

Data File : VU030337.D
Acq On : 23 Mar 2019 13:27
Operator : JC/SP
Sample : VSTD00545
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Quant Time: Mar 24 01:44:52 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	427537	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	405786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	185089	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16968	5.64	ug/L	0.00
7) Chloroethane-d5	1.68	69	13231	5.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	33237	5.97	ug/L	0.00
21) 2-Butanone-d5	4.19	46	24519	10.22	ug/L	0.02
24) Chloroform-d	4.65	84	28406	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	19630	6.11	ug/L	0.00
32) Benzene-d6	5.34	84	55864	5.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	18225	5.26	ug/L	0.00
41) Toluene-d8	7.56	98	48376	4.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8724	5.22	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	18010	9.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26819	5.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18919	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	26947	6.971 ug/L	99
3) Chloromethane	1.33	50	30618	7.852 ug/L	97
5) Vinyl chloride	1.40	62	28444	7.123 ug/L	99
6) Bromomethane	1.63	94	13227	6.392 ug/L	99
8) Chloroethane	1.70	64	15918	6.814 ug/L	96
9) Trichlorofluoromethane	1.89	101	30333	6.197 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17617	6.000 ug/L	96
12) 1,1-Dichloroethene	2.28	96	17004	5.853 ug/L	99
13) Acetone	2.32	43	39323	15.798 ug/L	99
14) Carbon disulfide	2.48	76	57172	6.443 ug/L	100
15) Methyl Acetate	2.62	43	26078	7.145 ug/L #	100
16) Methylene chloride	2.70	84	20082	6.036 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	18135	5.901 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	57644	6.342 ug/L	99
19) 1,1-Dichloroethane	3.44	63	36508	6.672 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	19995	5.934 ug/L	98
22) 2-Butanone	4.27	43	38749	13.099 ug/L	99
23) Bromochloromethane	4.55	128	9256	5.280 ug/L	98
25) Chloroform	4.67	83	34971	6.252 ug/L	97
27) 1,2-Dichloroethane	5.40	62	27132	6.670 ug/L	97
29) Cyclohexane	4.99	56	33214	6.970 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	28643	6.395 ug/L	95
31) Carbon tetrachloride	5.13	117	24068	6.091 ug/L	99
33) Benzene	5.39	78	77689	6.403 ug/L	100
34) Trichloroethene	6.19	95	20040	6.352 ug/L	93
35) Methylcyclohexane	6.41	83	30978	6.249 ug/L	98
37) 1,2-Dichloropropane	6.43	63	22191	6.990 ug/L #	94
38) Bromodichloromethane	6.76	83	26219	6.550 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	28519	5.698 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	72684	15.750 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	78818	6.031	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	24802	5.714	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	18900	6.052	ug/L	95
46) Tetrachloroethene	8.22	164	13452	5.240	ug/L	90
48) 2-Hexanone	8.36	43	61218	16.015	ug/L	98
49) Dibromochloromethane	8.47	129	18608	5.376	ug/L	94
50) 1,2-Dibromoethane	8.58	107	20109	5.845	ug/L	98
51) Chlorobenzene	9.12	112	49951	5.873	ug/L	96
52) Ethylbenzene	9.25	91	84254	5.926	ug/L	99
53) m,p-Xylene	9.37	106	31198	5.805	ug/L	98
54) o-xylene	9.78	106	29392	5.553	ug/L	93
55) Styrene	9.79	104	49584	5.508	ug/L	94
56) Isopropylbenzene	10.16	105	78276	5.686	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	34336	6.327	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	27411	6.503	ug/L	99
61) Bromoform	9.96	173	13770	5.735	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	35600	5.999	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	37415	6.084	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	35655	5.893	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	7578	7.016	ug/L	85
67) 1,3,5-Trichlorobenzene	12.89	180	25199	5.468	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	21842	5.369	ug/L	99
69) Naphthalene	13.75	128	94143	7.223	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	24991	5.921	ug/L	98

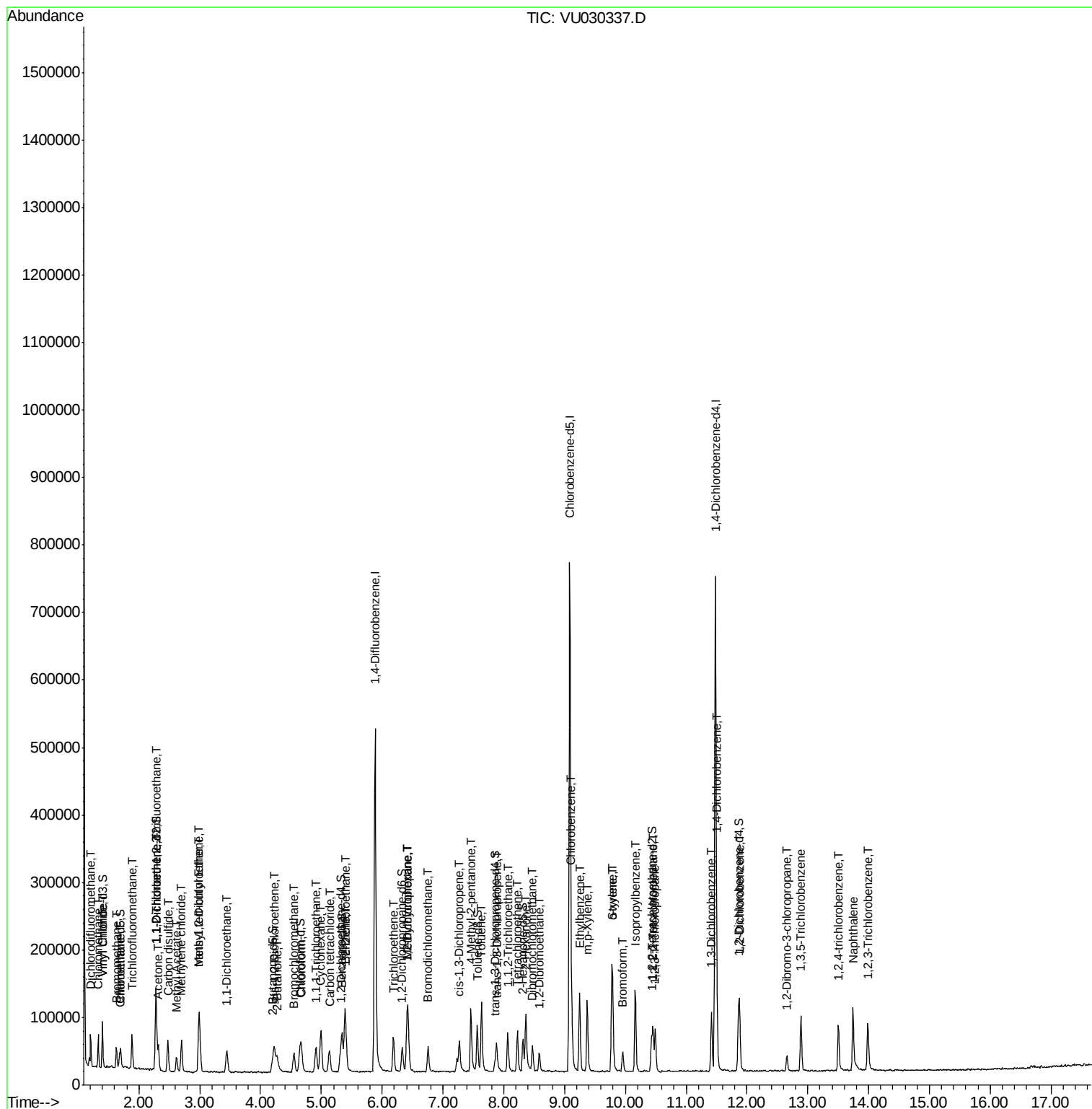
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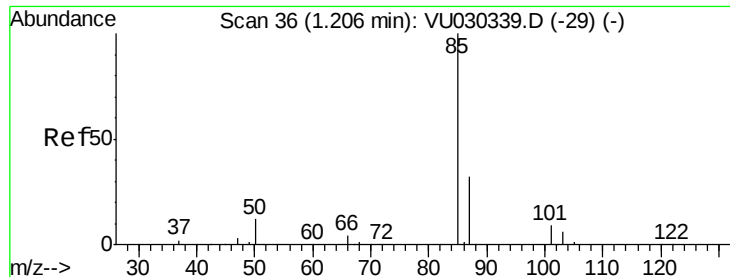
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#2

Dichlorodifluoromethane

Concen: 6.971 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

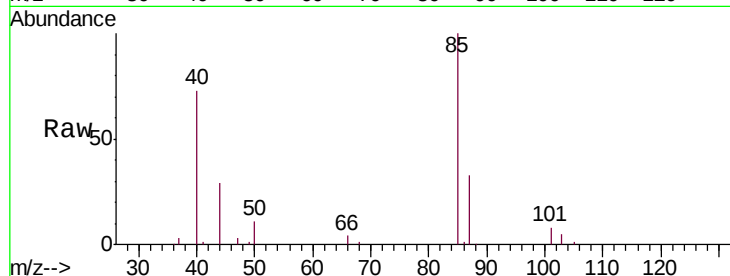
VSTD00545

Tgt Ion: 85 Resp: 26947

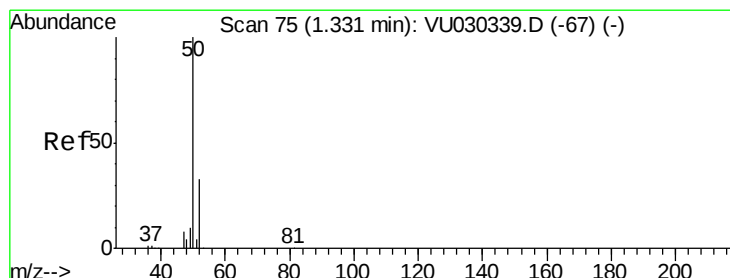
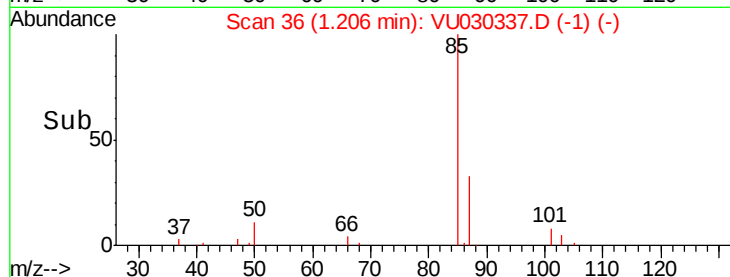
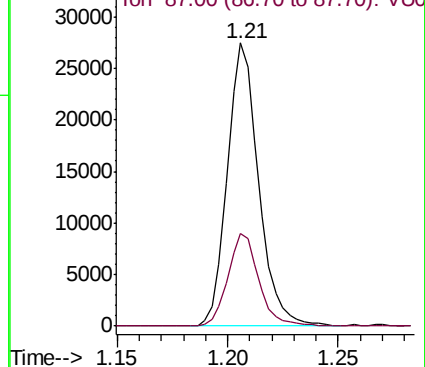
Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030337.D (-1) (-)



#3

Chloromethane

Concen: 7.852 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030337.D

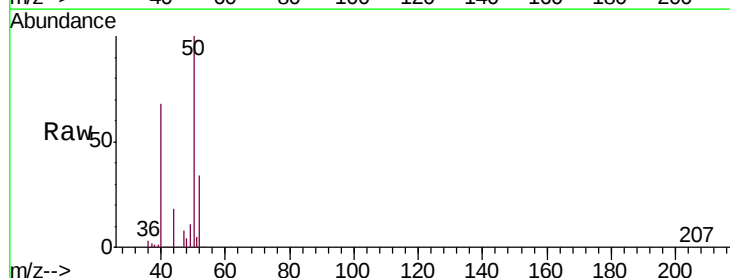
Acq: 23 Mar 2019 13:27

Tgt Ion: 50 Resp: 30618

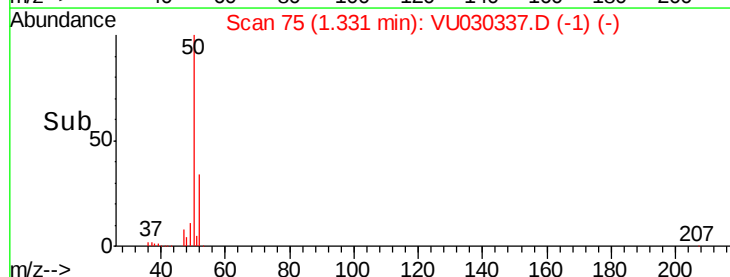
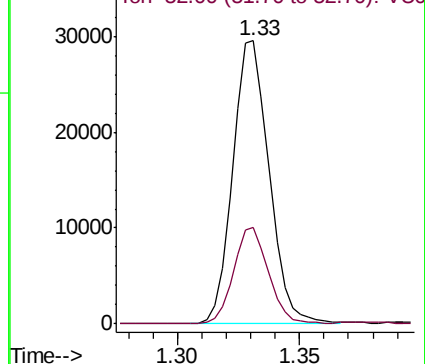
Ion Ratio Lower Upper

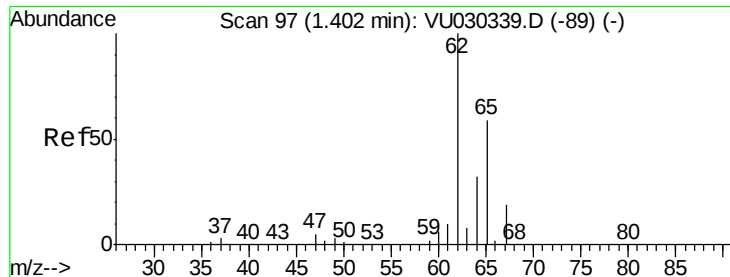
50 100

52 34.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030337.D (-1) (-)





#5

Vinyl chloride

Concen: 7.123 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

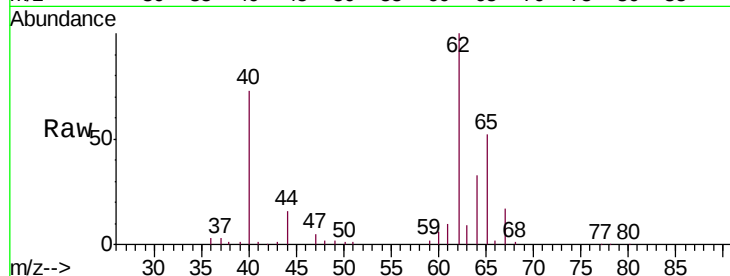
VSTD00545

Tgt Ion: 62 Resp: 28444

Ion Ratio Lower Upper

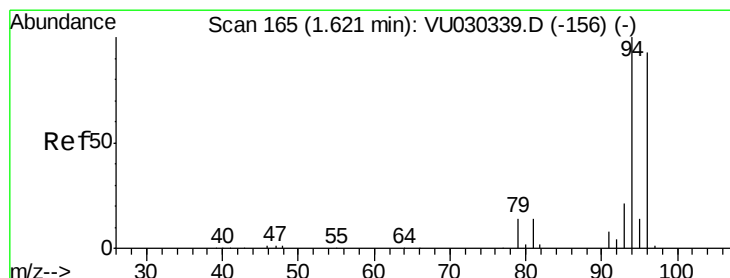
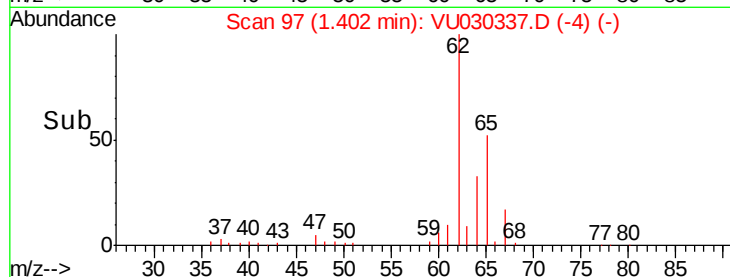
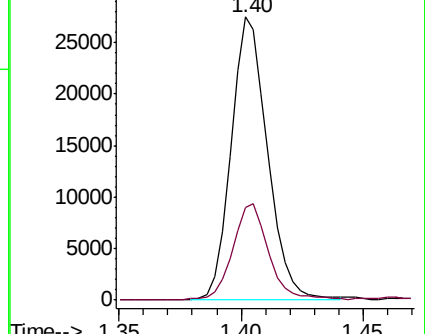
62 100

64 32.9 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: 6.392 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU030337.D

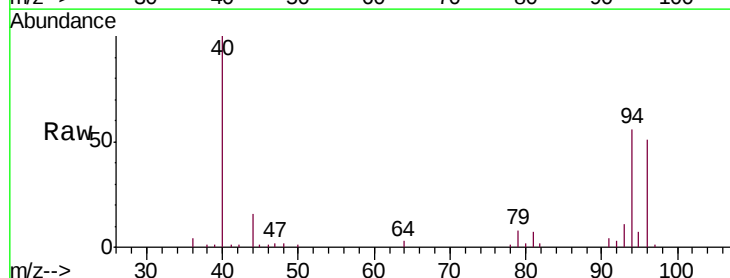
Acq: 23 Mar 2019 13:27

Tgt Ion: 94 Resp: 13227

Ion Ratio Lower Upper

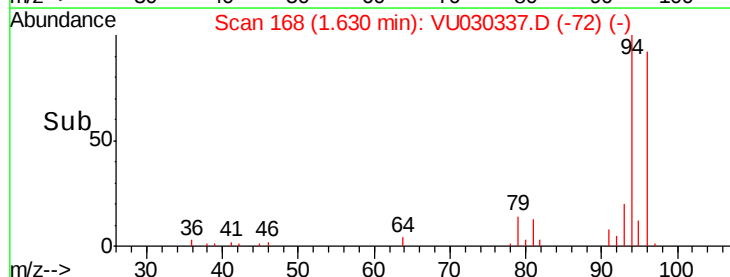
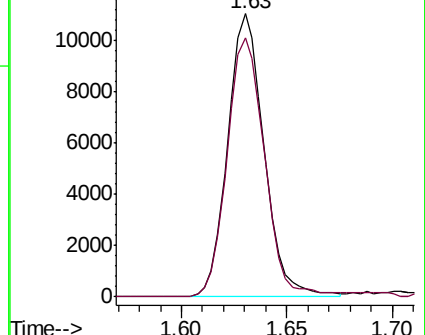
94 100

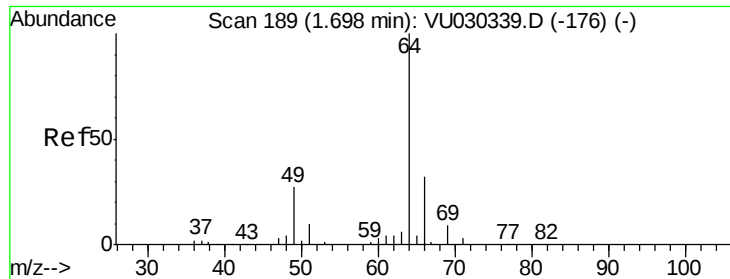
96 91.5 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 6.814 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

