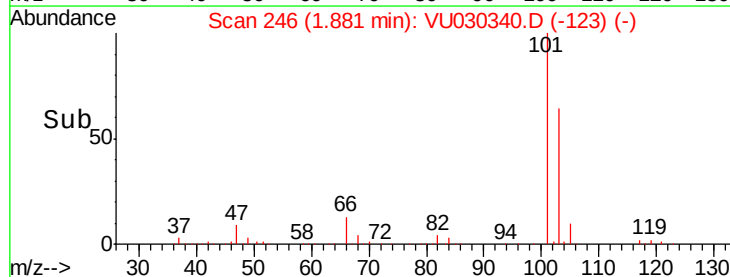
200000

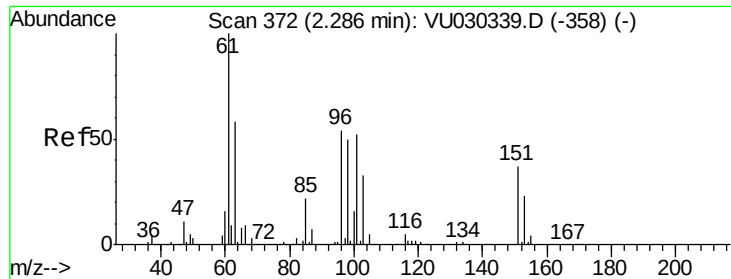
100000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#10

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

Concen: 101.735 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10048

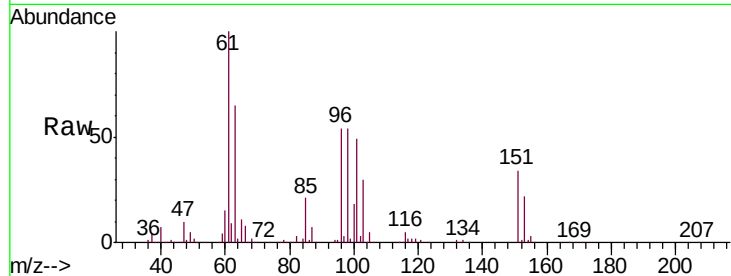
Tgt Ion: 101 Resp: 300719

Ion Ratio Lower Upper

101 100

85 43.6 34.8 52.2

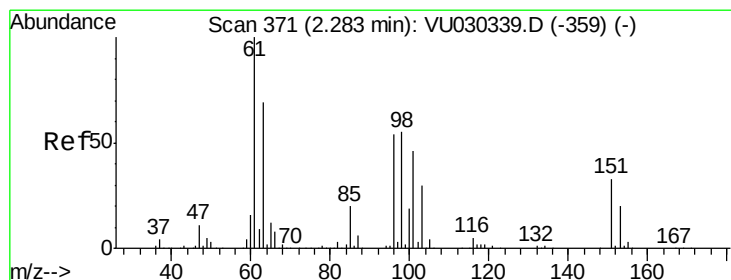
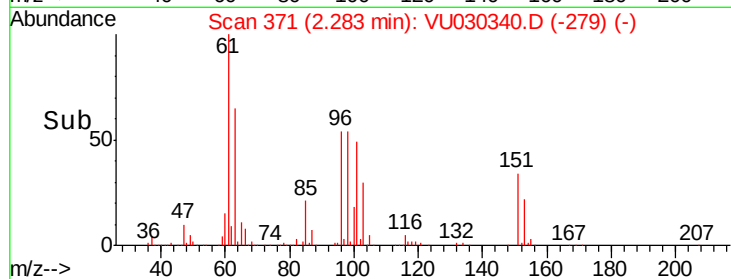
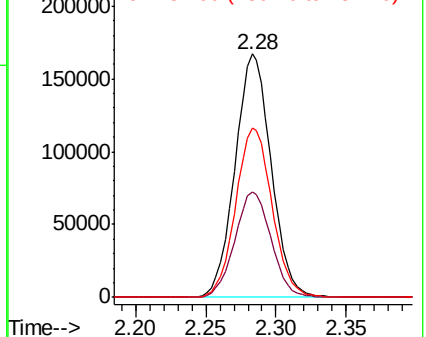
151 70.1 56.6 85.0



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: 100.214 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

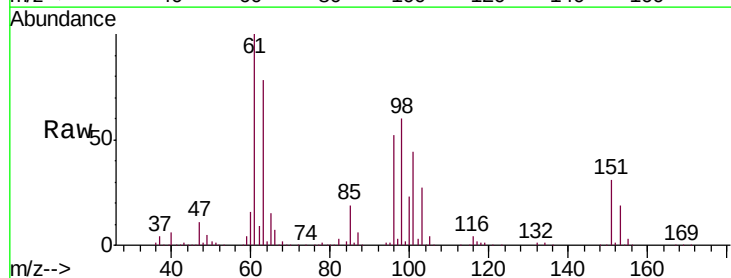
Tgt Ion: 96 Resp: 293101

Ion Ratio Lower Upper

96 100

61 192.6 131.0 243.4

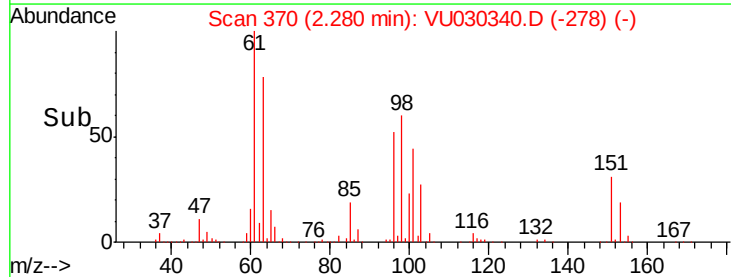
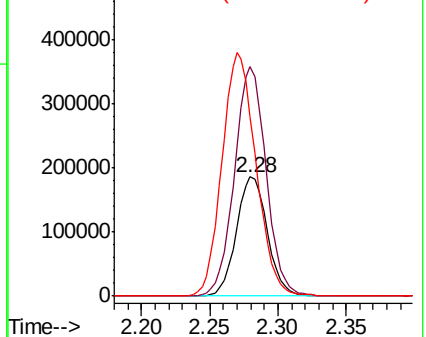
63 150.5 92.4 171.6

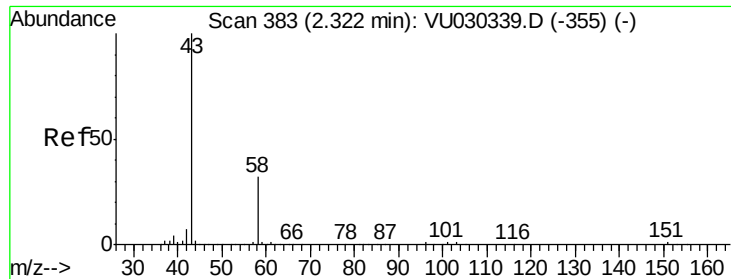


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

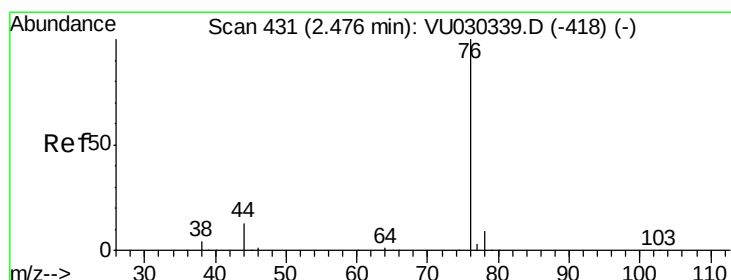
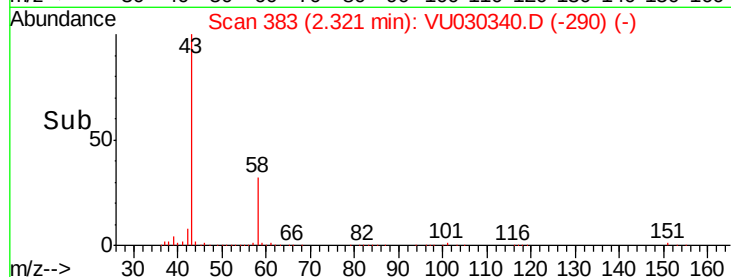
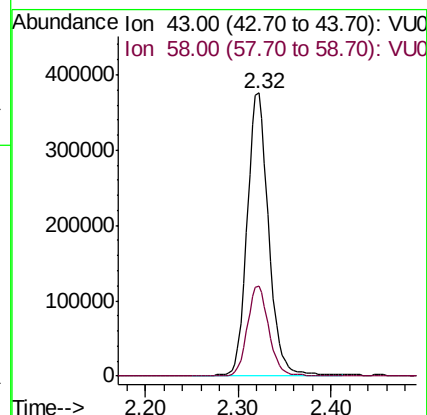
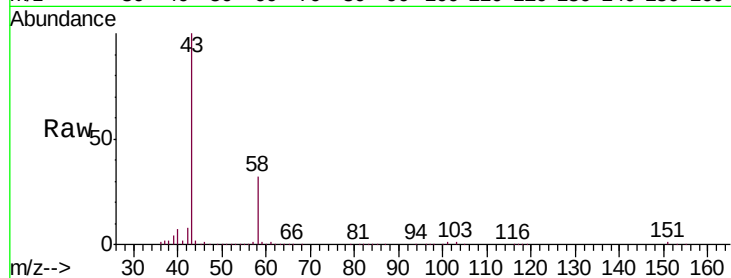




#13
Acetone
Concen: 241.621 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

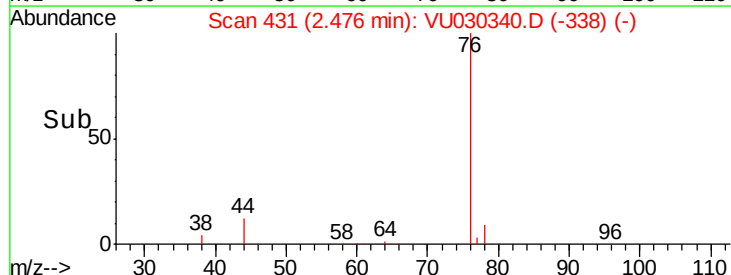
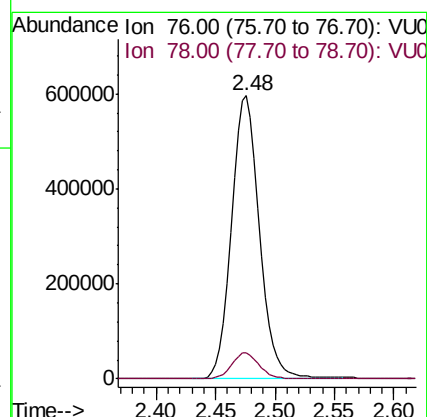
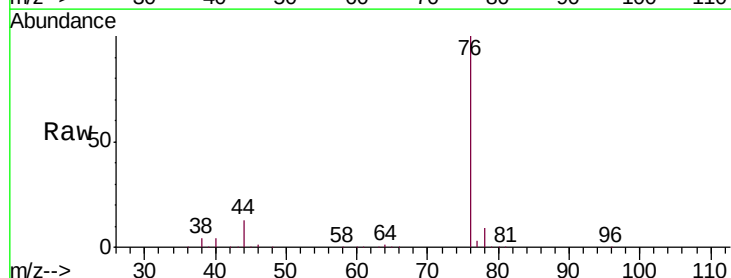
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

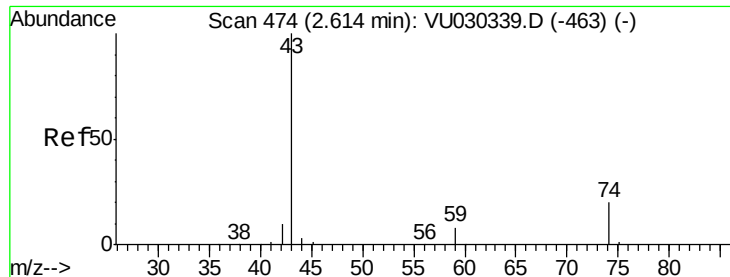
Tgt Ion: 43 Resp: 605449
Ion Ratio Lower Upper
43 100
58 31.5 0.0 62.8



#14
Carbon disulfide
Concen: 108.935 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 76 Resp: 973104
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

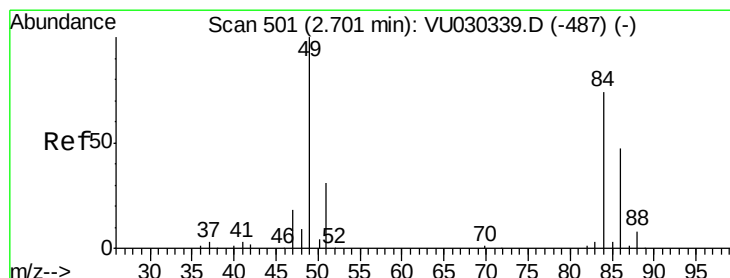
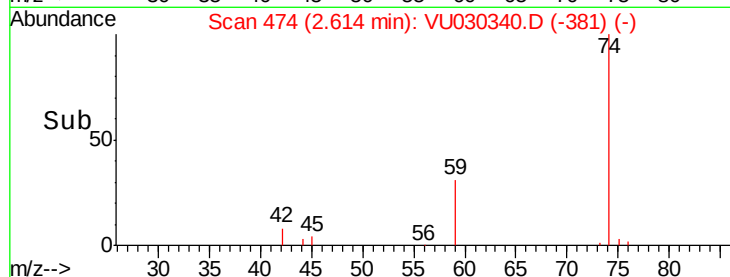
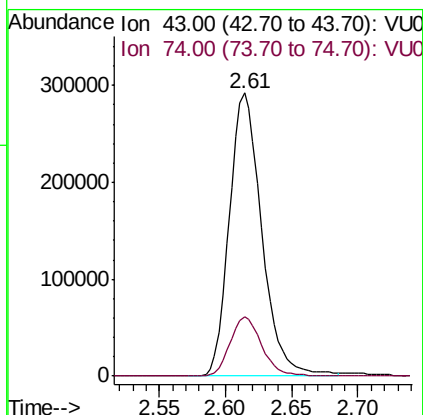
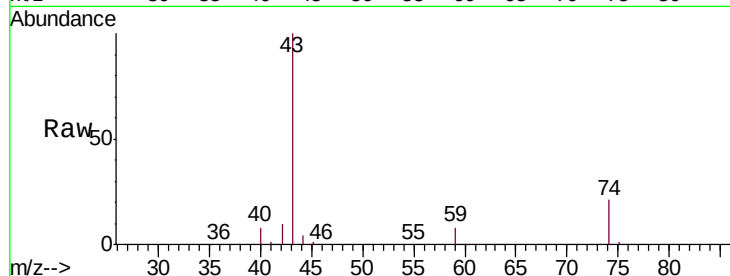




