

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037560.D
 Acq On : 03 Apr 2020 10:10
 Operator : JC/MD
 Sample : VSTD01031
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Quant Time: Apr 04 02:52:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 02:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	75176	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	70197	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	34374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11776	19.29	ug/L	0.00
7) Chloroethane-d5	1.93	69	9312	18.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	18799	18.32	ug/L	0.00
21) 2-Butanone-d5	4.67	46	17885	38.98	ug/L	0.00
24) Chloroform-d	5.10	84	19552	19.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	13291	19.46	ug/L	0.00
32) Benzene-d6	5.76	84	40323	19.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	13622	19.90	ug/L	0.00
41) Toluene-d8	7.92	98	37007	19.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	7412	19.94	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	13790	38.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	19250	19.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	13236	18.87	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	5898	12.136 ug/L	90
3) Chloromethane	1.54	50	6558	12.721 ug/L	100
5) Vinyl chloride	1.62	62	6291	12.289 ug/L	100
6) Bromomethane	1.87	94	2885	11.427 ug/L	100
8) Chloroethane	1.95	64	3819	12.649 ug/L	96
9) Trichlorofluoromethane	2.16	101	9025	12.426 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4537	10.952 ug/L	94
12) 1,1-Dichloroethene	2.60	96	4691	11.665 ug/L #	40
13) Acetone	2.66	43	6543	24.667 ug/L	94
14) Carbon disulfide	2.82	76	14190	12.216 ug/L	98
15) Methyl Acetate	2.98	43	7139	11.877 ug/L	98
16) Methylene chloride	3.08	84	6213	12.738 ug/L	88
17) trans-1,2-Dichloroethene	3.39	96	5365	12.390 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	18110	11.931 ug/L	97
19) 1,1-Dichloroethane	3.91	63	10356	12.207 ug/L	92
20) cis-1,2-Dichloroethene	4.71	96	5923	11.878 ug/L	94
22) 2-Butanone	4.75	43	10415	24.056 ug/L	91
23) Bromochloromethane	5.02	128	2817	11.770 ug/L	80
25) Chloroform	5.13	83	10669	12.061 ug/L	98
27) 1,2-Dichloroethane	5.83	62	7996	11.713 ug/L	99
29) Cyclohexane	5.42	56	9225	12.540 ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	9116	12.251 ug/L	98
31) Carbon tetrachloride	5.56	117	7272	11.874 ug/L	96
33) Benzene	5.81	78	22381	12.168 ug/L	100
34) Trichloroethene	6.57	95	5580	11.602 ug/L	93
35) Methylcyclohexane	6.79	83	8347	11.233 ug/L #	84
37) 1,2-Dichloropropane	6.82	63	6088	11.617 ug/L #	90
38) Bromodichloromethane	7.13	83	8121	11.914 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	9631	11.766 ug/L	94
40) 4-Methyl-2-pentanone	7.82	43	20921	24.601 ug/L	99

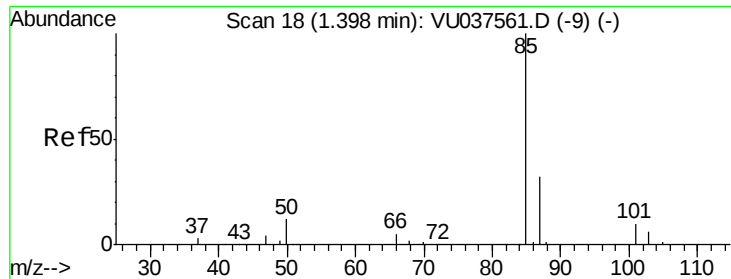
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	23686	11.900	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	9766	12.115	ug/L	87
45) 1,1,2-Trichloroethane	8.42	97	5822	12.168	ug/L	97
46) Tetrachloroethene	8.57	164	3695	11.442	ug/L	86
48) 2-Hexanone	8.71	43	16223	24.531	ug/L	99
49) Dibromochloromethane	8.83	129	6111	11.451	ug/L	96
50) 1,2-Dibromoethane	8.94	107	6206	11.794	ug/L #	99
51) Chlorobenzene	9.47	112	15207	12.318	ug/L	98
52) Ethylbenzene	9.59	91	26608	11.821	ug/L	96
53) m,p-Xylene	9.71	106	10227	12.181	ug/L	88
54) o-xylene	10.12	106	9572	11.829	ug/L	95
55) Styrene	10.13	104	17398	12.142	ug/L	97
56) Isopropylbenzene	10.50	105	25098	11.439	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	10377	12.030	ug/L #	90
59) 1,2,3-Trichloropropane	10.84	75	8065	11.971	ug/L	96
61) Bromoform	10.31	173	4531	11.531	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	11103	11.187	ug/L	93
63) 1,4-Dichlorobenzene	11.85	146	11422	11.402	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	11233	11.430	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.02	75	2575	10.923	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	7355	10.676	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	7123	10.846	ug/L	92
69) Naphthalene	14.11	128	34205	12.293	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	7668	11.557	ug/L	91

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



#2

Dichlorodifluoromethane

Concen: 12.136 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

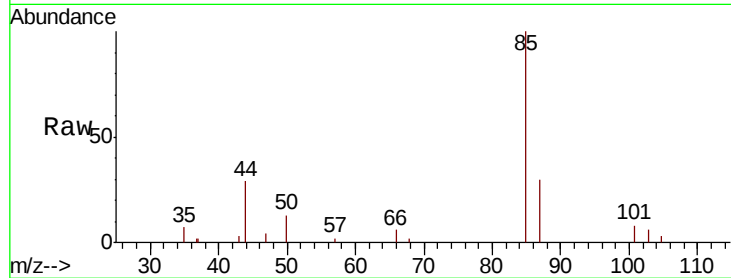
VSTD01031

Tot Ion: 85 Resp: 5898

Ion Ratio Lower Upper

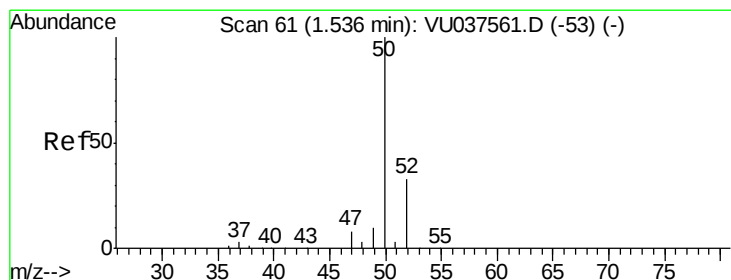
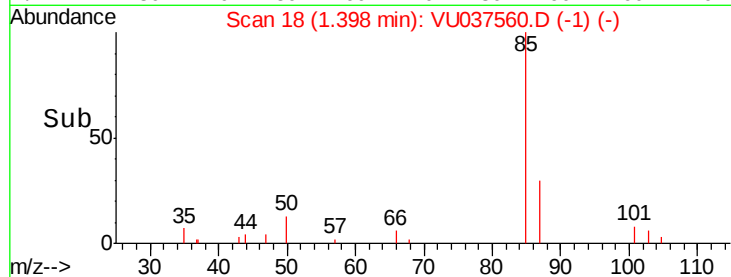
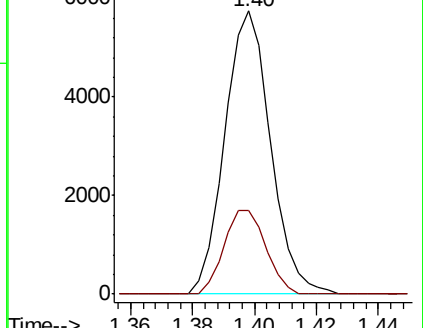
85 100

87 27.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037561.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037561.D (-9) (-)



#3

Chloromethane

Concen: 12.721 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037560.D

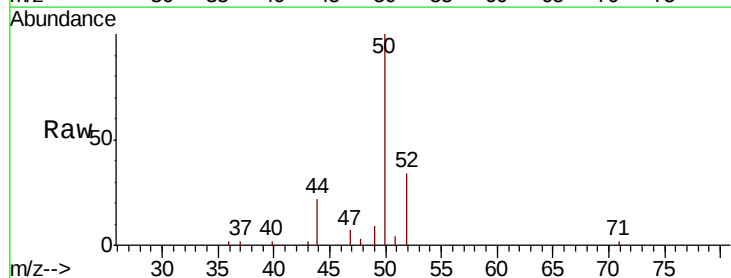
Acq: 03 Apr 2020 10:10

Tgt Ion: 50 Resp: 6558

Ion Ratio Lower Upper

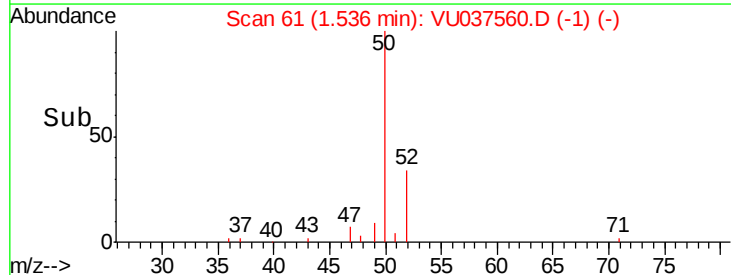
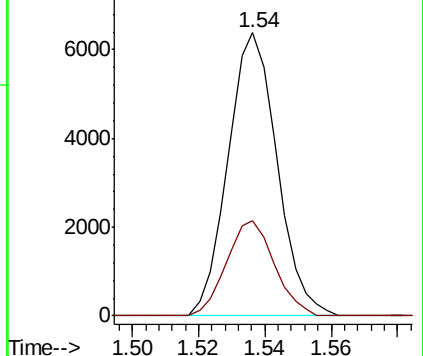
50 100

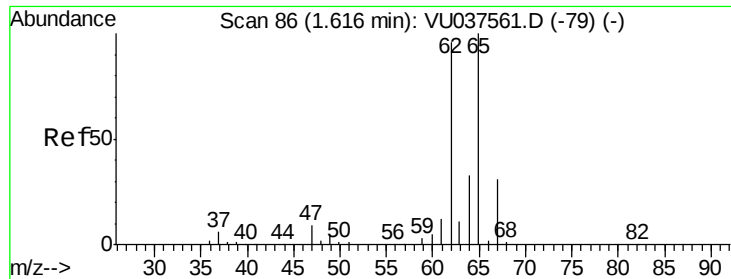
52 33.6 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU037561.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037561.D (-53) (-)





#5

Vinyl chloride

Concen: 12.289 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

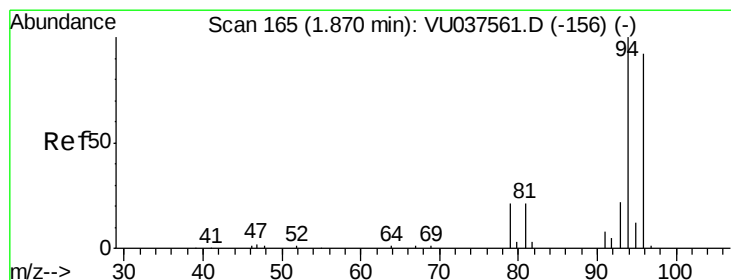
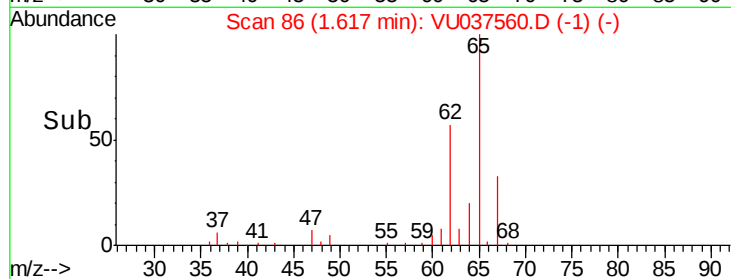
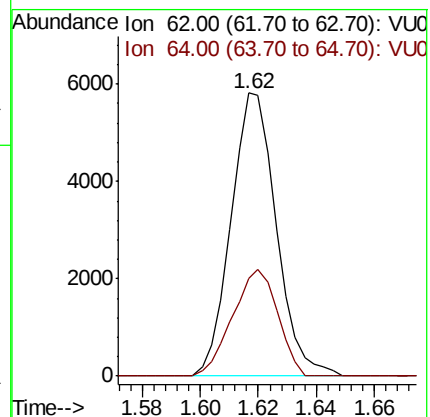
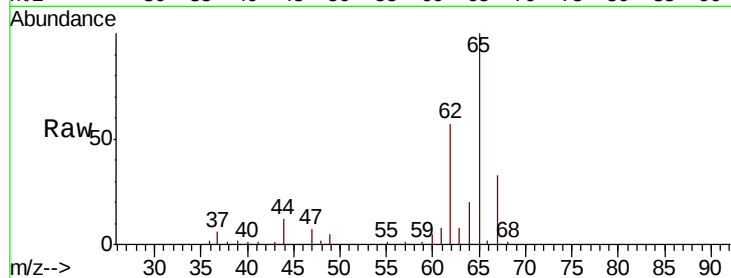
VSTD01031

Tot Ion: 62 Resp: 6291

Ion Ratio Lower Upper

62 100

64 34.5 24.0 44.6



#6

Bromomethane

Concen: 11.427 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037560.D

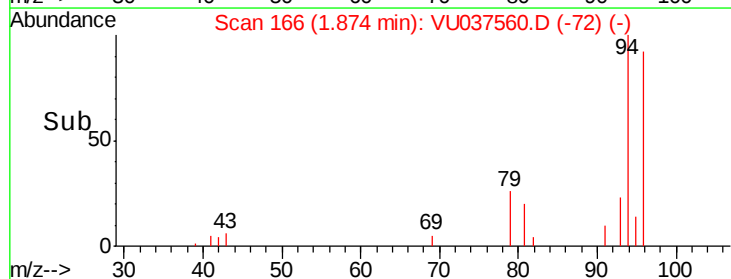
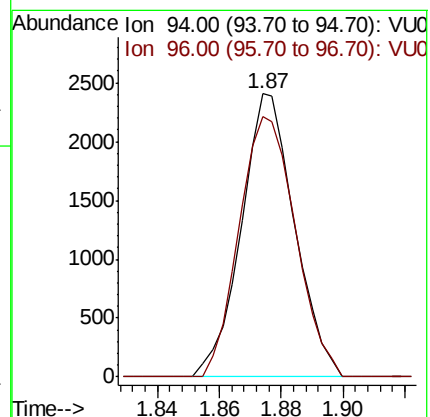
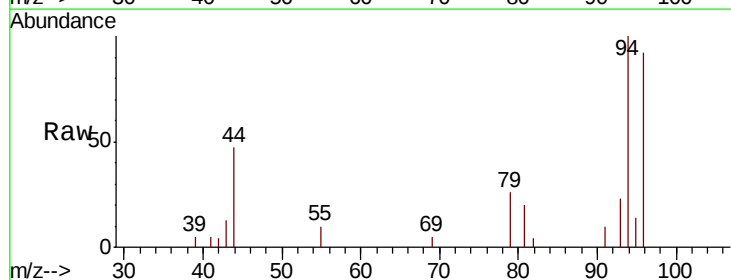
Acq: 03 Apr 2020 10:10

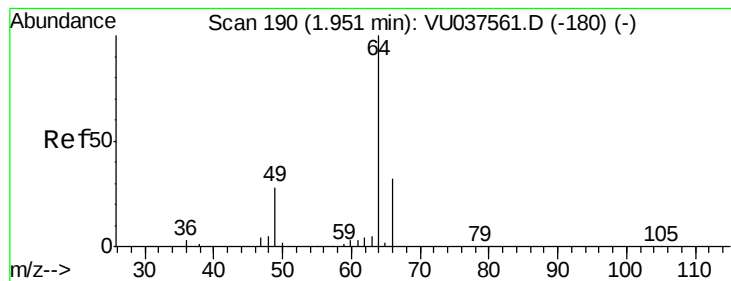
Tgt Ion: 94 Resp: 2885

Ion Ratio Lower Upper

94 100

96 92.1 64.4 119.6





#8

Chloroethane

Concen: 12.649 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

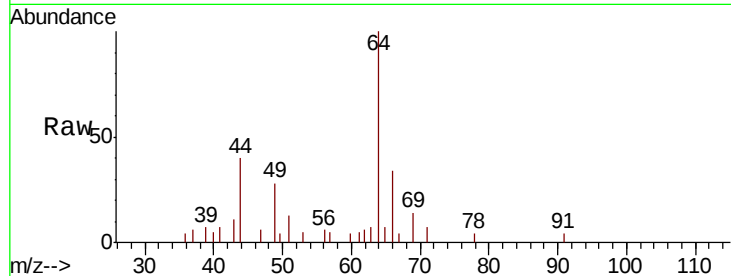
VSTD01031

Tot Ion: 64 Resp: 3819

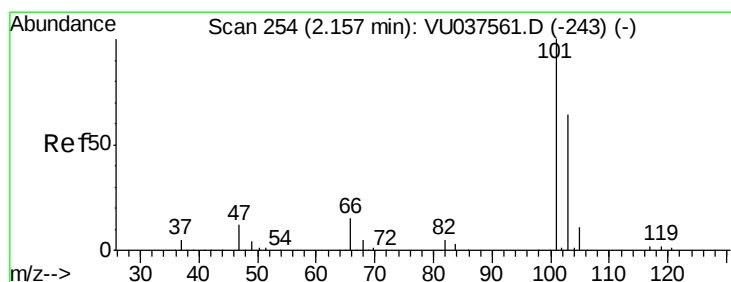
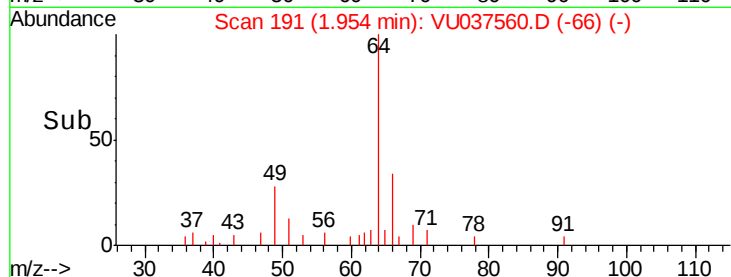
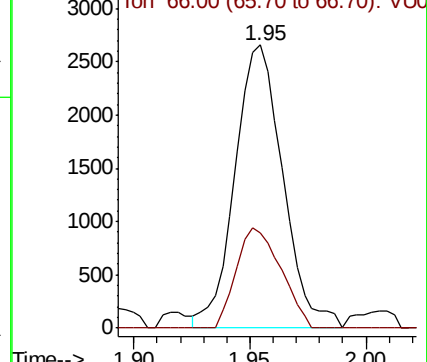
Ion Ratio Lower Upper

64 100

66 33.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037561.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 12.426 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU037560.D