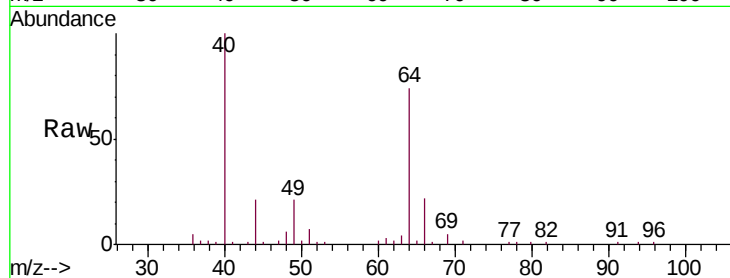
VSTD00545

Tgt Ion: 64 Resp: 15918

Ion Ratio Lower Upper

64 100

66 29.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030337.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030337.D (-176) (-)

1.70

15000

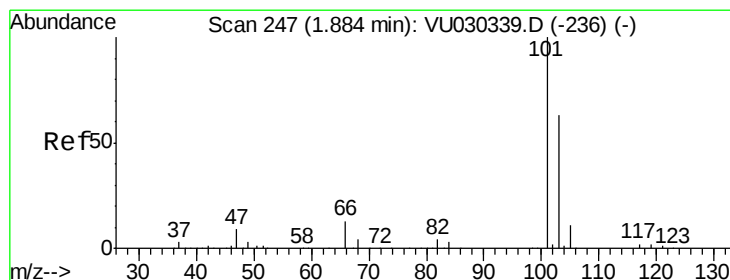
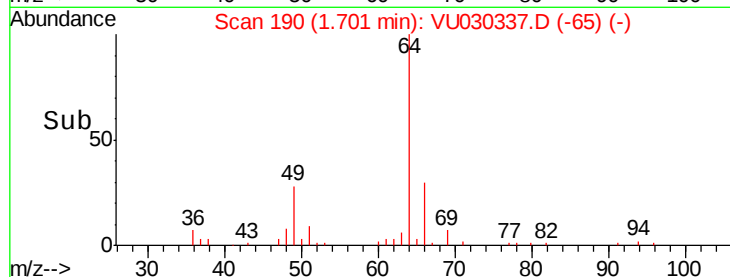
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 6.197 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU030337.D

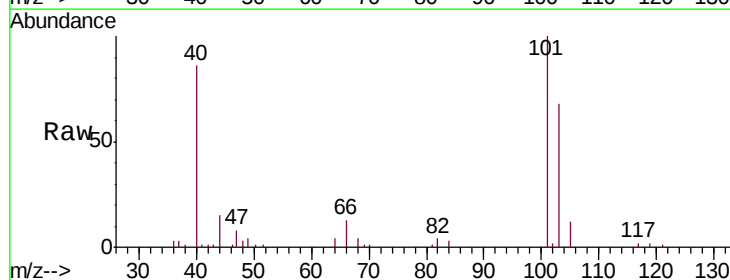
Acq: 23 Mar 2019 13:27

Tgt Ion: 101 Resp: 30333

Ion Ratio Lower Upper

101 100

103 67.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030337.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030337.D (-236) (-)

1.89

25000

20000

15000

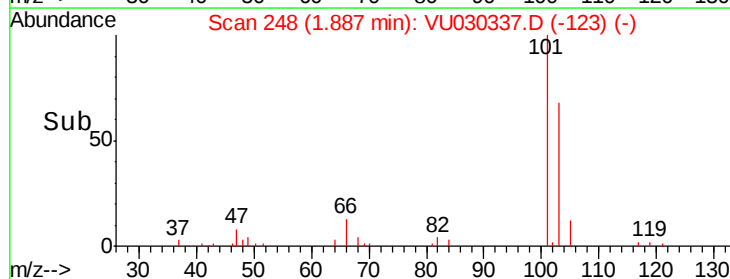
10000

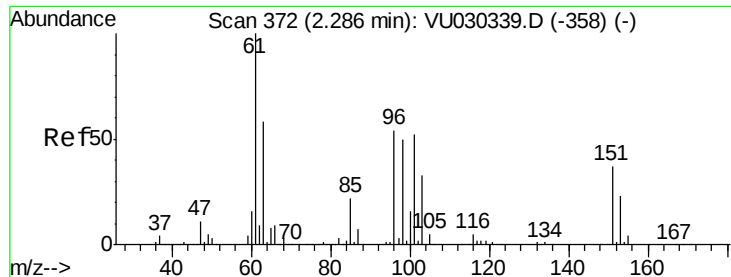
5000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 6.000 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

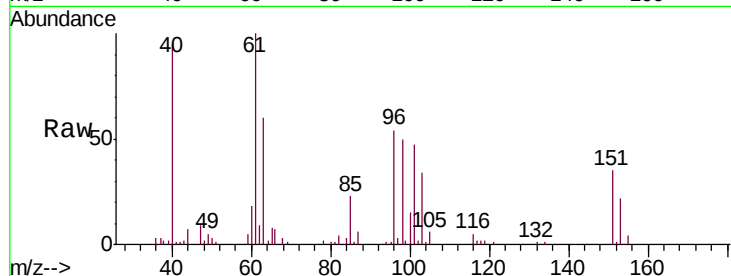
Tgt Ion: 101 Resp: 17617

Ion Ratio Lower Upper

101 100

85 48.1 34.8 52.2

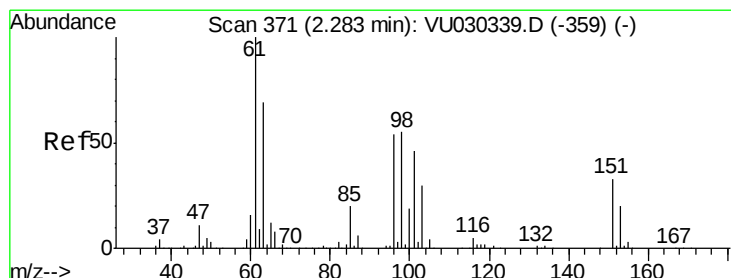
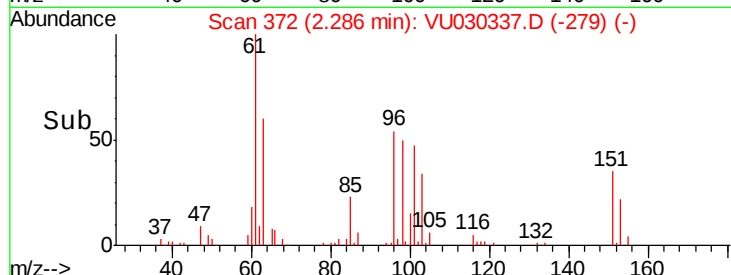
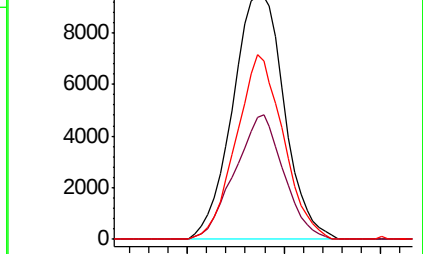
151 69.0 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): VU030337.D (-279) (-)

Ion 85.00 (84.70 to 85.70): VU030337.D (-279) (-)

Ion 151.00 (150.70 to 151.70): VU030337.D (-279) (-)



#12

1,1-Dichloroethene

Concen: 5.853 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

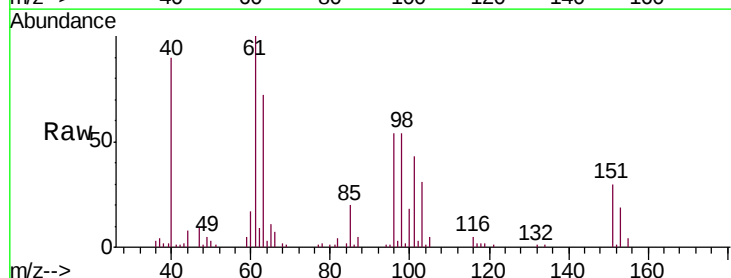
Tgt Ion: 96 Resp: 17004

Ion Ratio Lower Upper

96 100

61 186.5 131.0 243.4

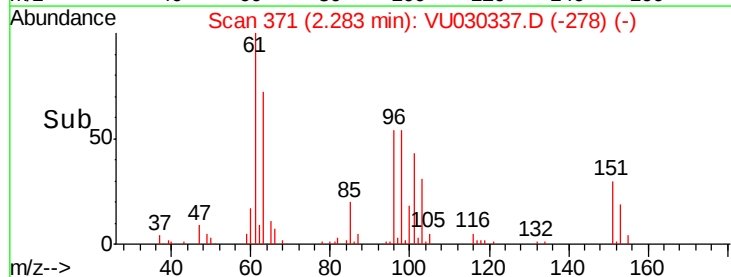
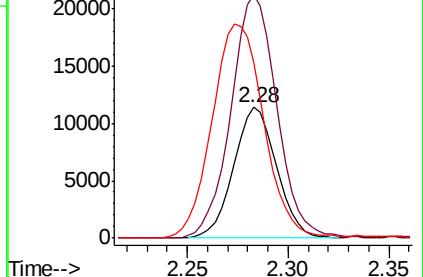
63 135.0 92.4 171.6

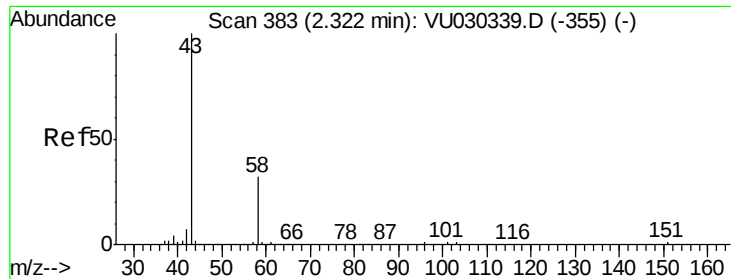


Abundance Ion 96.00 (95.70 to 96.70): VU030337.D (-278) (-)

Ion 61.00 (60.70 to 61.70): VU030337.D (-278) (-)

Ion 63.00 (62.70 to 63.70): VU030337.D (-278) (-)





#13

Acetone

Concen: 15.798 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

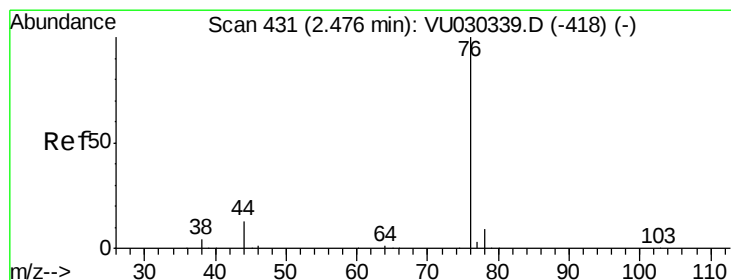
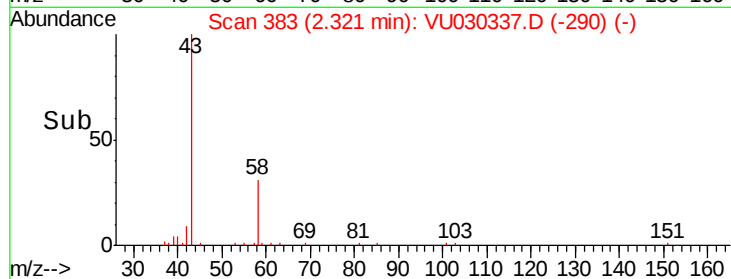
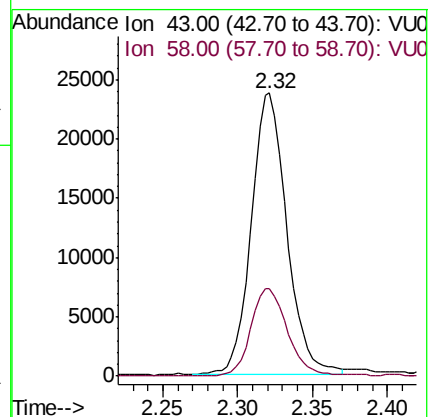
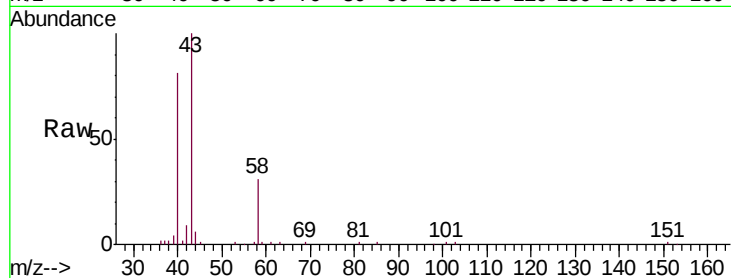
VSTD00545

Tgt Ion: 43 Resp: 39323

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.8



#14

Carbon disulfide

Concen: 6.443 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030337.D

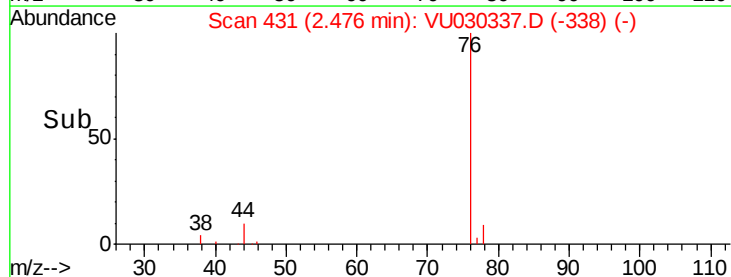
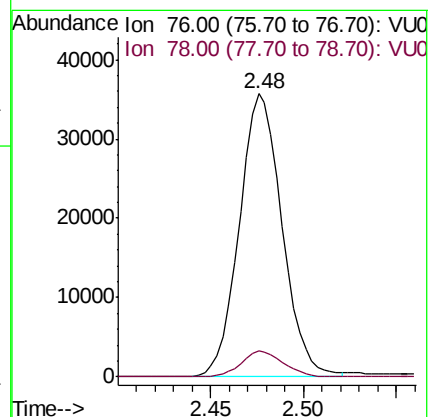
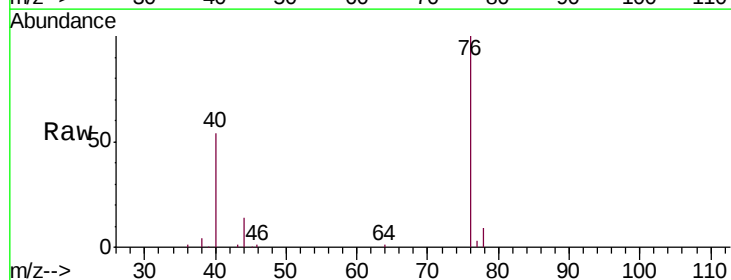
Acq: 23 Mar 2019 13:27

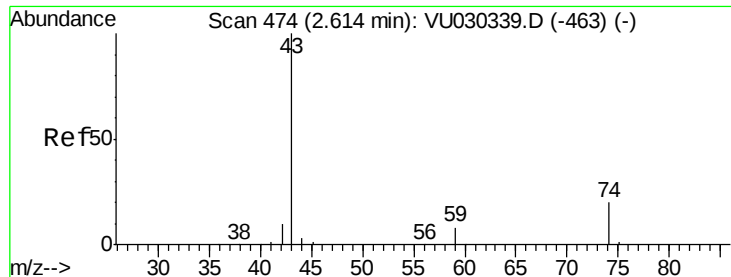
Tgt Ion: 76 Resp: 57172

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 7.145 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

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Acq: 23 Mar 2019 13:27

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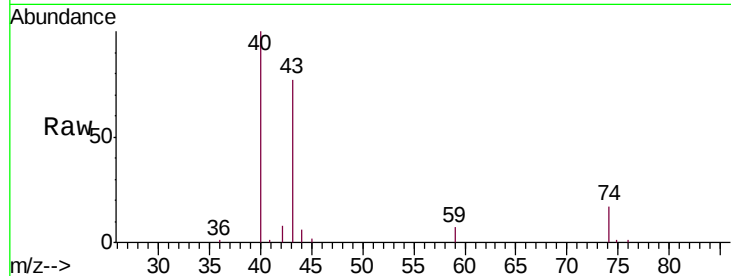
VSTD00545

Tgt Ion: 43 Resp: 26078

Ion Ratio Lower Upper

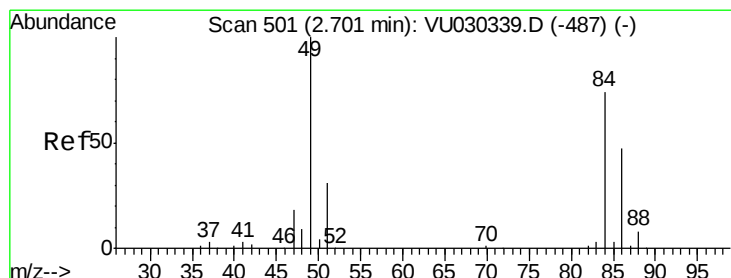
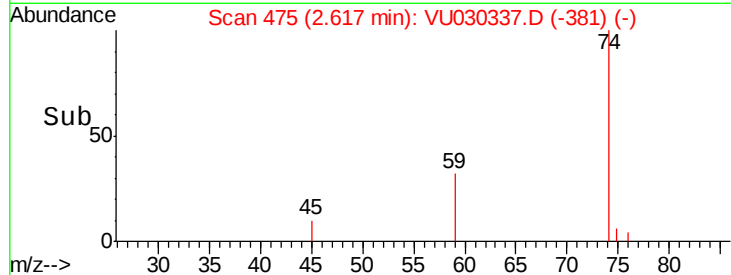
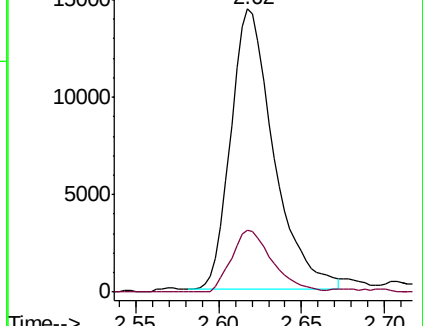
43 100

74 21.0 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030337.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU030337.D (-463) (-)



