

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040523.D
 Acq On : 06 Oct 2020 13:13
 Operator : SY/MD
 Sample : VSTD01033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

Quant Time: Oct 07 07:37:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	272302	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	272446	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	137319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24154	10.46	ug/L	0.00
7) Chloroethane-d5	1.92	69	19027	10.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	45784	10.31	ug/L	0.00
21) 2-Butanone-d5	4.64	46	37250	19.57	ug/L	0.00
24) Chloroform-d	5.08	84	43041	10.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	30123	10.48	ug/L	0.00
32) Benzene-d6	5.74	84	80454	10.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	27015	10.27	ug/L	0.00
41) Toluene-d8	7.91	98	72192	10.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	12549	9.41	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	20543	17.53	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	38169	10.29	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	27705	10.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	27295	13.245	ug/L 98
3) Chloromethane	1.53	50	29775	12.379	ug/L 95
5) Vinyl chloride	1.61	62	28534	11.873	ug/L 96
6) Bromomethane	1.86	94	14455	11.381	ug/L 97
8) Chloroethane	1.94	64	16485	10.766	ug/L 100
9) Trichlorofluoromethane	2.15	101	36092	10.997	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	21848	10.572	ug/L 98
12) 1,1-Dichloroethene	2.59	96	19210	9.985	ug/L 94
13) Acetone	2.63	43	39346	19.991	ug/L 100
14) Carbon disulfide	2.81	76	65677	10.594	ug/L 98
15) Methyl Acetate	2.96	43	29573	9.840	ug/L 99
16) Methylene chloride	3.06	84	24588	10.834	ug/L 96
17) trans-1,2-Dichloroethene	3.37	96	20707	10.409	ug/L 92
18) Methyl tert-butyl Ether	3.38	73	62151	9.564	ug/L 98
19) 1,1-Dichloroethane	3.89	63	42865	10.342	ug/L 97
20) cis-1,2-Dichloroethene	4.69	96	22427	10.296	ug/L 99
22) 2-Butanone	4.72	43	45753	19.453	ug/L 96
23) Bromochloromethane	4.99	128	12099	10.616	ug/L 98
25) Chloroform	5.11	83	44612	10.649	ug/L 99
27) 1,2-Dichloroethane	5.81	62	36688	10.326	ug/L 99
29) Cyclohexane	5.40	56	33996	9.173	ug/L 98
30) 1,1,1-Trichloroethane	5.33	97	35674	10.152	ug/L 99
31) Carbon tetrachloride	5.54	117	30143	9.867	ug/L 95
33) Benzene	5.79	78	89800	10.124	ug/L 100
34) Trichloroethene	6.56	95	23174	10.198	ug/L 98
35) Methylcyclohexane	6.77	83	32539	9.361	ug/L 98
37) 1,2-Dichloropropane	6.80	63	25486	10.233	ug/L 97
38) Bromodichloromethane	7.12	83	32725	10.349	ug/L 97
39) cis-1,3-Dichloropropene	7.62	75	32946	9.193	ug/L 96
40) 4-Methyl-2-pentanone	7.80	43	71062	17.859	ug/L 97

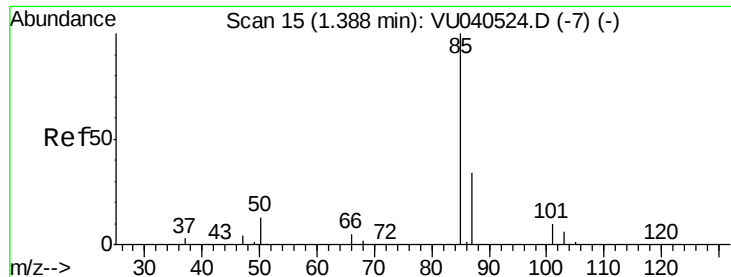
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
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 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	91412	10.184	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	34517	9.496	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	22699	10.423	ug/L	97
46) Tetrachloroethene	8.56	164	17207	10.766	ug/L	99
48) 2-Hexanone	8.69	43	56636	17.767	ug/L	99
49) Dibromochloromethane	8.82	129	23414	9.860	ug/L	98
50) 1,2-Dibromoethane	8.93	107	23551	10.145	ug/L	96
51) Chlorobenzene	9.45	112	59610	10.027	ug/L	98
52) Ethylbenzene	9.57	91	94279	9.441	ug/L	99
53) m,p-Xylene	9.70	106	34201	9.417	ug/L	95
54) o-xylene	10.10	106	33091	9.322	ug/L	95
55) Styrene	10.11	104	56937	9.338	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	39443	10.321	ug/L	100
59) Bromoform	10.29	173	16658	10.030	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	31635	9.901	ug/L	99
61) Isopropylbenzene	10.48	105	85736	9.147	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	63495	8.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	64518	8.321	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	43395	9.710	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	47355	10.207	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	44437	9.980	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	7872	8.811	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	26608	9.211	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	19798	7.980	ug/L	96
71) Naphthalene	14.08	128	48497	6.461	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	20397	8.468	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 13.245 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