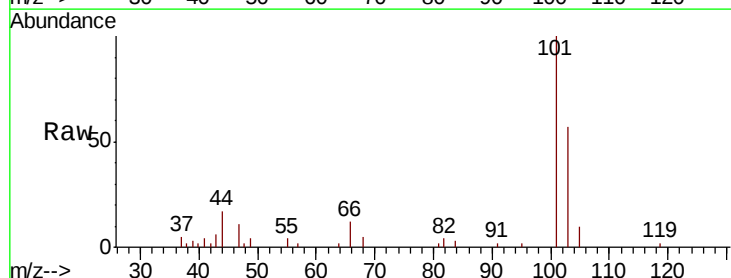
Acq: 03 Apr 2020 10:10

Tgt Ion:101 Resp: 9025

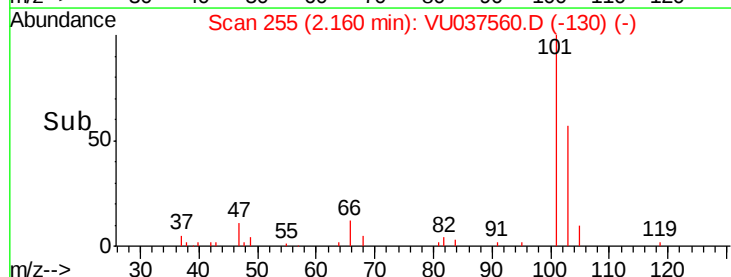
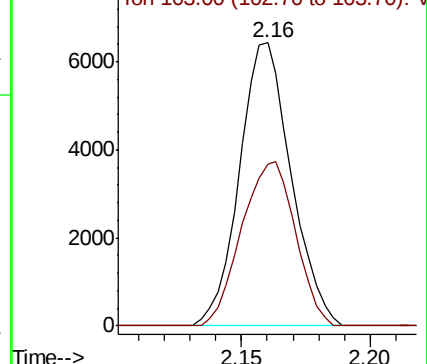
Ion Ratio Lower Upper

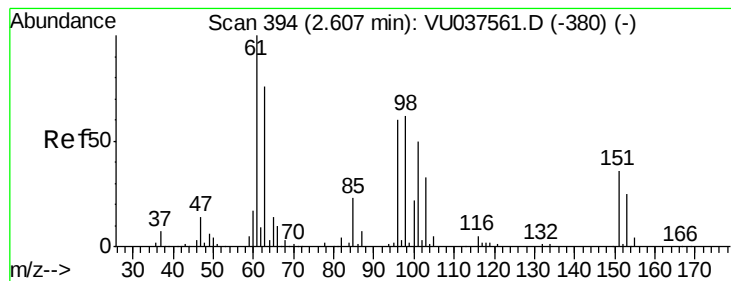
101 100

103 60.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU037561.D (-243) (-)





#10

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

Concen: 10.952 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

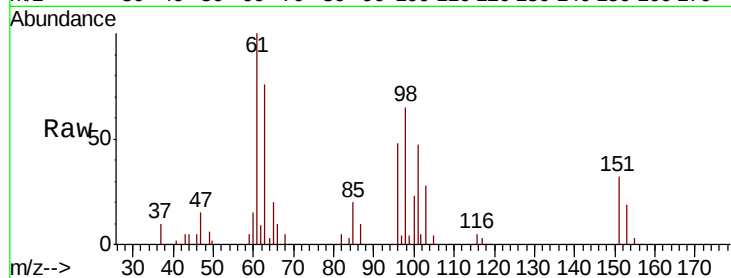
Tot Ion:101 Resp: 4537

Ion Ratio Lower Upper

101 100

85 48.0 35.4 53.2

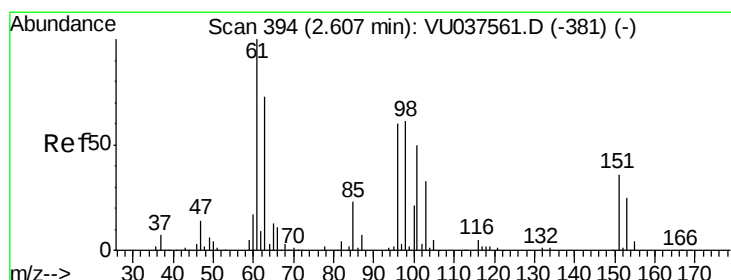
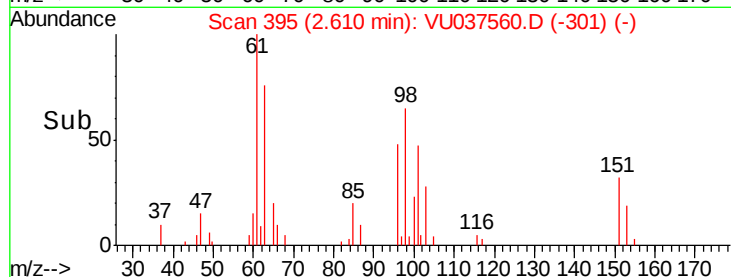
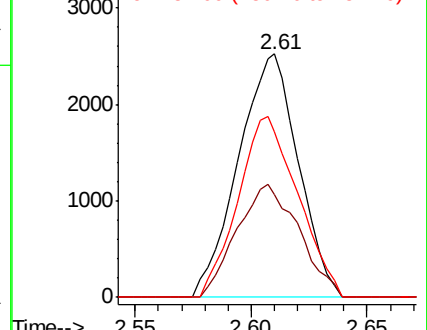
151 74.1 55.3 82.9



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: 11.665 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

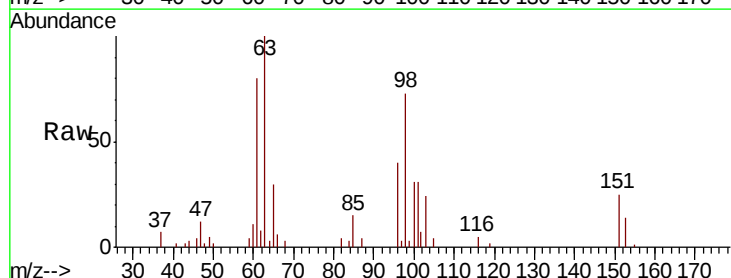
Tgt Ion: 96 Resp: 4691

Ion Ratio Lower Upper

96 100

61 201.6 117.2 217.8

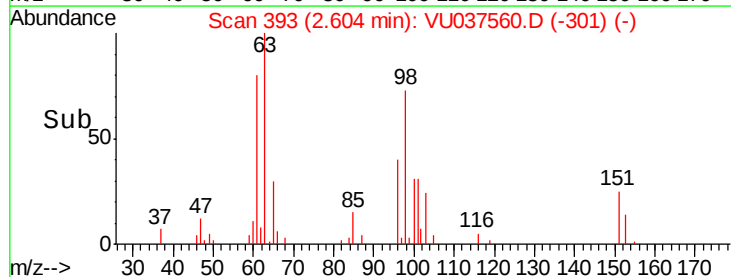
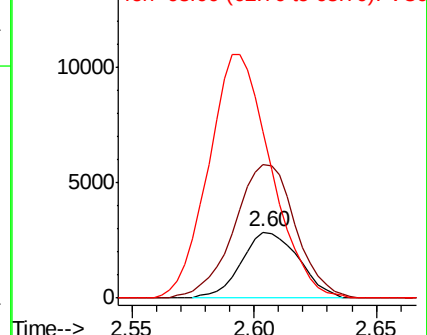
63 252.5 90.9 168.9#

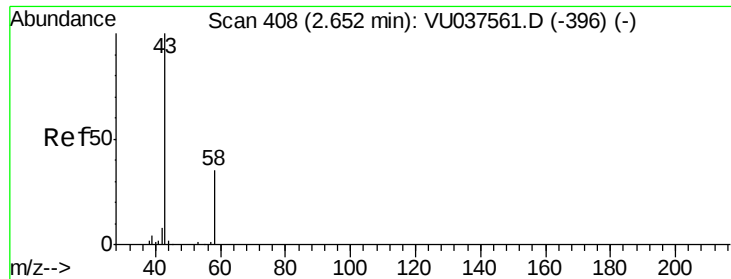


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.667 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

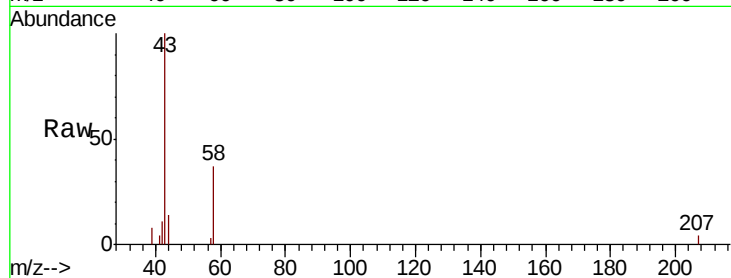
VSTD01031

Tot Ion: 43 Resp: 6543

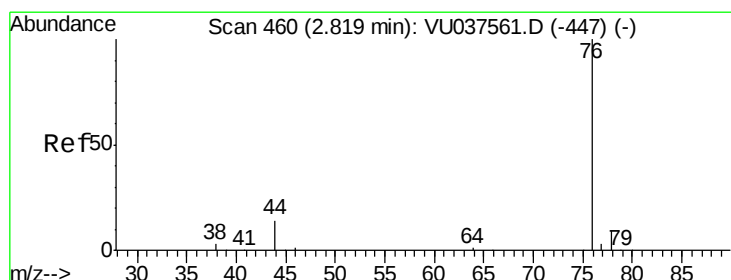
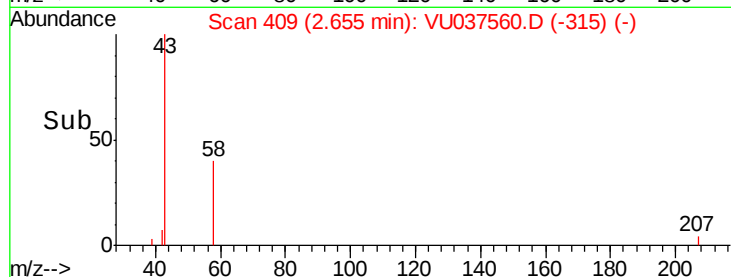
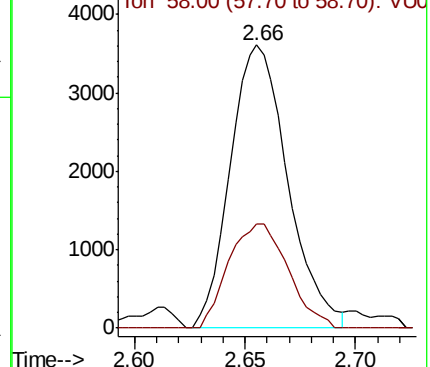
Ion Ratio Lower Upper

43 100

58 37.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VU037560.D (-315) (-)



#14

Carbon disulfide

Concen: 12.216 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037560.D

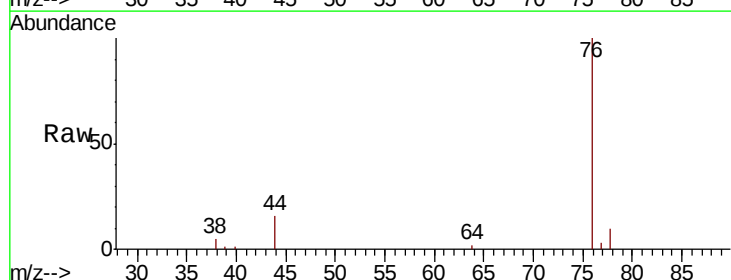
Acq: 03 Apr 2020 10:10

Tgt Ion: 76 Resp: 14190

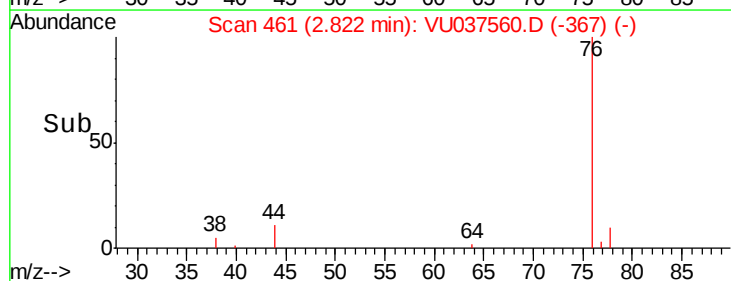
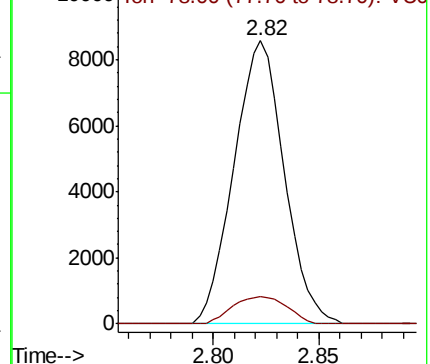
Ion Ratio Lower Upper

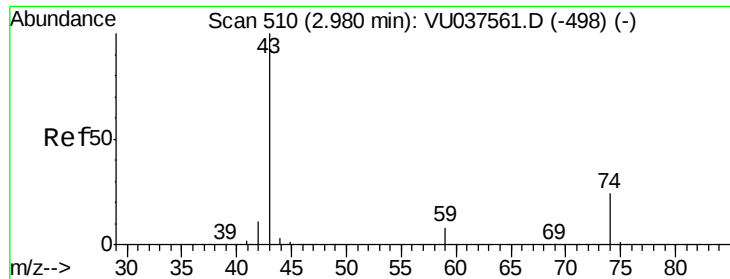
76 100

78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037560.D (-367) (-)

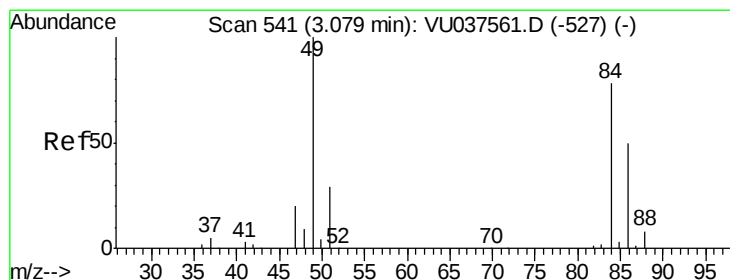
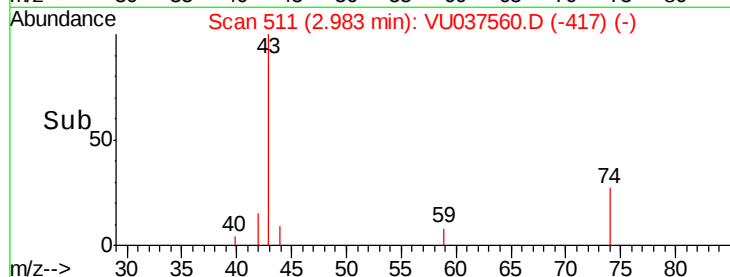
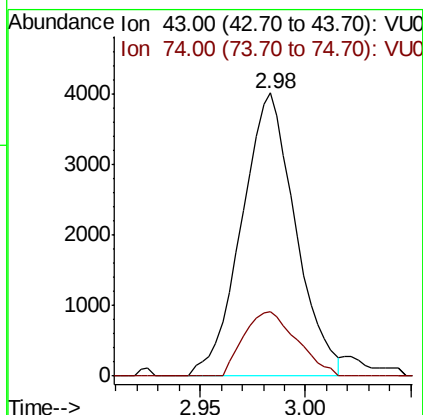
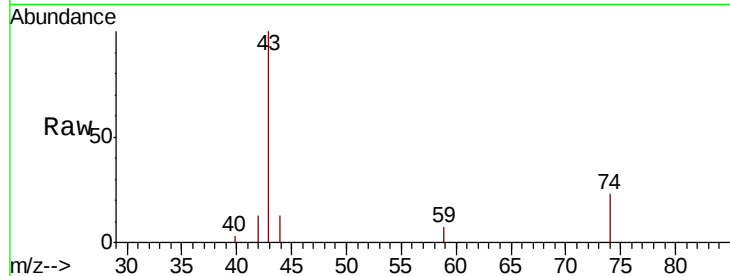




#15
Methvl Acetate
Concen: 11.877 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

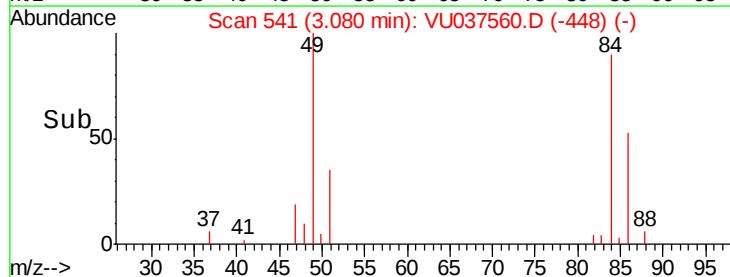
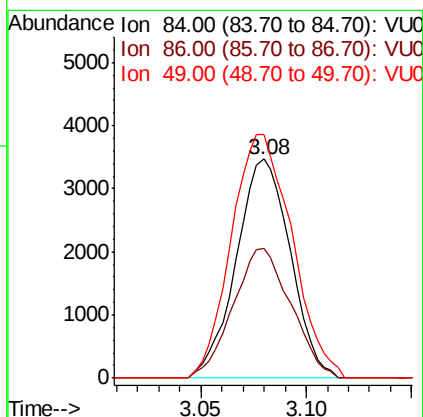
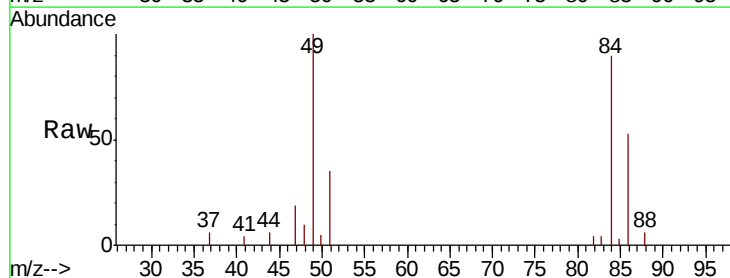
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

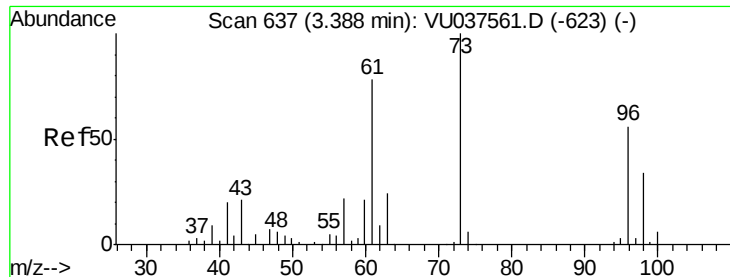
Tot Ion: 43 Resp: 7139
Ion Ratio Lower Upper
43 100
74 22.4 18.8 28.2