#16

Methylene chloride

Concen: 6.036 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

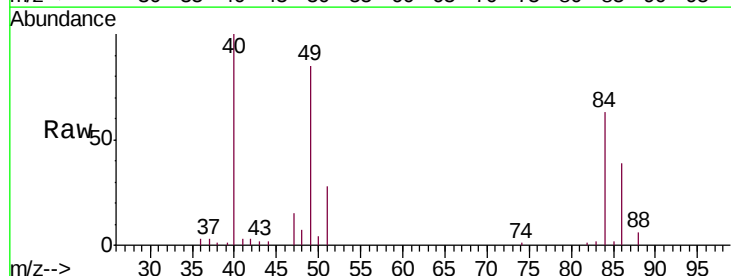
Tgt Ion: 84 Resp: 20082

Ion Ratio Lower Upper

84 100

86 61.8 44.3 82.3

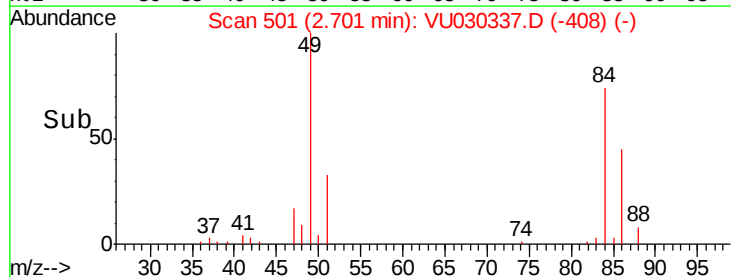
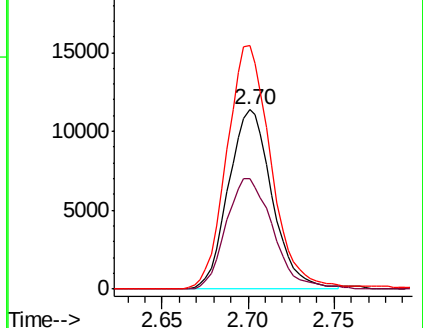
49 135.9 94.9 176.3

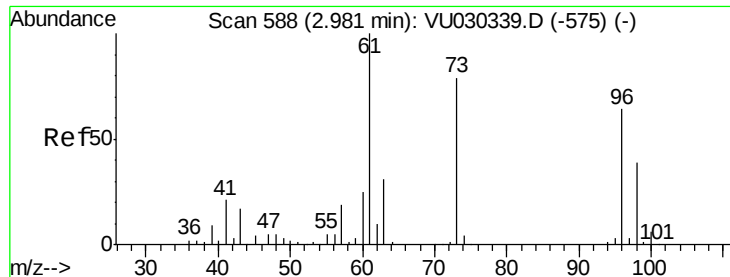


Abundance Ion 84.00 (83.70 to 84.70): VU030337.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU030337.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU030337.D (-487) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.901 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

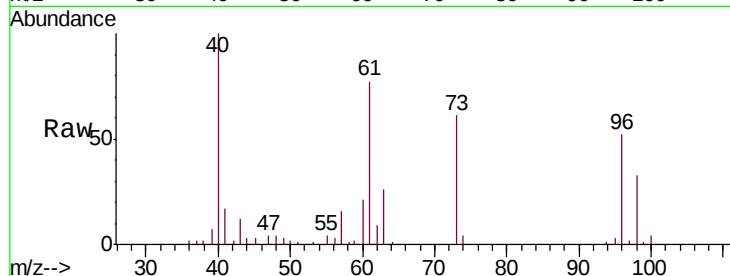
Tgt Ion: 96 Resp: 18135

Ion Ratio Lower Upper

96 100

61 148.3 108.6 201.8

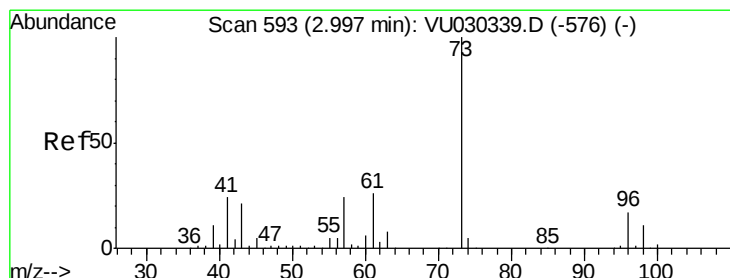
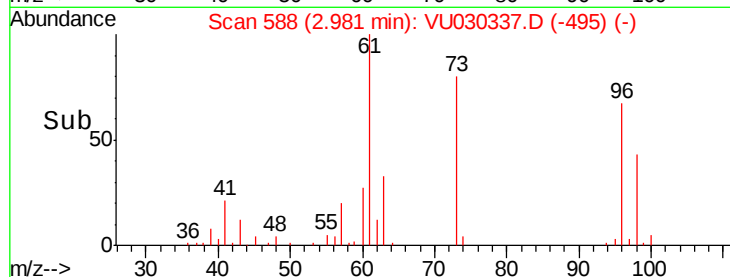
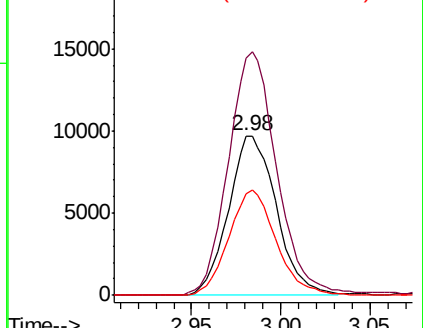
98 63.5 42.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 6.342 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

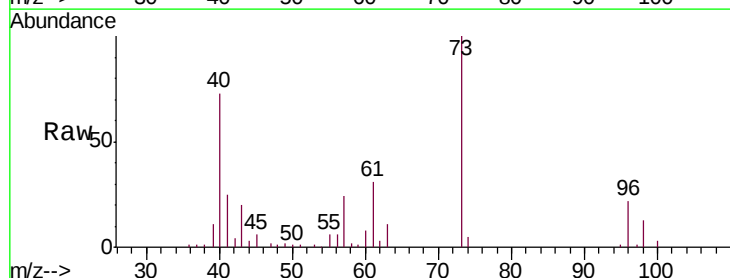
Tgt Ion: 73 Resp: 57644

Ion Ratio Lower Upper

73 100

43 20.3 16.6 24.8

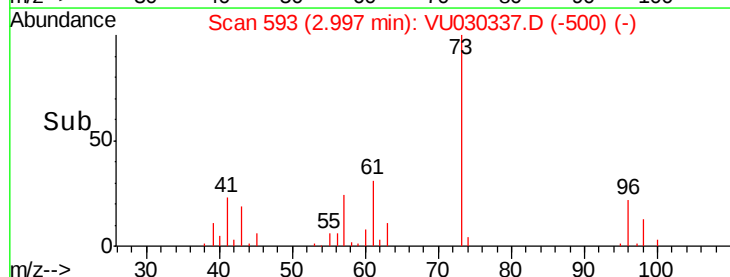
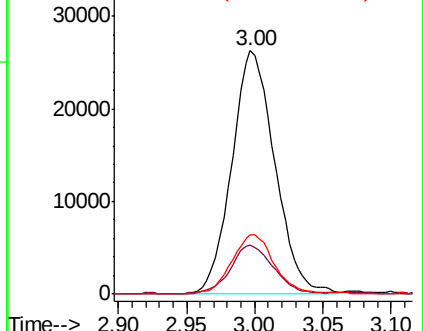
57 24.0 18.9 28.3

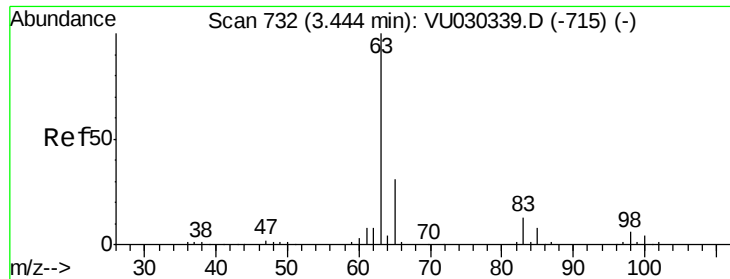


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

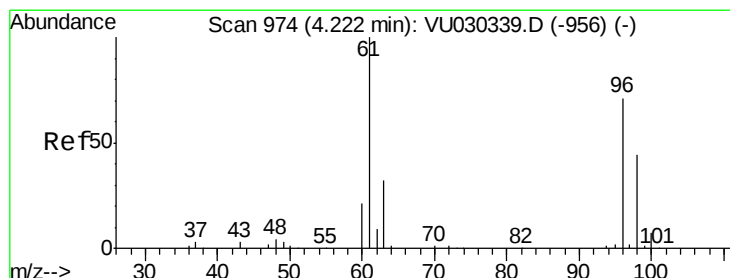
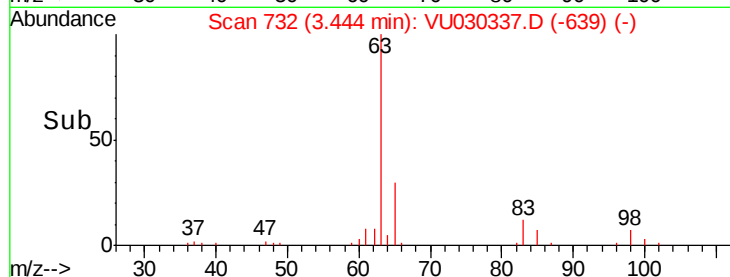
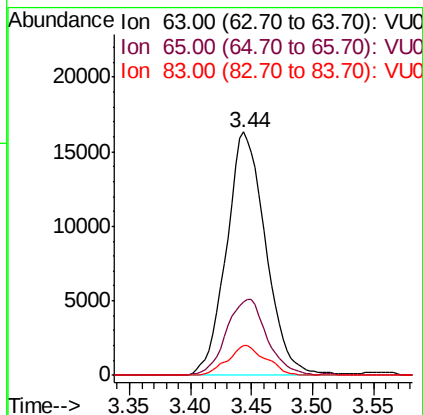
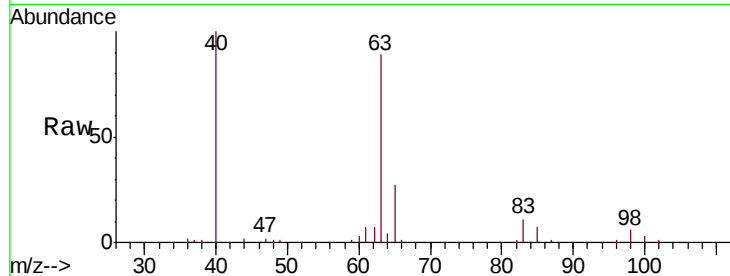




#19
 1,1-Dichloroethane
 Concen: 6.672 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

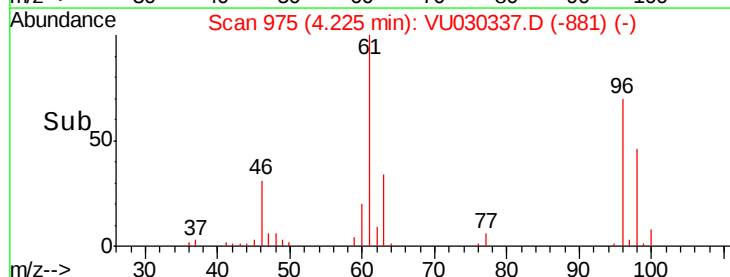
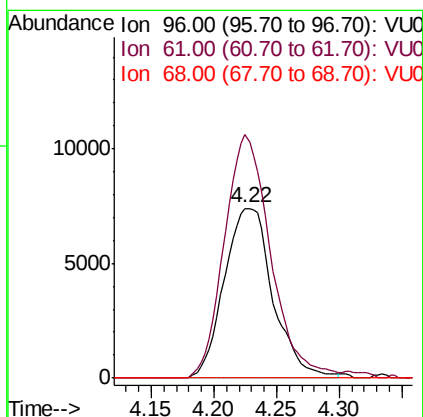
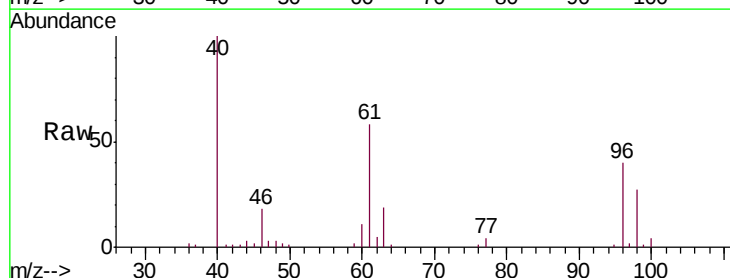
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

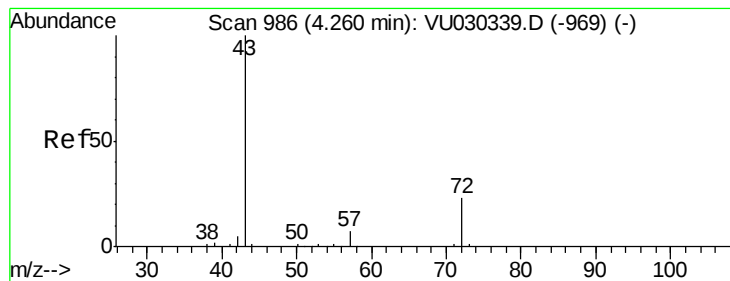
Tgt Ion: 63 Resp: 36508
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.0 40.8
 83 12.2 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 5.934 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion: 96 Resp: 19995
 Ion Ratio Lower Upper
 96 100
 61 143.4 98.4 182.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 13.099 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

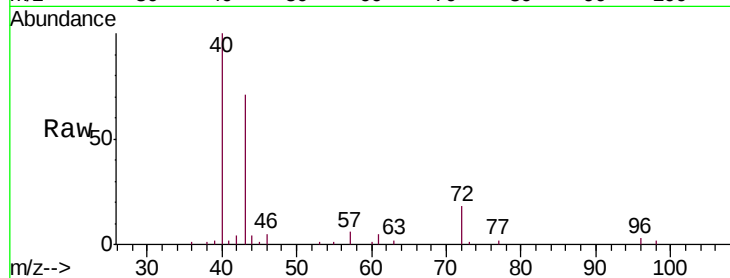
VSTD00545

Tgt Ion: 43 Resp: 38749

Ion Ratio Lower Upper

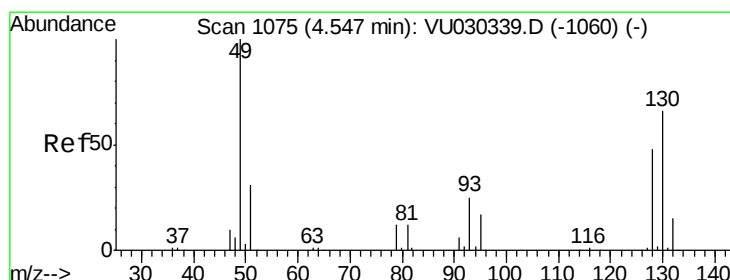
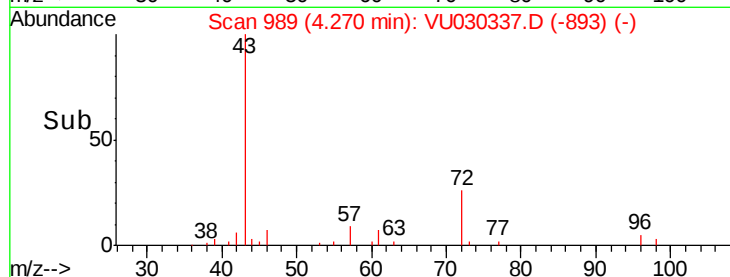
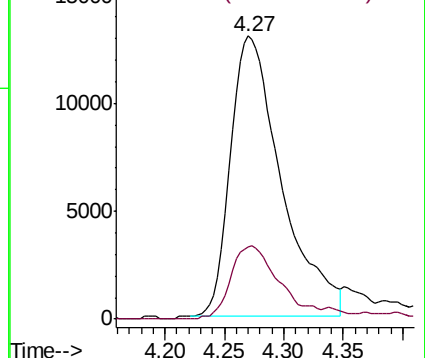
43 100

72 23.7 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030337.D (-989) (-)

Ion 72.00 (71.70 to 72.70): VU030337.D (-989) (-)



#23

Bromochloromethane

Concen: 5.280 ug/L

RT: 4.55 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Tgt Ion: 128 Resp: 9256

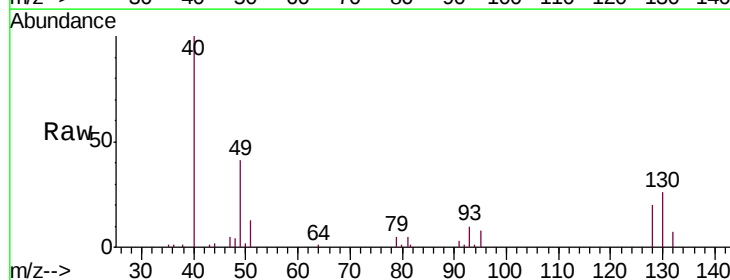
Ion Ratio Lower Upper

128 100

49 208.8 145.5 270.3

130 131.0 95.3 177.1

51 68.5 52.2 78.2

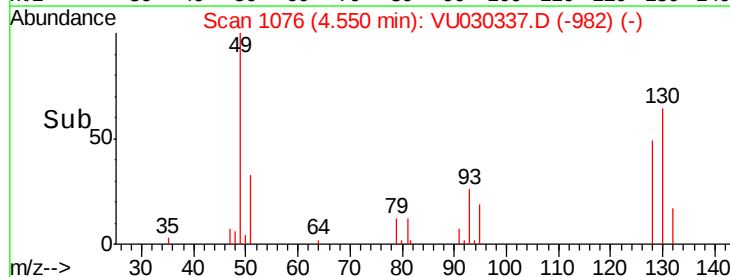
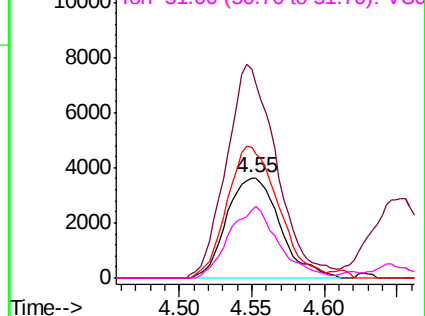


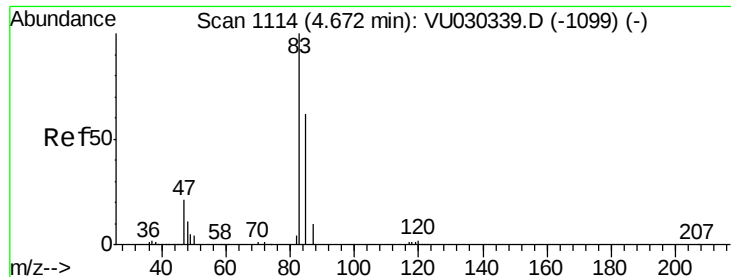
Abundance Ion 128.00 (127.70 to 128.70): VU030337.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU030337.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU030337.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU030337.D (-982) (-)