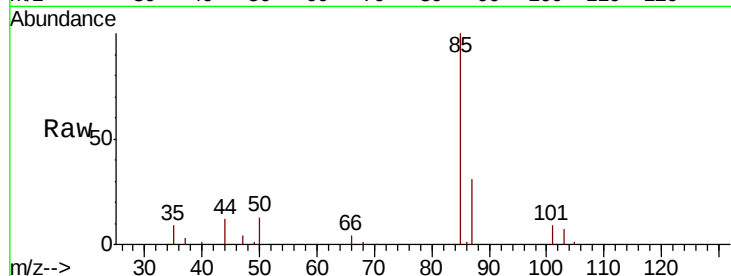
VSTD010203

Tot Ion: 85 Resp: 27295

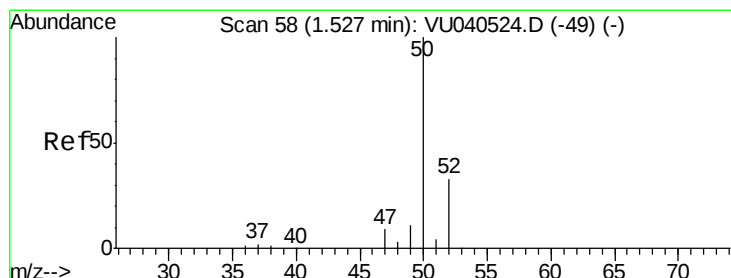
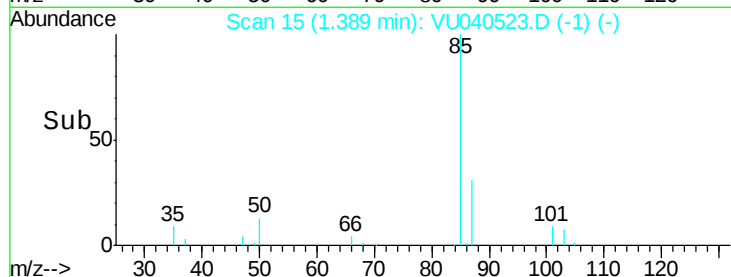
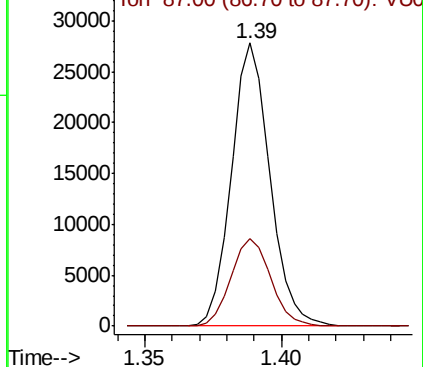
Ion Ratio Lower Upper

85 100

87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040523.D (-1) (-)