#16
Methylene chloride
Concen: 12.738 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

Tgt Ion: 84 Resp: 6213
Ion Ratio Lower Upper
84 100
86 59.0 44.8 83.2
49 110.9 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 12.390 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

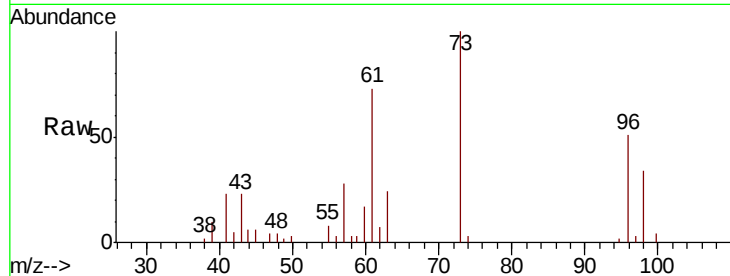
Tot Ion: 96 Resp: 5365

Ion Ratio Lower Upper

96 100

61 141.2 97.3 180.7

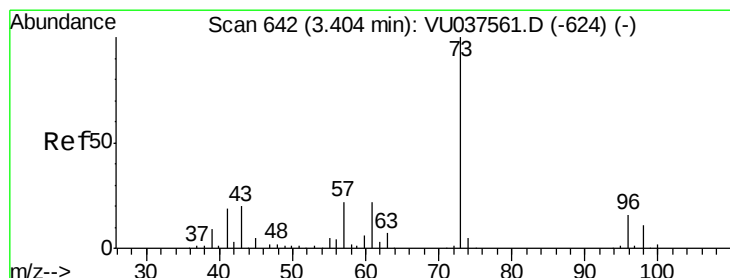
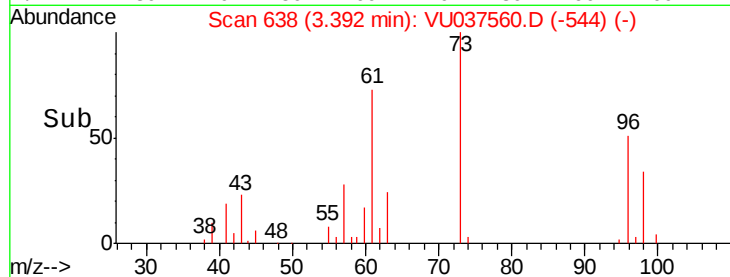
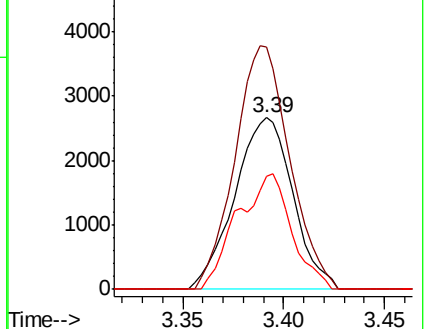
98 66.0 42.7 79.3



Abundance Ion 96.00 (95.70 to 96.70): VU037560.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU037560.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU037560.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 11.931 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

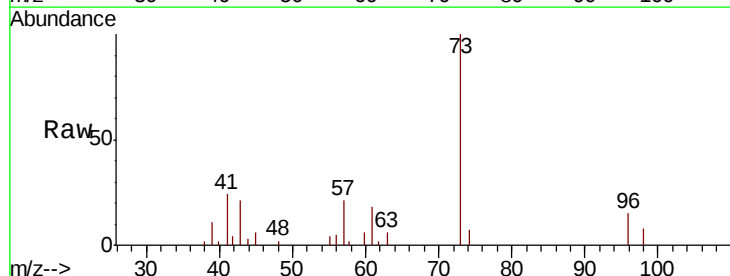
Tgt Ion: 73 Resp: 18110

Ion Ratio Lower Upper

73 100

43 21.5 16.4 24.6

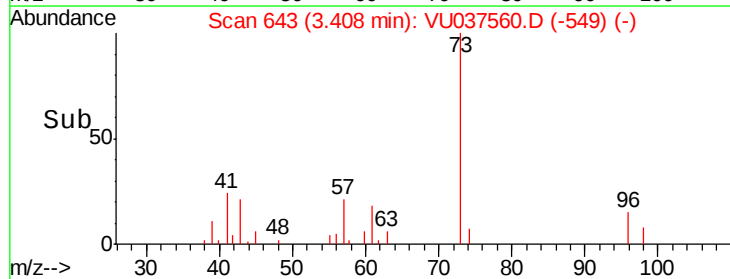
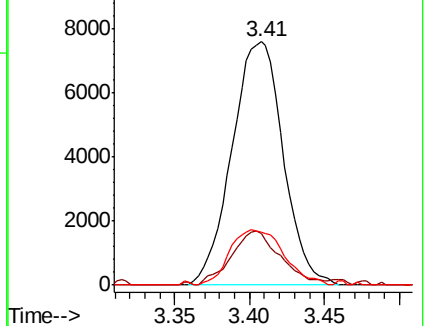
57 24.0 17.7 26.5

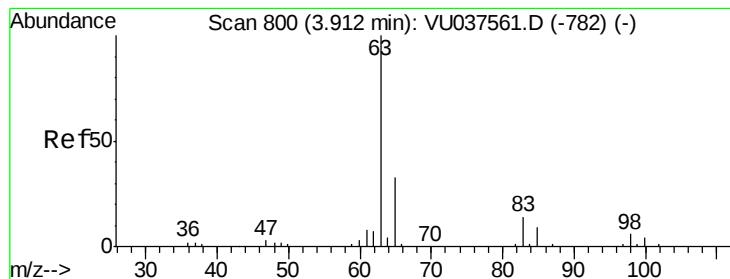


Abundance Ion 73.00 (72.70 to 73.70): VU037560.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU037560.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU037560.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 12.207 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

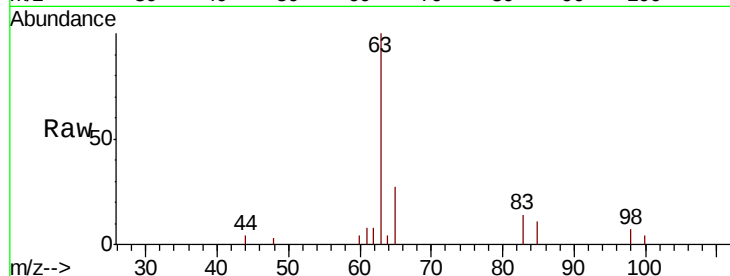
Tot Ion: 63 Resp: 10356

Ion Ratio Lower Upper

63 100

65 26.8 23.2 43.2

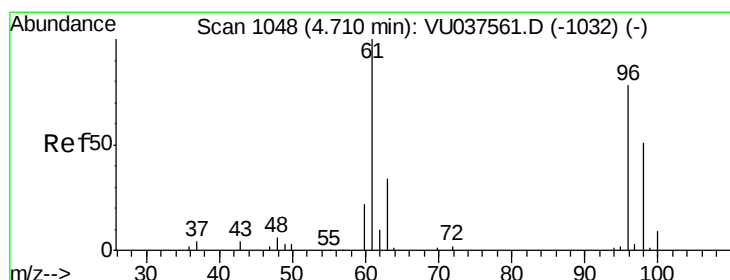
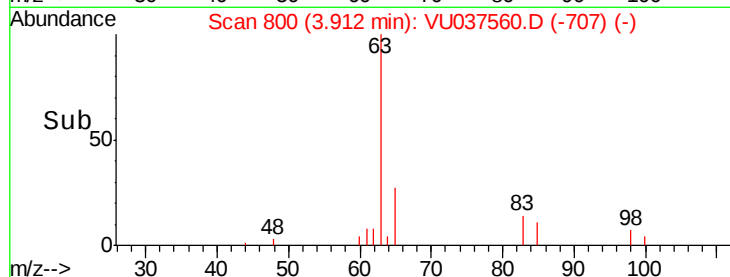
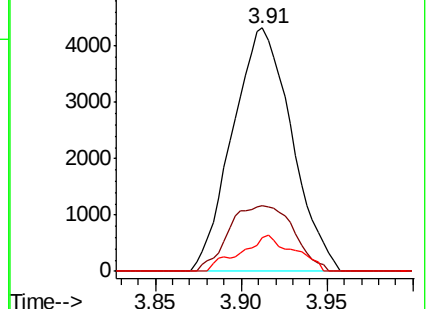
83 14.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU037560.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU037560.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU037560.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 11.878 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

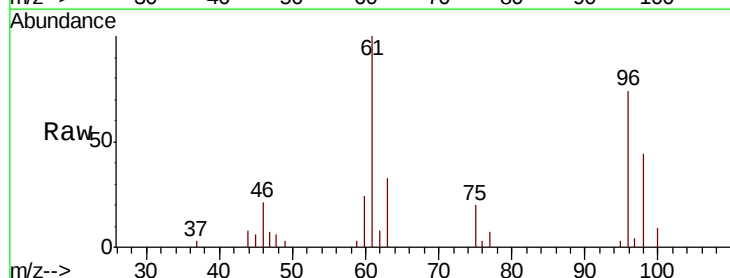
Tgt Ion: 96 Resp: 5923

Ion Ratio Lower Upper

96 100

61 135.5 90.2 167.6

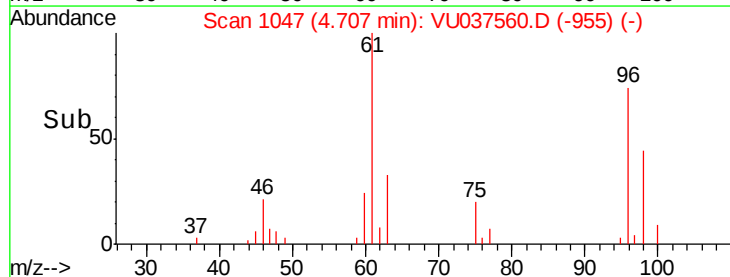
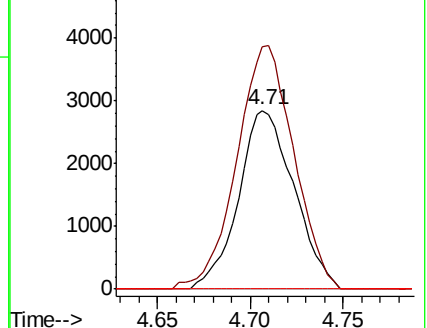
68 0.0 0.0 0.0

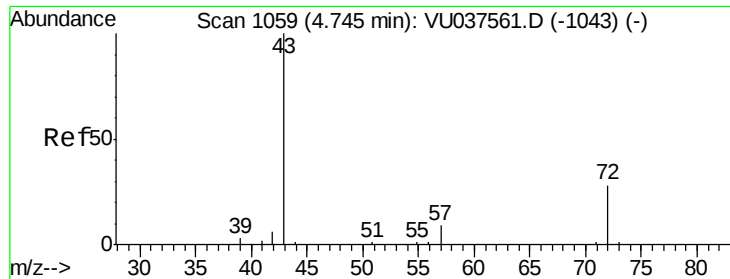


Abundance Ion 96.00 (95.70 to 96.70): VU037560.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037560.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU037560.D (-955) (-)





#22

2-Butanone

Concen: 24.056 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

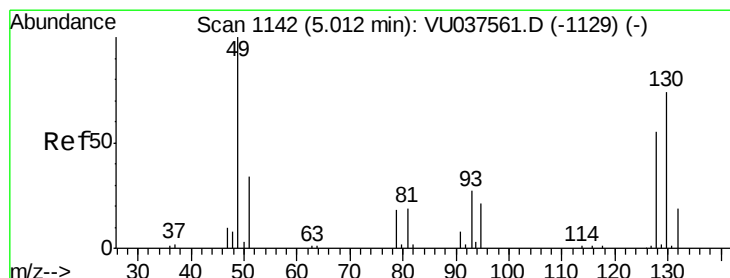
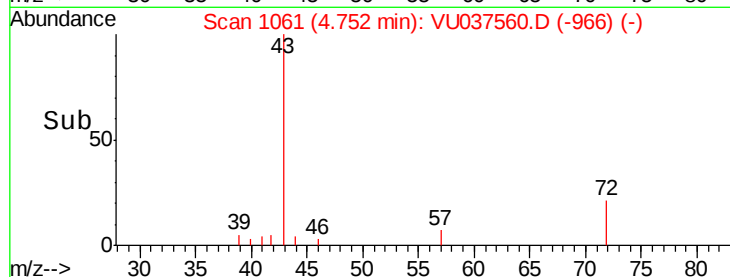
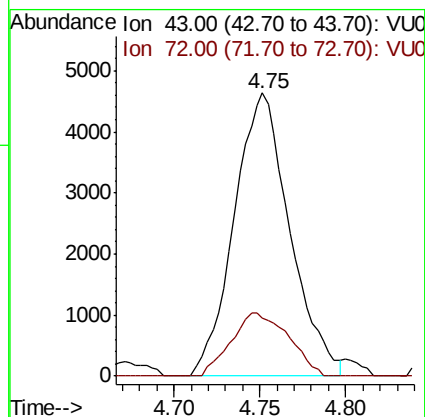
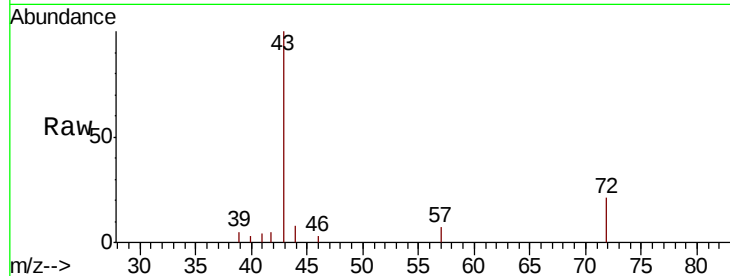
VSTD01031

Tot Ion: 43 Resp: 10415

Ion Ratio Lower Upper

43 100

72 23.0 13.8 41.4



#23

Bromochloromethane

Concen: 11.770 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Tgt Ion: 128 Resp: 2817

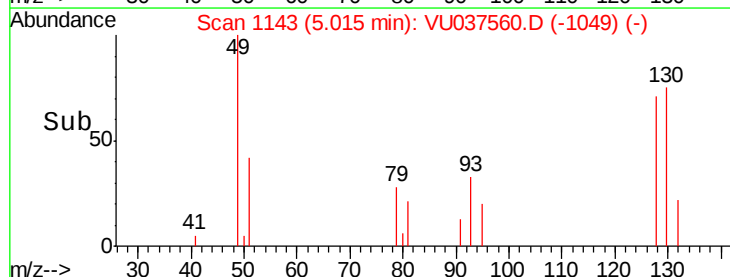
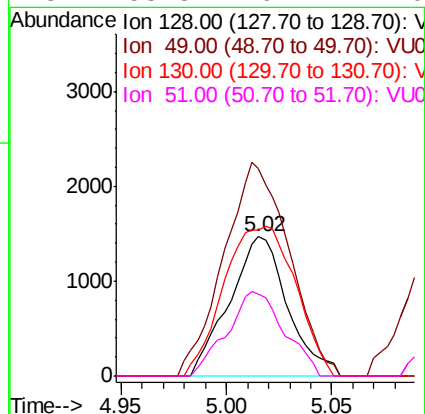
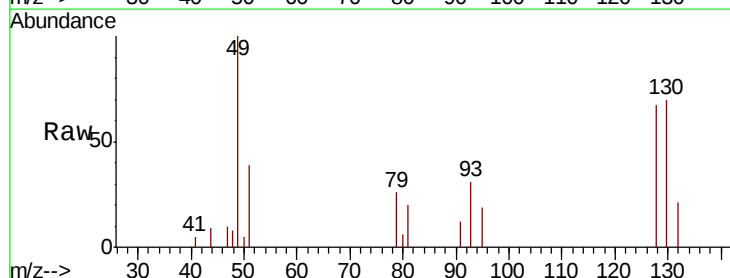
Ion Ratio Lower Upper

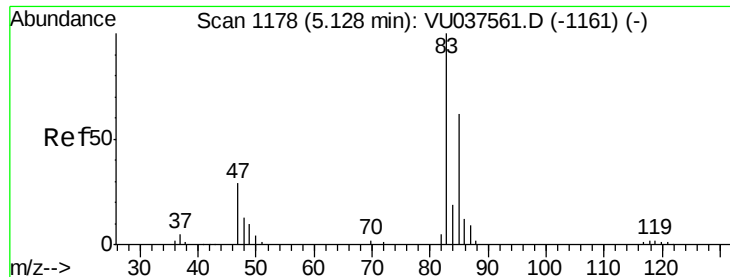
128 100

49 149.2 127.3 236.5

130 104.8 93.9 174.5

51 58.8 49.4 74.0

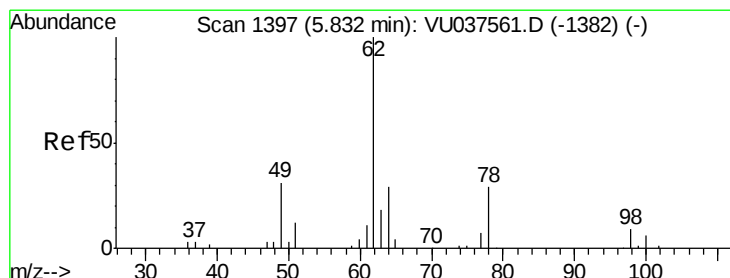
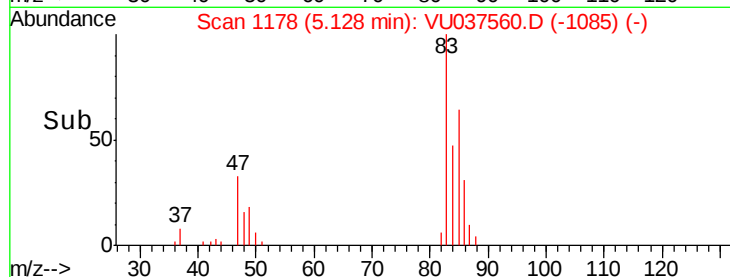
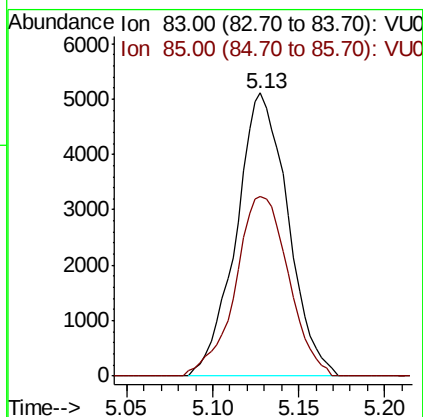
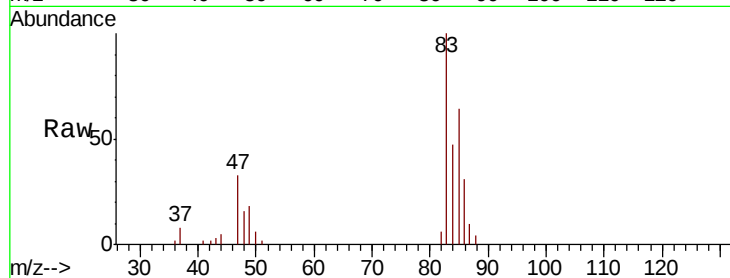