#15
Methyl Acetate
Concen: 134.712 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

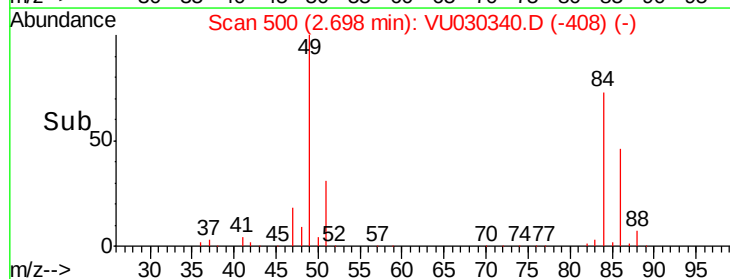
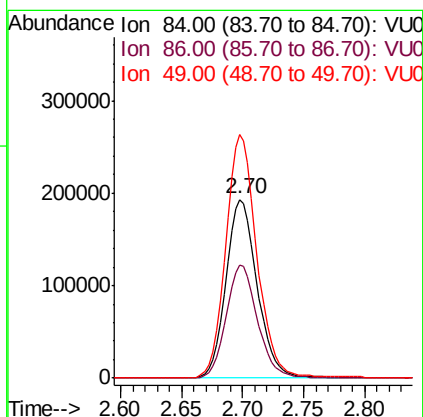
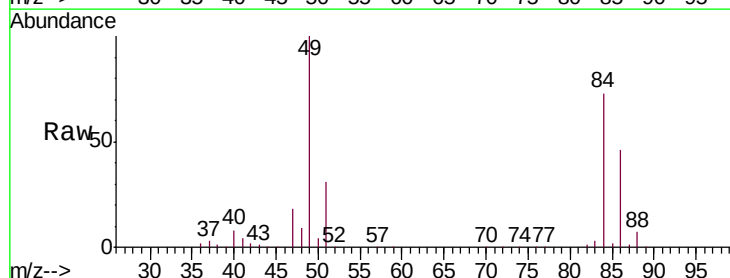
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

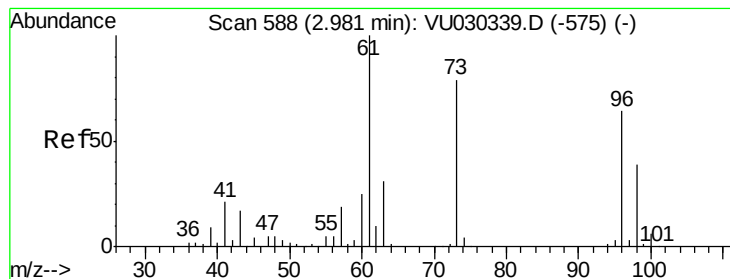
Tgt Ion: 43 Resp: 494949
Ion Ratio Lower Upper
43 100
74 20.7 0.0 0.0#



#16
Methylene chloride
Concen: 103.283 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 84 Resp: 345937
Ion Ratio Lower Upper
84 100
86 63.1 44.3 82.3
49 136.2 94.9 176.3





#17

trans-1,2-Dichloroethene

Concen: 99.148 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10048

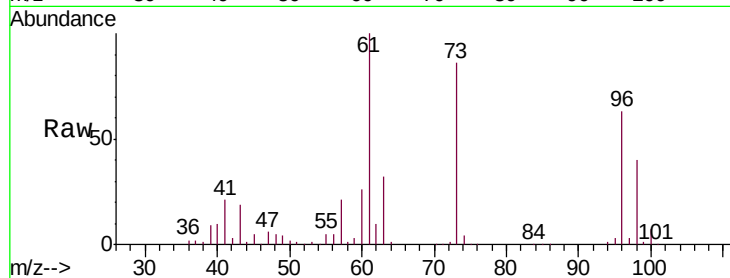
Tgt Ion: 96 Resp: 306733

Ion Ratio Lower Upper

96 100

61 158.5 108.6 201.8

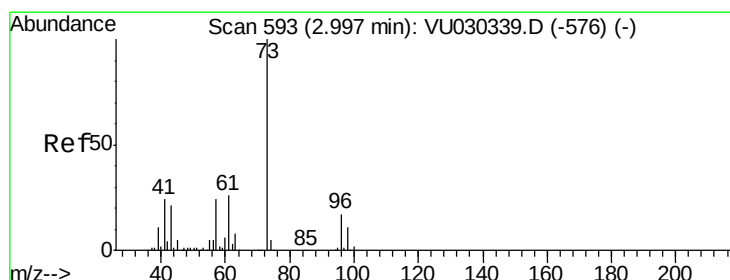
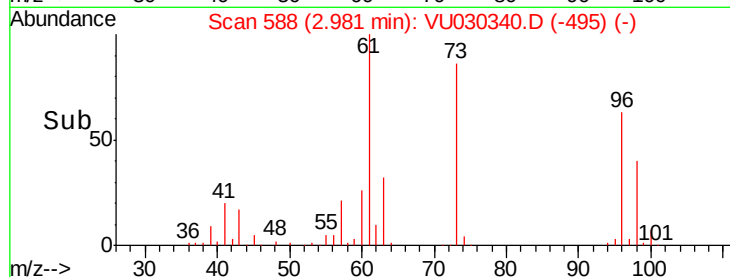
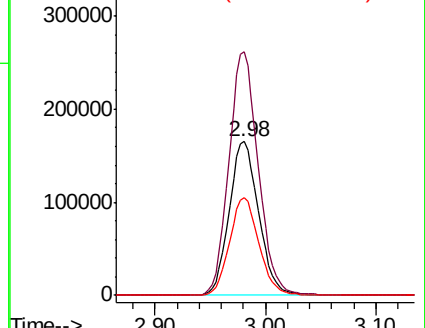
98 63.4 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU030339.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU030339.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU030339.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 113.367 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

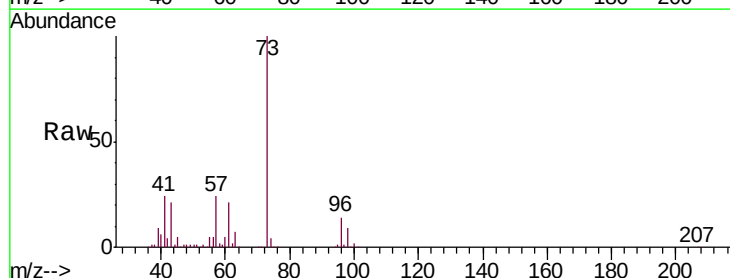
Tgt Ion: 73 Resp: 1037357

Ion Ratio Lower Upper

73 100

43 20.4 16.6 24.8

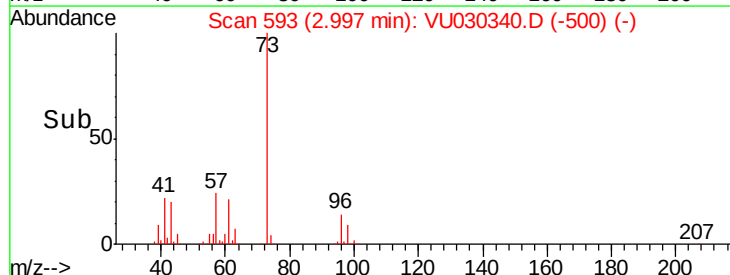
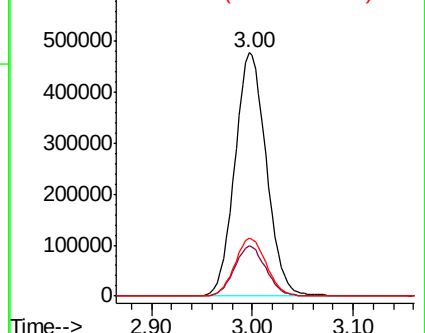
57 23.9 18.9 28.3

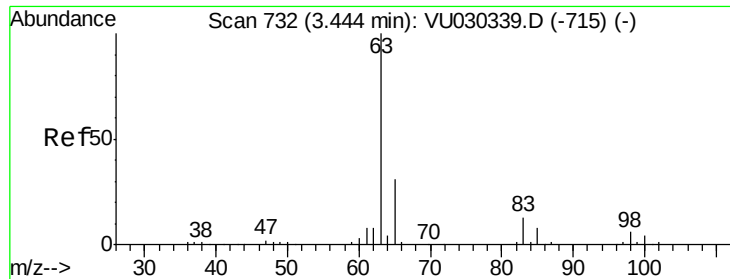


Abundance Ion 73.00 (72.70 to 73.70): VU030339.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030339.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU030339.D (-576) (-)

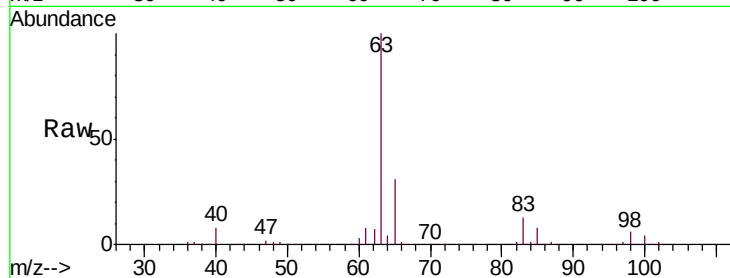




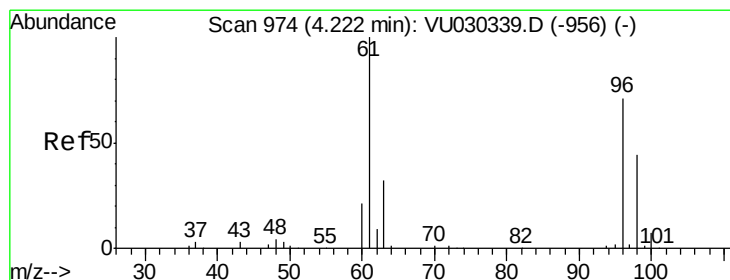
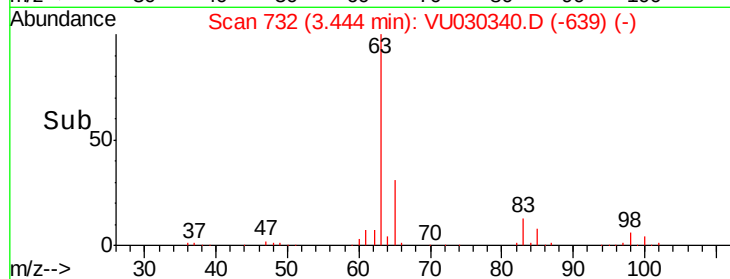
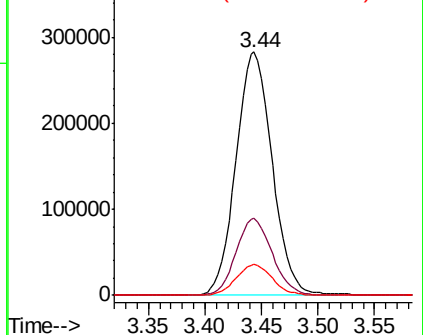
#19
 1,1-Dichloroethane
 Concen: 114.771 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

Tgt Ion: 63 Resp: 632149
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 12.7 9.1 16.9

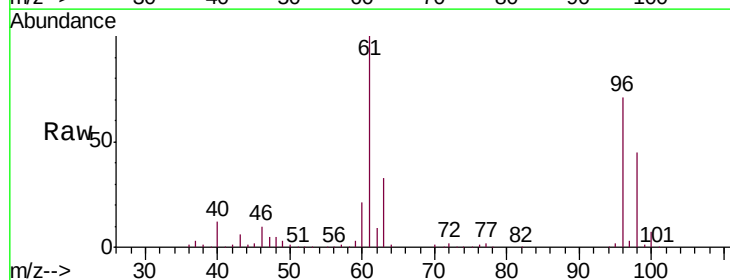


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

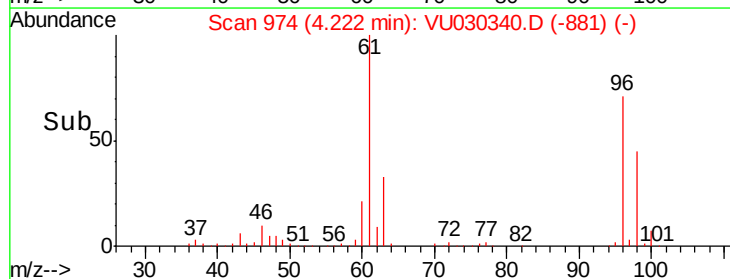
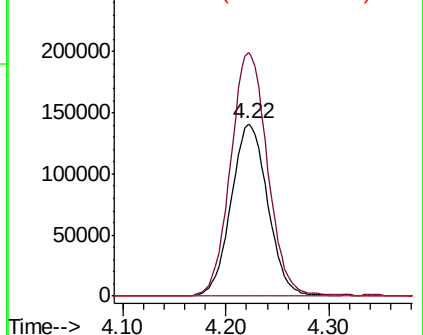


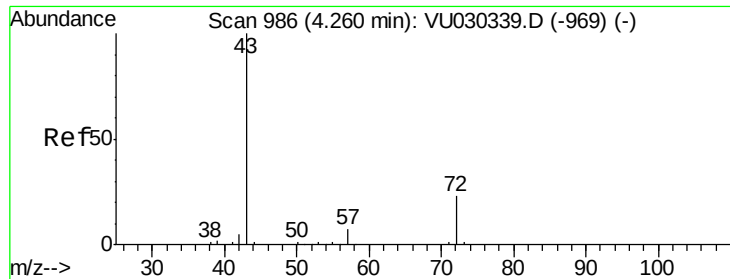
#20
 cis-1,2-Dichloroethene
 Concen: 102.675 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion: 96 Resp: 348278
 Ion Ratio Lower Upper
 96 100
 61 141.4 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