#25

Chloroform

Concen: 6.252 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

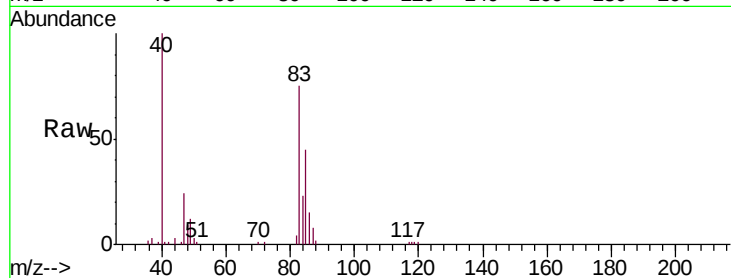
VSTD00545

Tgt Ion: 83 Resp: 34971

Ion Ratio Lower Upper

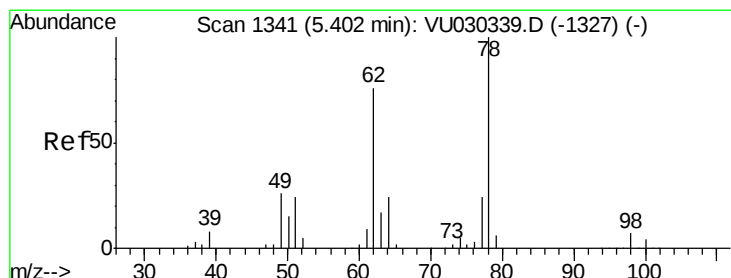
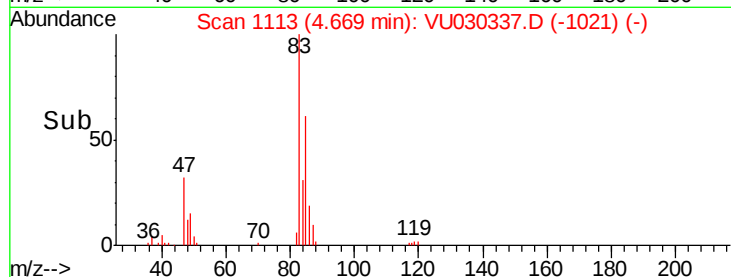
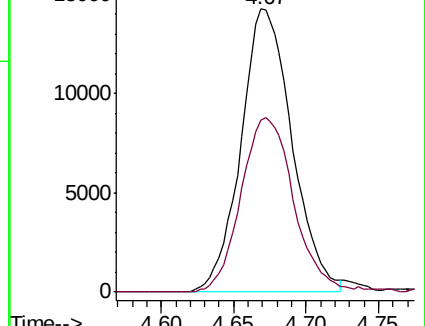
83 100

85 60.9 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030337.D (-1099) (-)

Ion 85.00 (84.70 to 85.70): VU030337.D (-1099) (-)



#27

1,2-Dichloroethane

Concen: 6.670 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030337.D

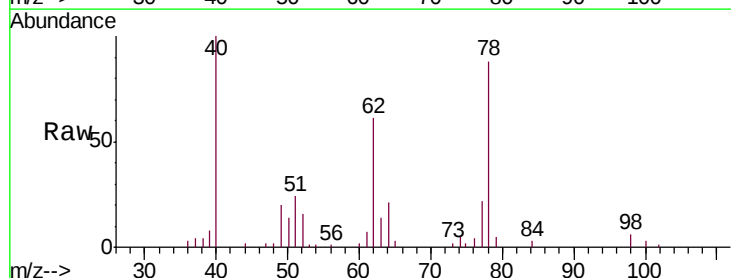
Acq: 23 Mar 2019 13:27

Tgt Ion: 62 Resp: 27132

Ion Ratio Lower Upper

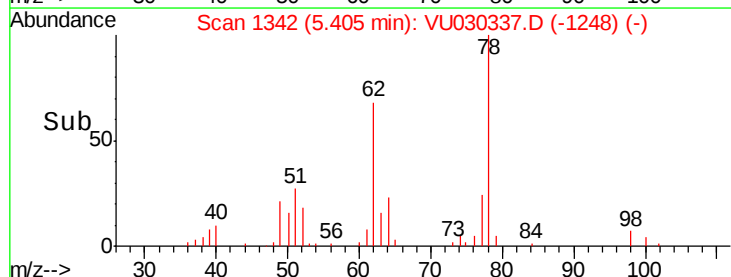
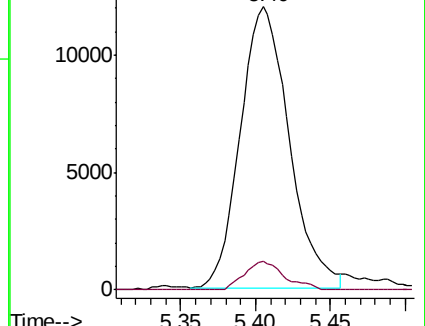
62 100

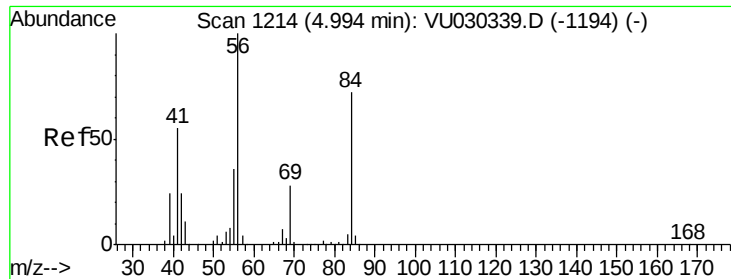
98 10.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU030337.D (-1327) (-)

Ion 98.00 (97.70 to 98.70): VU030337.D (-1327) (-)

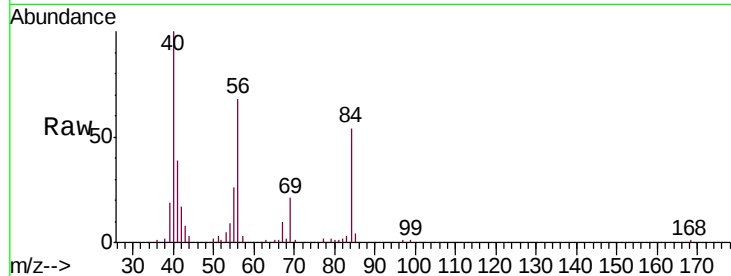




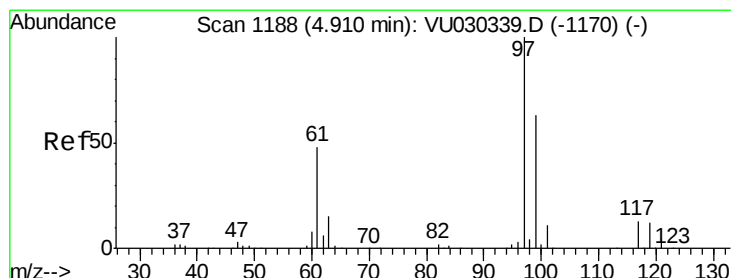
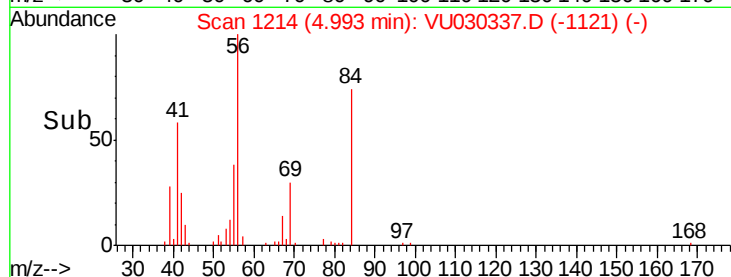
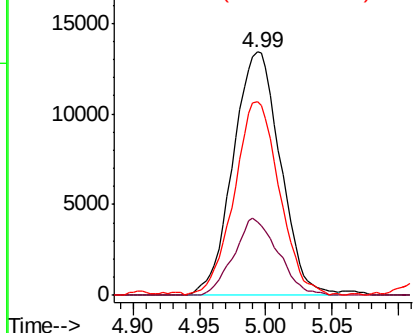
#29
Cyclohexane
Concen: 6.970 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Tgt Ion: 56 Resp: 33214
Ion Ratio Lower Upper
56 100
69 29.5 22.9 34.3
84 76.3 58.9 88.3

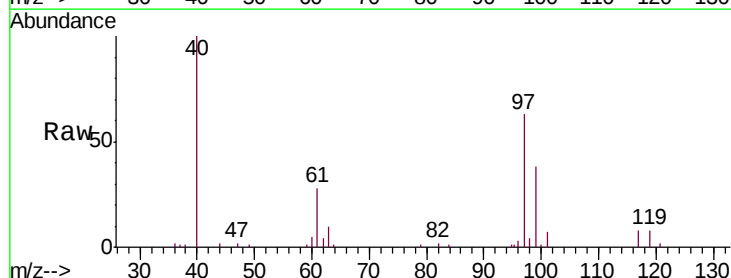


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

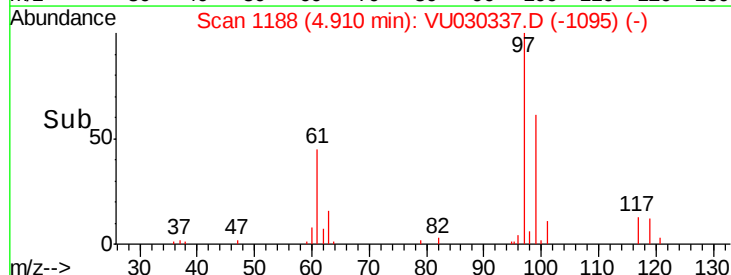
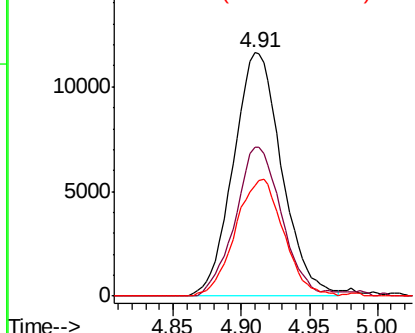


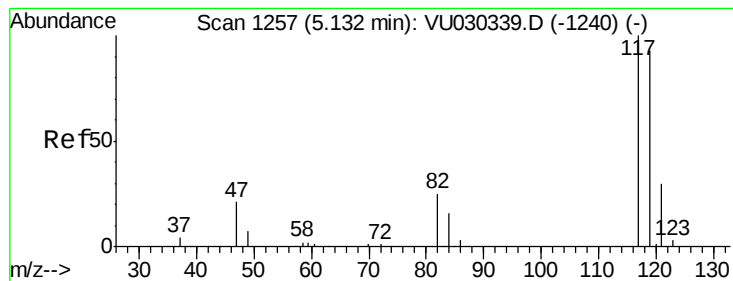
#30
1,1,1-Trichloroethane
Concen: 6.395 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Tgt Ion: 97 Resp: 28643
Ion Ratio Lower Upper
97 100
99 58.3 51.8 77.6
61 47.8 38.2 57.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 6.091 ug/L

RT: 5.13 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

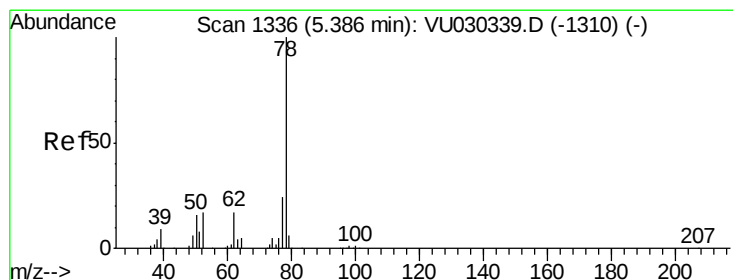
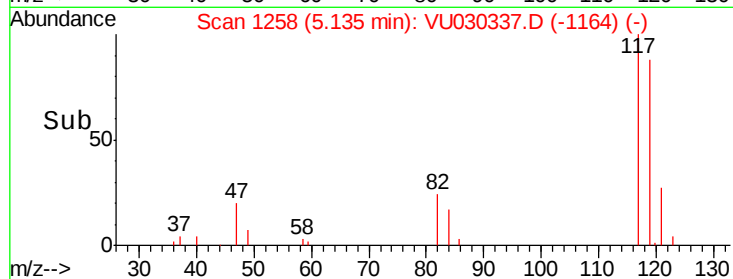
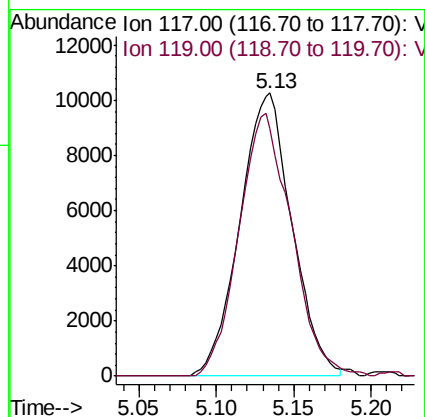
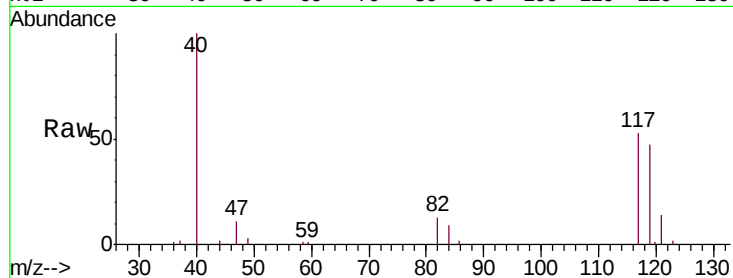
VSTD00545

Tgt Ion:117 Resp: 24068

Ion Ratio Lower Upper

117 100

119 93.4 75.4 113.2



#33

Benzene

Concen: 6.403 ug/L

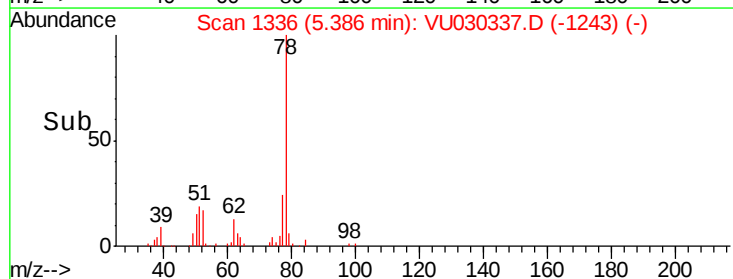
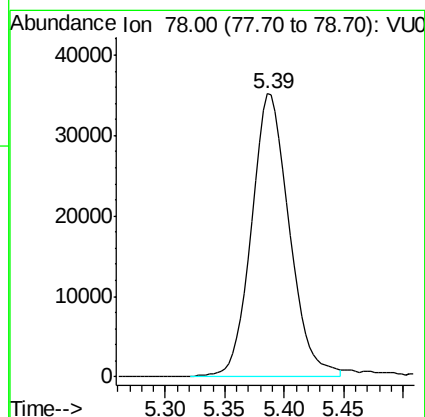
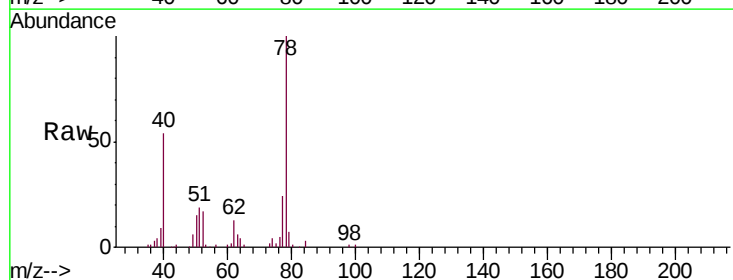
RT: 5.39 min Scan# 1336

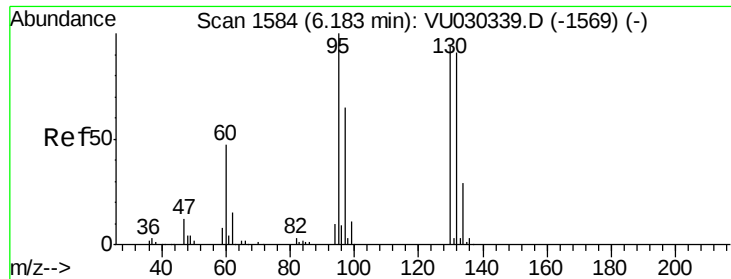
Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Tgt Ion: 78 Resp: 77689

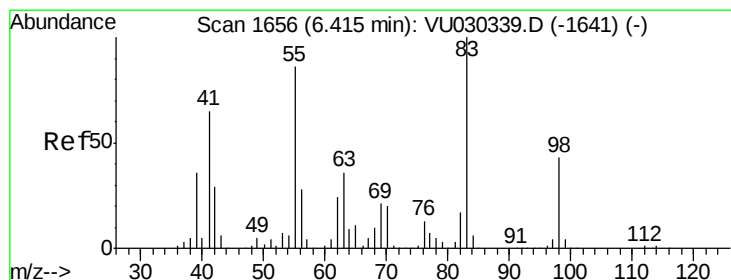
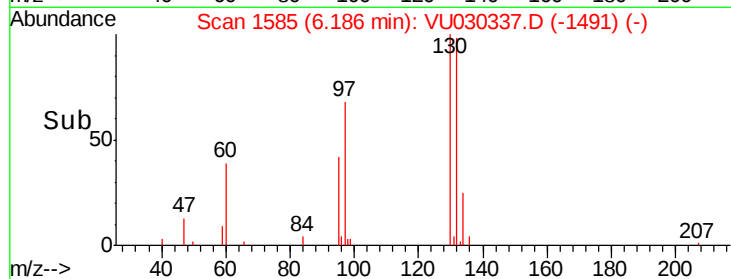
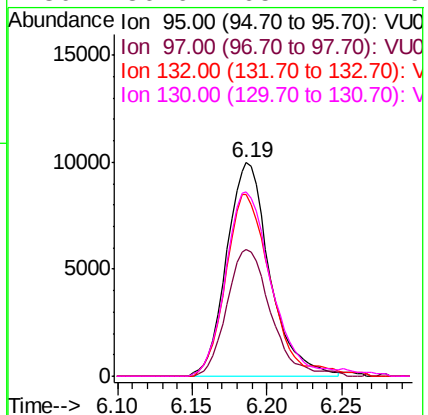
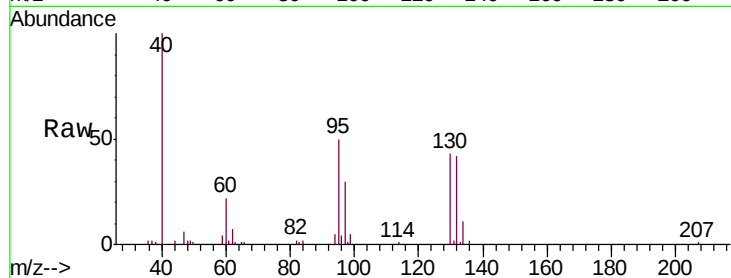




#34
 Trichloroethene
 Concen: 6.352 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