#3

Chloromethane

Concen: 12.379 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040523.D

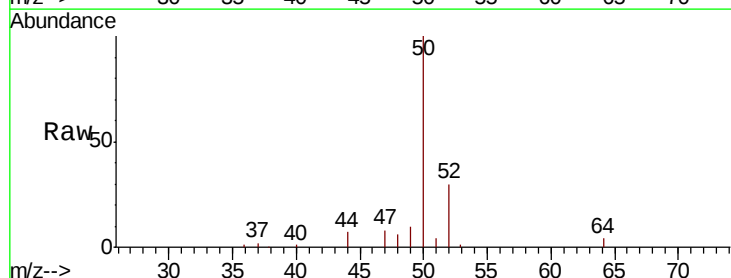
Acq: 06 Oct 2020 13:13

Tgt Ion: 50 Resp: 29775

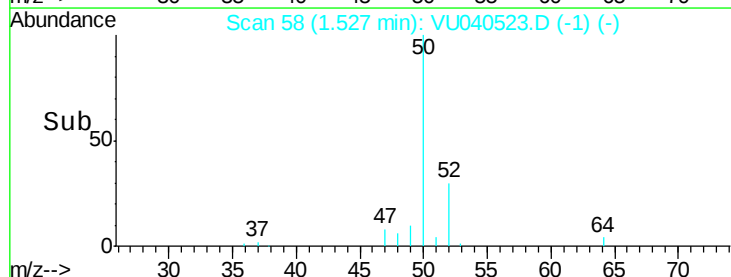
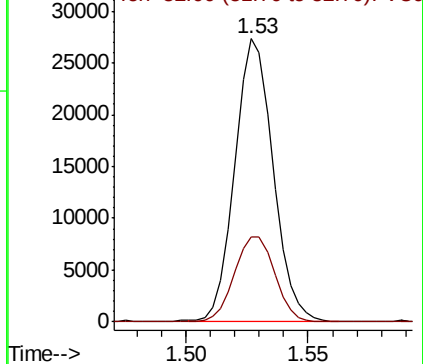
Ion Ratio Lower Upper

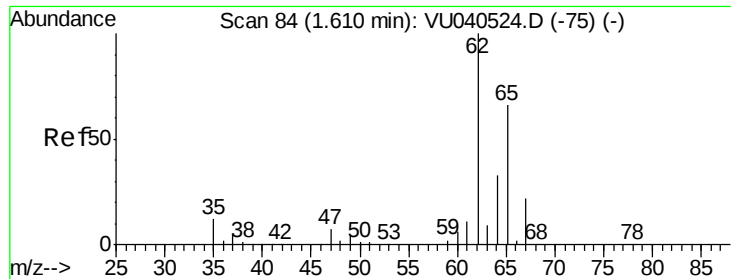
50 100

52 30.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040523.D (-1) (-)