#22

2-Butanone

Concen: 274.383 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

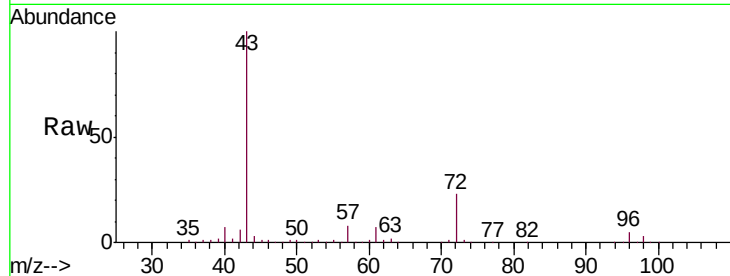
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

Tgt Ion: 43 Resp: 817108

Ion Ratio Lower Upper

43 100

72 23.7 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030339.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU030339.D (-969) (-)

4.26

300000

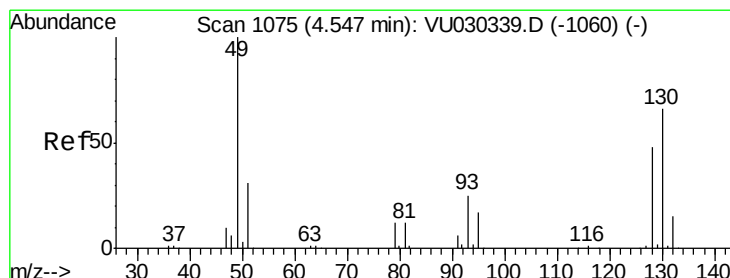
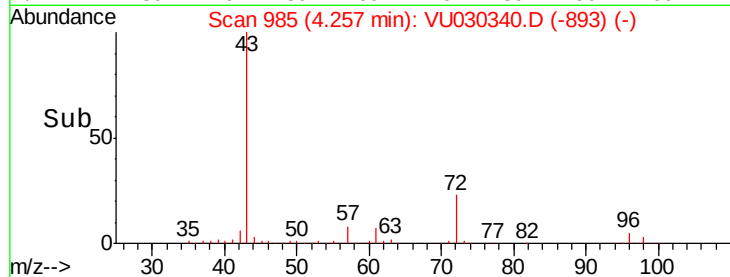
200000

100000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 92.252 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Tgt Ion: 128 Resp: 162802

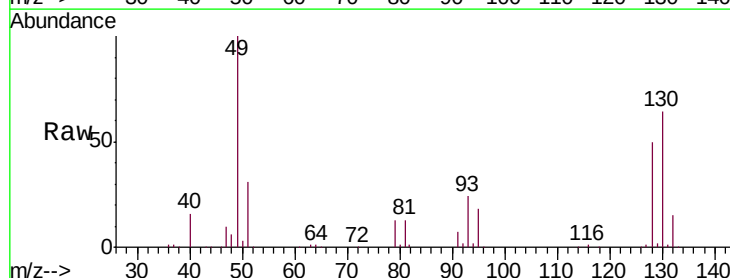
Ion Ratio Lower Upper

128 100

49 199.0 145.5 270.3

130 127.8 95.3 177.1

51 60.9 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030339.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU030339.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU030339.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU030339.D (-1060) (-)

200000

150000

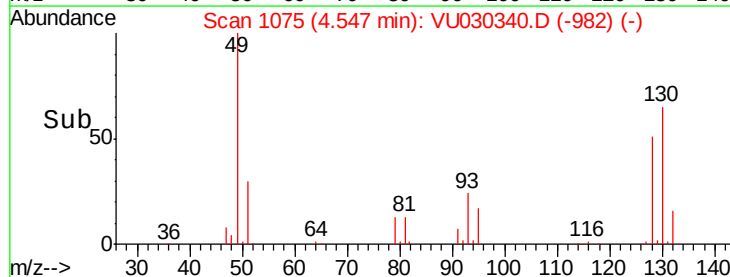
100000

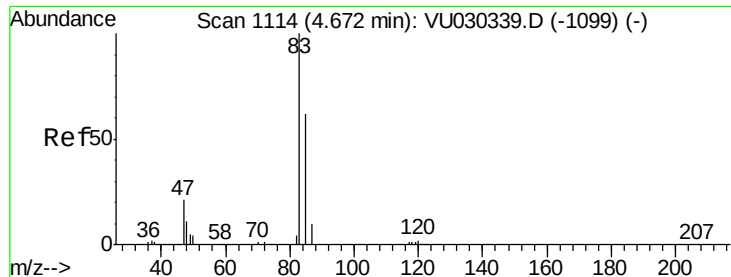
50000

0

4.50 4.60

Time-->

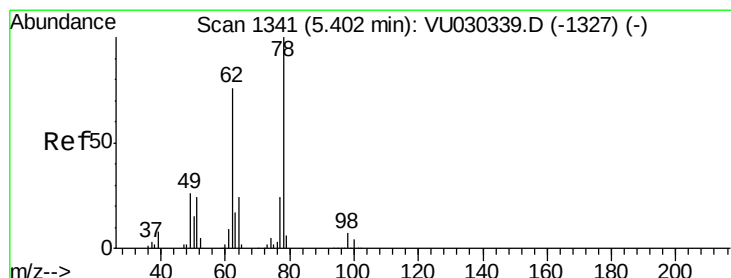
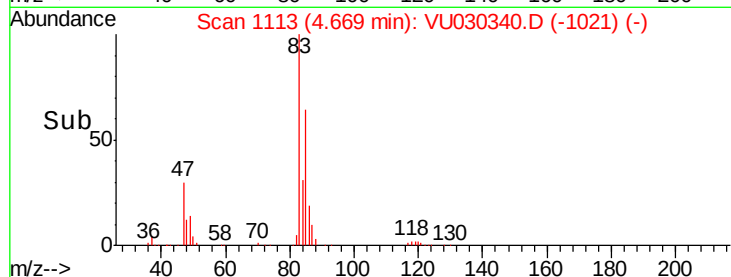
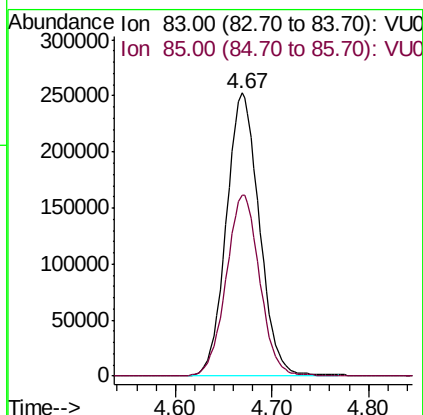
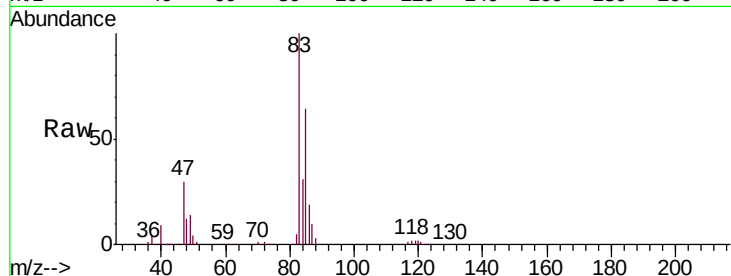




#25
Chloroform
Concen: 106.395 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

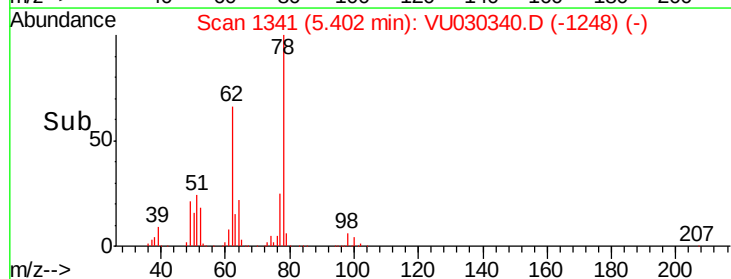
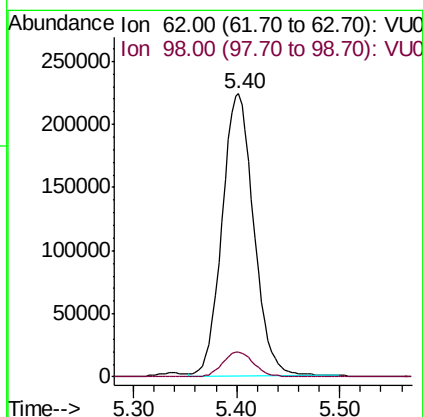
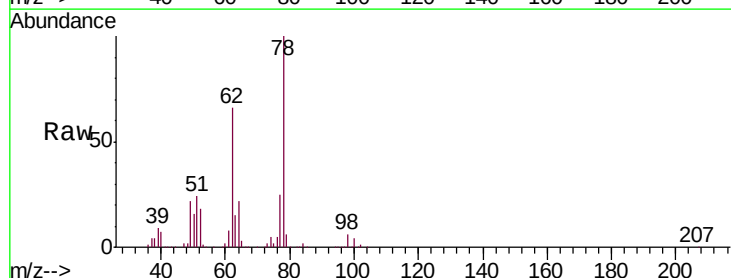
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

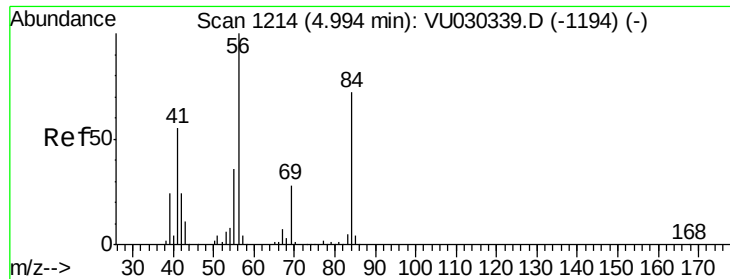
Tgt Ion: 83 Resp: 599054
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.4



#27
1,2-Dichloroethane
Concen: 117.049 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 62 Resp: 479302
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

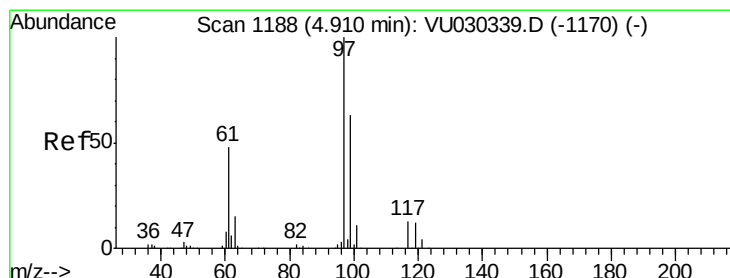
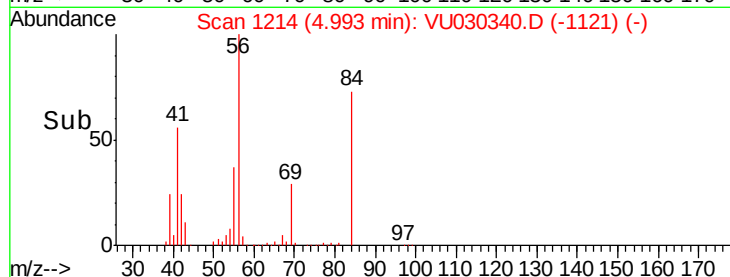
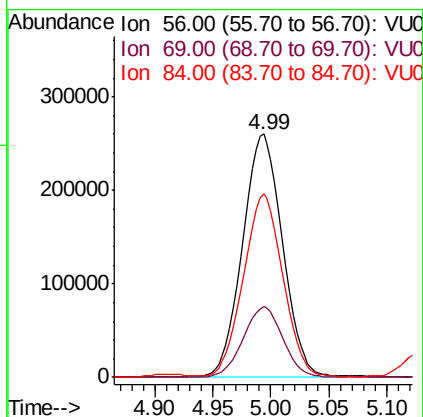
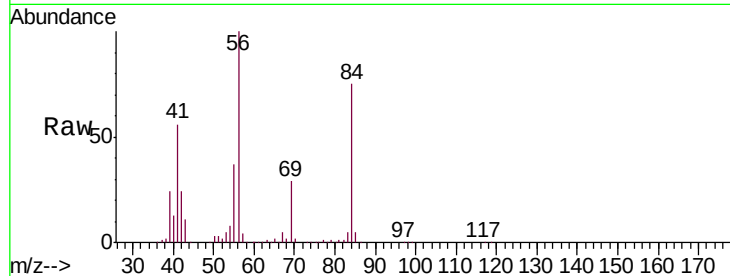




#29
Cyclohexane
Concen: 125.998 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

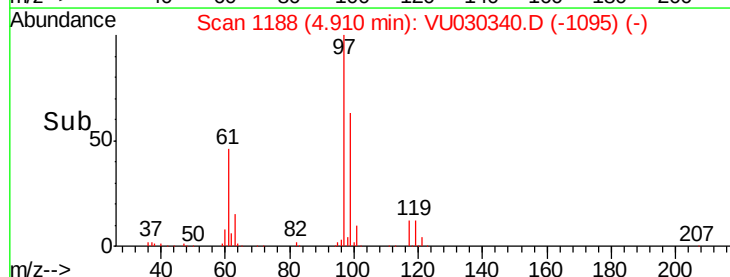
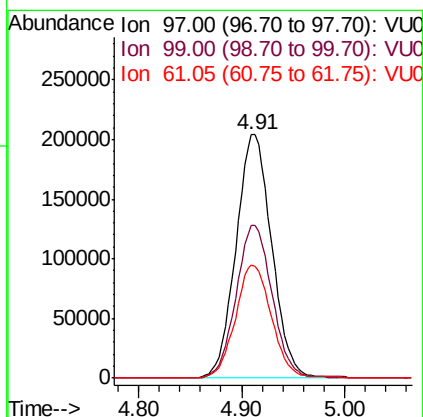
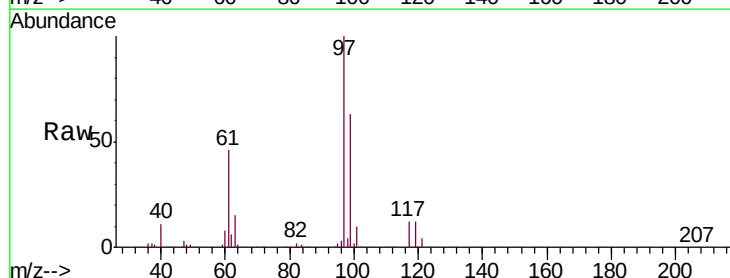
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