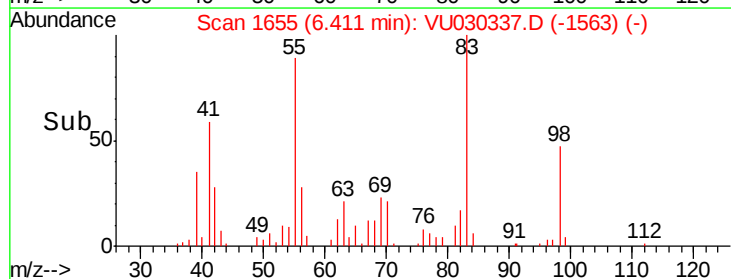
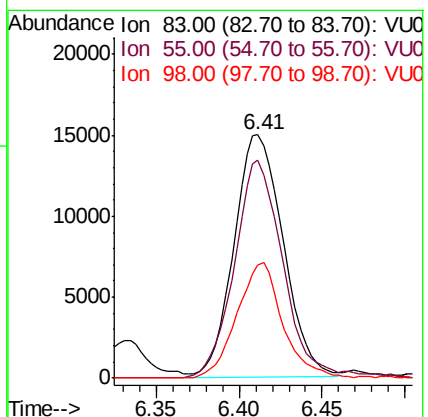
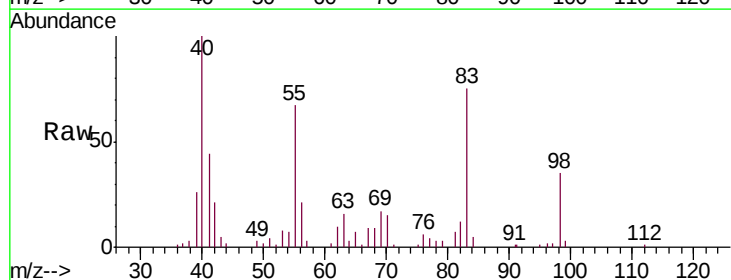
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

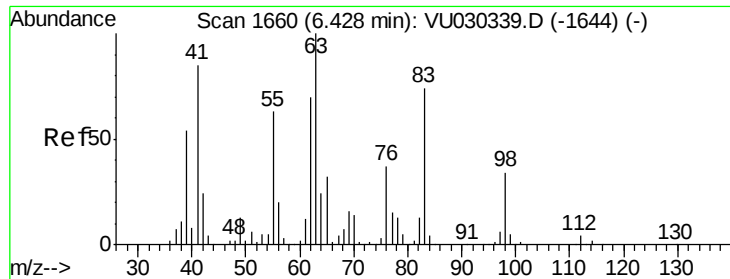
Tgt Ion:	95	Resp:	20040
Ion	Ratio	Lower	Upper
95	100		
97	59.1	45.7	84.9
132	85.0	63.8	118.4
130	86.6	65.7	121.9



#35
 Methylcyclohexane
 Concen: 6.249 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion:	83	Resp:	30978
Ion	Ratio	Lower	Upper
83	100		
55	87.4	71.4	107.0
98	44.2	36.0	54.0

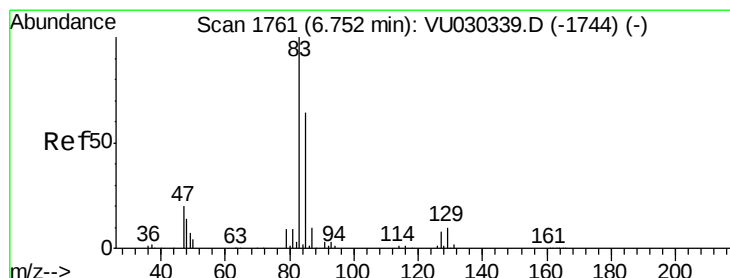
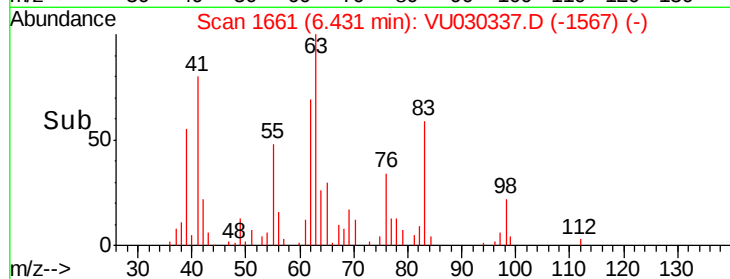
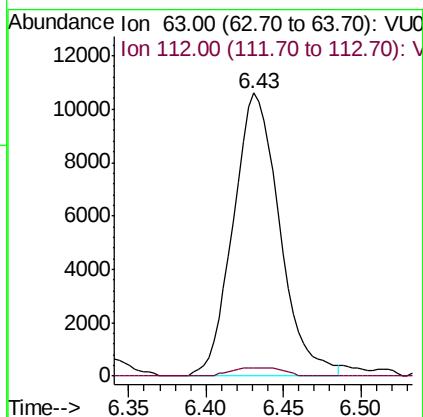
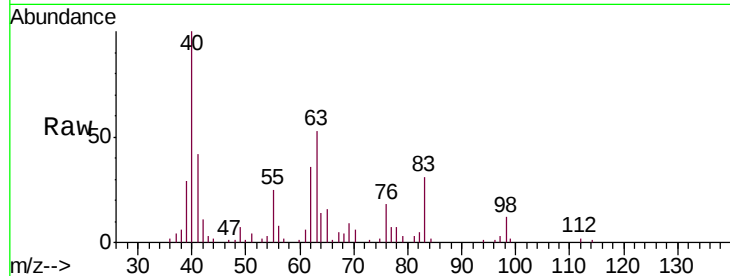




#37
 1,2-Dichloropropane
 Concen: 6.990 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

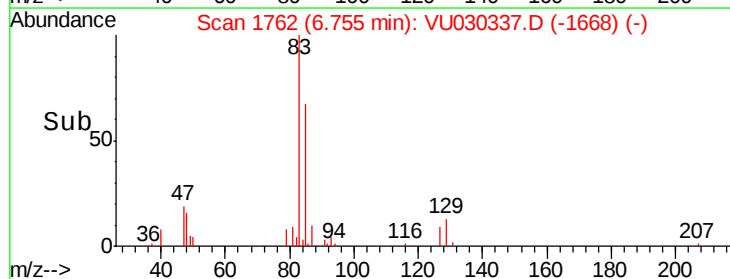
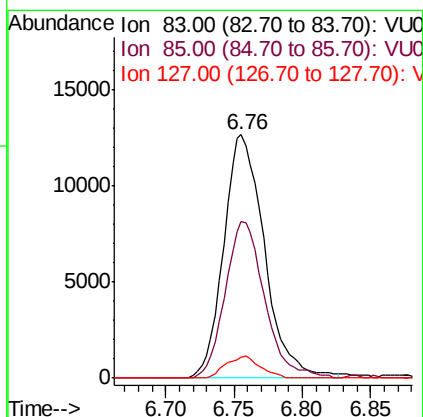
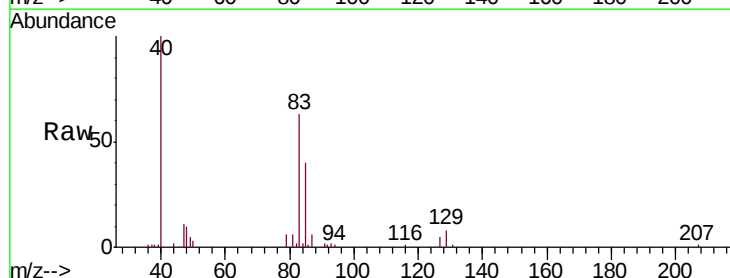
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

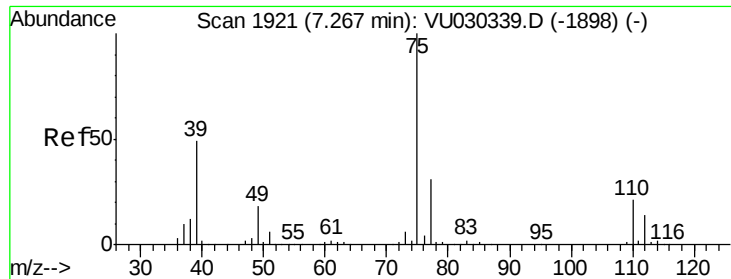
Tgt Ion: 63 Resp: 22191
 Ion Ratio Lower Upper
 63 100
 112 1.3 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 6.550 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion: 83 Resp: 26219
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.0 83.6
 127 8.7 6.6 10.0

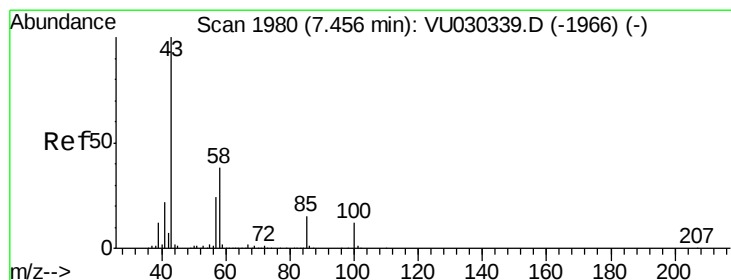
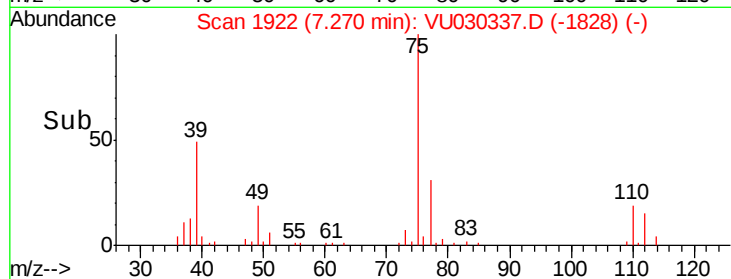
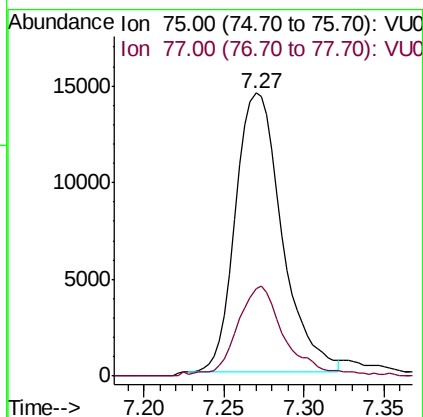
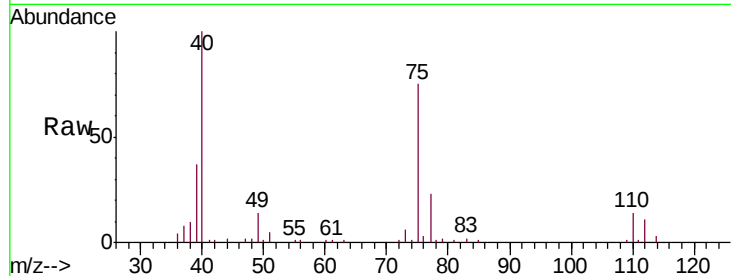




#39
 cis-1,3-Dichloropropene
 Concen: 5.698 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

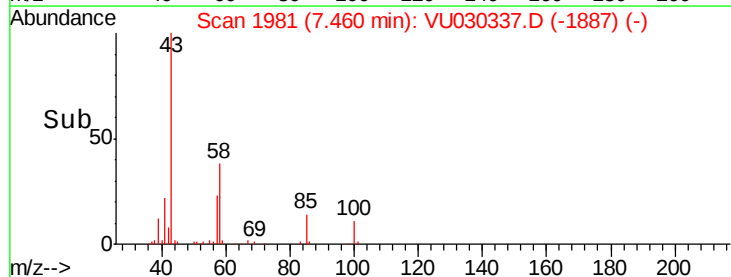
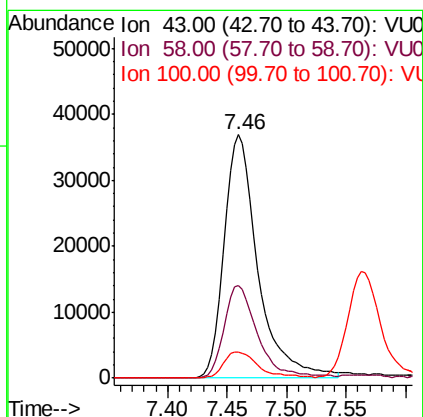
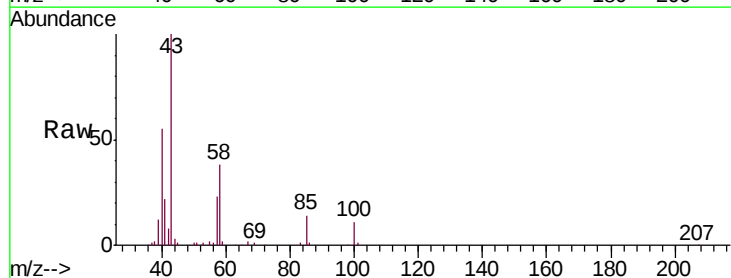
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

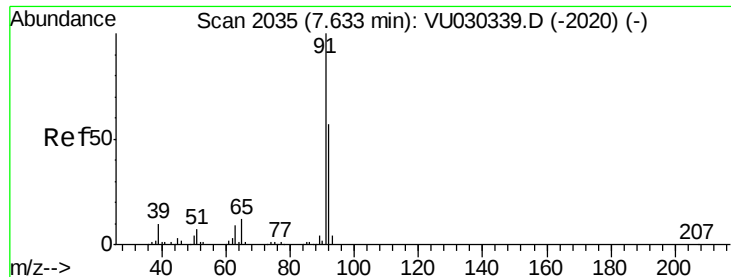
Tgt Ion: 75 Resp: 28519
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 15.750 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion: 43 Resp: 72684
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.6 45.8
 100 11.3 9.5 14.3





#42

Toluene

Concen: 6.031 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

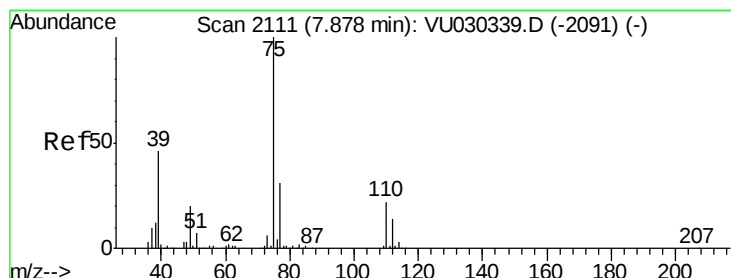
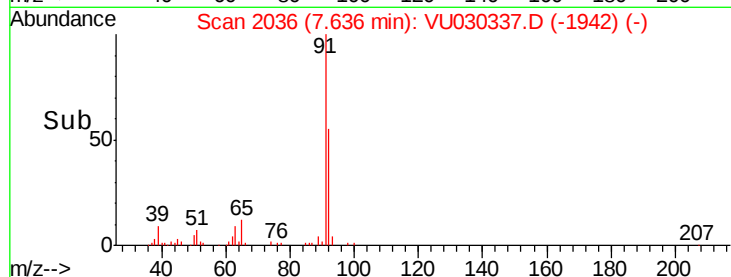
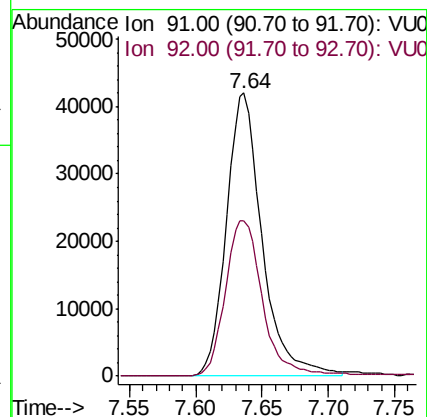
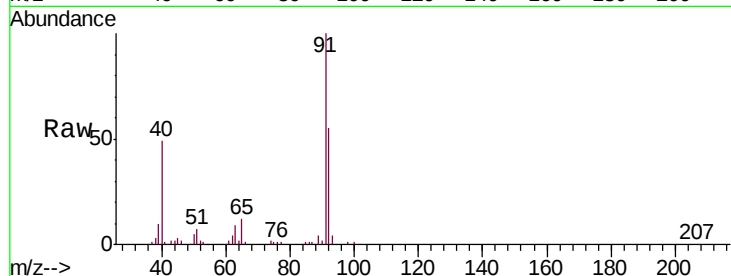
VSTD00545

Tgt Ion: 91 Resp: 78818

Ion Ratio Lower Upper

91 100

92 54.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.714 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030337.D

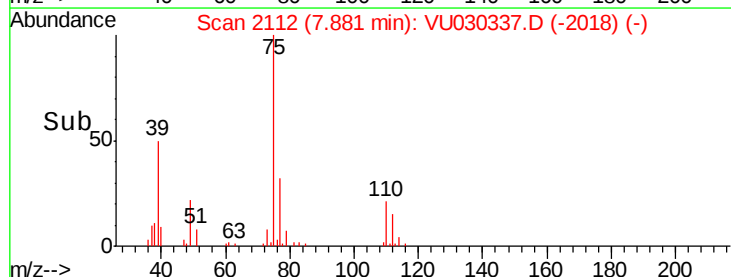
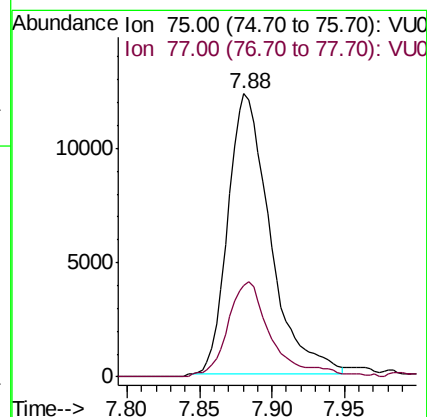
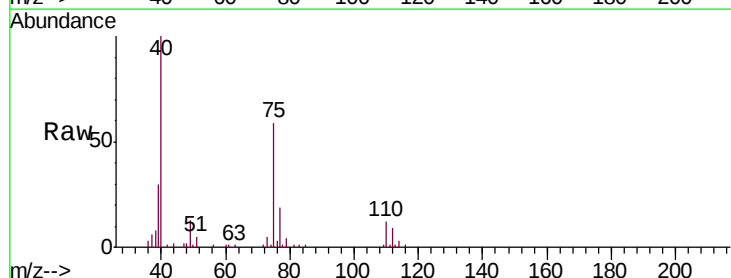
Acq: 23 Mar 2019 13:27

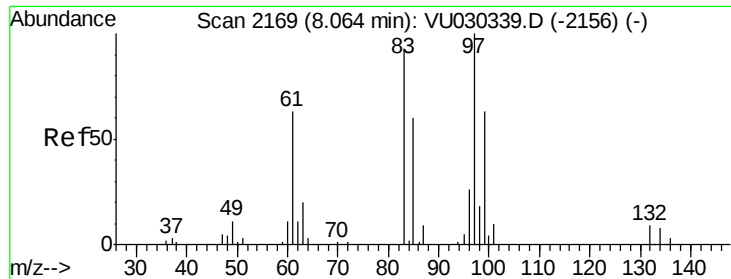
Tgt Ion: 75 Resp: 24802

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8

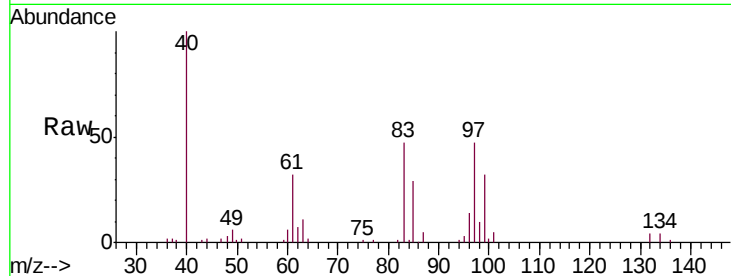




#45
 1,1,2-Trichloroethane
 Concen: 6.052 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Tgt Ion:	97	Resp:	18900
Ion	Ratio	Lower	Upper
97	100		
99	67.2	44.0	81.8
83	98.9	65.3	121.3
85	61.1	41.8	77.6