#25
Chloroform
Concen: 12.061 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

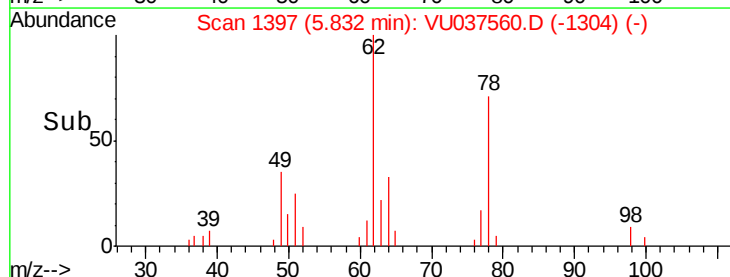
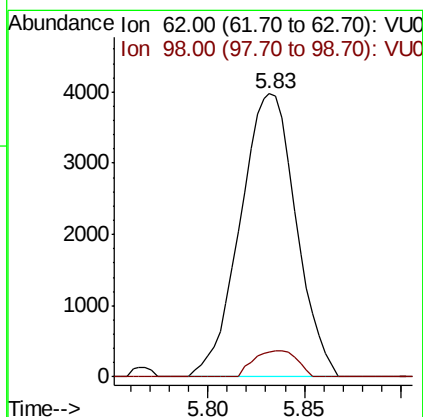
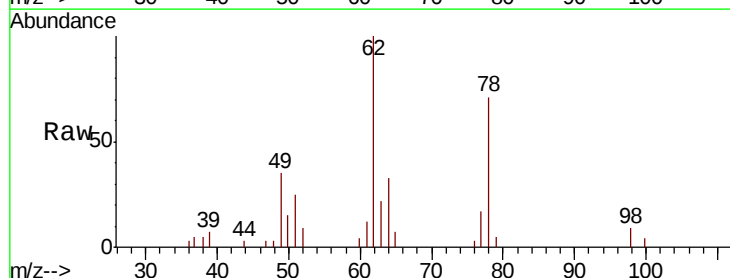
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

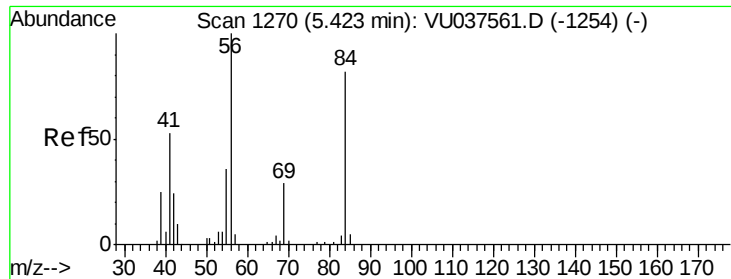
Tot Ion: 83 Resp: 10669
Ion Ratio Lower Upper
83 100
85 63.6 43.7 81.1



#27
1,2-Dichloroethane
Concen: 11.713 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

Tgt Ion: 62 Resp: 7996
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7

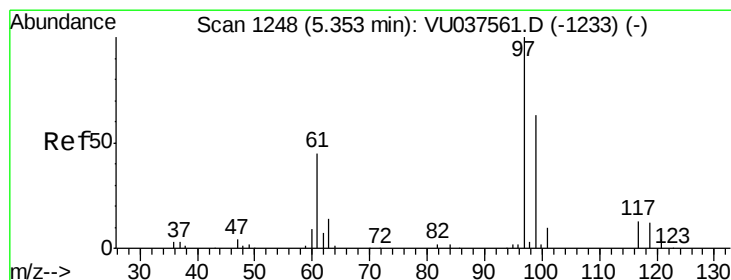
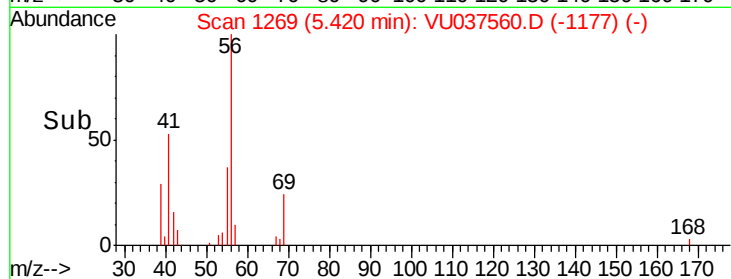
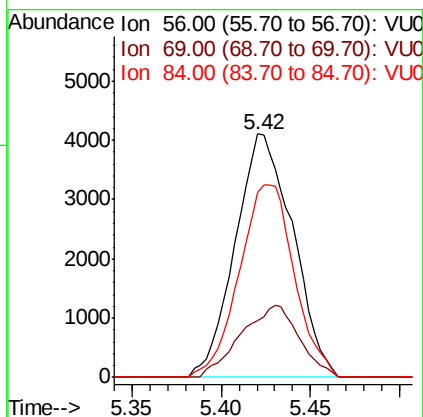
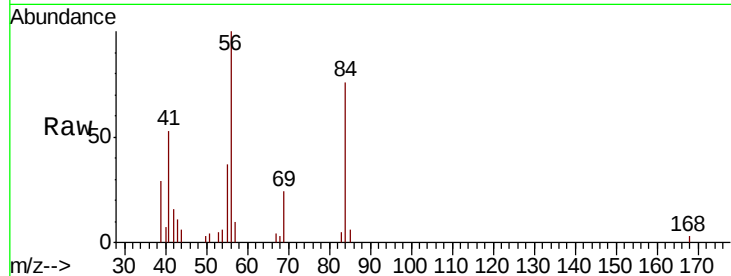




#29
Cyclohexane
Concen: 12.540 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

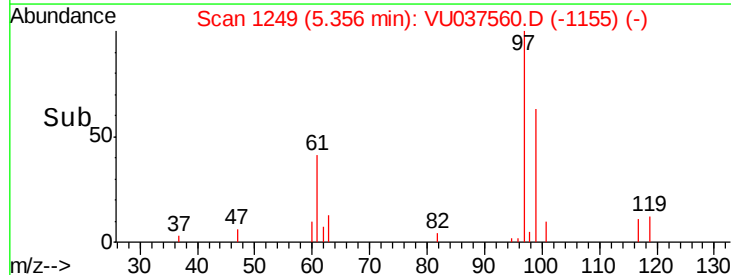
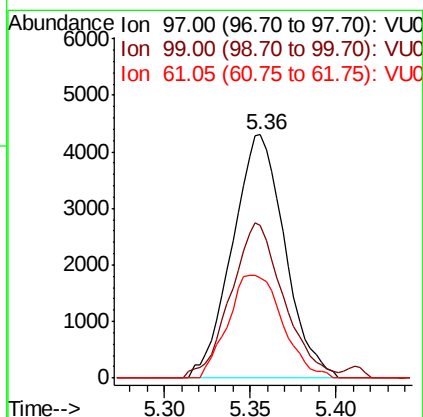
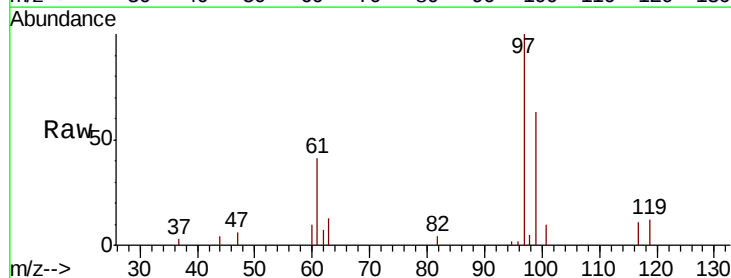
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

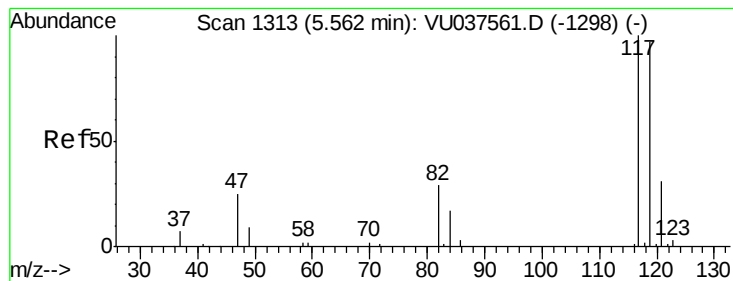
Tot Ion: 56 Resp: 9225
Ion Ratio Lower Upper
56 100
69 30.0 23.8 35.6
84 75.8 65.4 98.0



#30
1,1,1-Trichloroethane
Concen: 12.251 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

Tgt Ion: 97 Resp: 9116
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 43.7 35.8 53.8





#31

Carbon tetrachloride

Concen: 11.874 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

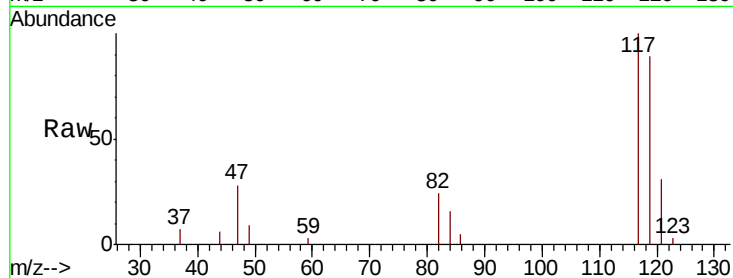
VSTD01031

Tot Ion:117 Resp: 7272

Ion Ratio Lower Upper

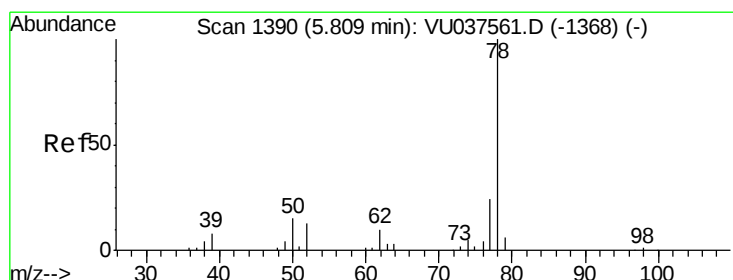
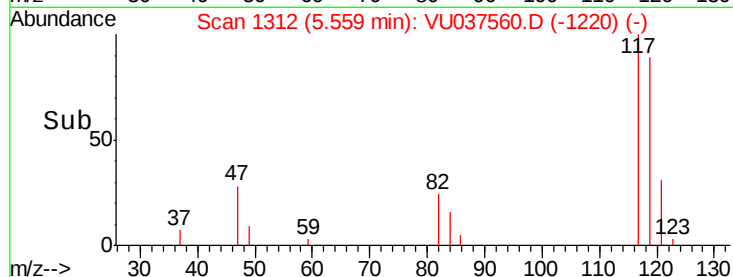
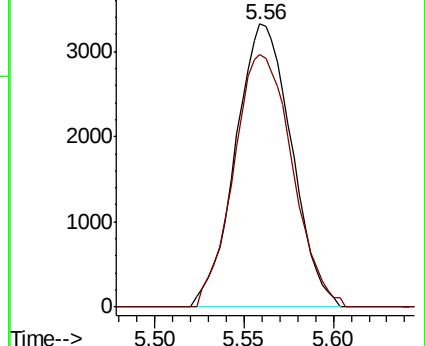
117 100

119 93.1 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 12.168 ug/L

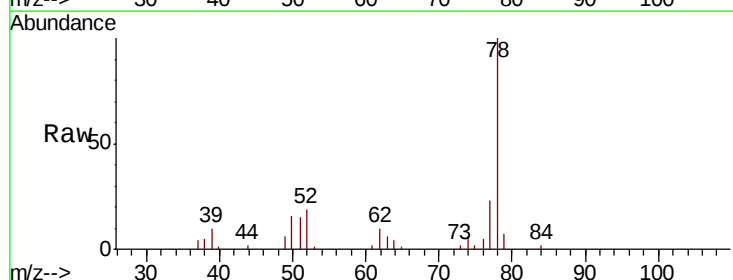
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

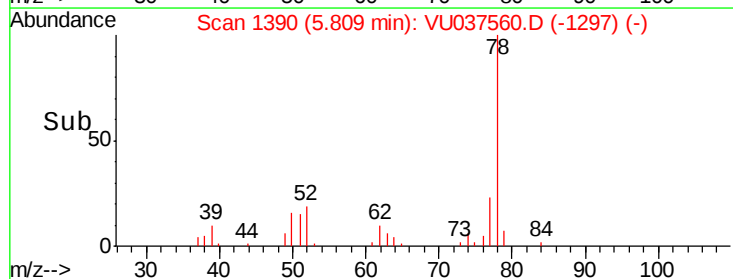
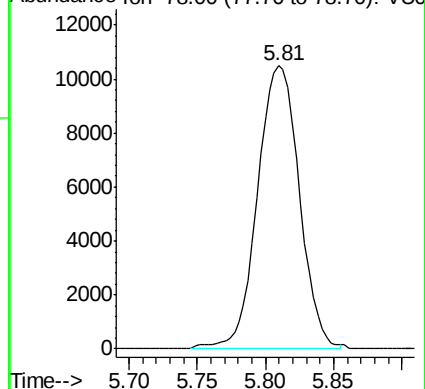
Lab File: VU037560.D

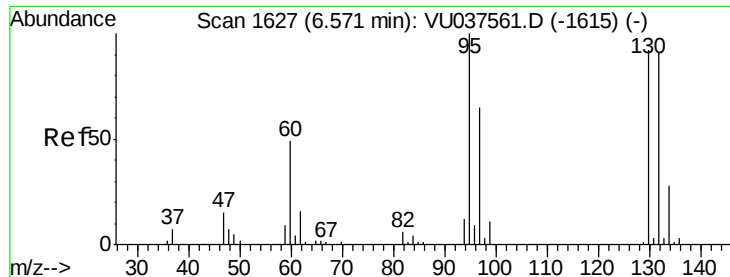
Acq: 03 Apr 2020 10:10

Tgt Ion: 78 Resp: 22381



Abundance Ion 78.00 (77.70 to 78.70): VU0

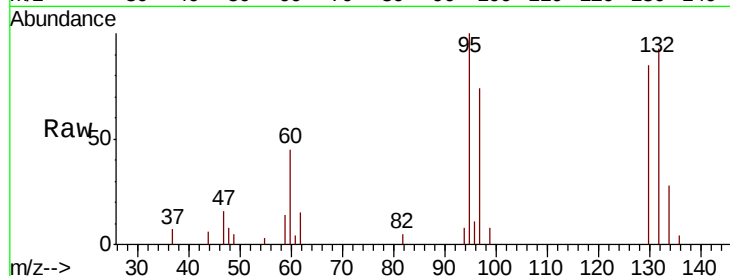




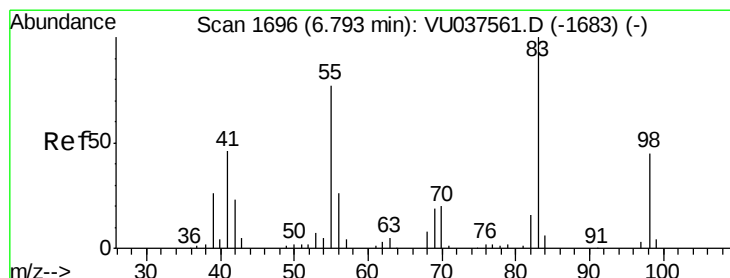
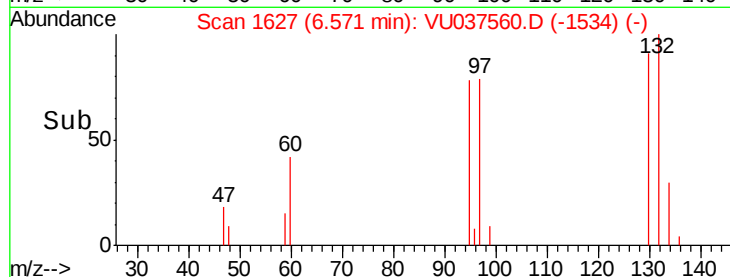
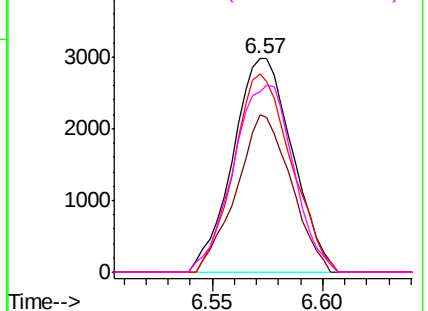
#34
 Trichloroethene
 Concen: 11.602 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tot Ion: 95 Resp: 5580
 Ion Ratio Lower Upper
 95 100
 97 73.5 45.2 84.0
 132 93.0 63.7 118.3
 130 84.8 64.5 119.7

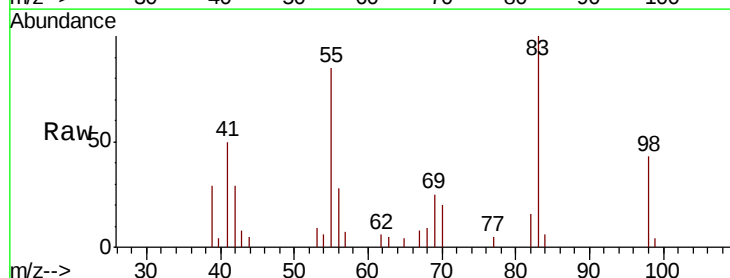


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

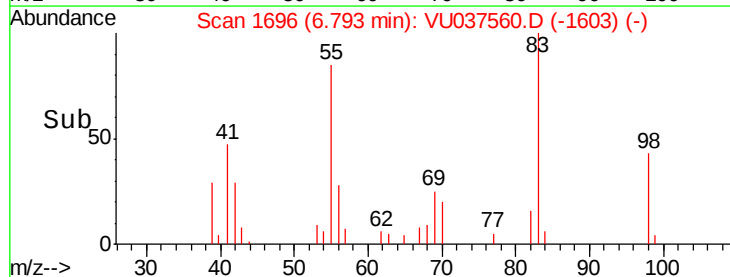
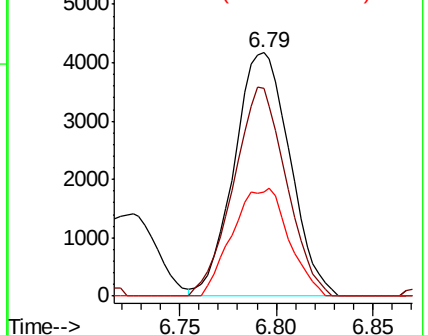