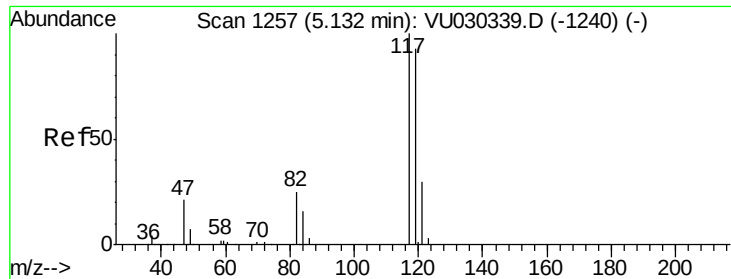
Tgt Ion: 56 Resp: 624972
Ion Ratio Lower Upper
56 100
69 28.7 22.9 34.3
84 73.8 58.9 88.3



#30
1,1,1-Trichloroethane
Concen: 105.443 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 97 Resp: 491601
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 46.8 38.2 57.4

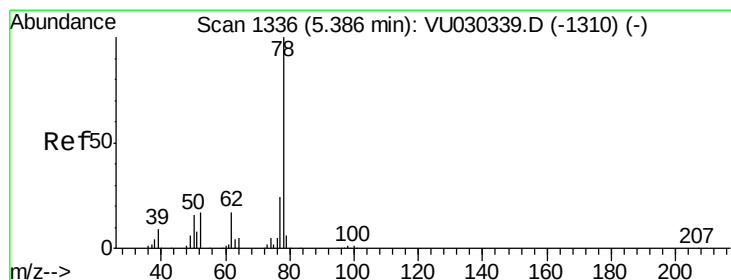
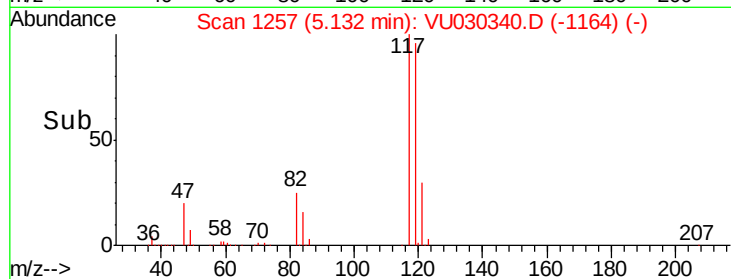
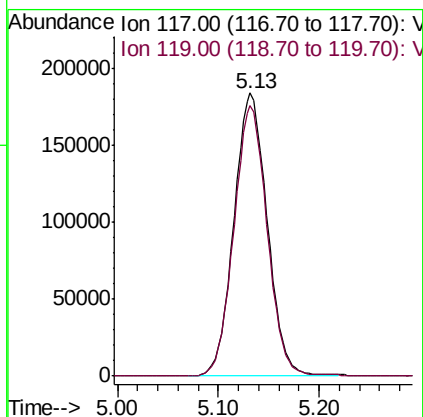
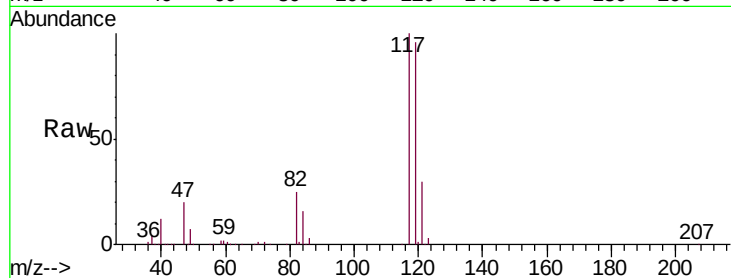




#31
Carbon tetrachloride
Concen: 102.612 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

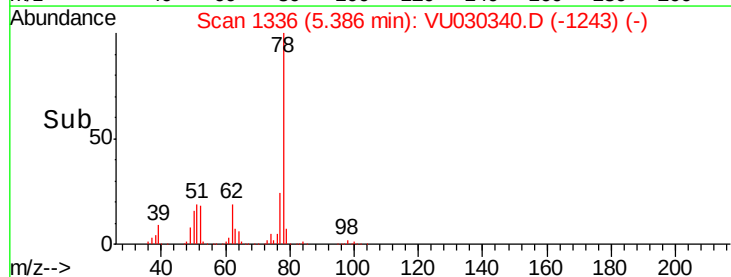
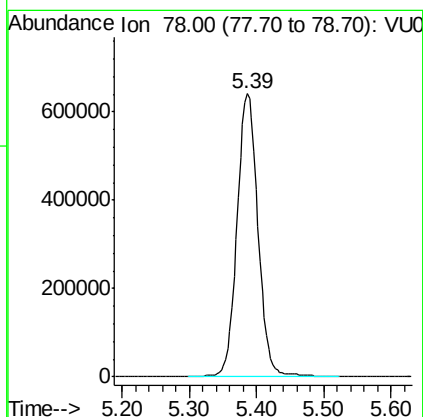
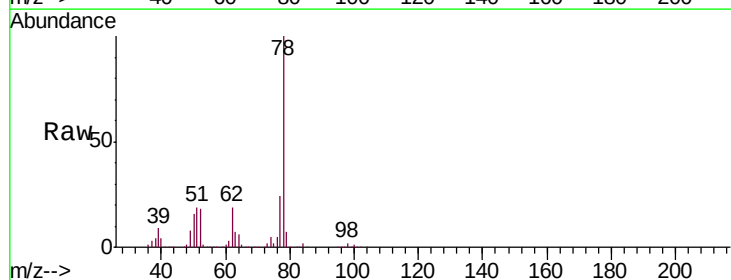
Instrument :
MSVOA_U
ClientSampleId :
VSTD10048

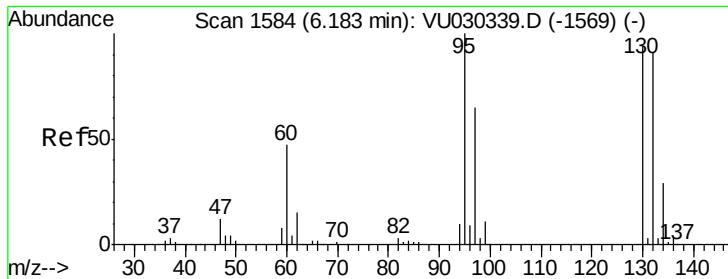
Tgt Ion:117 Resp: 422003
Ion Ratio Lower Upper
117 100
119 95.1 75.4 113.2



#33
Benzene
Concen: 109.809 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 78 Resp: 1386686





#34

Trichloroethene

Concen: 101.887 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10048

Tgt Ion: 95 Resp: 334573

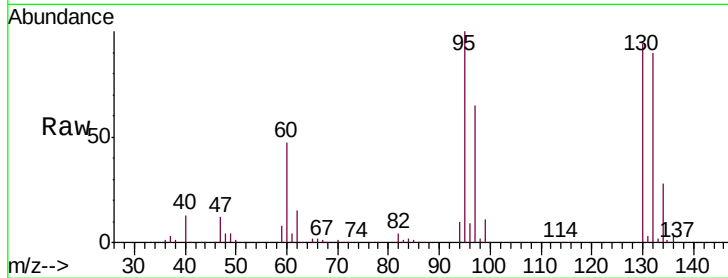
Ion Ratio Lower Upper

95 100

97 64.7 45.7 84.9

132 90.1 63.8 118.4

130 94.4 65.7 121.9

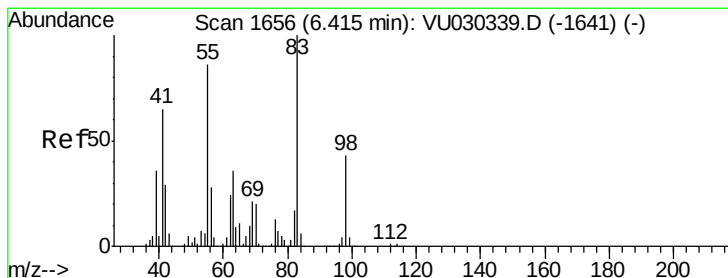
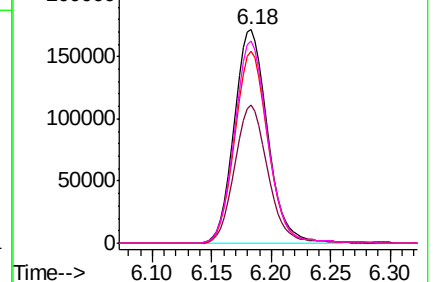
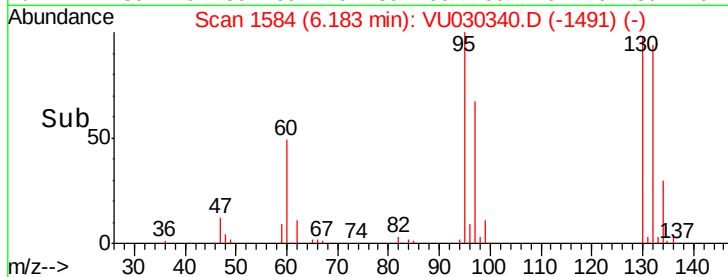


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 109.916 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

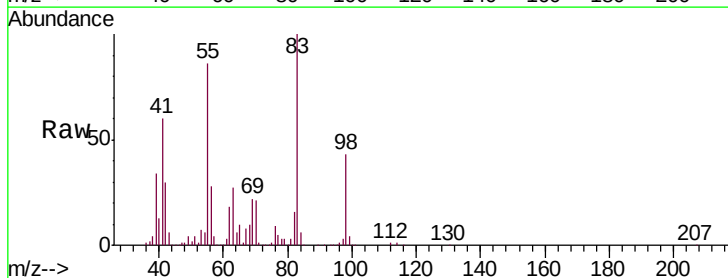
Tgt Ion: 83 Resp: 567170

Ion Ratio Lower Upper

83 100

55 86.4 71.4 107.0

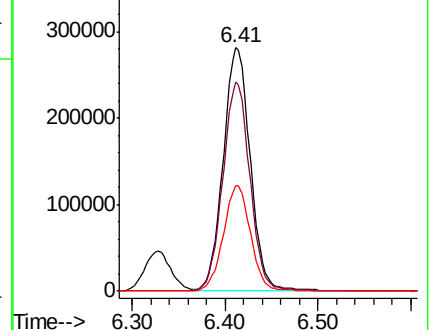
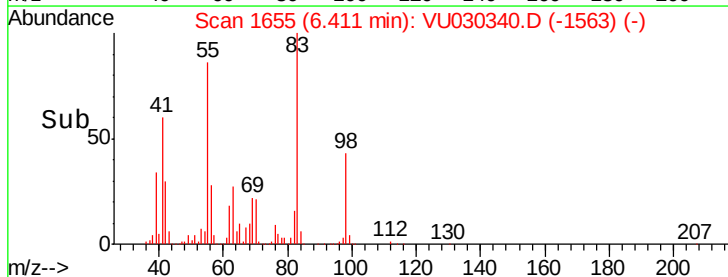
98 43.8 36.0 54.0

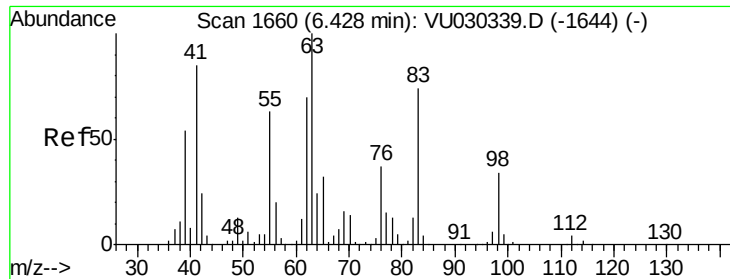


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

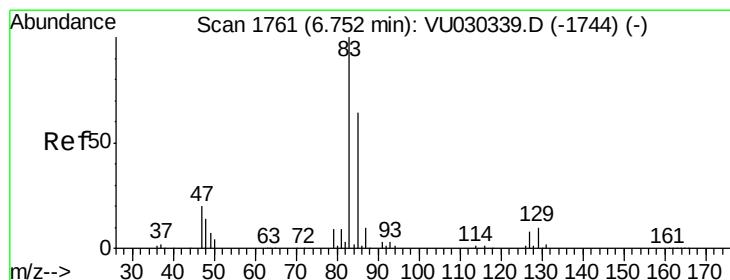
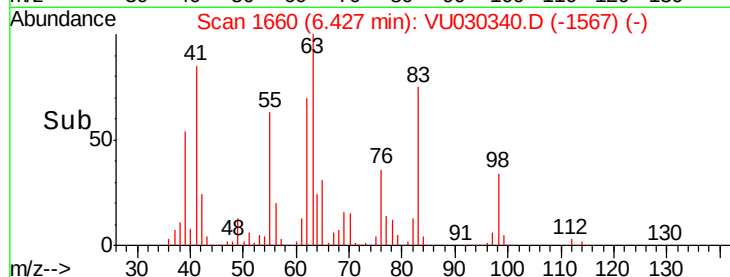
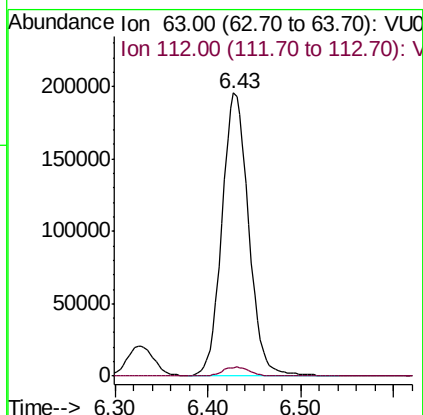
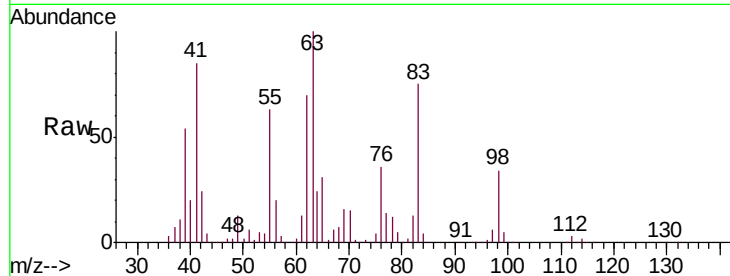




#37
 1,2-Dichloropropane
 Concen: 117.684 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