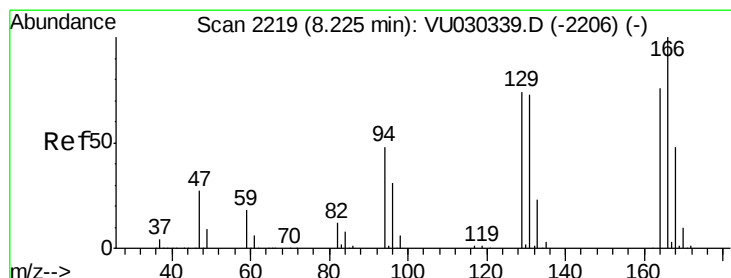
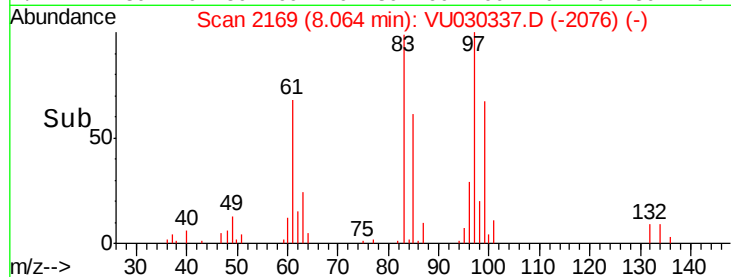
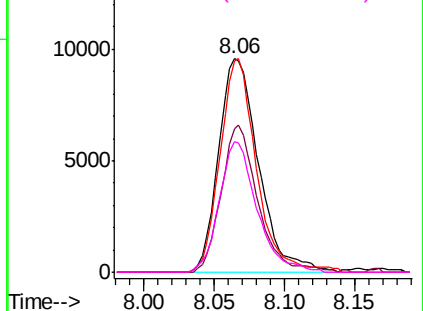
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

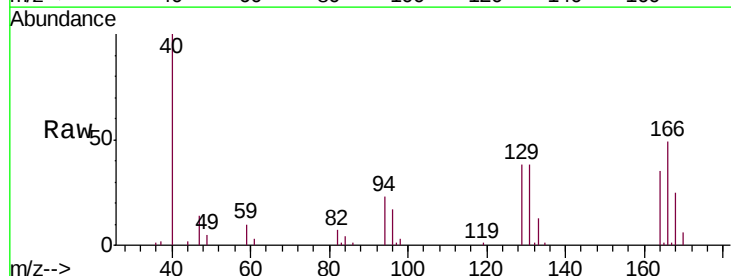
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 5.240 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion:	164	Resp:	13452
Ion	Ratio	Lower	Upper
164	100		
129	108.1	68.1	126.5
131	109.5	67.7	125.7
166	139.4	92.4	171.6



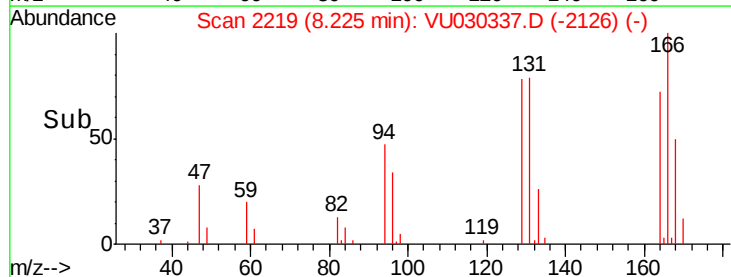
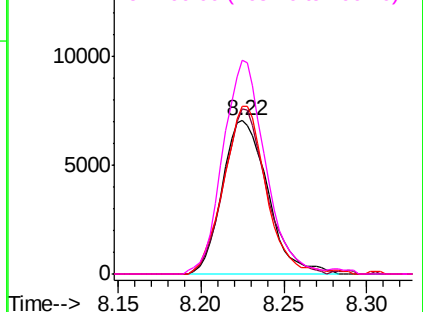
Abundance

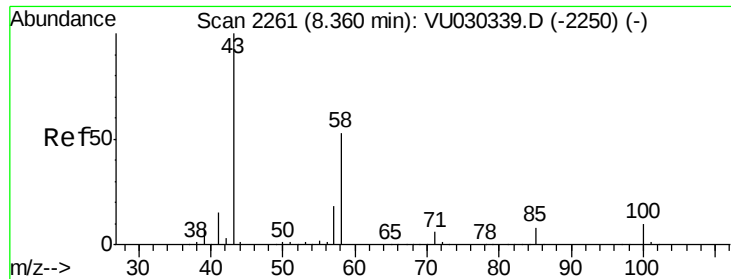
Ion 164.00 (163.70 to 164.70): V

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

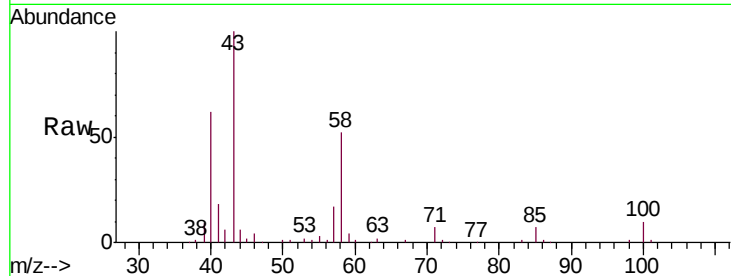




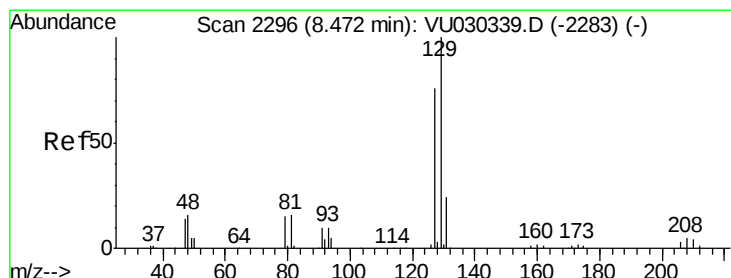
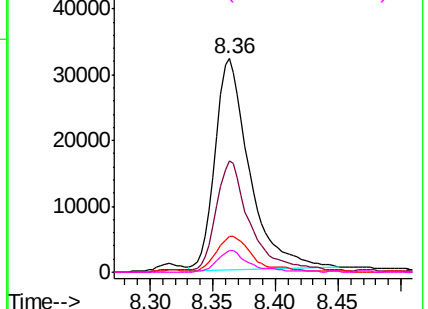
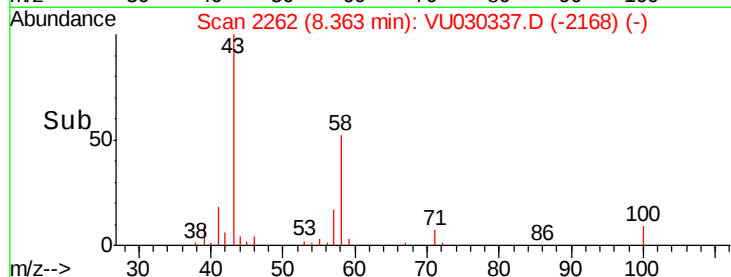
#48
2-Hexanone
Concen: 16.015 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

Tgt Ion: 43 Resp: 61218
Ion Ratio Lower Upper
43 100
58 53.9 42.5 63.7
57 17.0 15.0 22.6
100 9.6 7.4 11.2

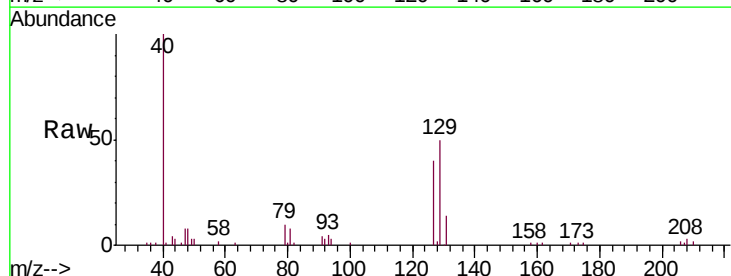


Abundance Ion 43.00 (42.70 to 43.70): VU030337.D (-2168) (-)
Ion 58.00 (57.70 to 58.70): VU030337.D (-2168) (-)
Ion 57.00 (56.70 to 57.70): VU030337.D (-2168) (-)
Ion 100.00 (99.70 to 100.70): VU030337.D (-2168) (-)

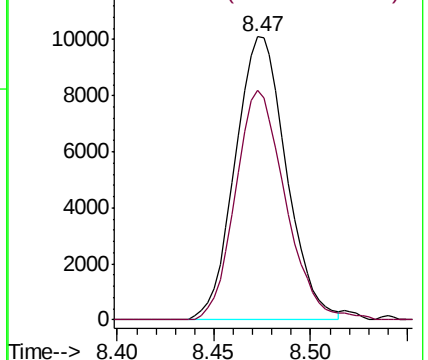
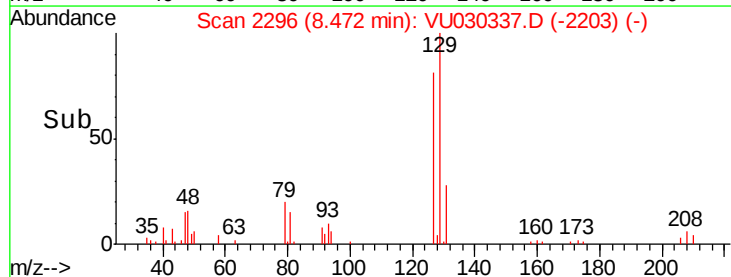


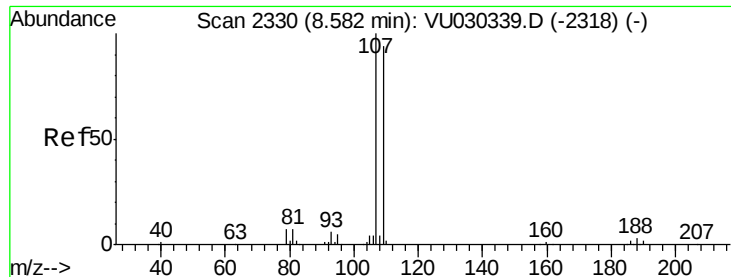
#49
Dibromochloromethane
Concen: 5.376 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Tgt Ion: 129 Resp: 18608
Ion Ratio Lower Upper
129 100
127 81.1 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): VU030337.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU030337.D (-2203) (-)

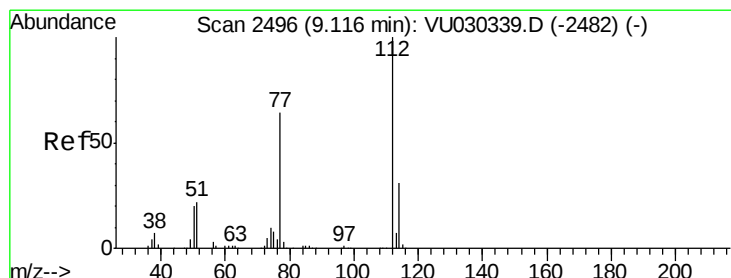
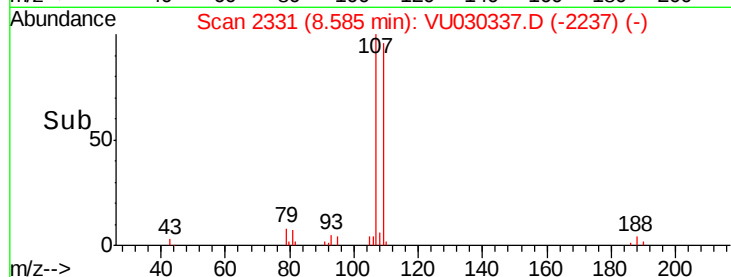
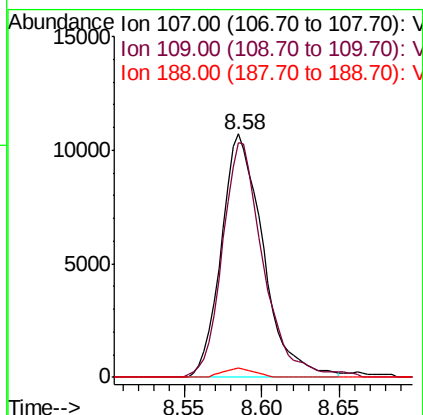
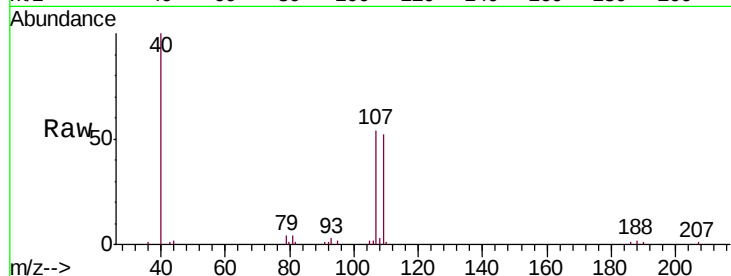




#50
1,2-Dibromoethane
Concen: 5.845 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

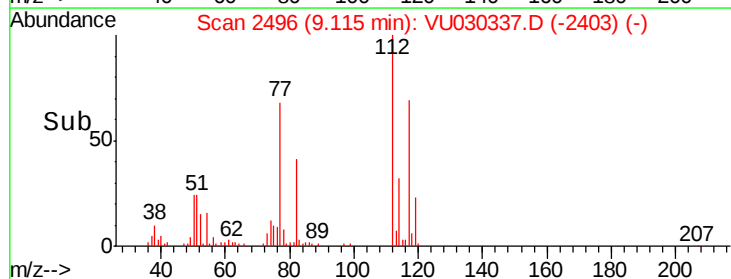
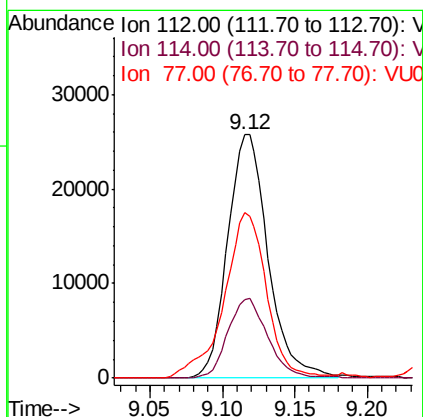
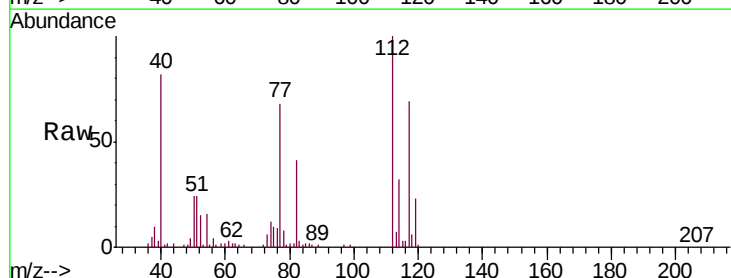
Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

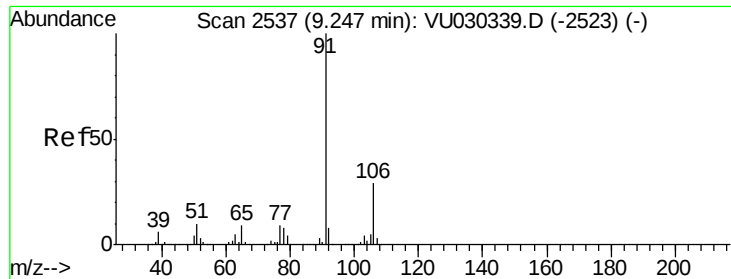
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.8	122.2
188	3.7	2.6	4.0



#51
Chlorobenzene
Concen: 5.873 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.5	39.9
77	67.7	51.4	77.0

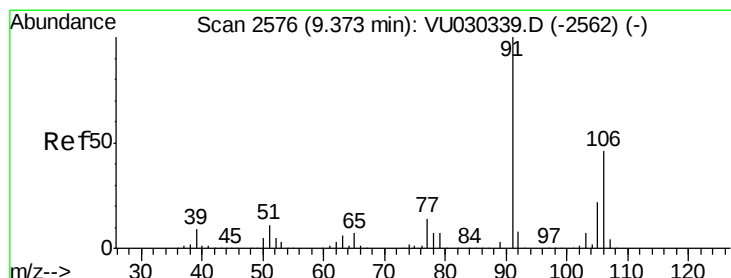
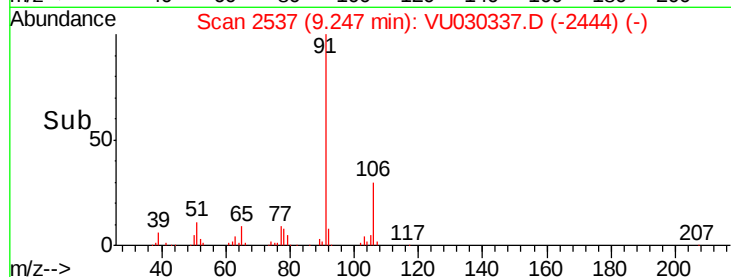
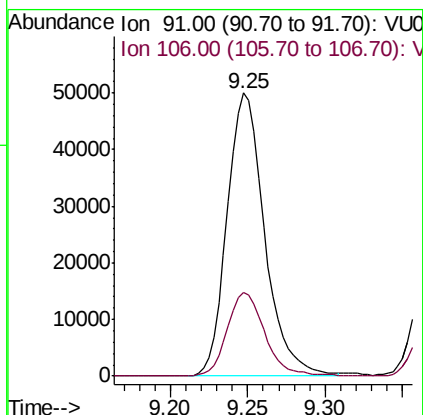
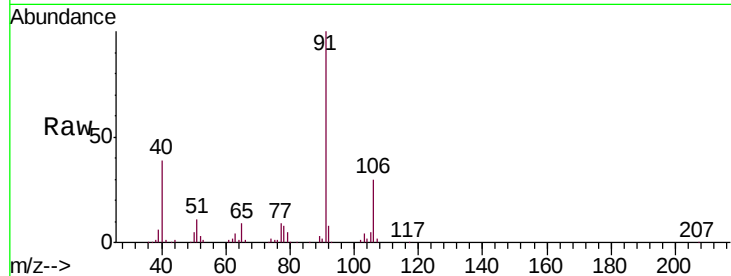




#52
Ethylbenzene
Concen: 5.926 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