#5

Vinyl chloride

Concen: 11.873 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

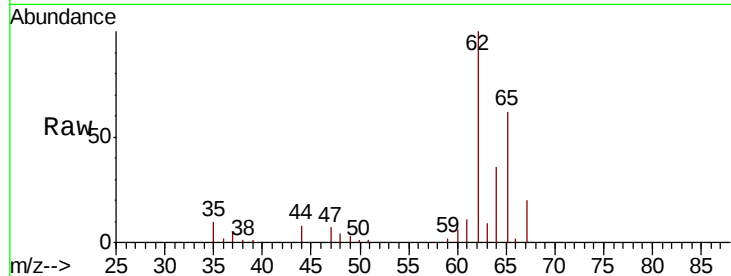
VSTD010203

Tot Ion: 62 Resp: 28534

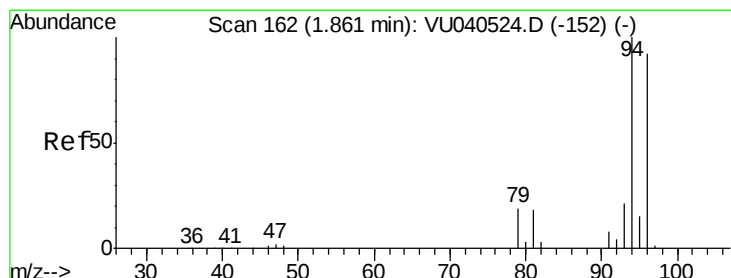
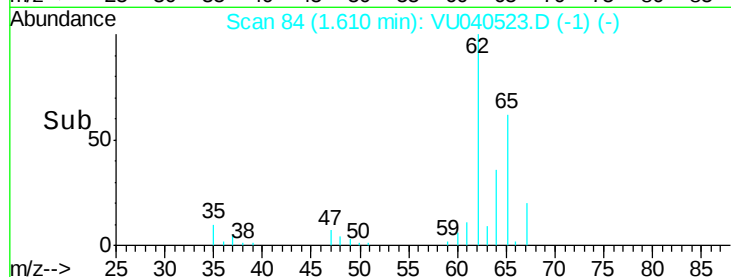
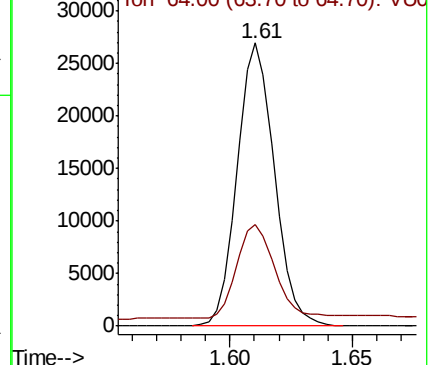
Ion Ratio Lower Upper

62 100

64 35.7 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU040523.D (-1) (-)



#6

Bromomethane

Concen: 11.381 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040523.D

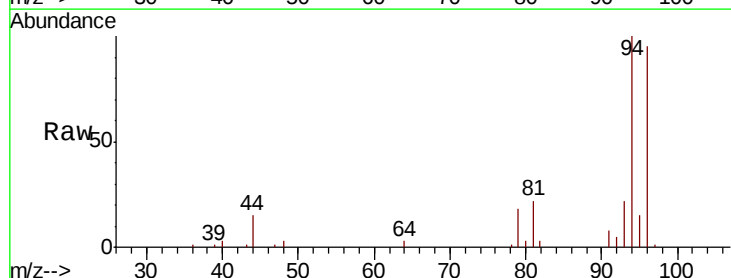
Acq: 06 Oct 2020 13:13

Tgt Ion: 94 Resp: 14455

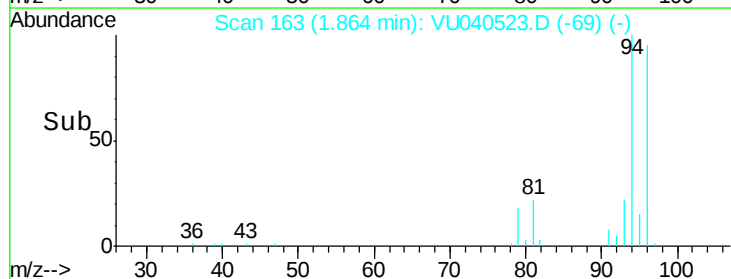
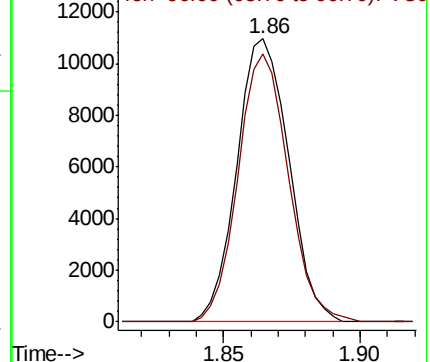
Ion Ratio Lower Upper

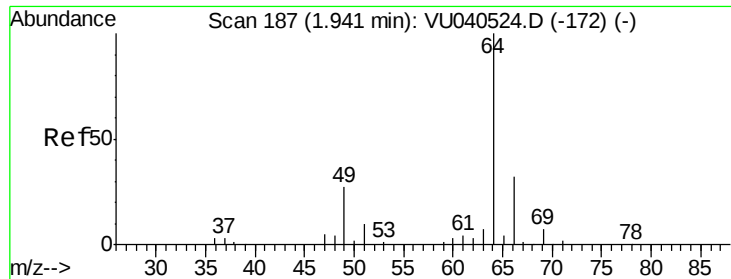
94 100

96 94.8 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU040523.D (-69) (-)