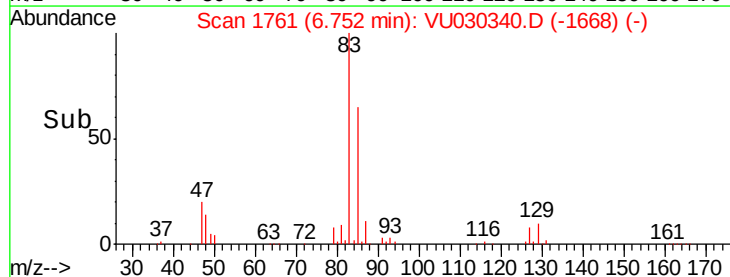
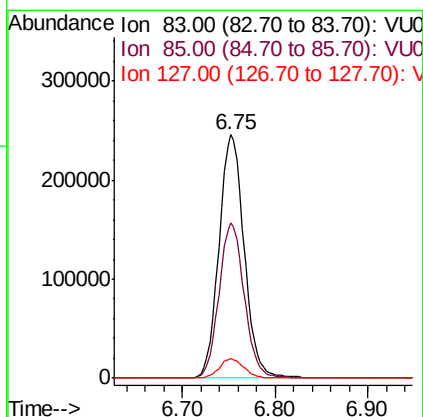
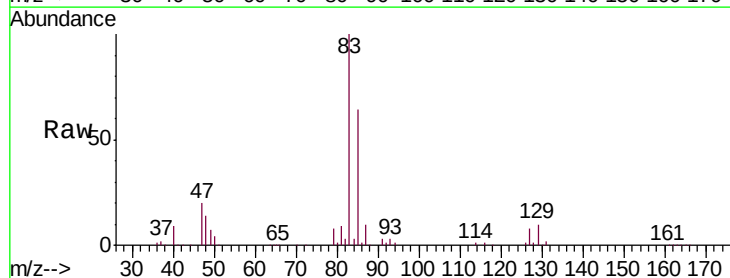
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

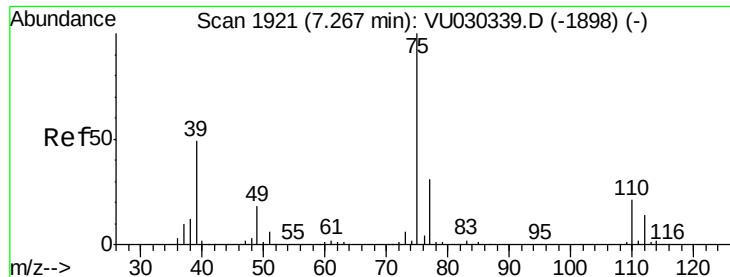
Tgt Ion: 63 Resp: 388906
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 4.0



#38
 Bromodichloromethane
 Concen: 110.702 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion: 83 Resp: 461267
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.0 83.6
 127 7.8 6.6 10.0

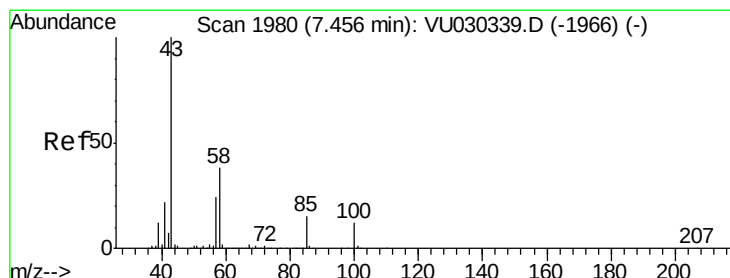
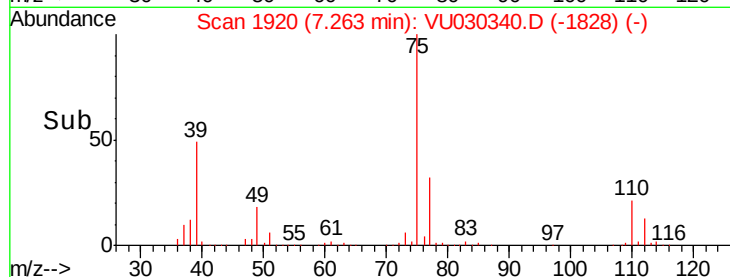
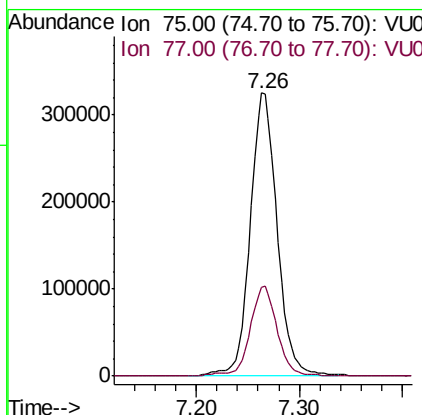
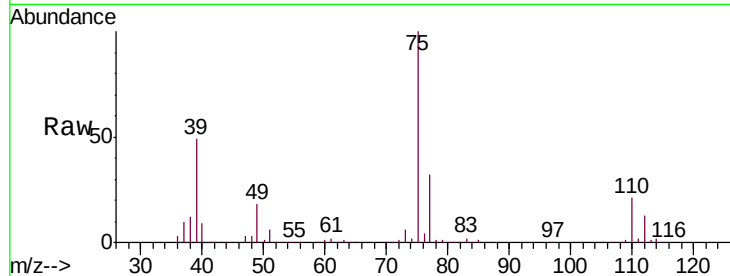




#39
 cis-1,3-Dichloropropene
 Concen: 113.138 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

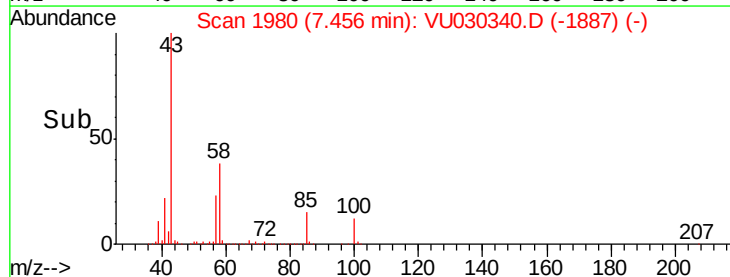
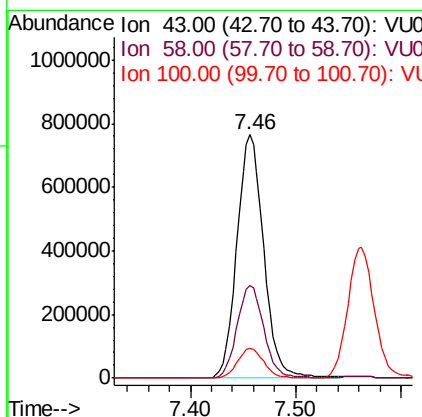
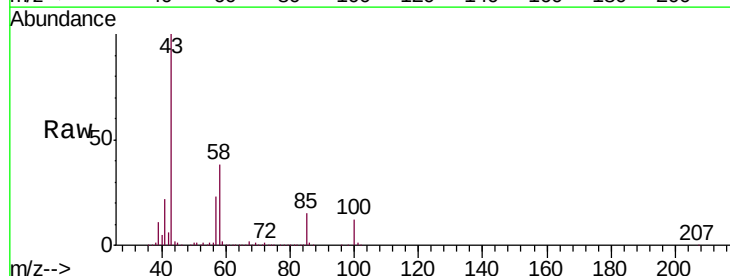
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

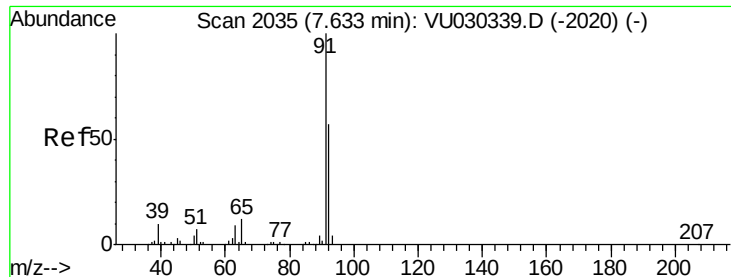
Tgt Ion: 75 Resp: 589433
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 279.504 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion: 43 Resp: 1342596
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 45.8
 100 12.0 9.5 14.3





#42

Toluene

Concen: 105.898 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

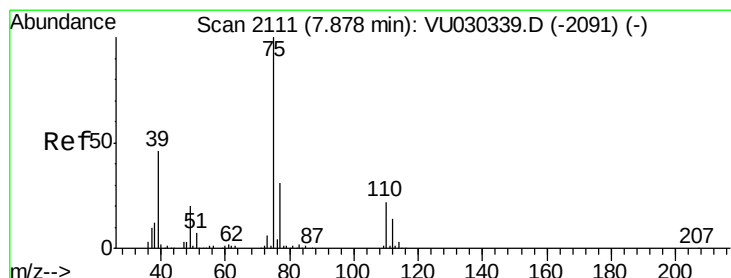
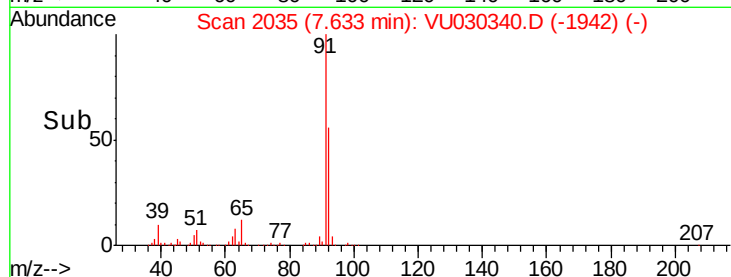
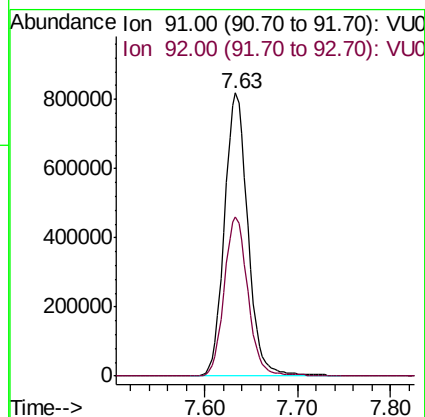
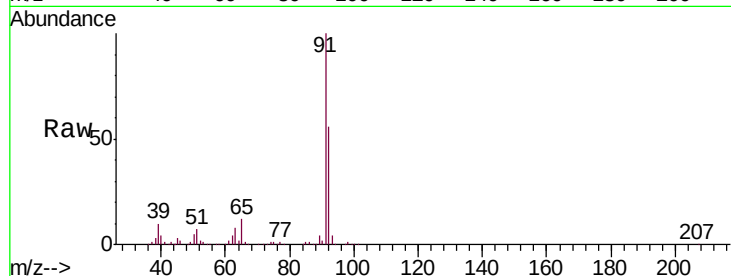
VSTD10048

Tgt Ion: 91 Resp: 1440607

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 116.043 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030340.D

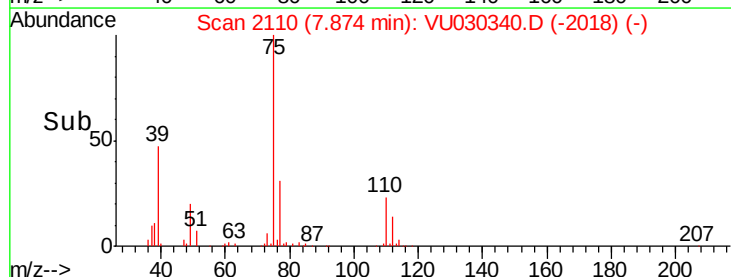
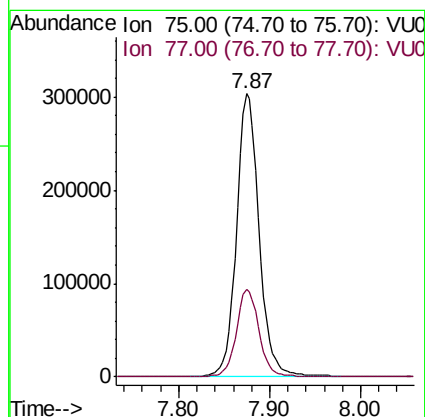
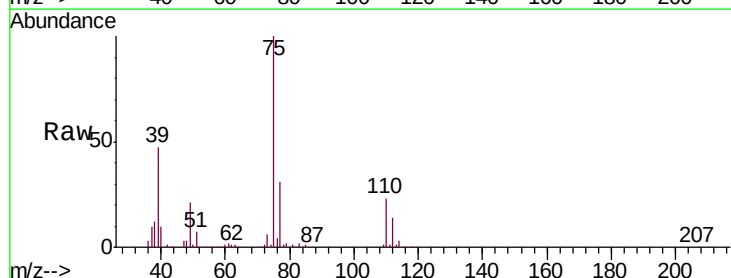
Acq: 23 Mar 2019 14:36

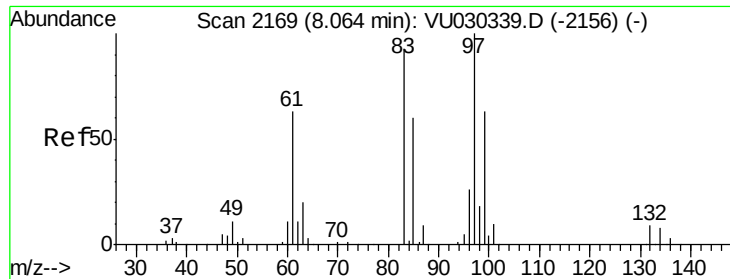
Tgt Ion: 75 Resp: 524260

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8

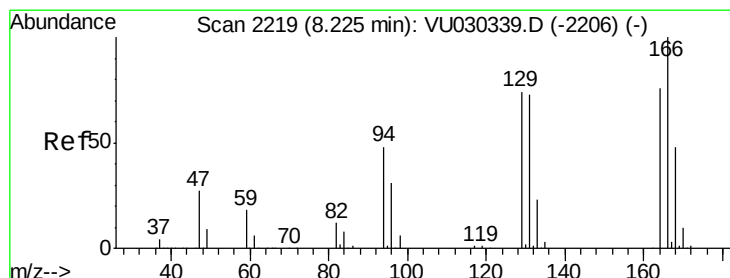
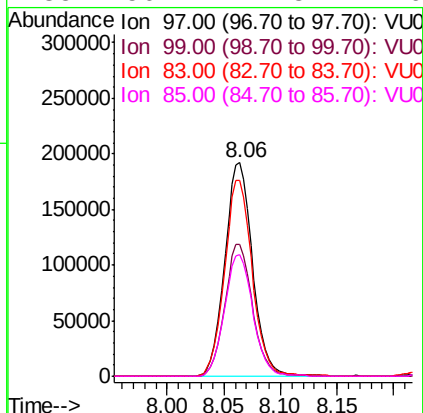
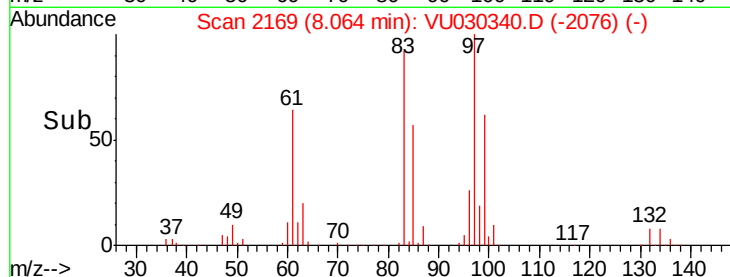
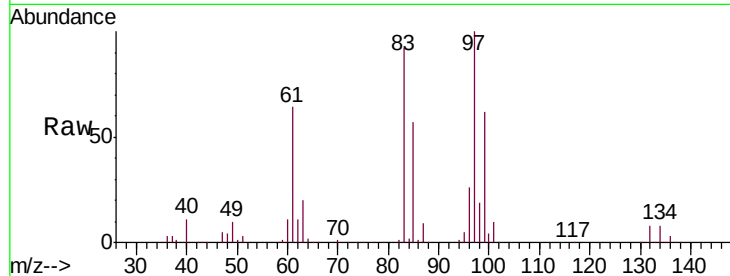