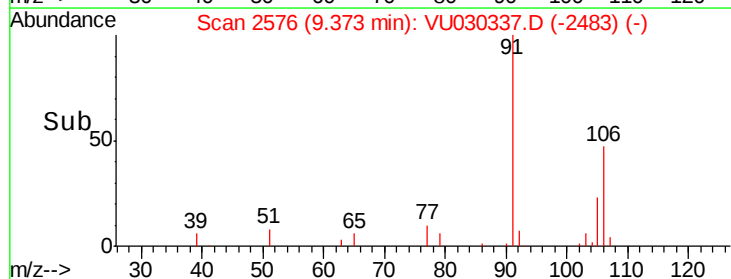
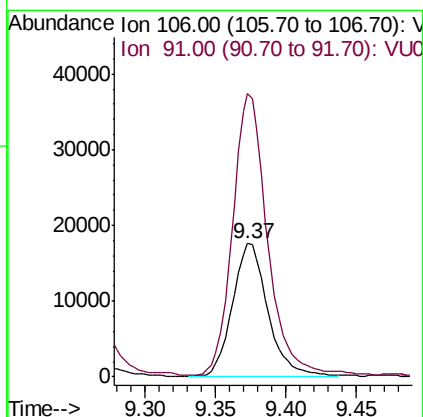
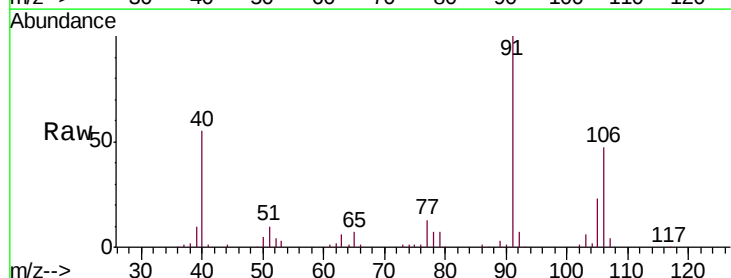
Instrument :
MSVOA_U
ClientSampleId :
VSTD00545

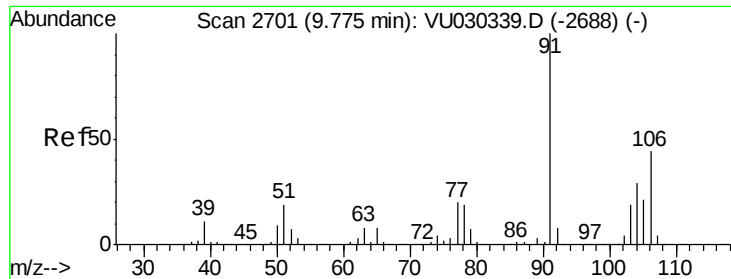
Tgt Ion: 91 Resp: 84254
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.2



#53
m,p-Xylene
Concen: 5.805 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU030337.D
Acq: 23 Mar 2019 13:27

Tgt Ion: 106 Resp: 31198
Ion Ratio Lower Upper
106 100
91 212.2 151.2 280.8





#54

o-xylene

Concen: 5.553 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

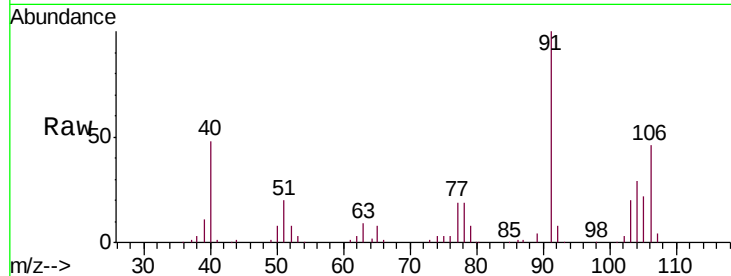
VSTD00545

Tgt Ion:106 Resp: 29392

Ion Ratio Lower Upper

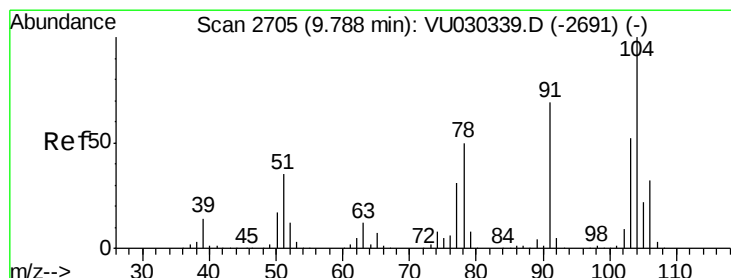
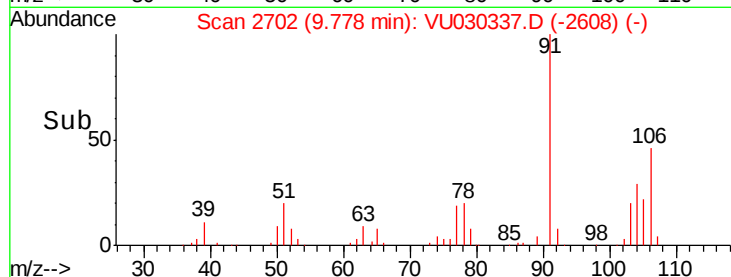
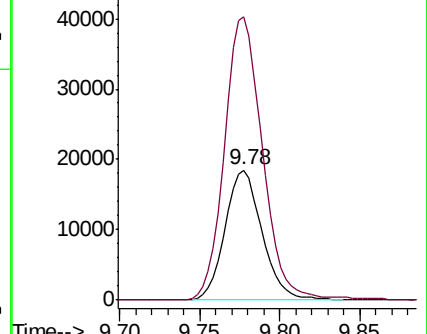
106 100

91 217.1 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.508 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030337.D

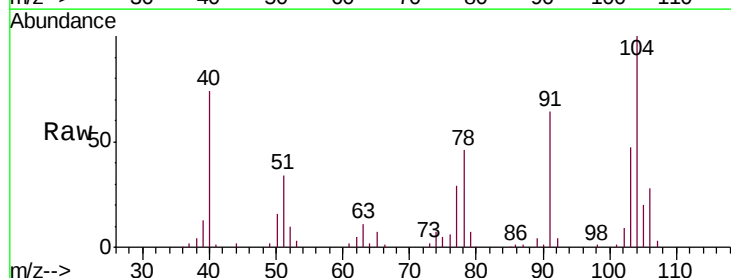
Acq: 23 Mar 2019 13:27

Tgt Ion:104 Resp: 49584

Ion Ratio Lower Upper

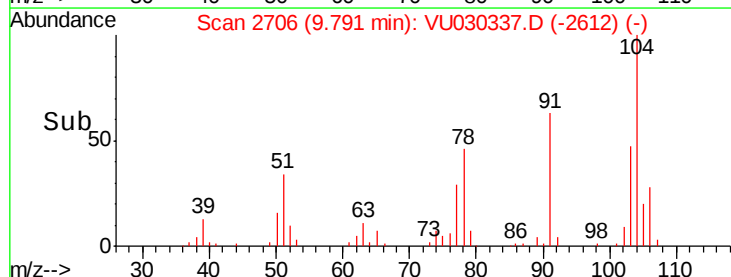
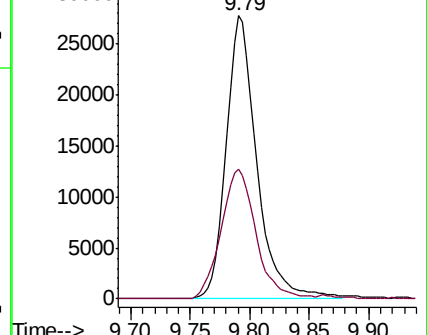
104 100

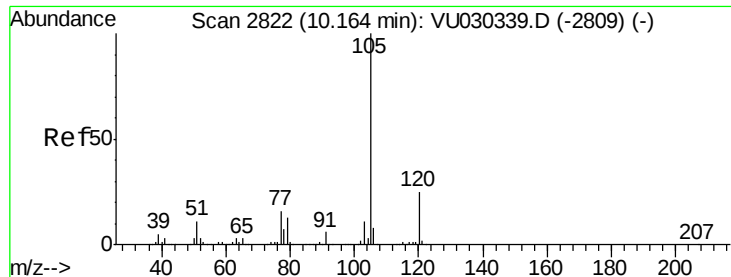
78 45.9 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.686 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

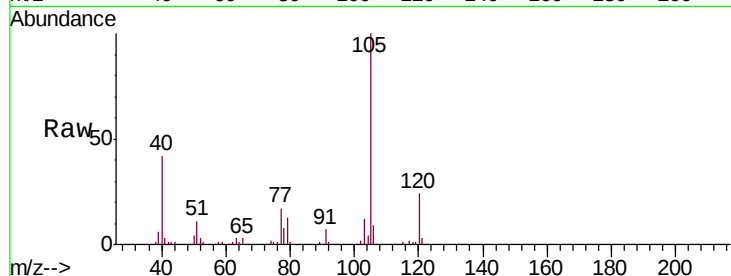
Tgt Ion:105 Resp: 78276

Ion Ratio Lower Upper

105 100

120 24.3 20.2 30.2

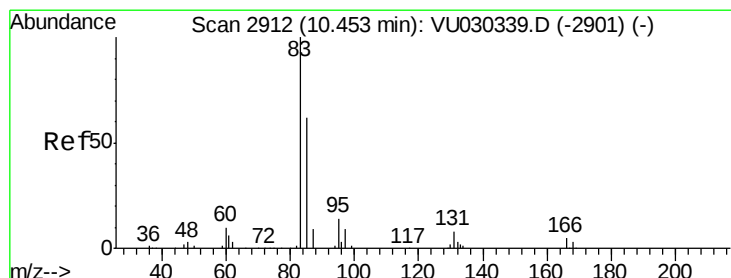
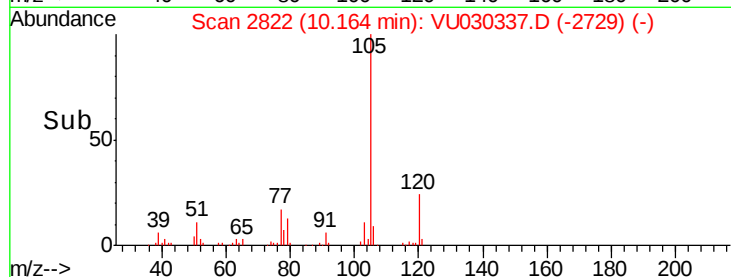
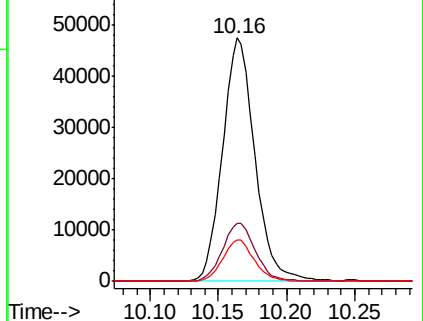
77 16.7 13.2 19.8



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: 6.327 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

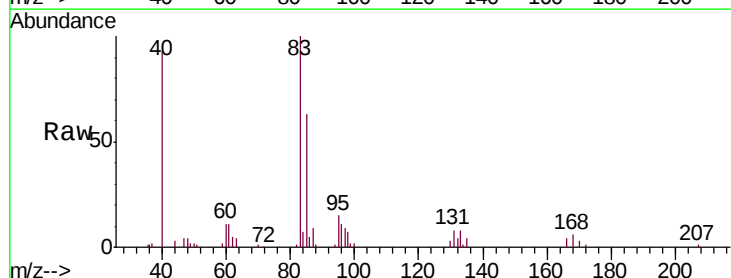
Tgt Ion: 83 Resp: 34336

Ion Ratio Lower Upper

83 100

85 62.7 44.3 82.3

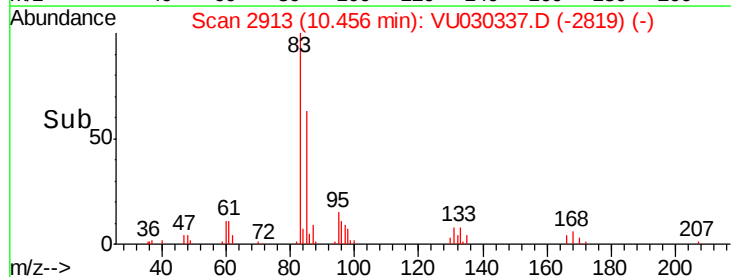
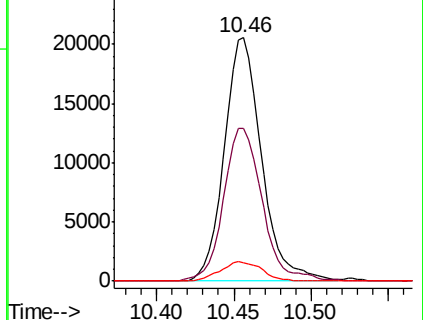
131 7.5 6.7 10.1

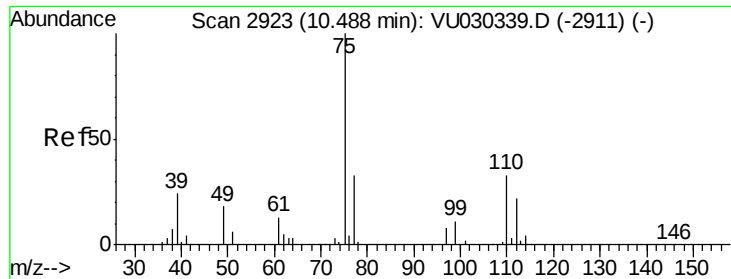


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

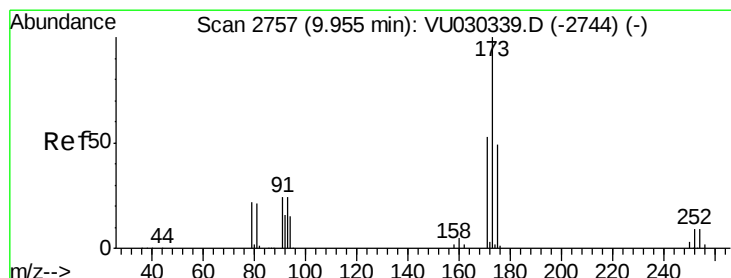
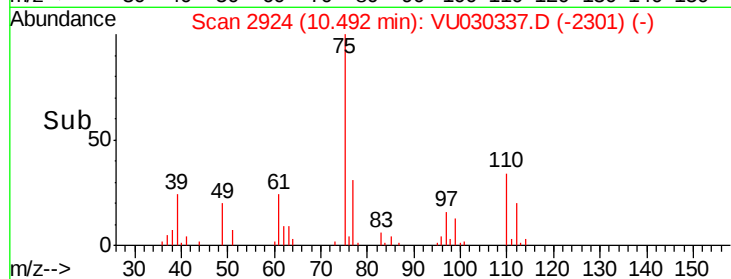
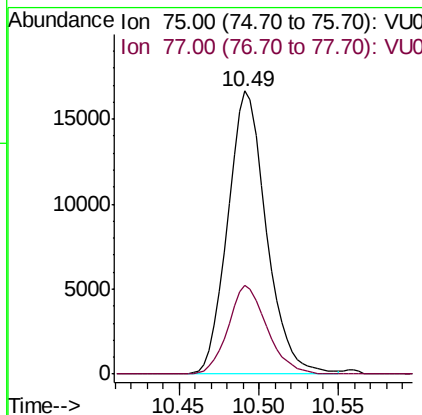
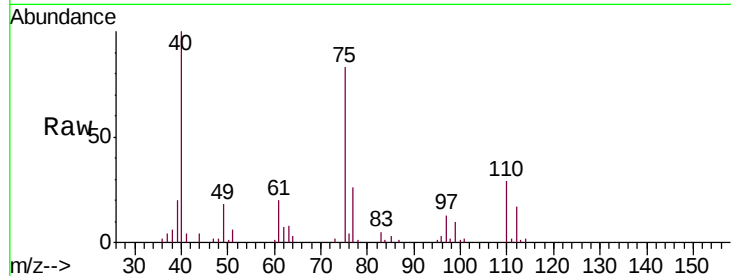




#59
 1,2,3-Trichloropropane
 Concen: 6.503 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

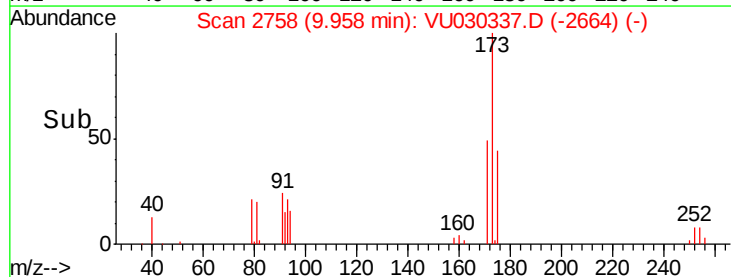
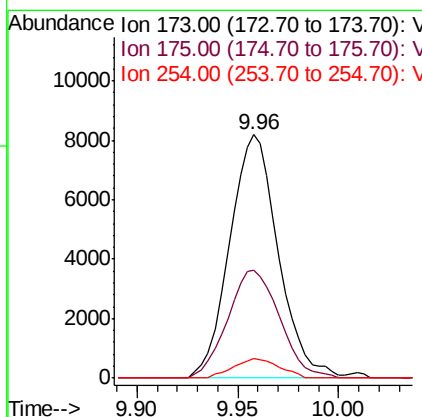
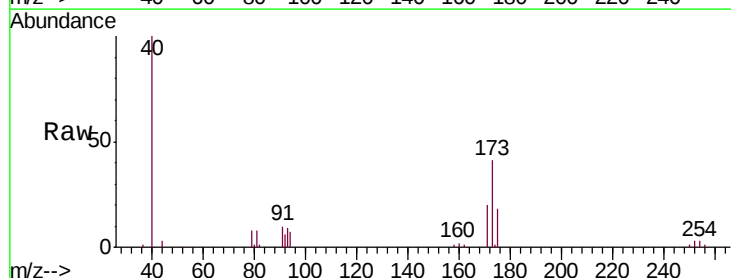
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

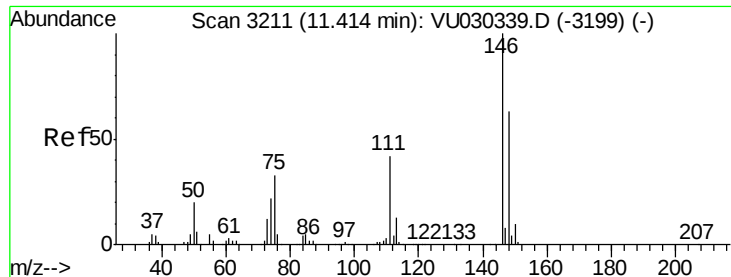
Tgt Ion: 75 Resp: 27411
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2



#61
 Bromoform
 Concen: 5.735 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion: 173 Resp: 13770
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.5 57.7
 254 7.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.999 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