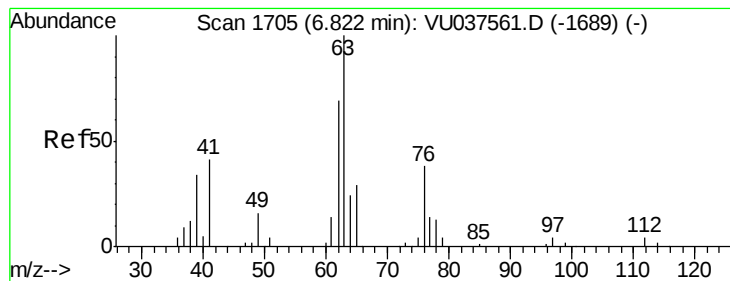
#35
 Methylcyclohexane
 Concen: 11.233 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion: 83 Resp: 8347
 Ion Ratio Lower Upper
 83 100
 55 81.4 61.1 91.7
 98 22.2 35.3 52.9#



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: 11.617 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

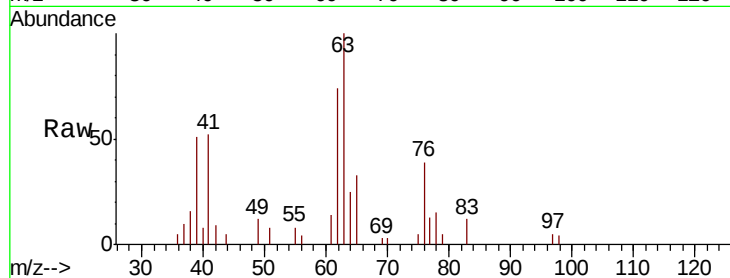
VSTD01031

Tot Ion: 63 Resp: 6088

Ion Ratio Lower Upper

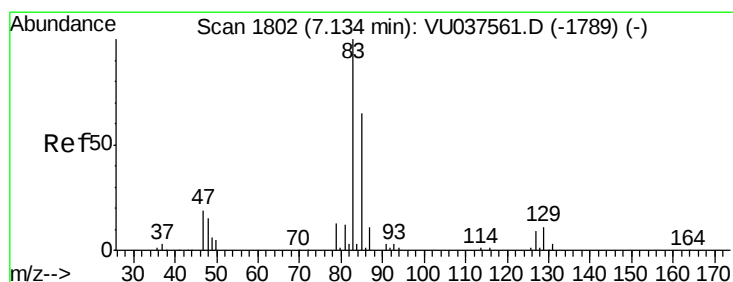
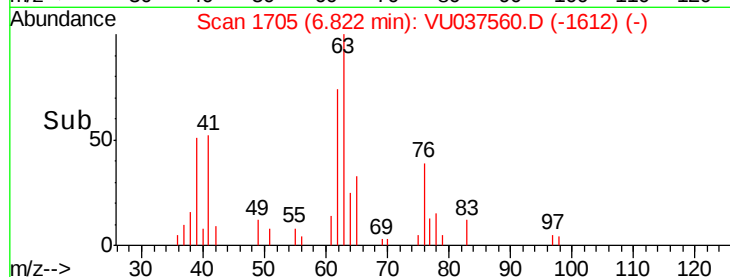
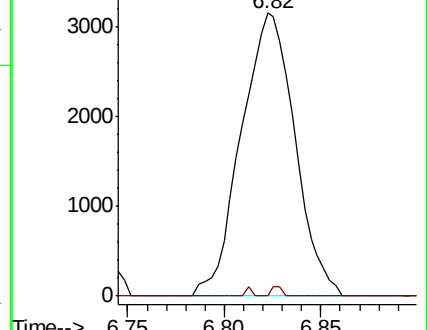
63 100

112 0.7 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU037560.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU037560.D (-1689) (-)



#38

Bromodichloromethane

Concen: 11.914 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

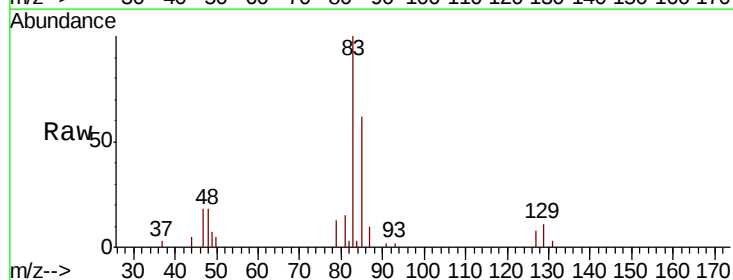
Tgt Ion: 83 Resp: 8121

Ion Ratio Lower Upper

83 100

85 61.6 45.2 84.0

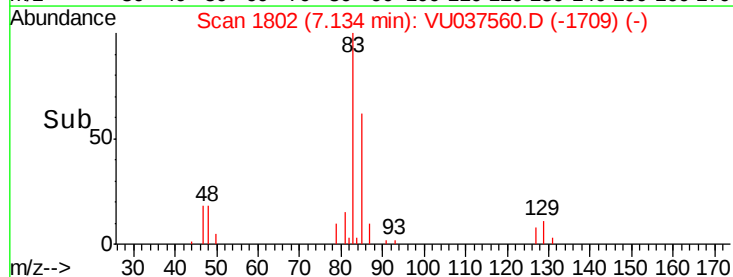
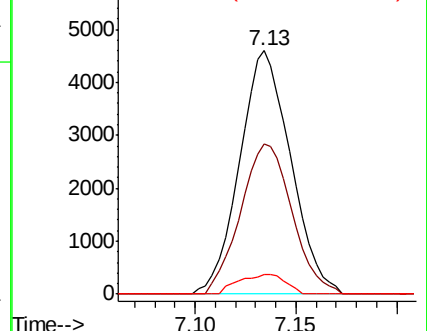
127 8.0 7.0 10.4

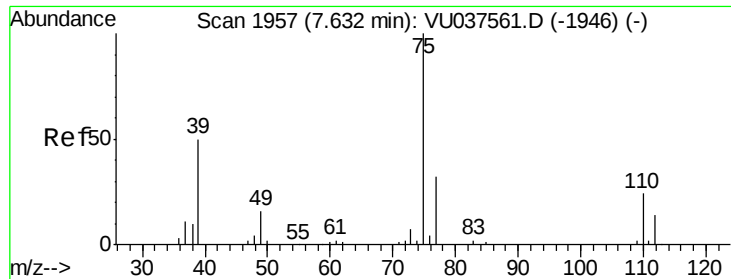


Abundance Ion 83.00 (82.70 to 83.70): VU037560.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU037560.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU037560.D (-1789) (-)

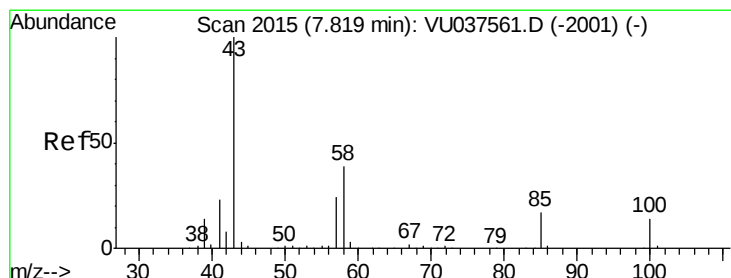
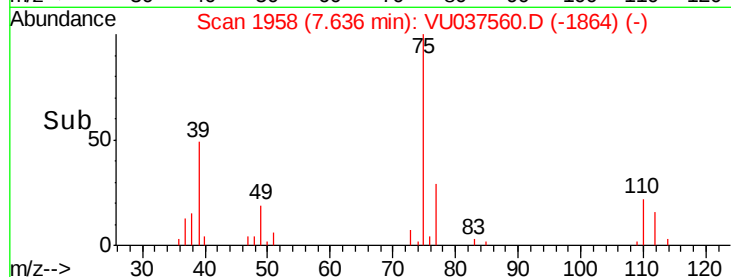
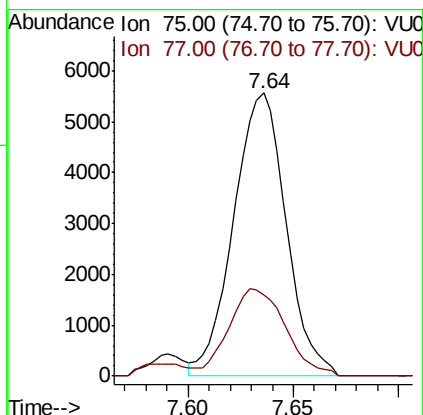
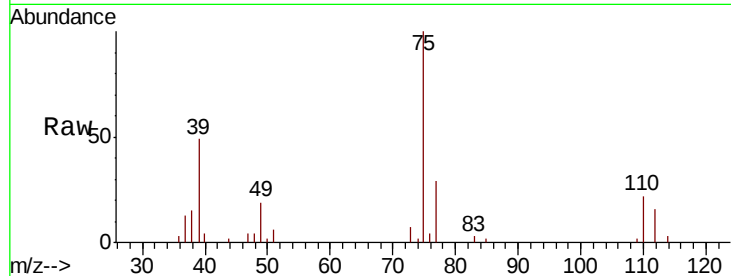




#39
 cis-1,3-Dichloropropene
 Concen: 11.766 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

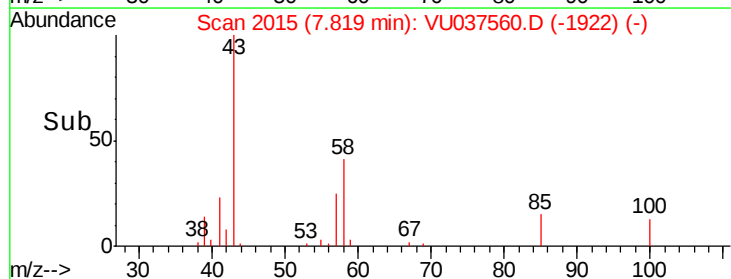
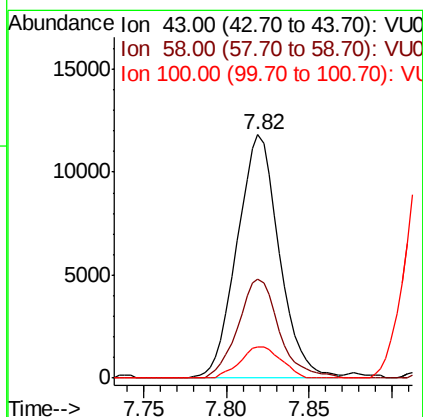
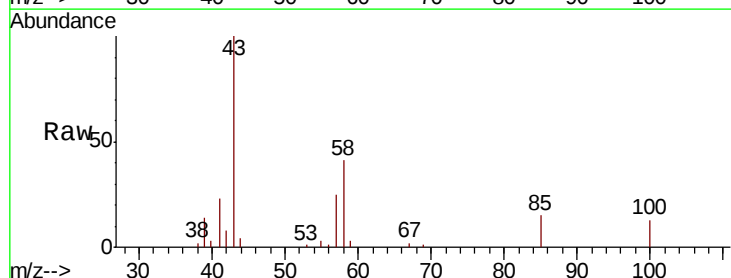
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

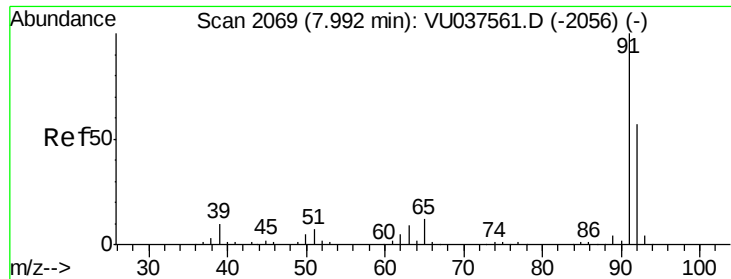
Tot Ion: 75 Resp: 9631
 Ion Ratio Lower Upper
 75 100
 77 28.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 24.601 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion: 43 Resp: 20921
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.4 47.0
 100 12.5 11.0 16.4





#42

Toluene

Concen: 11.900 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

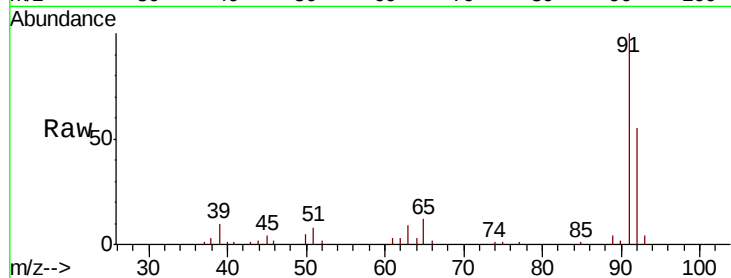
VSTD01031

Tot Ion: 91 Resp: 23686

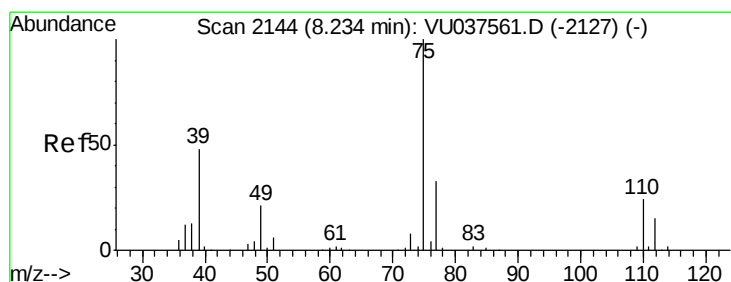
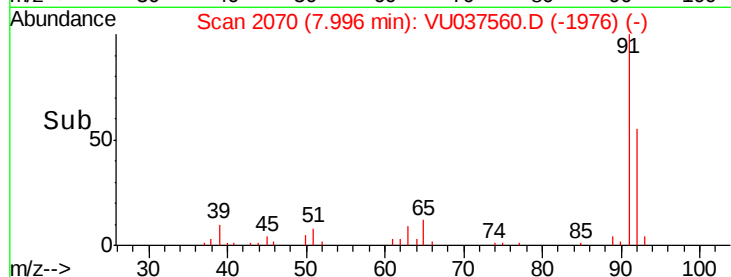
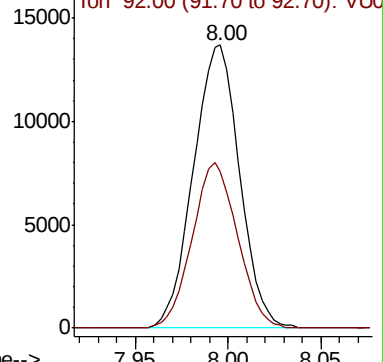
Ion Ratio Lower Upper

91 100

92 55.5 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU037560.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 12.115 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037560.D

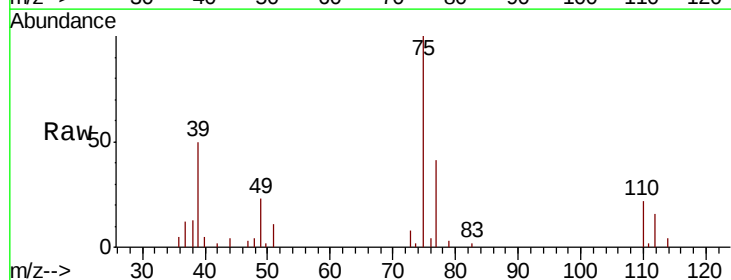
Acq: 03 Apr 2020 10:10

Tgt Ion: 75 Resp: 9766

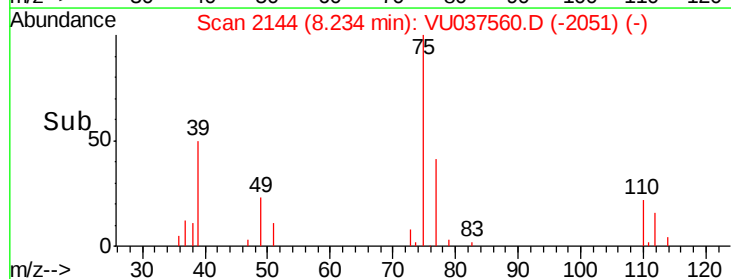
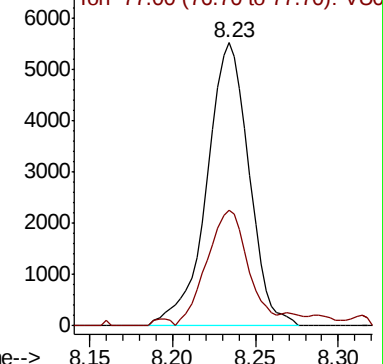
Ion Ratio Lower Upper

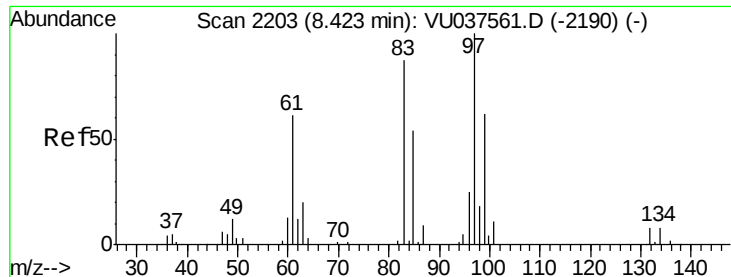
75 100

77 40.8 23.4 43.6



Abundance Ion 75.00 (74.70 to 75.70): VU037560.D (-2051) (-)