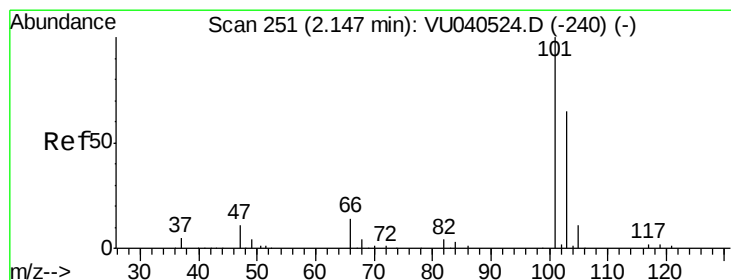
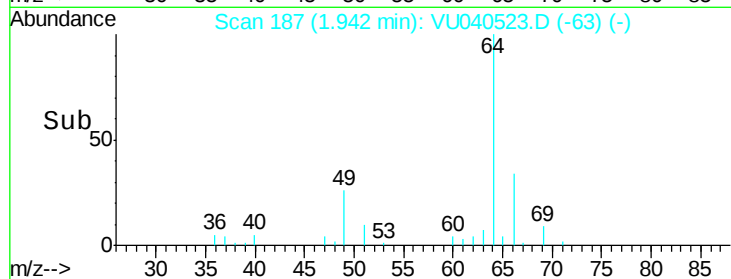
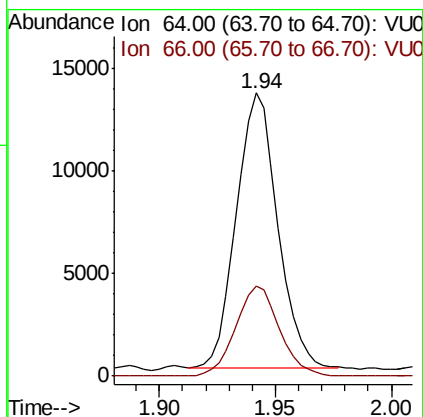
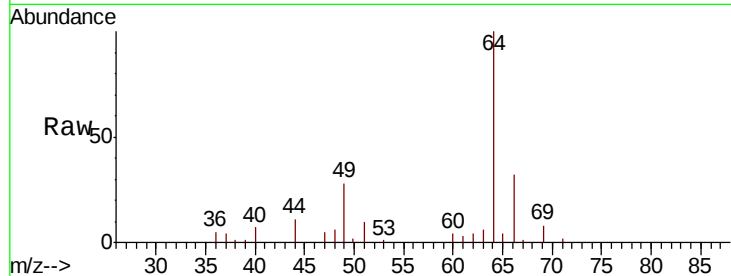




#8
Chloroethane
Concen: 10.766 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

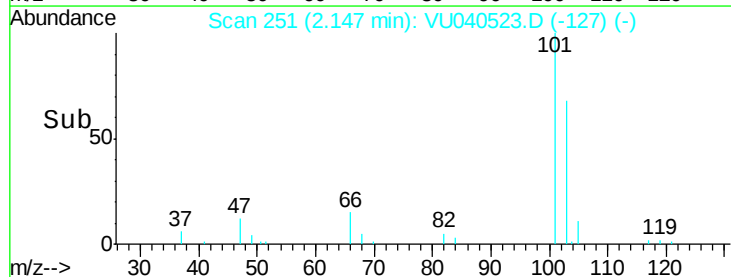
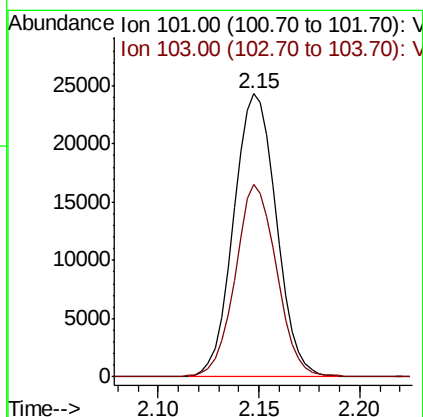
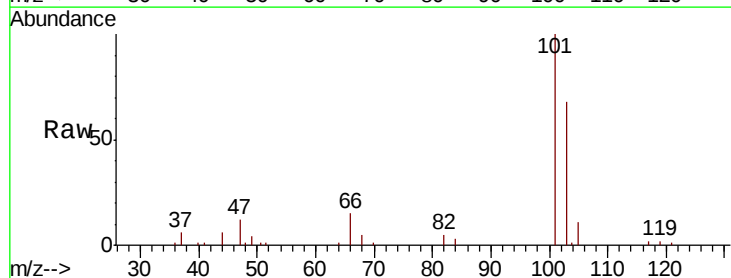
Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