#45
 1,1,2-Trichloroethane
 Concen: 100.892 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

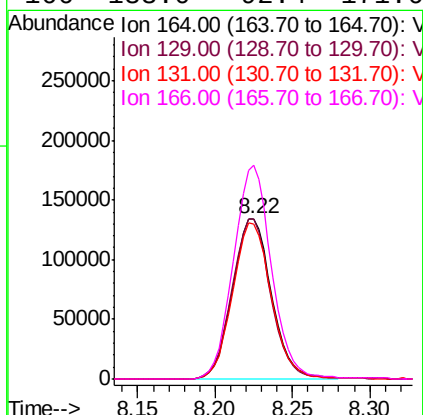
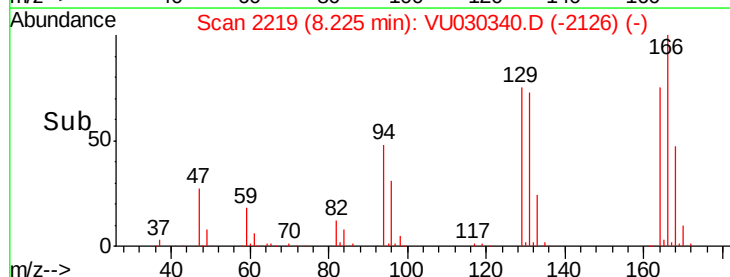
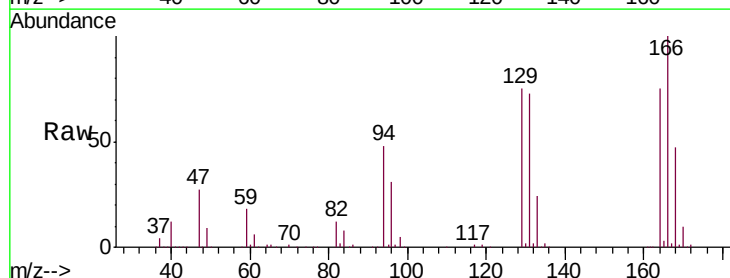
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

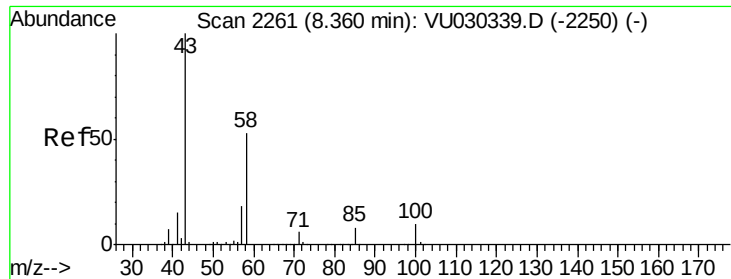
Tgt Ion:	97	Resp:	327984
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.0	81.8
83	91.7	65.3	121.3
85	56.7	41.8	77.6



#46
 Tetrachloroethene
 Concen: 87.796 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion:	164	Resp:	234605
Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.1	126.5
131	96.7	67.7	125.7
166	133.0	92.4	171.6

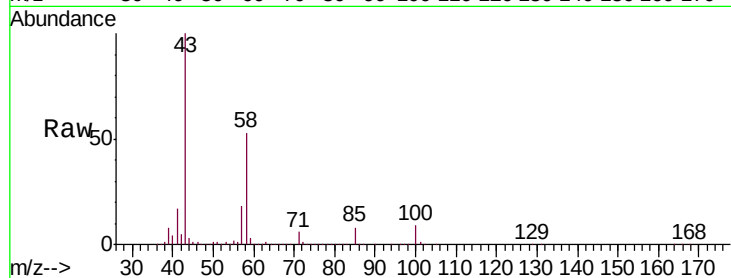




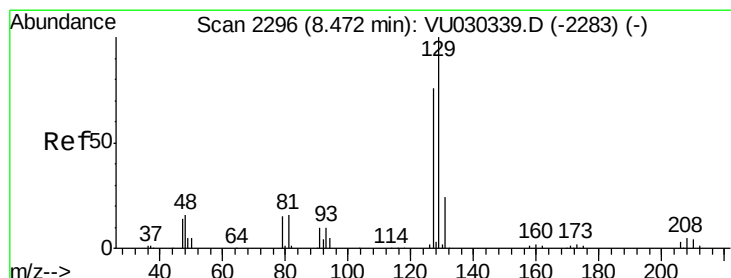
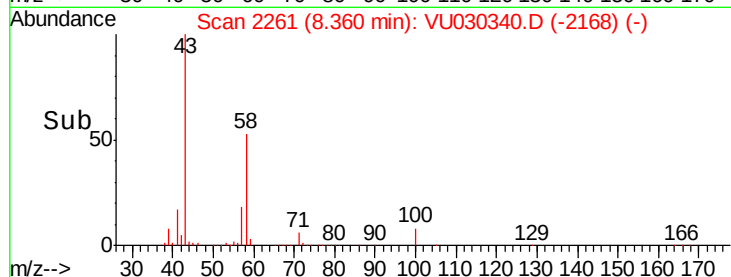
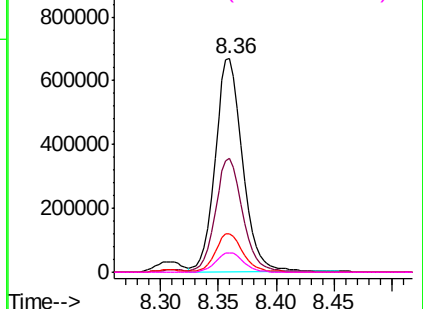
#48
2-Hexanone
Concen: 275.902 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Instrument :
MSVOA_U
ClientSampleID :
VSTD10048

Tgt Ion: 43 Resp: 1097750
Ion Ratio Lower Upper
43 100
58 53.4 42.5 63.7
57 18.2 15.0 22.6
100 9.3 7.4 11.2

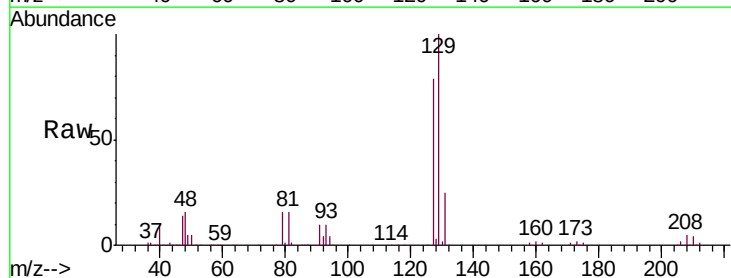


Abundance Ion 43.00 (42.70 to 43.70): VU030339.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU030339.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU030339.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU030339.D (-2250) (-)

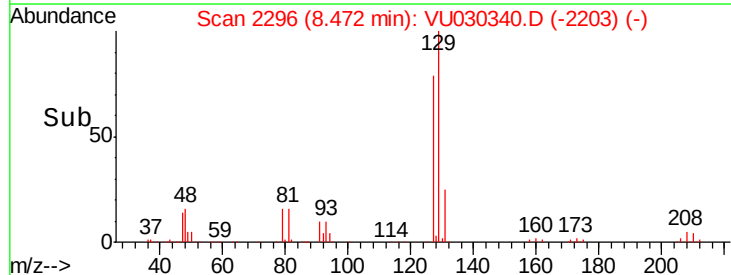
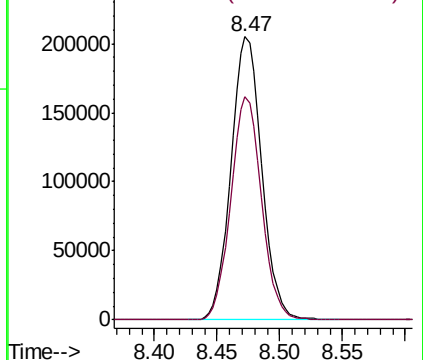


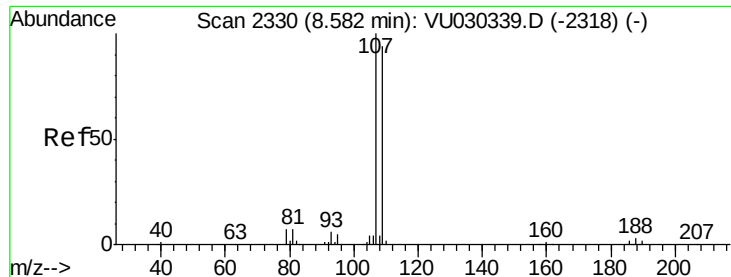
#49
Dibromochloromethane
Concen: 96.961 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030340.D
Acq: 23 Mar 2019 14:36

Tgt Ion: 129 Resp: 349323
Ion Ratio Lower Upper
129 100
127 79.0 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): VU030339.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU030339.D (-2283) (-)





#50

1,2-Dibromoethane

Concen: 100.037 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

VSTD10048

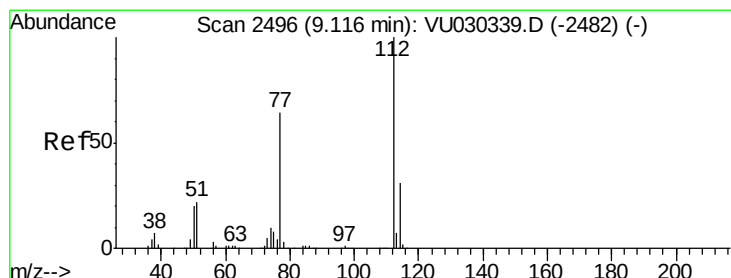
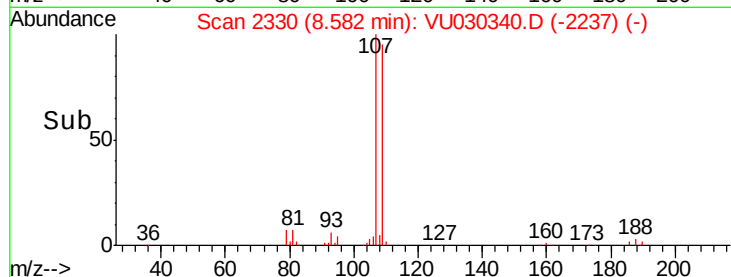
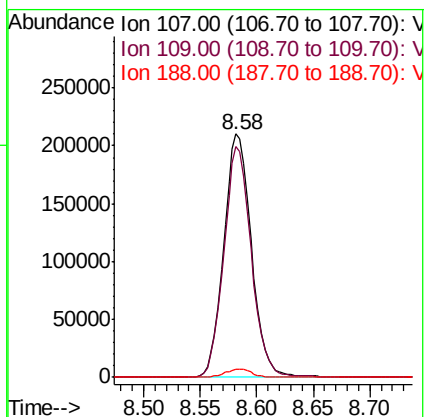
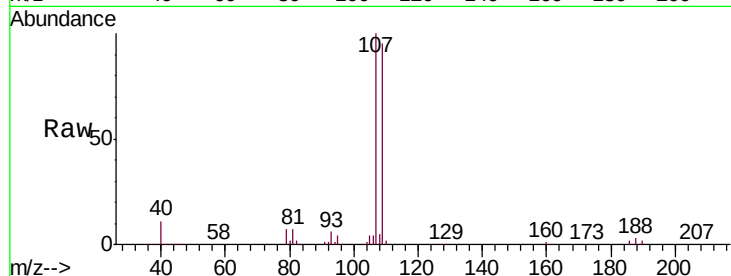
Tgt Ion:107 Resp: 358226

Ion Ratio Lower Upper

107 100

109 94.8 65.8 122.2

188 3.2 2.6 4.0



#51

Chlorobenzene

Concen: 97.416 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

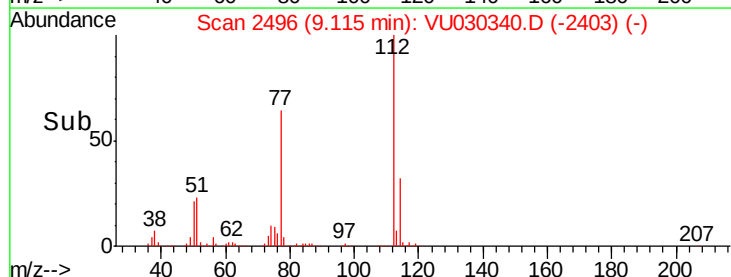
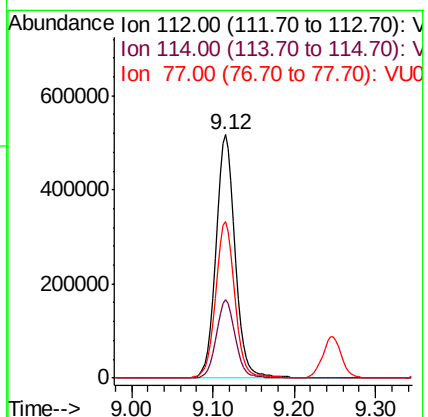
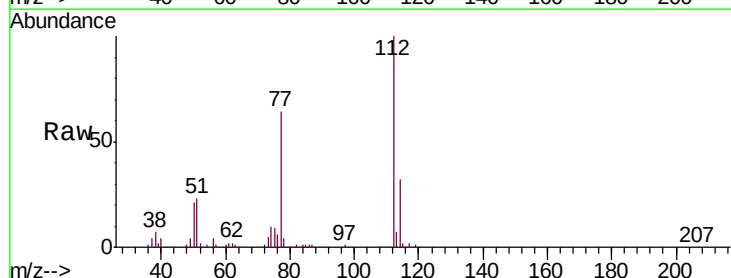
Tgt Ion:112 Resp: 862467