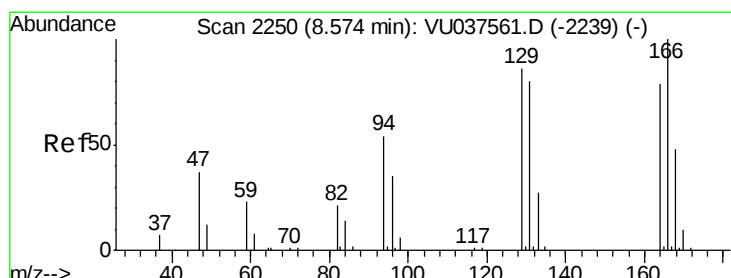
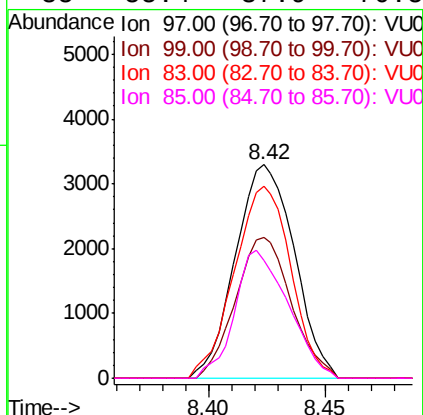
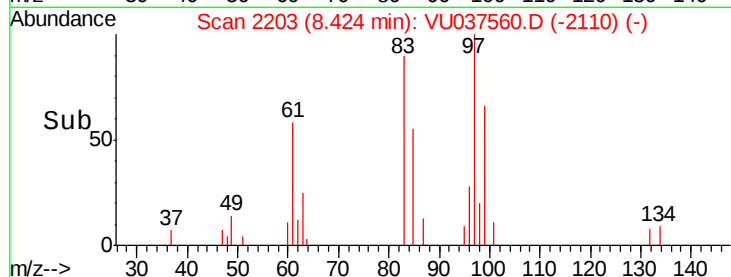
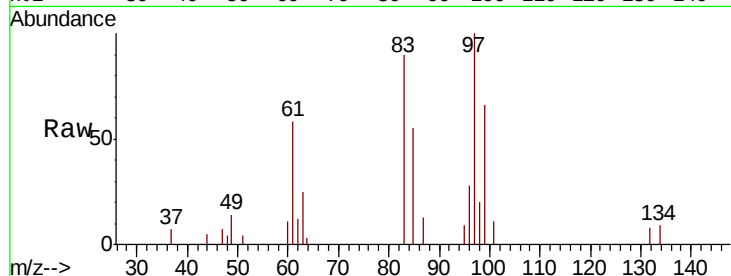




#45
 1,1,2-Trichloroethane
 Concen: 12.168 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

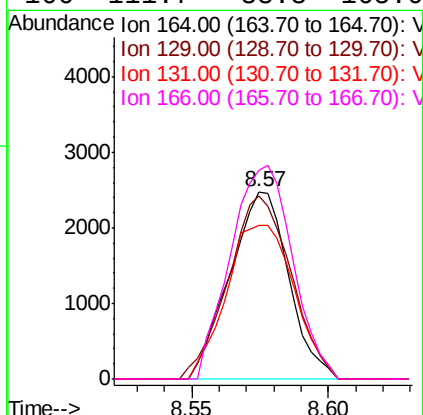
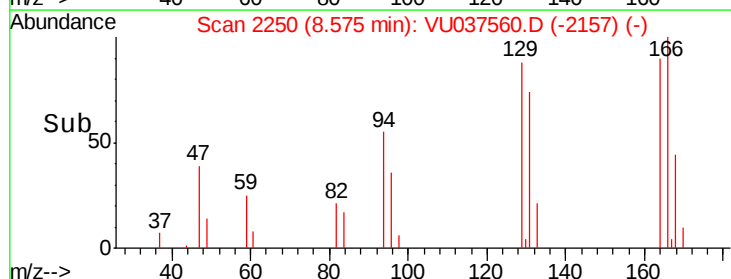
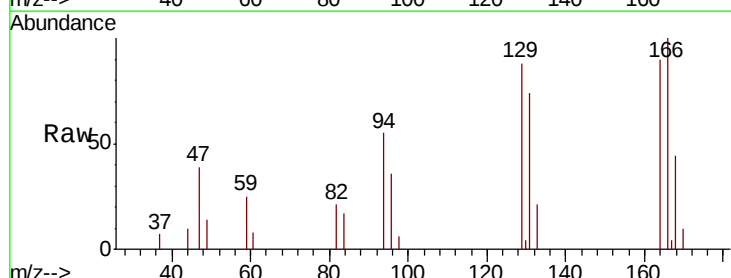
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

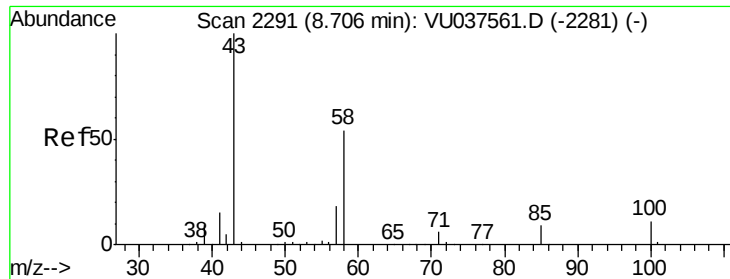
Tot Ion:	97	Resp:	5822
Ion	Ratio	Lower	Upper
97	100		
99	66.2	43.3	80.5
83	89.6	60.8	112.8
85	55.4	37.9	70.5



#46
 Tetrachloroethene
 Concen: 11.442 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion:	164	Resp:	3695
Ion	Ratio	Lower	Upper
164	100		
129	98.1	76.5	142.1
131	82.2	71.7	133.1
166	111.7	88.8	165.0

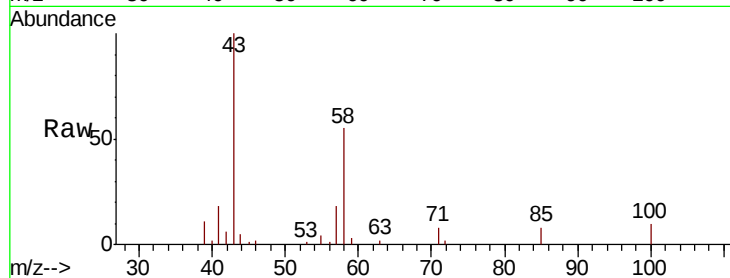




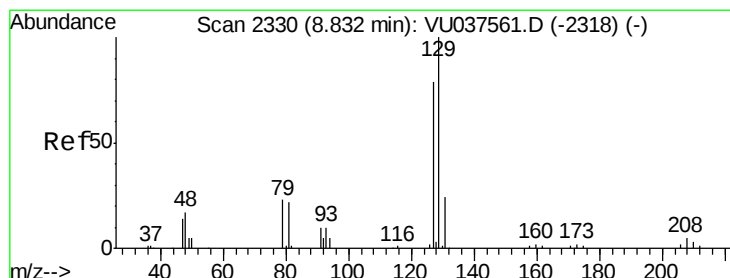
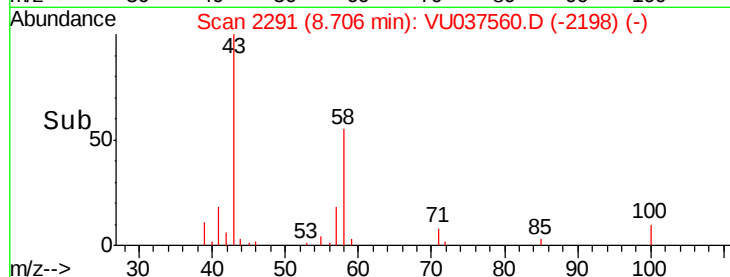
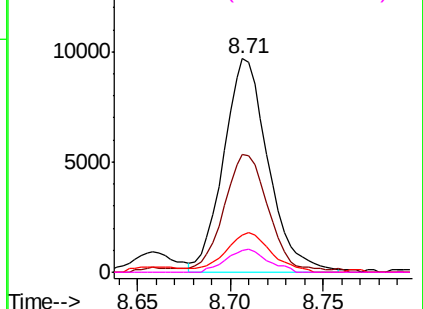
#48
2-Hexanone
Concen: 24.531 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Tot Ion: 43 Resp: 16223
Ion Ratio Lower Upper
43 100
58 55.2 44.4 66.6
57 19.0 15.1 22.7
100 10.0 8.7 13.1

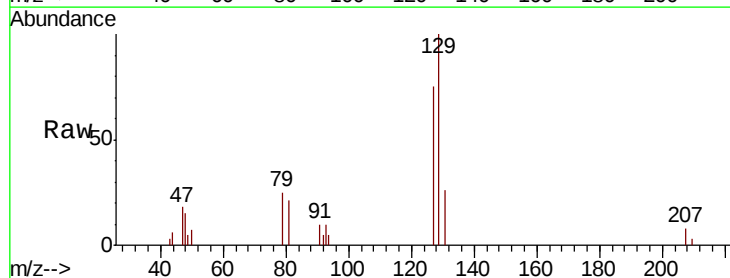


Abundance Ion 43.00 (42.70 to 43.70): VU037560.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VU037560.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VU037560.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VU037560.D (-2198) (-)

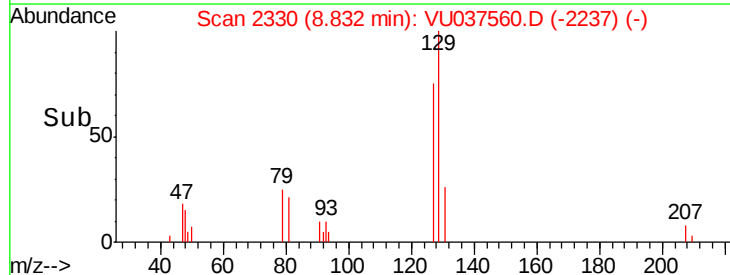
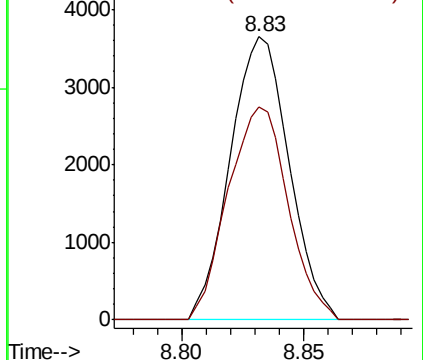


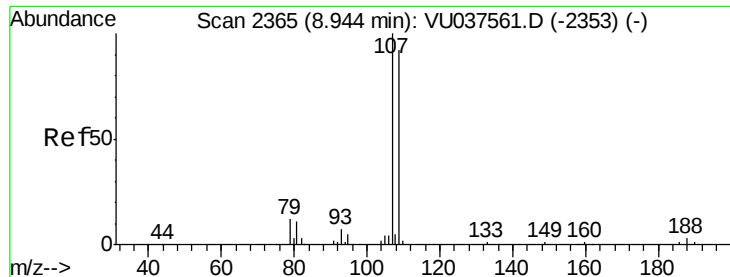
#49
Dibromochloromethane
Concen: 11.451 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037560.D
Acq: 03 Apr 2020 10:10

Tgt Ion: 129 Resp: 6111
Ion Ratio Lower Upper
129 100
127 75.4 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): VU037560.D (-2237) (-)
Ion 127.00 (126.70 to 127.70): VU037560.D (-2237) (-)

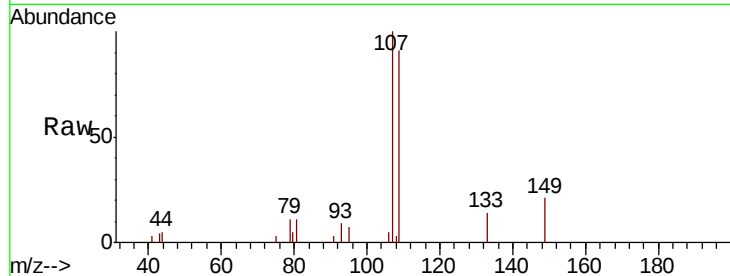




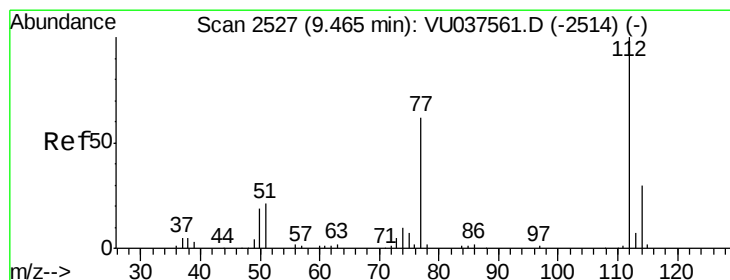
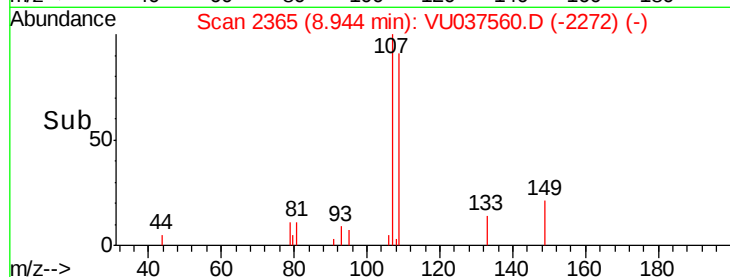
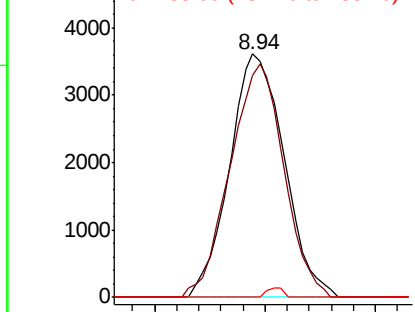
#50
 1,2-Dibromoethane
 Concen: 11.794 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tot Ion:107 Resp: 6206
 Ion Ratio Lower Upper
 107 100
 109 91.2 64.1 119.1
 188 0.0 2.3 3.5#

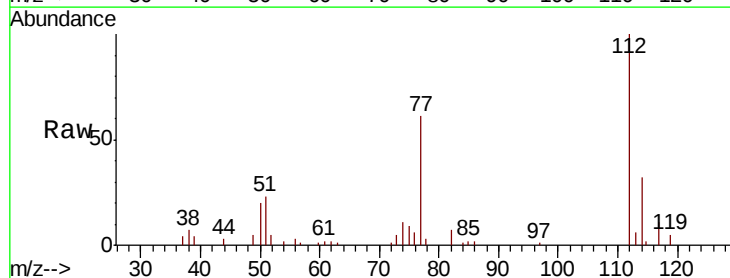


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

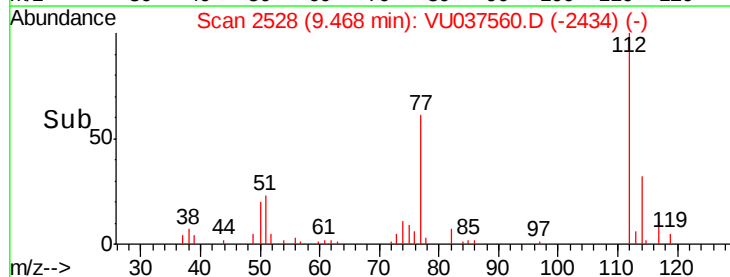
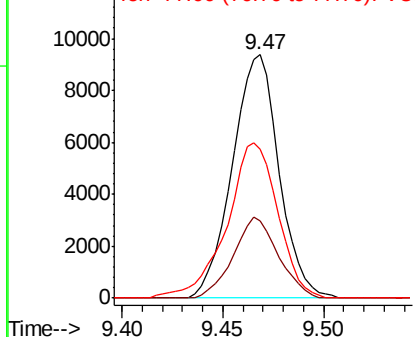


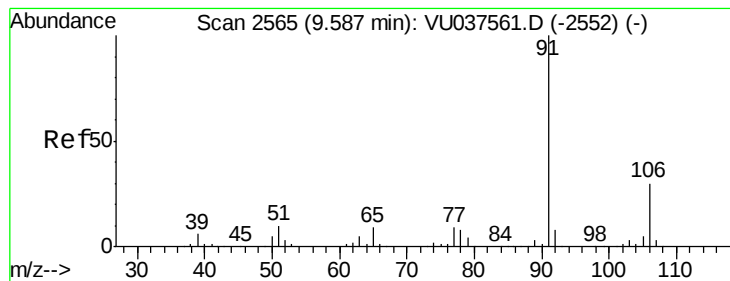
#51
 Chlorobenzene
 Concen: 12.318 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion:112 Resp: 15207
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.0 39.0
 77 61.4 50.2 75.4



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





#52

Ethylbenzene

Concen: 11.821 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

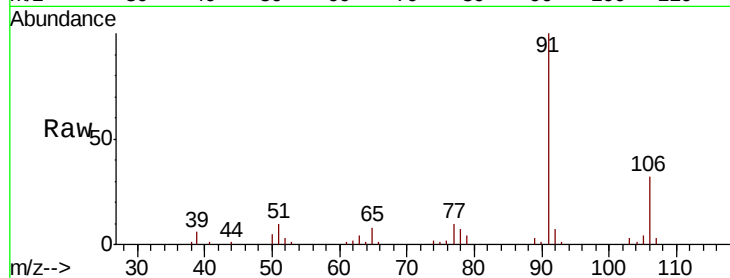
VSTD01031

Tot Ion: 91 Resp: 26608

Ion Ratio Lower Upper

91 100

106 31.8 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VU037561.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU037561.D (-2552) (-)

9.59

15000

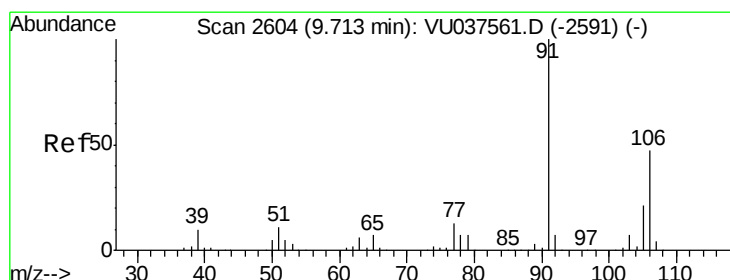
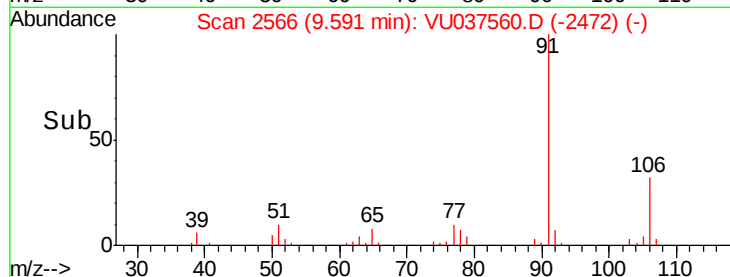
10000

5000

0

Time-->

9.55 9.60 9.65



#53

m,p-Xylene

Concen: 12.181 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037560.D

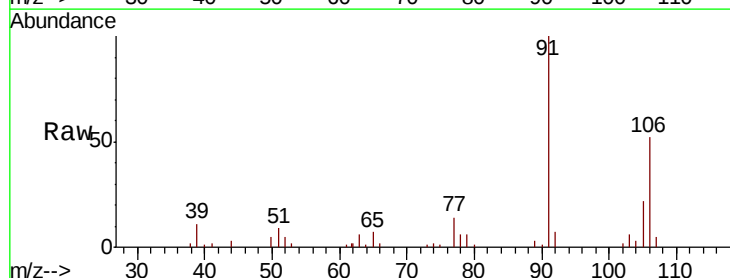
Acq: 03 Apr 2020 10:10

Tgt Ion: 106 Resp: 10227

Ion Ratio Lower Upper

106 100

91 193.2 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): VU037561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU037561.D (-2591) (-)