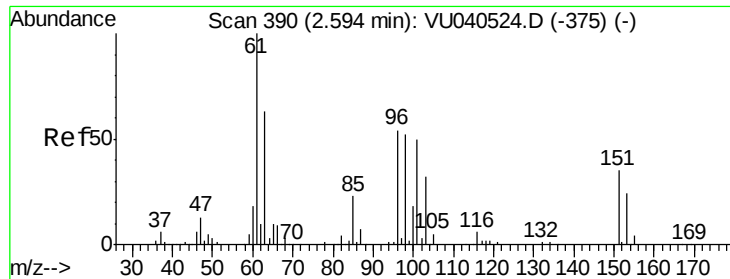
Tot Ion: 64 Resp: 16485
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 10.997 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion: 101 Resp: 36092
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1





#10

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

Concen: 10.572 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD010203

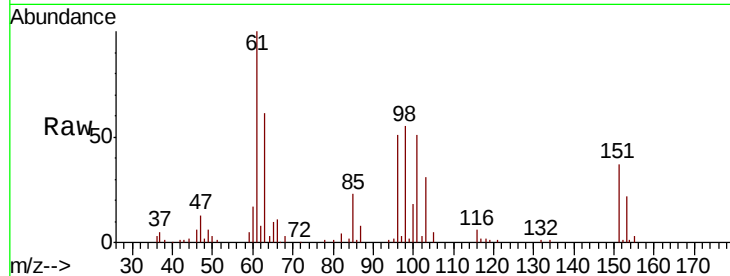
Tot Ion:101 Resp: 21848

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

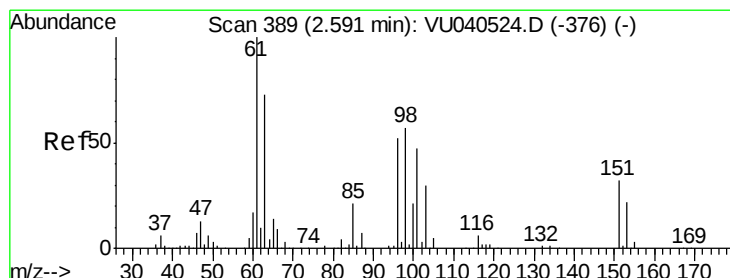
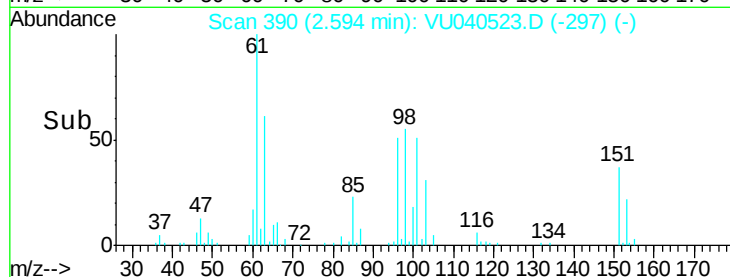
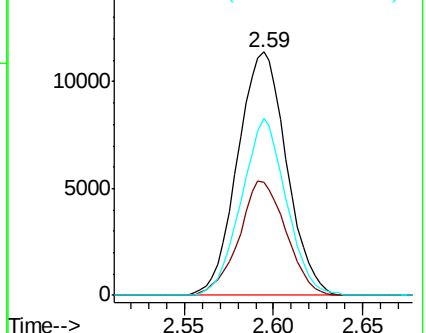
151 66.8 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.985 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