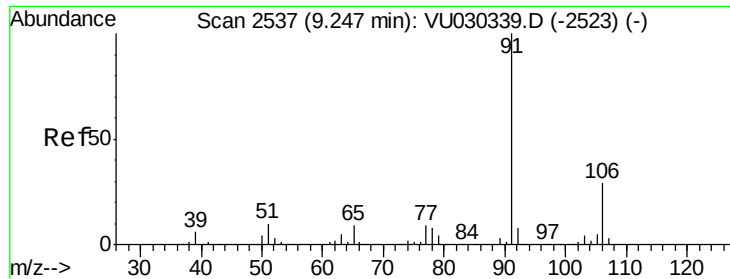
Ion Ratio Lower Upper

112 100

114 32.4 21.5 39.9

77 64.1 51.4 77.0





#52

Ethylbenzene

Concen: 107.061 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

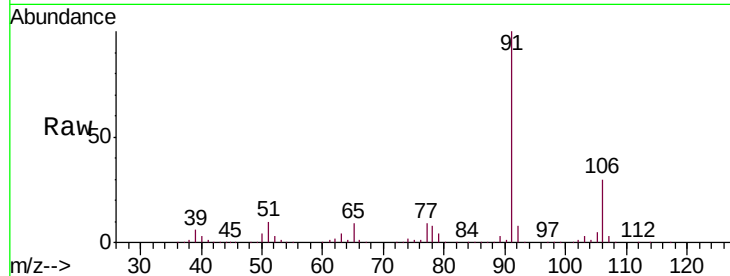
VSTD10048

Tgt Ion: 91 Resp: 1584290

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU030339.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU030339.D (-2523) (-)

9.25

1000000

800000

600000

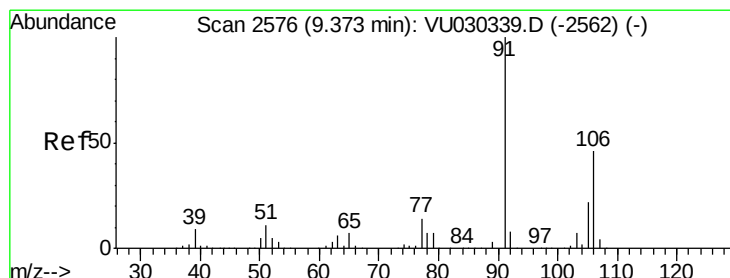
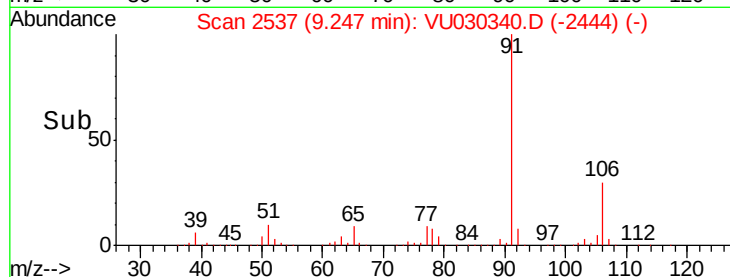
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 102.597 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030340.D

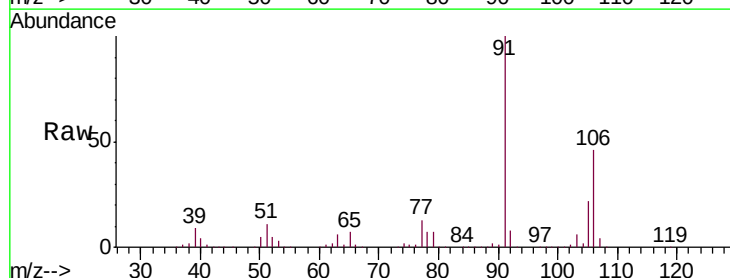
Acq: 23 Mar 2019 14:36

Tgt Ion: 106 Resp: 573933

Ion Ratio Lower Upper

106 100

91 215.4 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU030339.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU030339.D (-2562) (-)

9.37

800000

600000

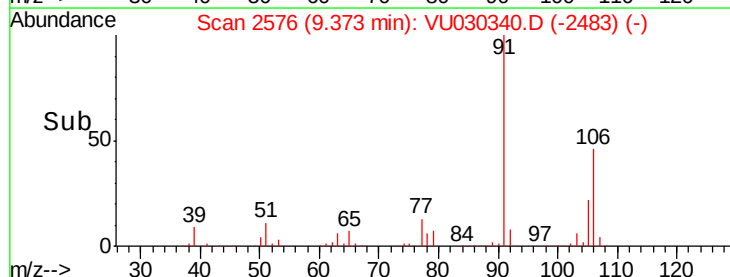
400000

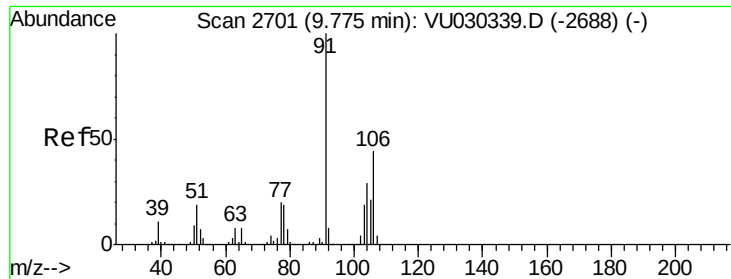
200000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 102.185 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

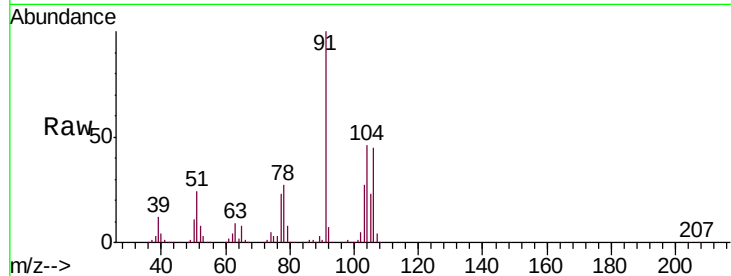
VSTD10048

Tgt Ion:106 Resp: 562928

Ion Ratio Lower Upper

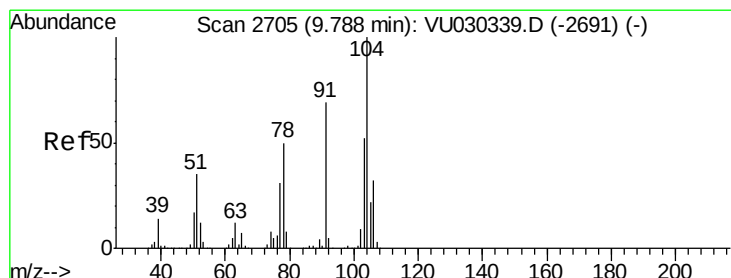
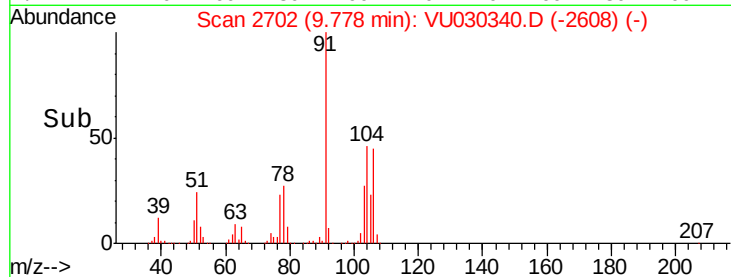
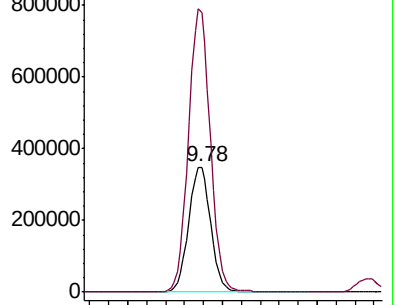
106 100

91 224.3 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 105.783 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030340.D

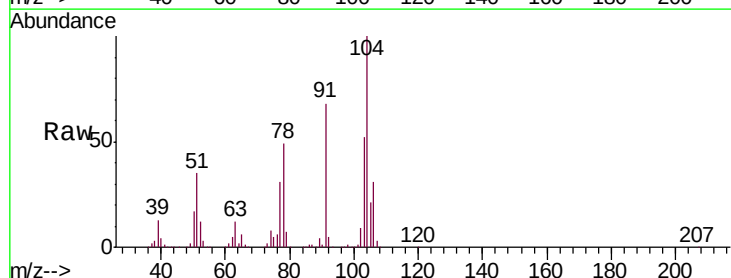
Acq: 23 Mar 2019 14:36

Tgt Ion:104 Resp: 991274

Ion Ratio Lower Upper

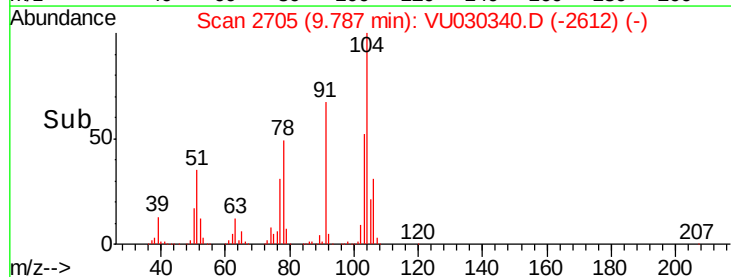
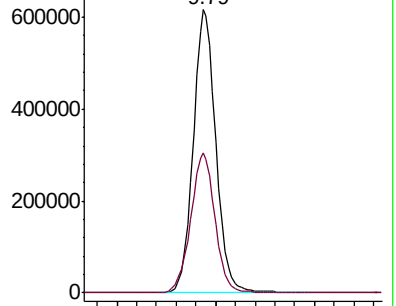
104 100

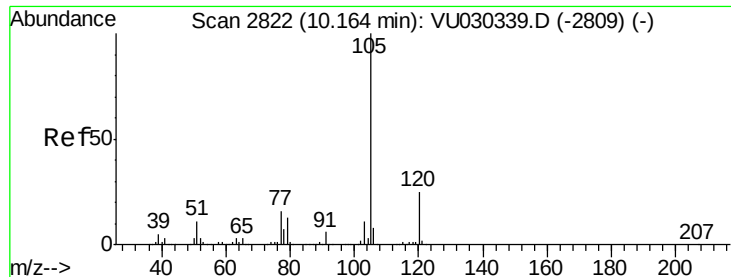
78 49.3 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 103.425 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10048

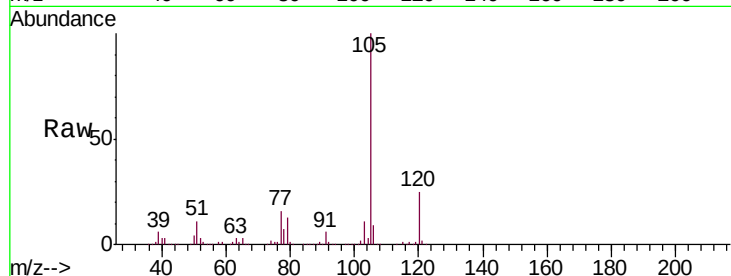
Tgt Ion:105 Resp: 1482075

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

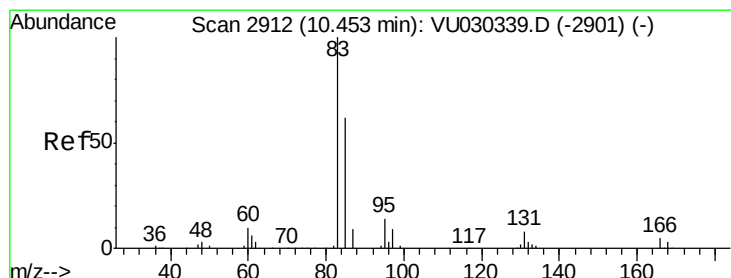
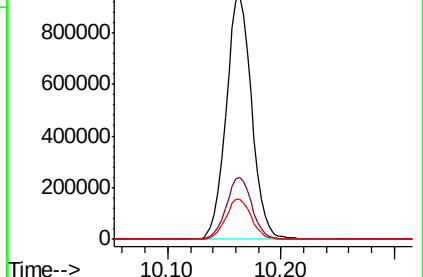
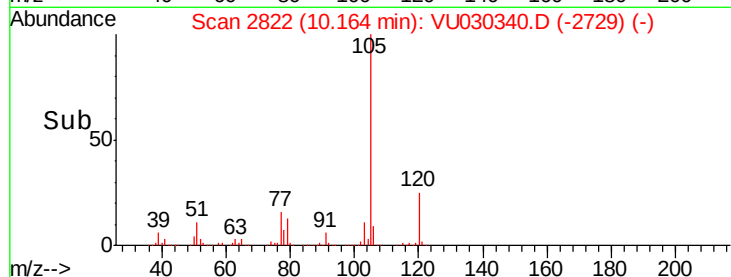
77 16.6 13.2 19.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 107.742 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

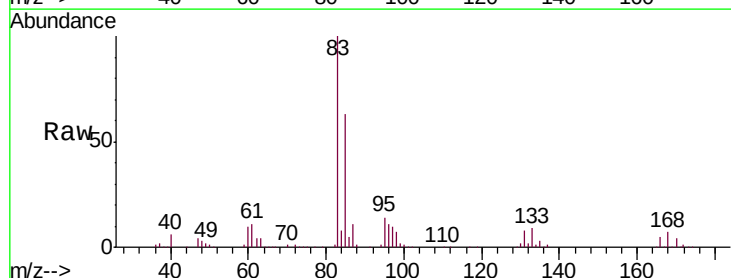
Tgt Ion: 83 Resp: 608563

Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

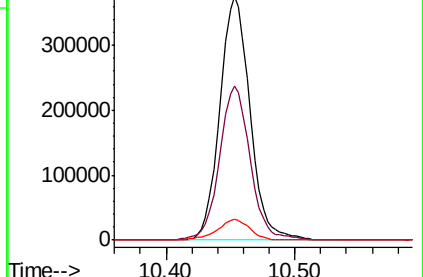
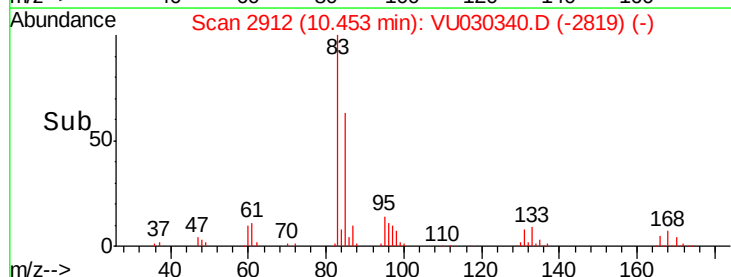
131 8.5 6.7 10.1