9.71

15000

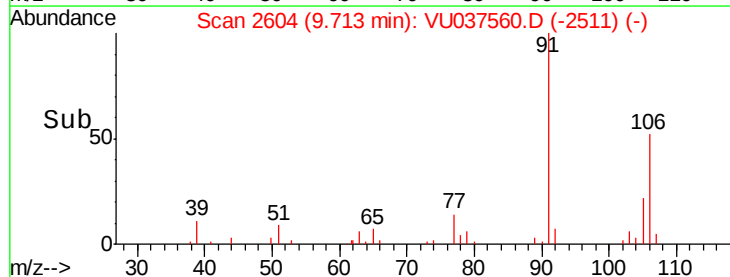
10000

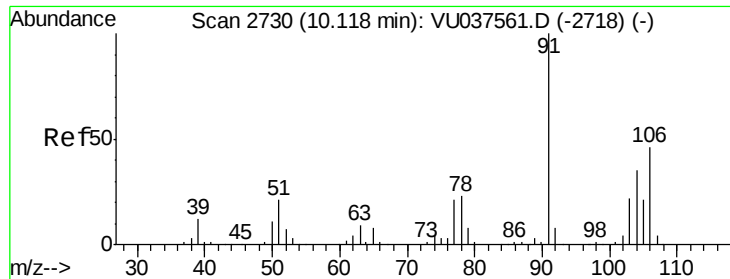
5000

0

Time-->

9.65 9.70 9.75





#54

o-xylene

Concen: 11.829 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

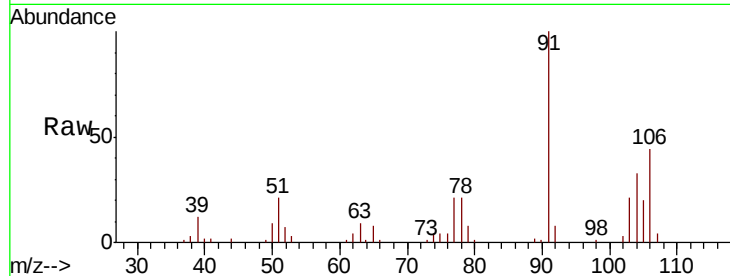
VSTD01031

Tot Ion:106 Resp: 9572

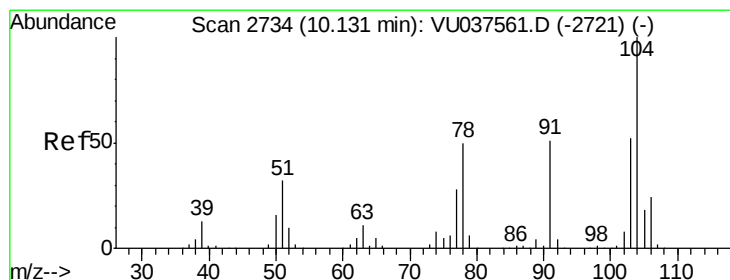
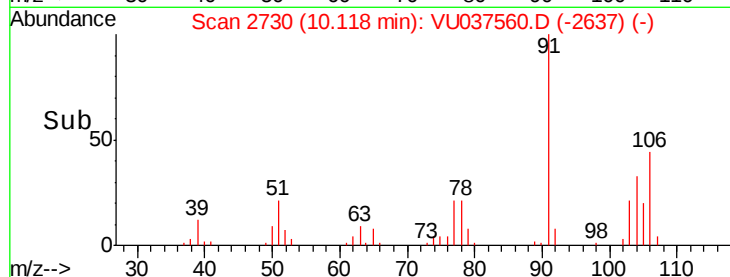
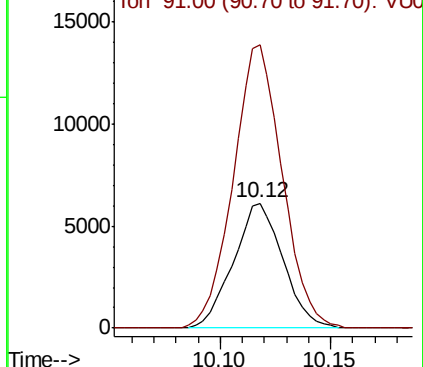
Ion Ratio Lower Upper

106 100

91 226.5 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 12.142 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037560.D

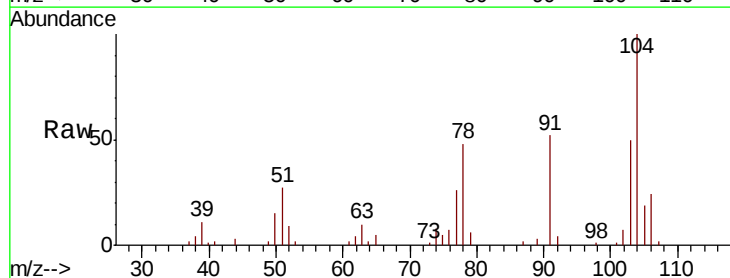
Acq: 03 Apr 2020 10:10

Tgt Ion:104 Resp: 17398

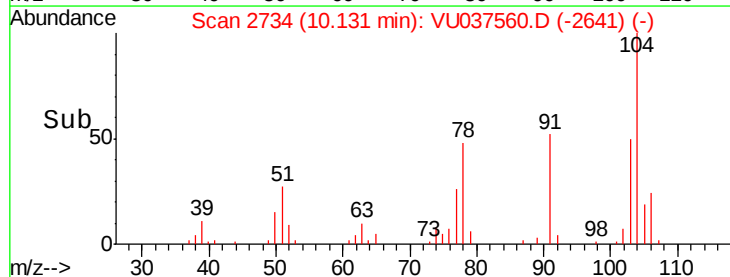
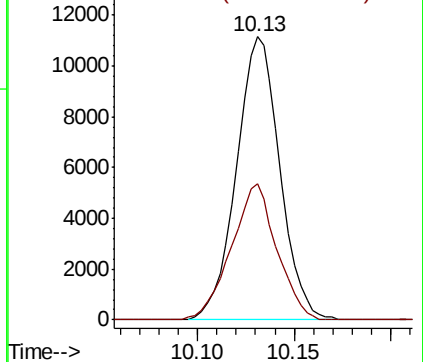
Ion Ratio Lower Upper

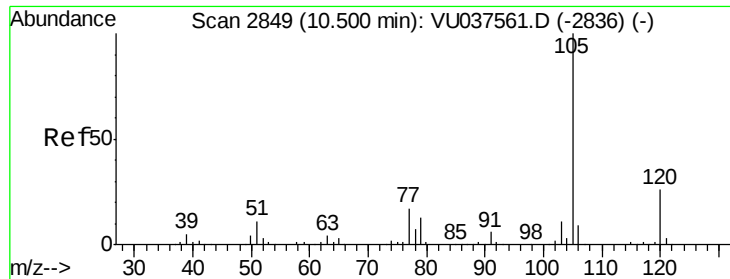
104 100

78 48.0 34.9 64.9



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 11.439 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

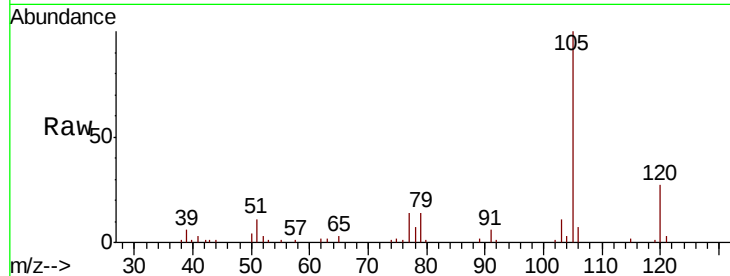
Tot Ion:105 Resp: 25098

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

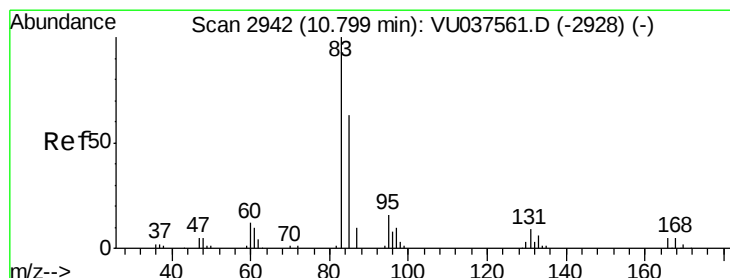
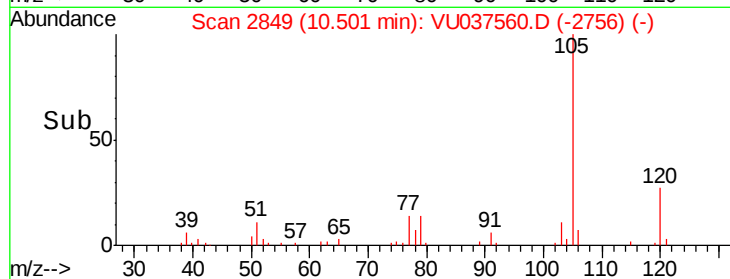
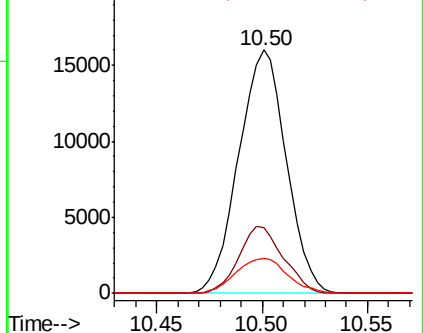
77 15.6 13.4 20.0



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: 12.030 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

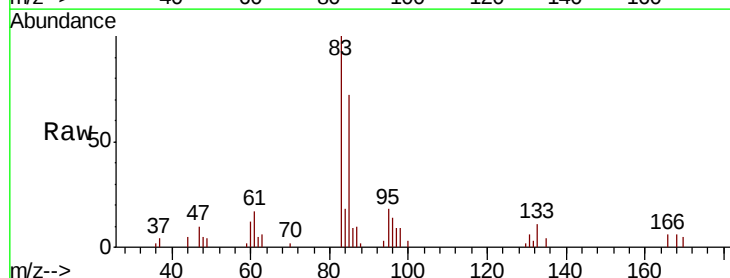
Tgt Ion: 83 Resp: 10377

Ion Ratio Lower Upper

83 100

85 71.6 44.2 82.2

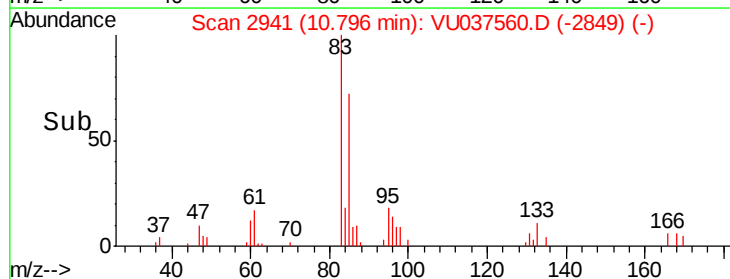
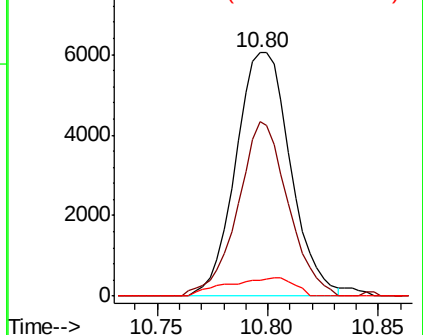
131 6.5 7.2 10.8#

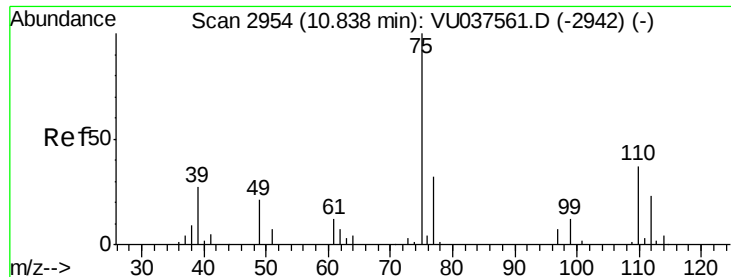


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

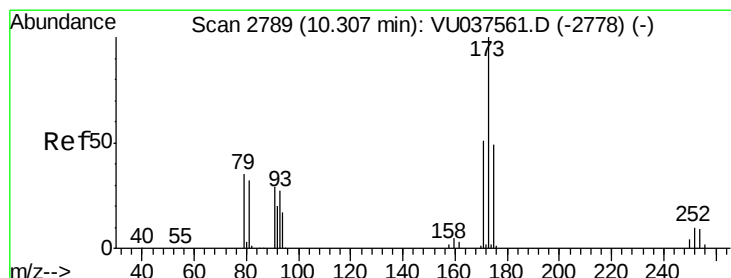
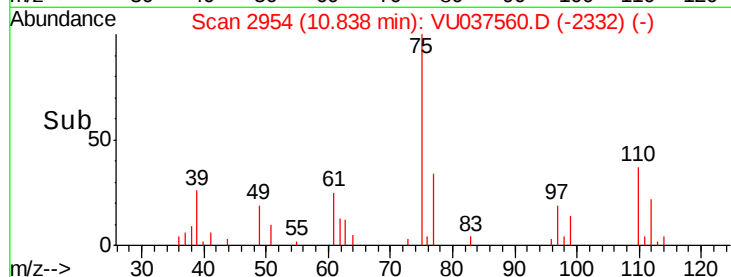
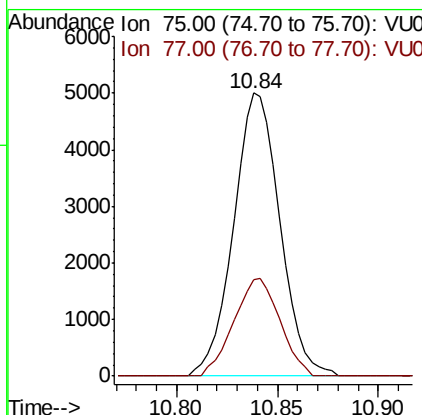
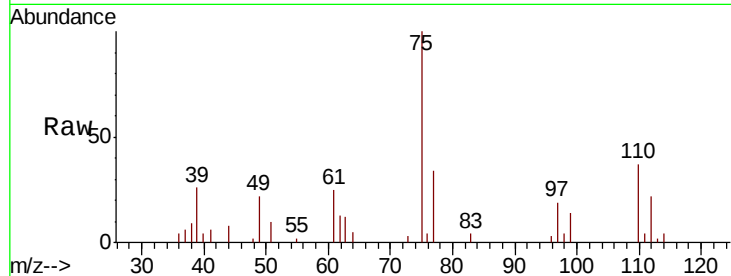




#59
 1,2,3-Trichloropropane
 Concen: 11.971 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

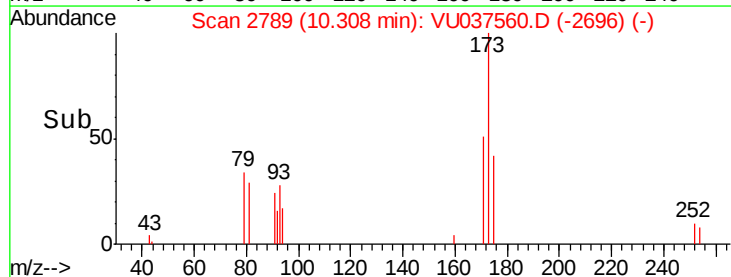
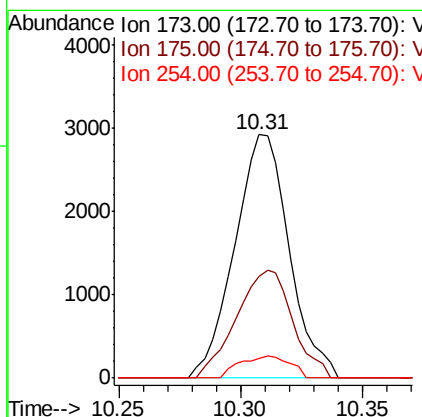
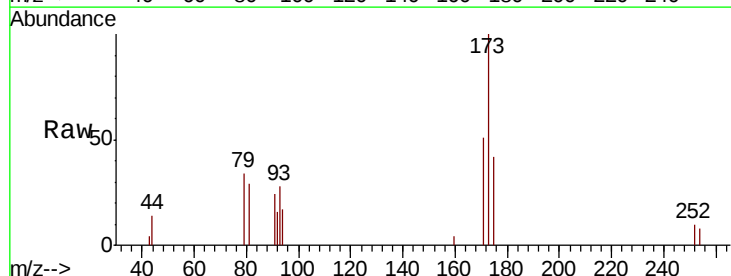
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

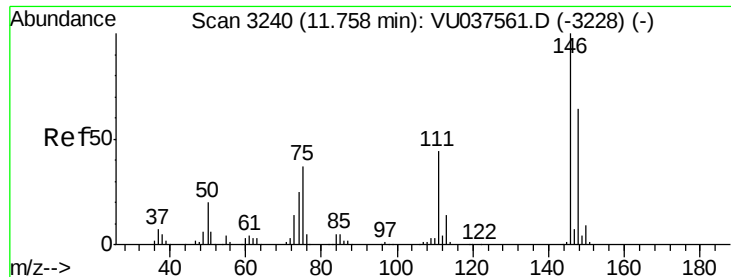
Tot Ion: 75 Resp: 8065
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.5 38.3



#61
 Bromoform
 Concen: 11.531 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion: 173 Resp: 4531
 Ion Ratio Lower Upper
 173 100
 175 45.6 38.6 58.0
 254 8.4 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 11.187 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