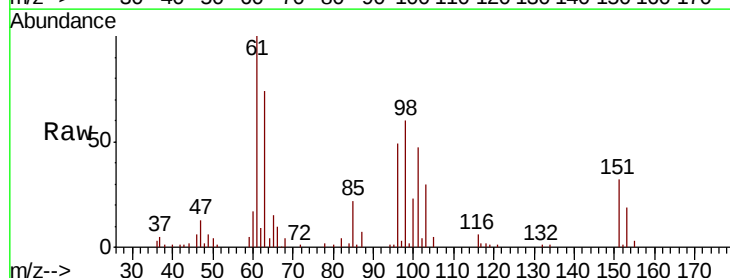
Tgt Ion: 96 Resp: 19210

Ion Ratio Lower Upper

96 100

61 203.8 135.0 250.8

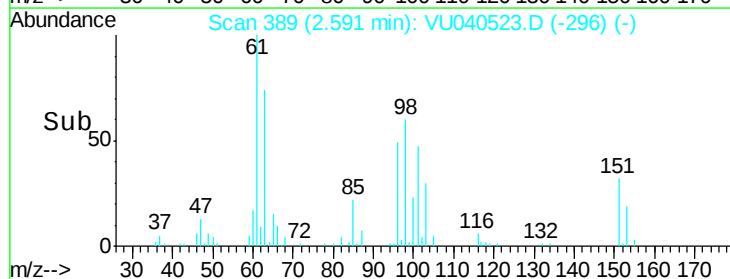
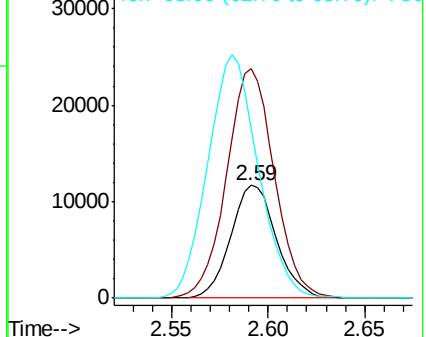
63 150.1 101.4 188.2

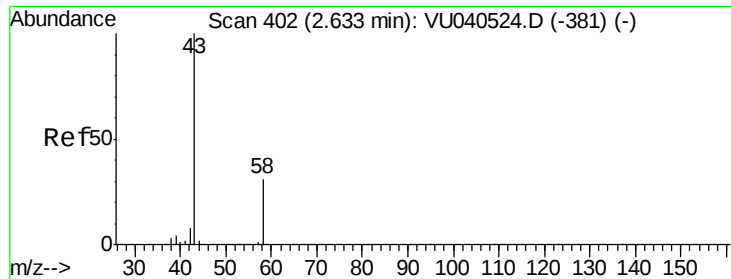


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.991 ug/L

RT: 2.63 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

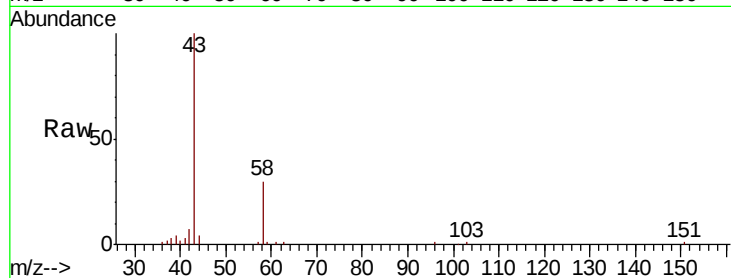
VSTD010203

Tot Ion: 43 Resp: 39346

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040523.D (-309) (-)

Ion 58.00 (57.70 to 58.70): VU040523.D (-309) (-)