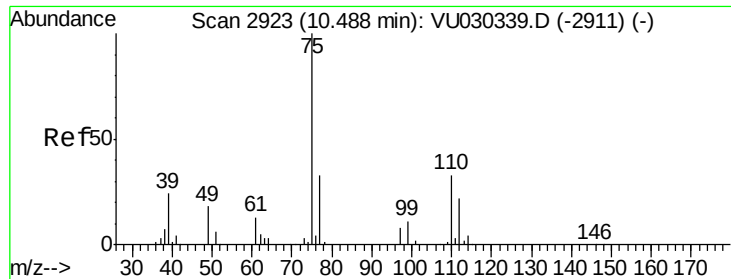


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 107.613 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

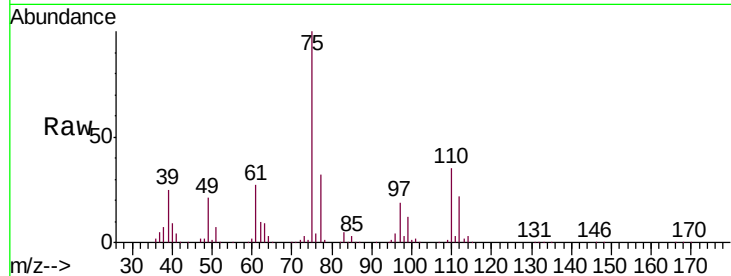
VSTD10048

Tgt Ion: 75 Resp: 472139

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030339.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030339.D (-2911) (-)

10.49

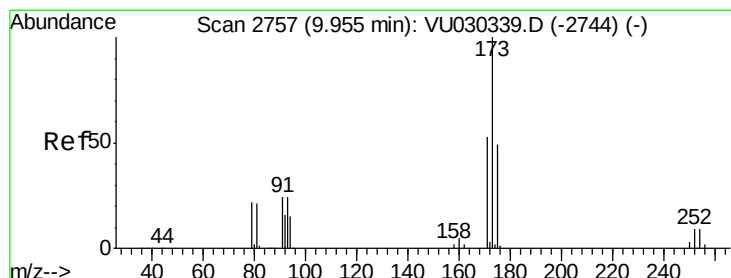
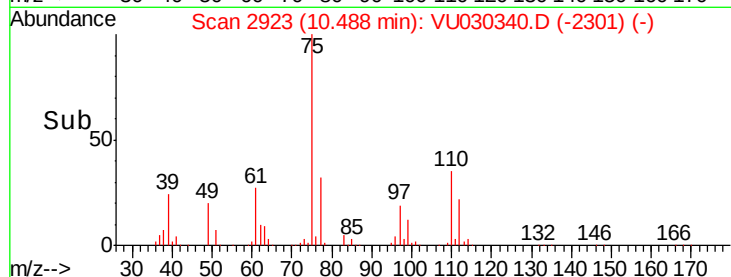
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 98.565 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030340.D

Acq: 23 Mar 2019 14:36

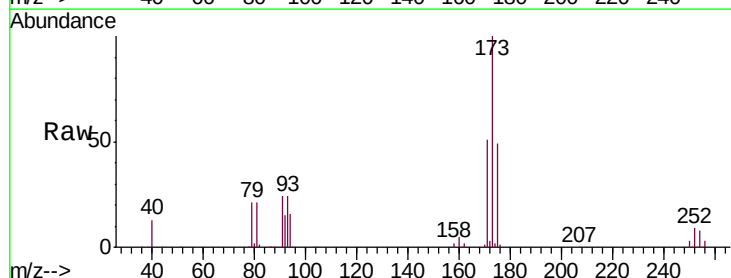
Tgt Ion: 173 Resp: 265432

Ion Ratio Lower Upper

173 100

175 48.3 38.5 57.7

254 8.4 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VU030339.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU030339.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU030339.D (-2744) (-)

9.95

200000

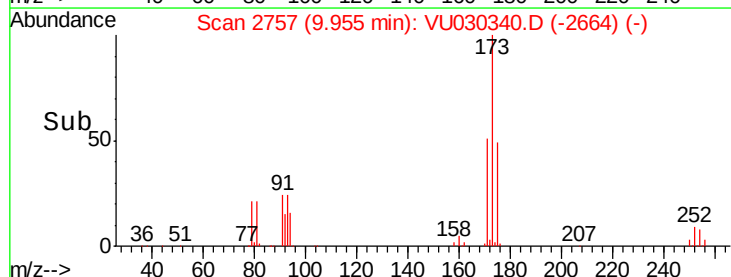
150000

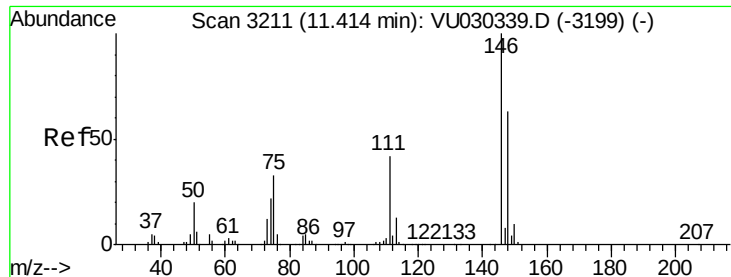
100000

50000

0

Time-->

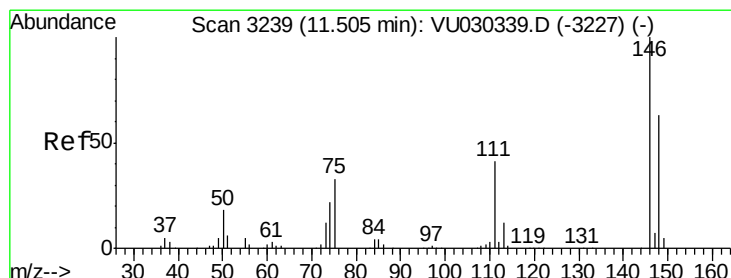
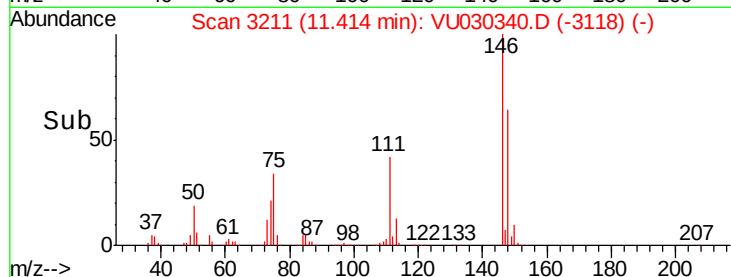
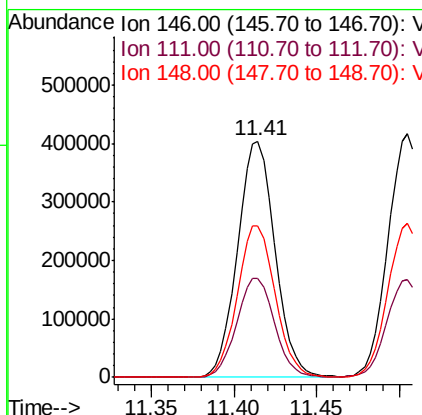
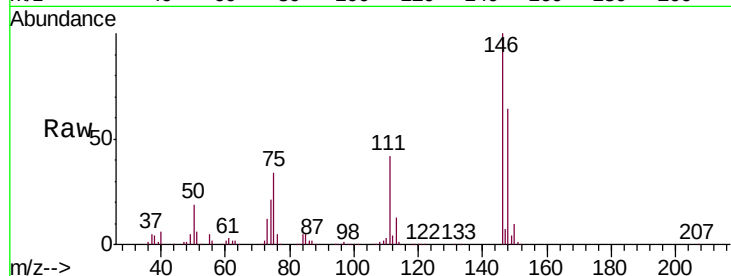




#62
 1,3-Dichlorobenzene
 Concen: 95.533 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

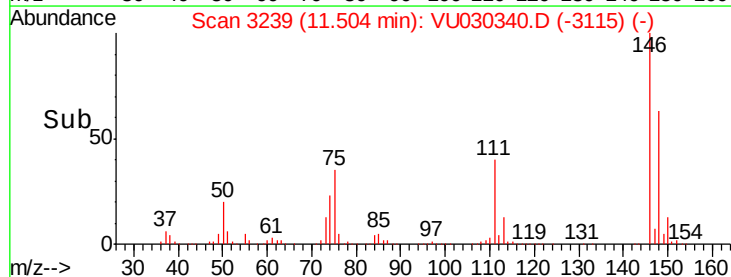
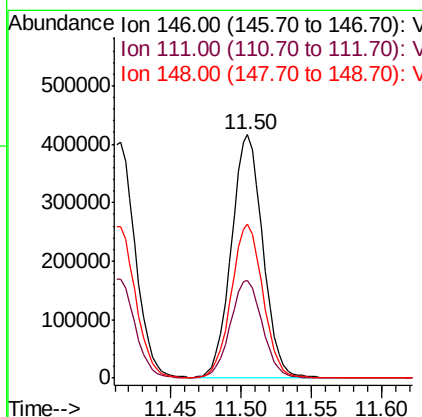
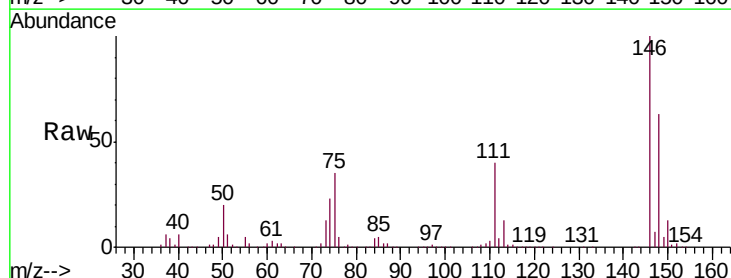
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

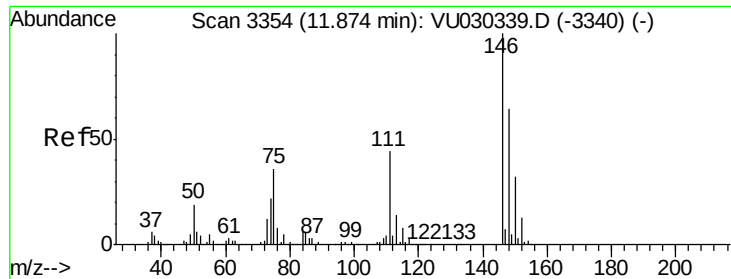
Tgt Ion:146 Resp: 635906
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 64.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 94.027 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion:146 Resp: 648533
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.7 53.3
 148 63.1 44.3 82.3

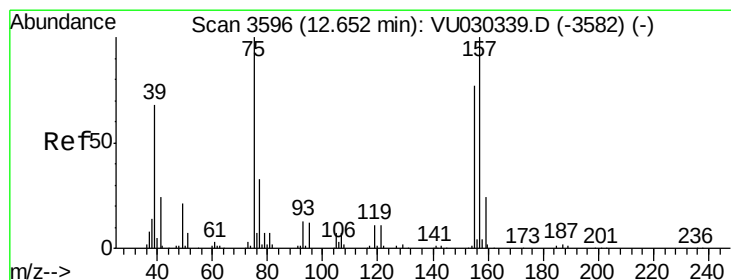
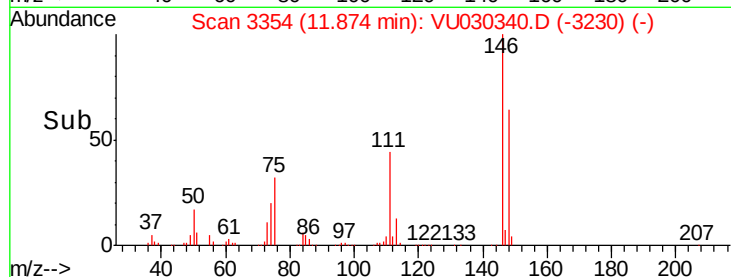
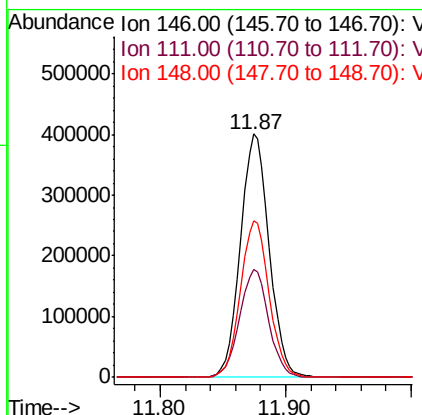
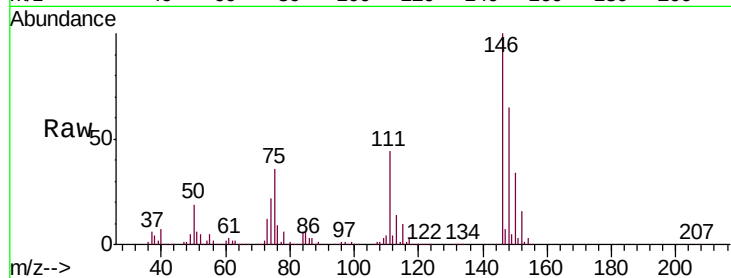




#65
 1,2-Dichlorobenzene
 Concen: 93.914 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10048

Tgt Ion: 146 Resp: 637323
 Ion Ratio Lower Upper
 146 100
 111 44.1 34.9 52.3
 148 64.5 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 120.300 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030340.D
 Acq: 23 Mar 2019 14:36

Tgt Ion: 75 Resp: 145737
 Ion Ratio Lower Upper
 75 100
 155 78.8 61.8 92.6
 157 101.3 80.2 120.4