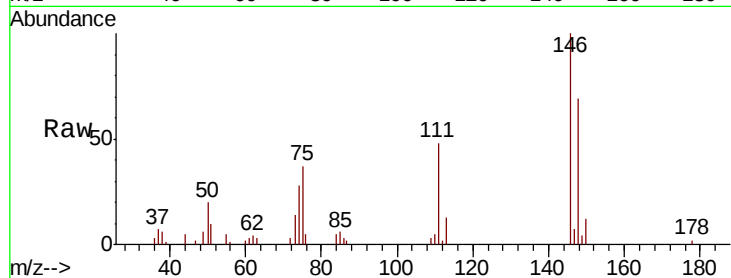
Tot Ion:146 Resp: 11103

Ion Ratio Lower Upper

146 100

111 48.3 31.1 57.7

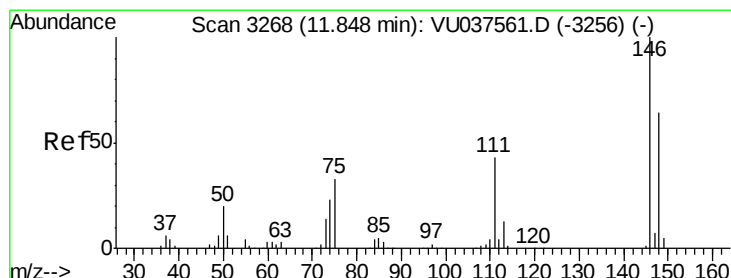
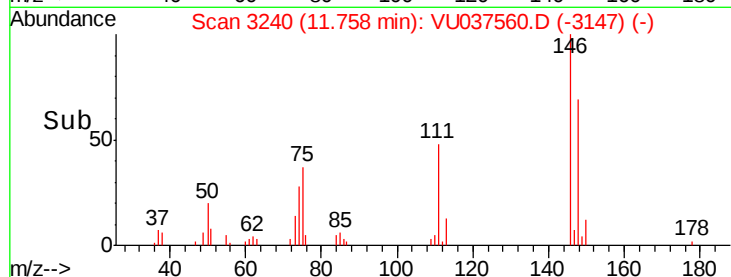
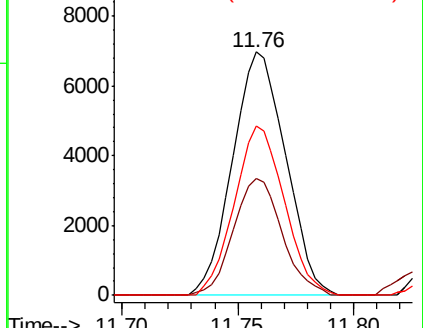
148 69.4 44.4 82.5



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: 11.402 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

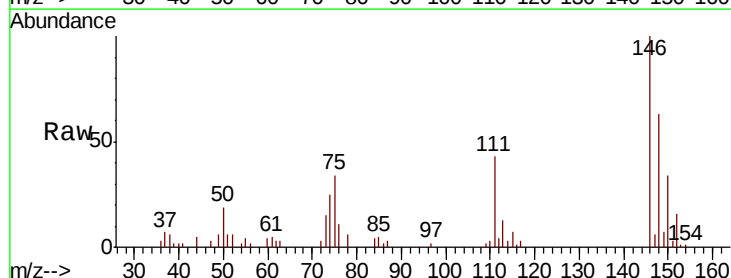
Tgt Ion:146 Resp: 11422

Ion Ratio Lower Upper

146 100

111 43.2 30.1 55.9

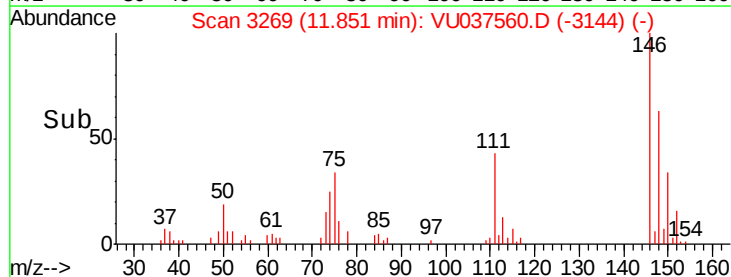
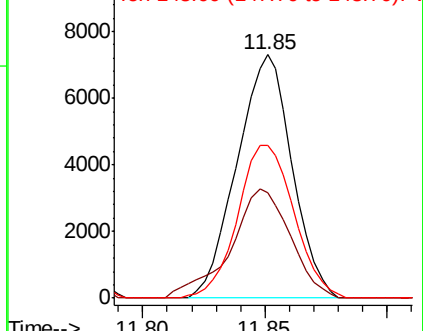
148 62.7 44.7 82.9

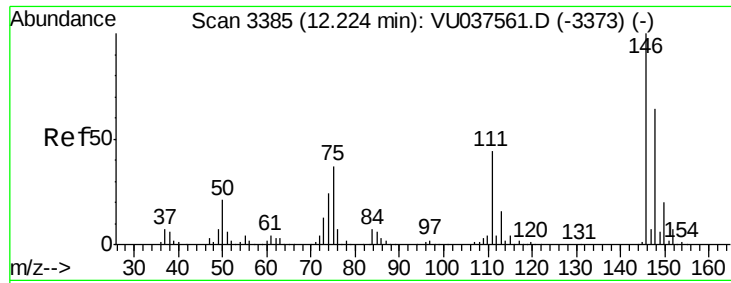


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 11.430 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

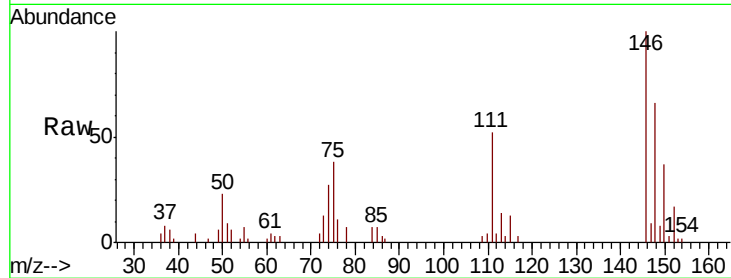
Tot Ion:146 Resp: 11233

Ion Ratio Lower Upper

146 100

111 51.6 35.6 53.4

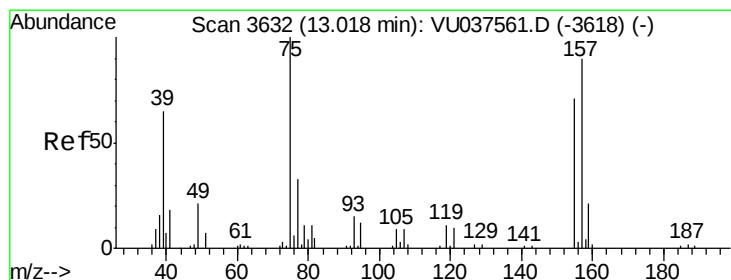
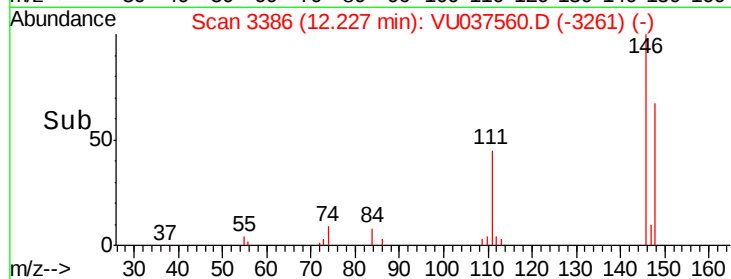
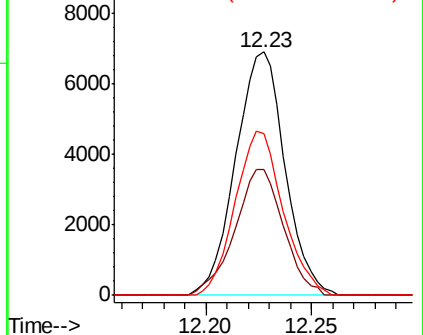
148 66.4 51.0 76.6



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: 10.923 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

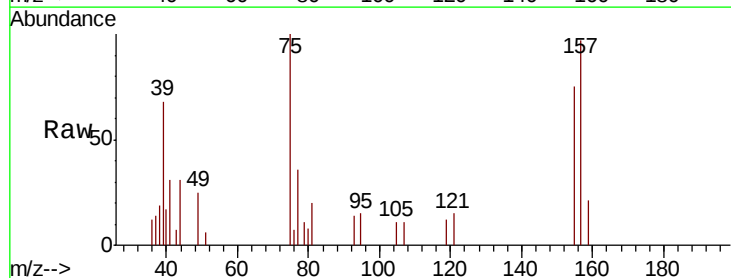
Tgt Ion: 75 Resp: 2575

Ion Ratio Lower Upper

75 100

155 74.9 56.6 85.0

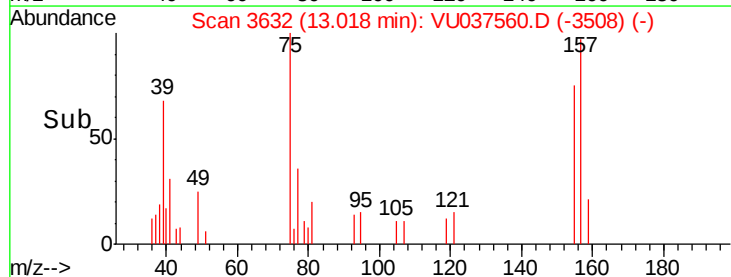
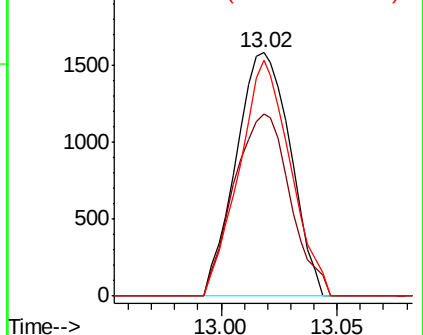
157 97.0 72.4 108.6

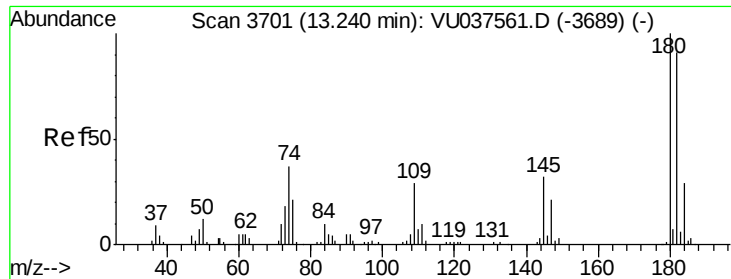


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

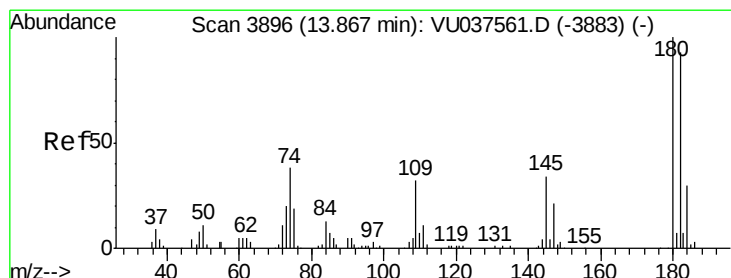
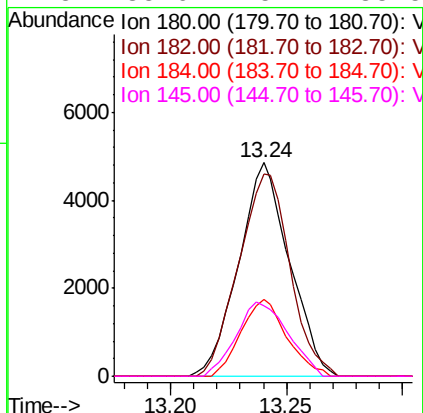
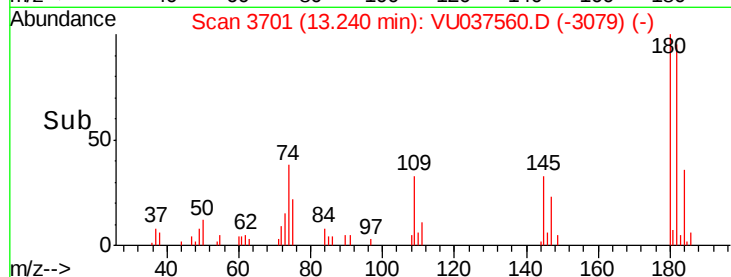
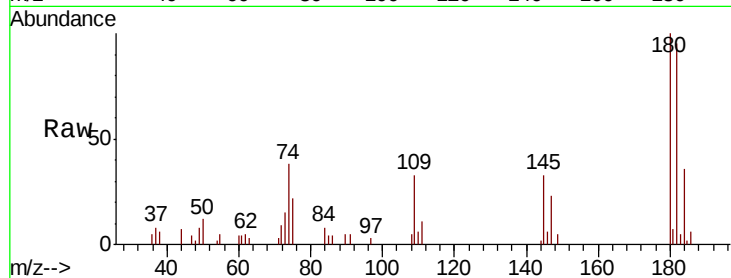




#67
 1,3,5-Trichlorobenzene
 Concen: 10.676 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

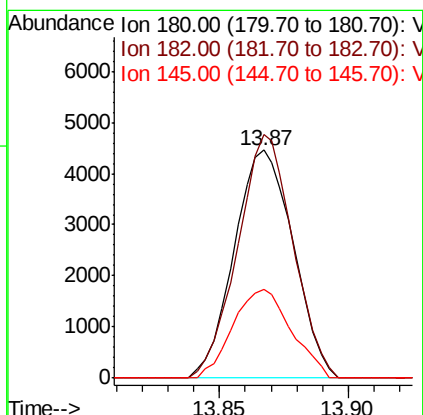
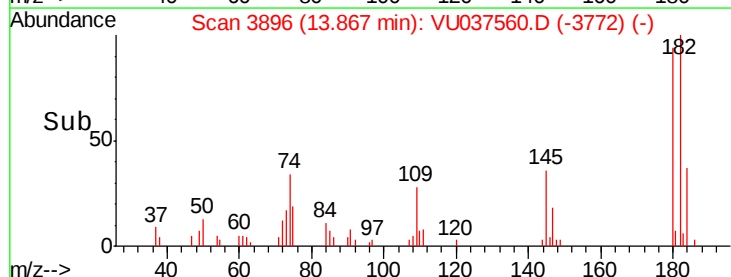
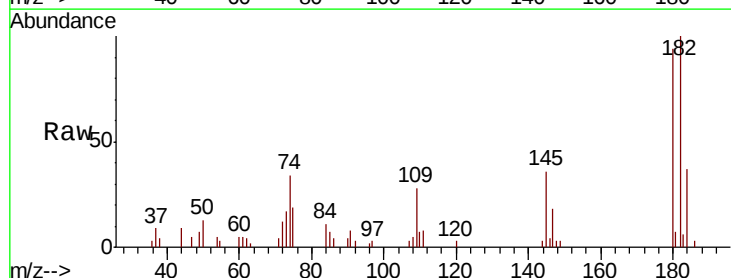
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

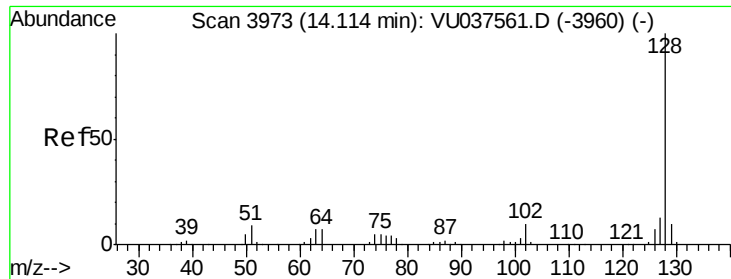
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.9	112.3
184	32.5	23.6	35.4
145	35.6	25.7	38.5



#68
 1,2,4-trichlorobenzene
 Concen: 10.846 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037560.D
 Acq: 03 Apr 2020 10:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	74.4	111.6
145	38.3	26.9	40.3





#69

Naphthalene

Concen: 12.293 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampled :

VSTD01031

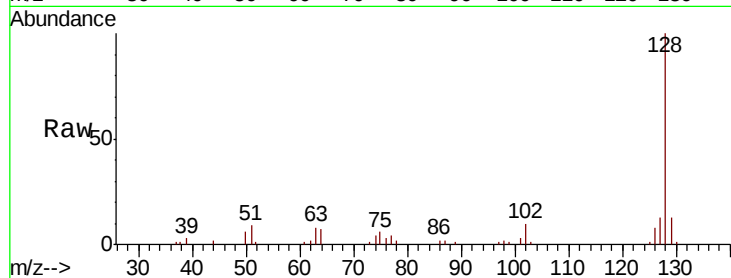
Tot Ion:128 Resp: 34205

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

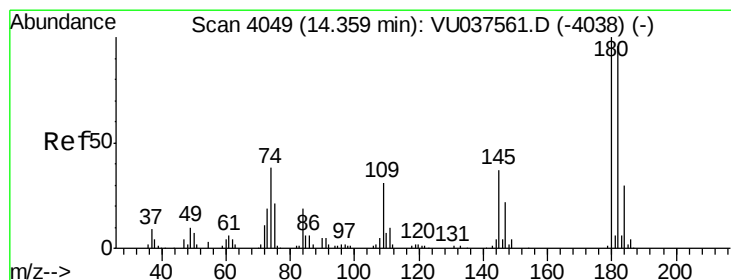
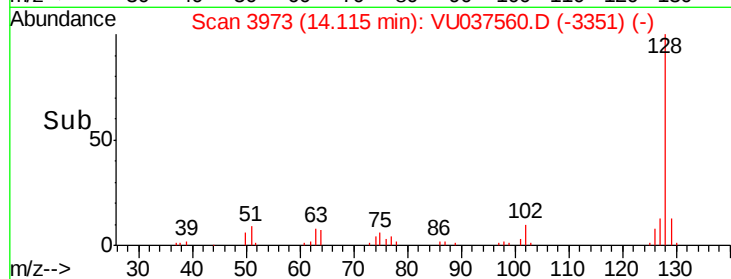
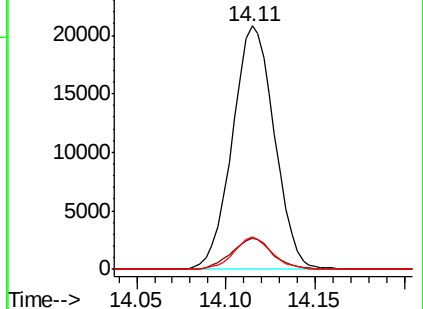
129 11.8 8.5 12.7



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: 11.557 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037560.D

Acq: 03 Apr 2020 10:10

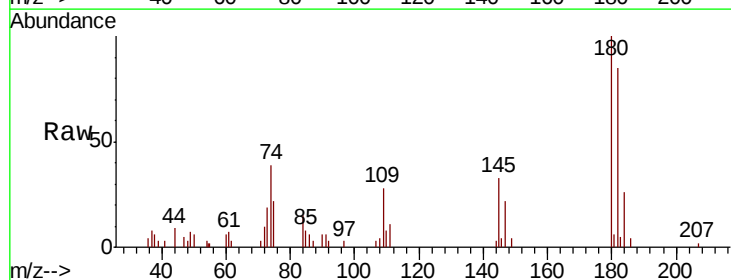
Tgt Ion:180 Resp: 7668

Ion Ratio Lower Upper

180 100

182 84.0 76.0 114.0

145 33.6 29.0 43.6



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