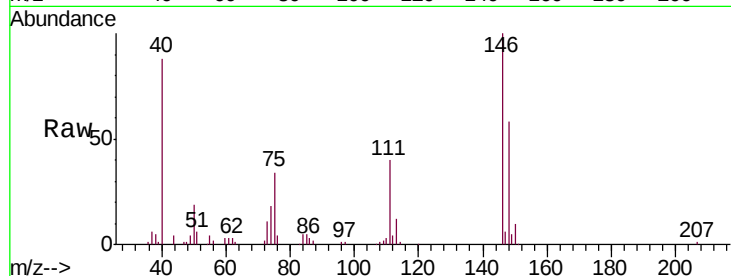
Tgt Ion:146 Resp: 35600

Ion Ratio Lower Upper

146 100

111 40.4 29.2 54.2

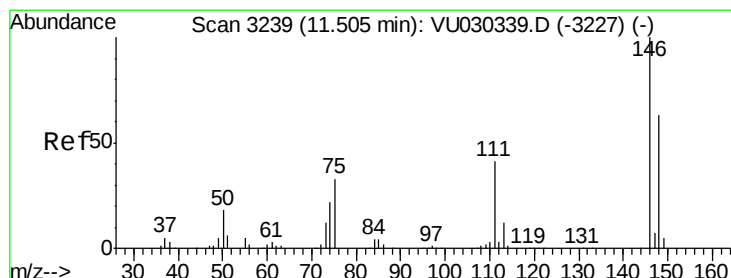
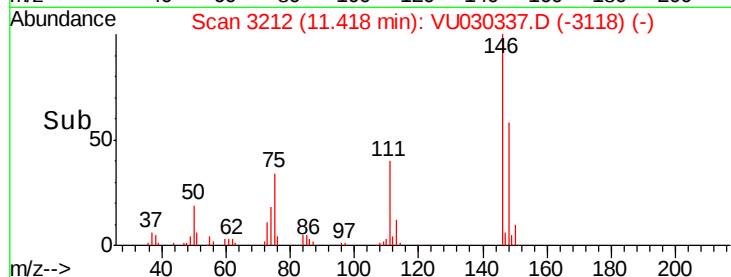
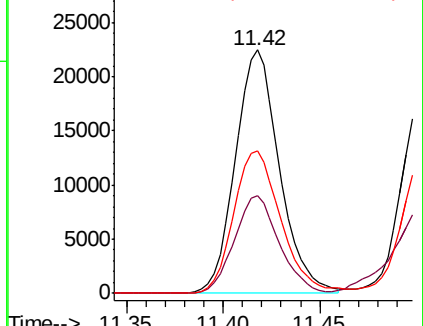
148 58.3 44.4 82.4



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: 6.084 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

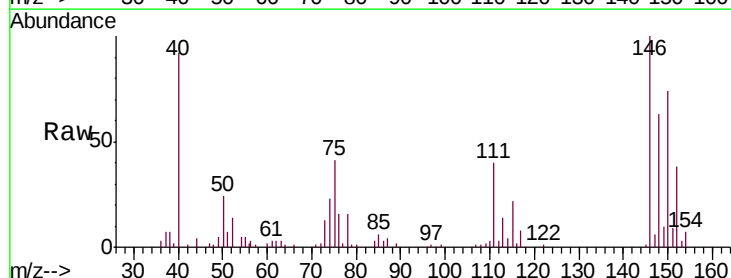
Tgt Ion:146 Resp: 37415

Ion Ratio Lower Upper

146 100

111 40.0 28.7 53.3

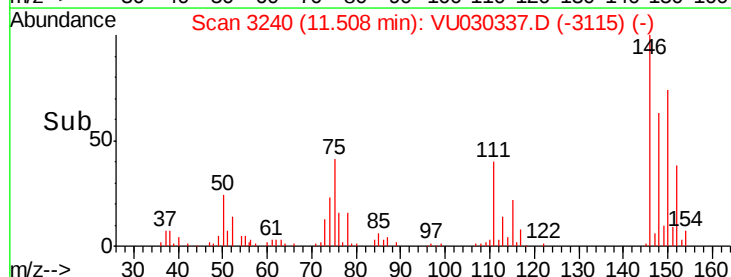
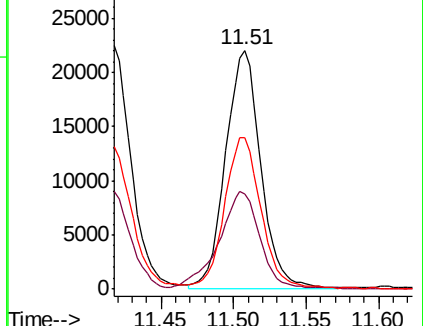
148 63.3 44.3 82.3

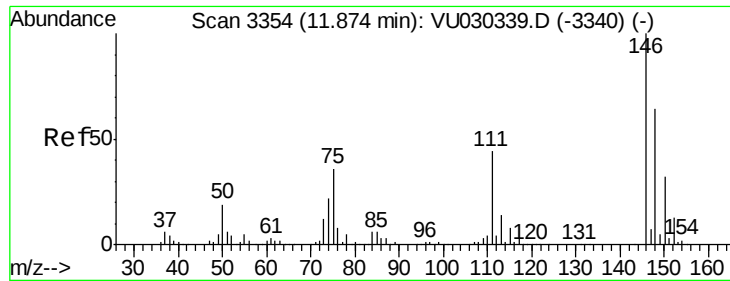


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.893 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

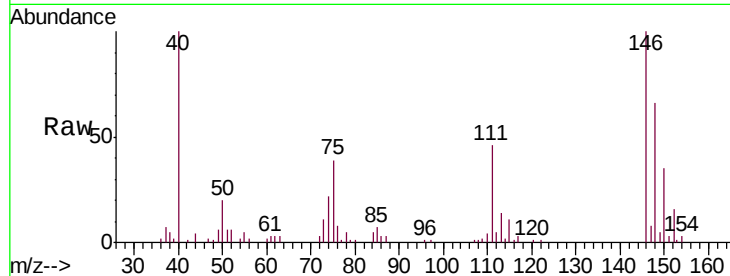
Tgt Ion:146 Resp: 35655

Ion Ratio Lower Upper

146 100

111 46.2 34.9 52.3

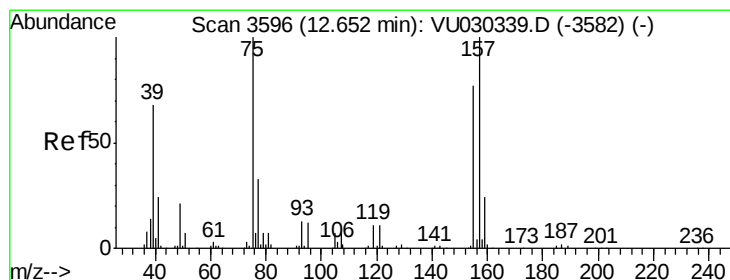
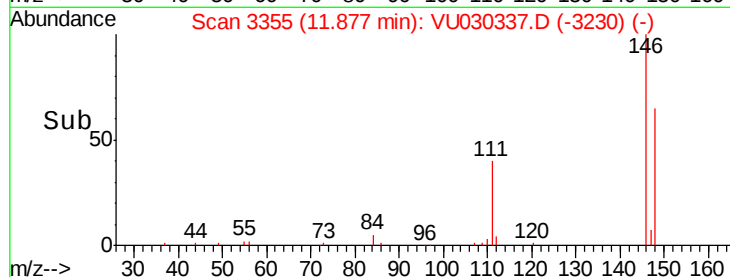
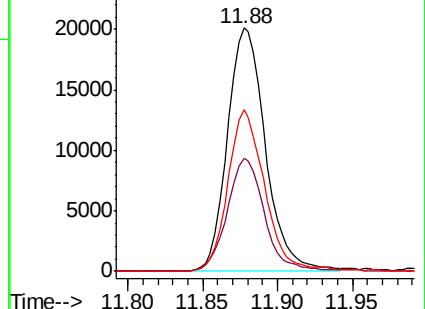
148 66.3 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 7.016 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

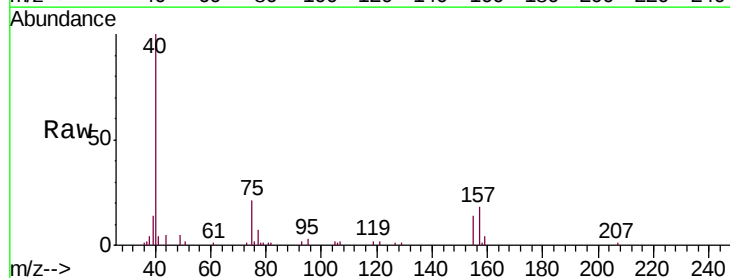
Tgt Ion: 75 Resp: 7578

Ion Ratio Lower Upper

75 100

155 64.1 61.8 92.6

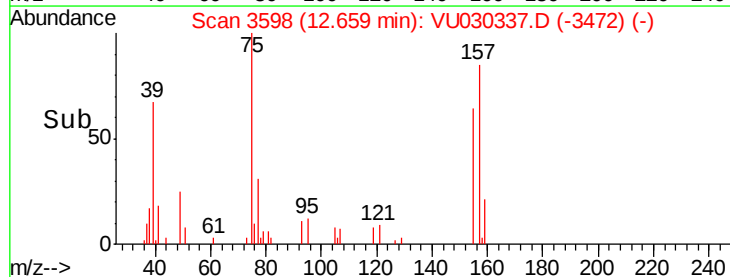
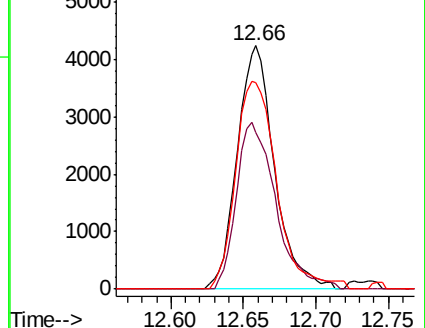
157 84.9 80.2 120.4

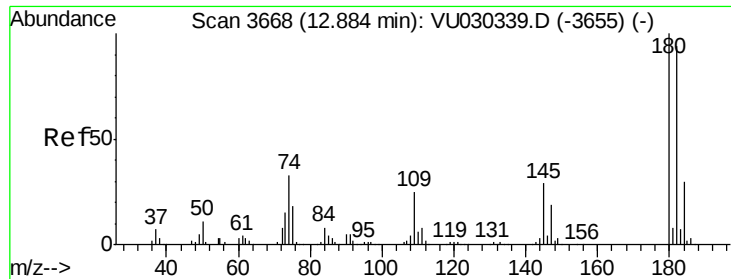


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

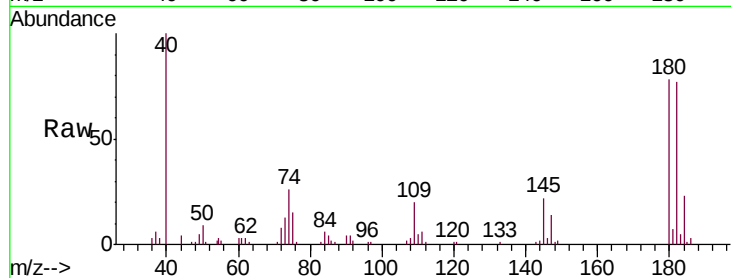




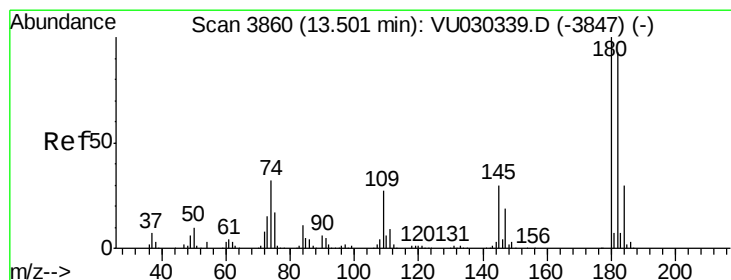
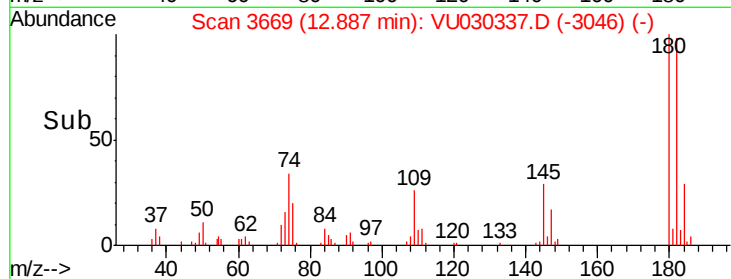
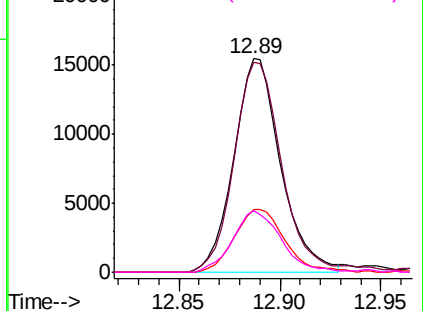
#67
 1,3,5-Trichlorobenzene
 Concen: 5.468 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00545

Tgt Ion:180 Resp: 25199
 Ion Ratio Lower Upper
 180 100
 182 101.1 75.9 113.9
 184 31.5 24.1 36.1
 145 29.8 23.8 35.8

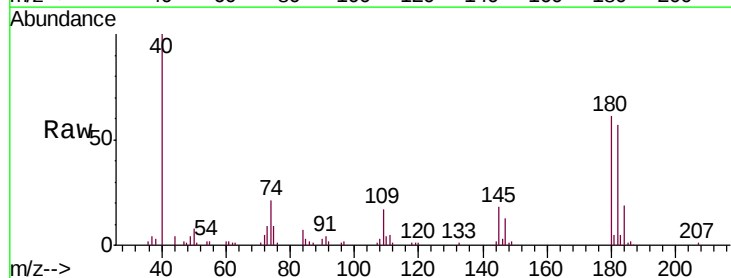


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

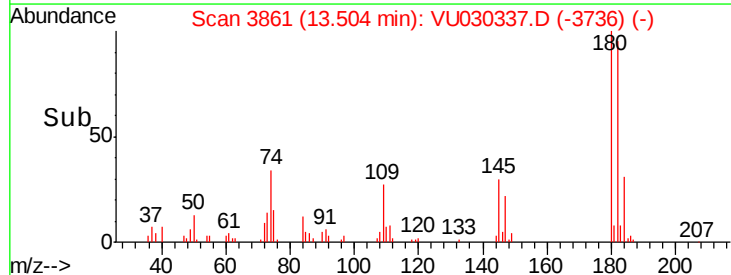
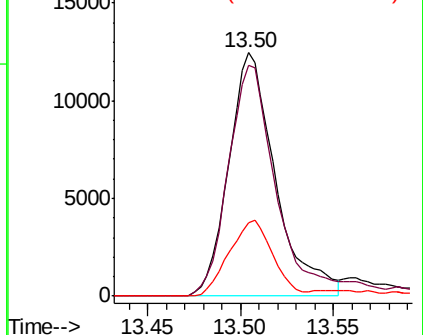


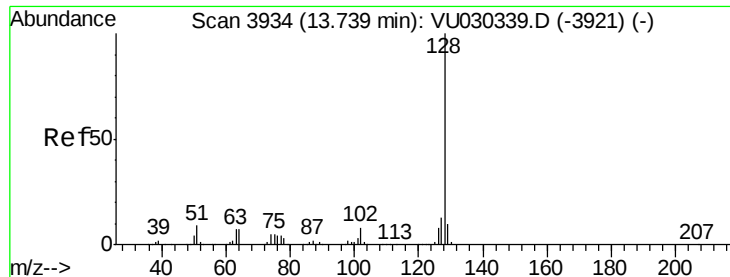
#68
 1,2,4-trichlorobenzene
 Concen: 5.369 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030337.D
 Acq: 23 Mar 2019 13:27

Tgt Ion:180 Resp: 21842
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 145 29.1 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: 7.223 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD00545

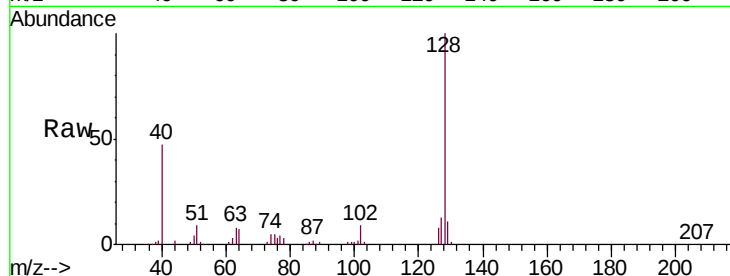
Tgt Ion:128 Resp: 94143

Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

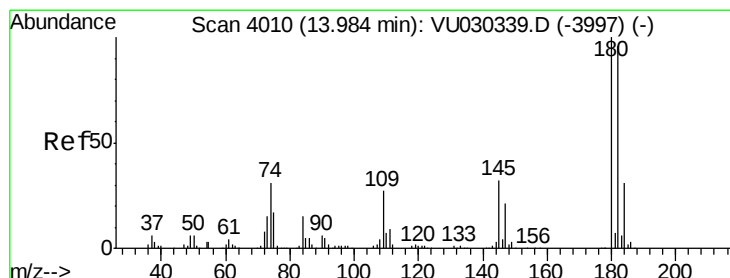
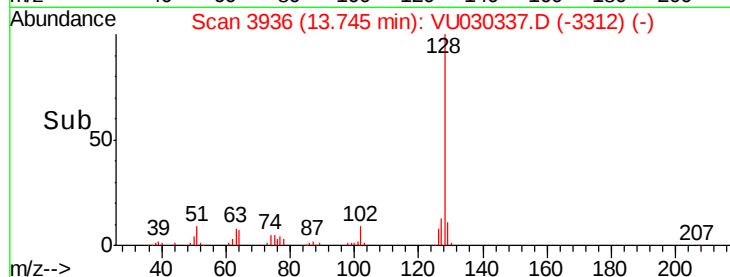
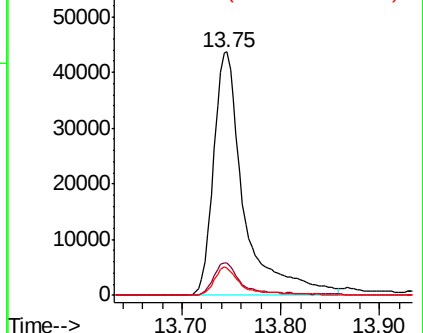
129 9.4 8.4 12.6



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: 5.921 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030337.D

Acq: 23 Mar 2019 13:27

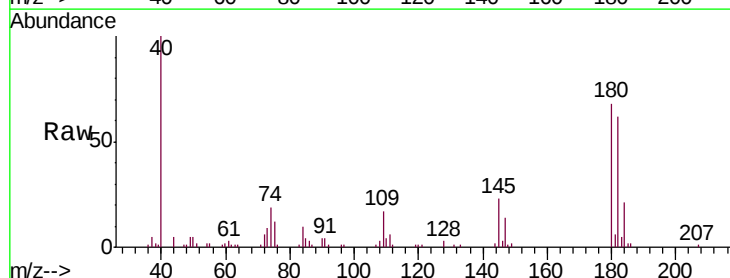
Tgt Ion:180 Resp: 24991

Ion Ratio Lower Upper

180 100

182 94.6 77.4 116.2

145 32.3 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