2.63

25000

20000

15000

10000

5000

0

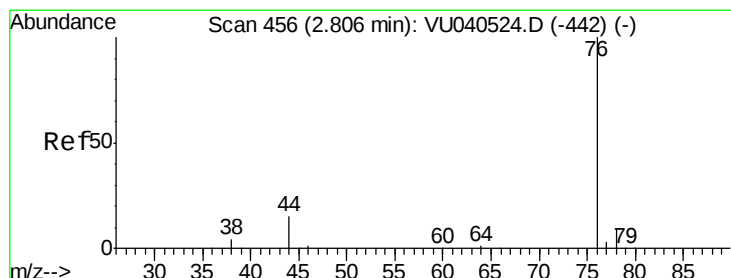
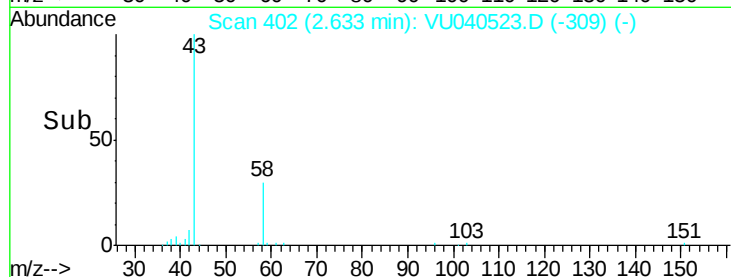
Time-->

2.55

2.60

2.65

2.70



#14

Carbon disulfide

Concen: 10.594 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040523.D

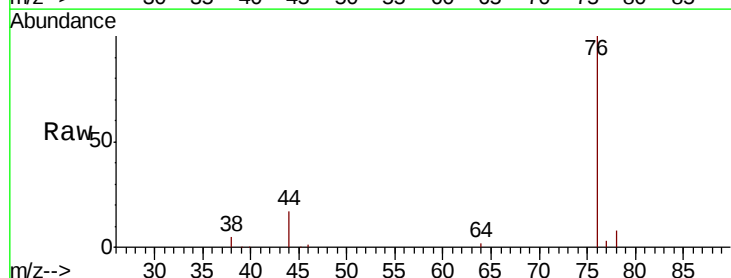
Acq: 06 Oct 2020 13:13

Tgt Ion: 76 Resp: 65677

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040523.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040523.D (-363) (-)

2.81

40000

30000

20000

10000

0

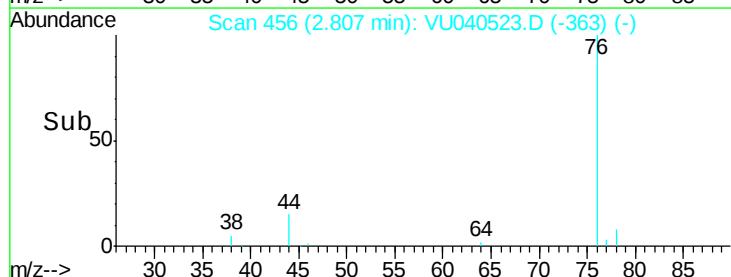
Time-->

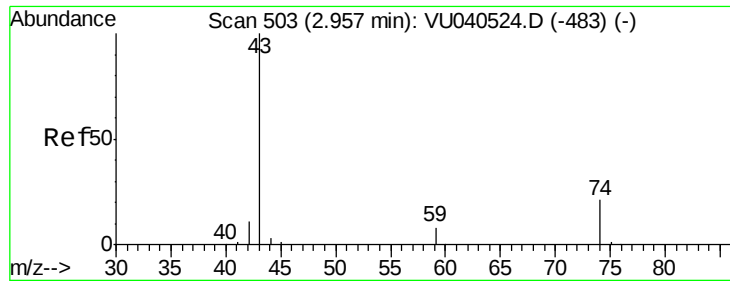
2.75

2.80

2.85

2.90





#15

Methvl Acetate

Concen: 9.840 ug/L

RT: 2.96 min Scan# 504

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

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ClientSampleId :

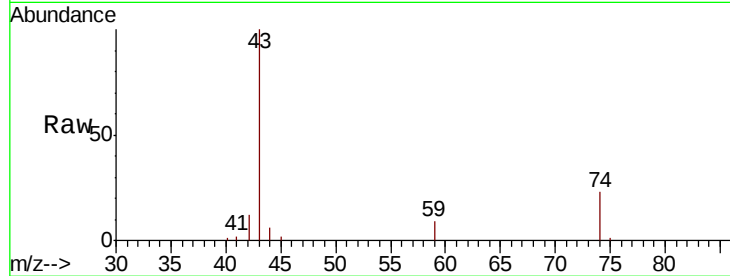
VSTD010203

Tot Ion: 43 Resp: 29573

Ion Ratio Lower Upper

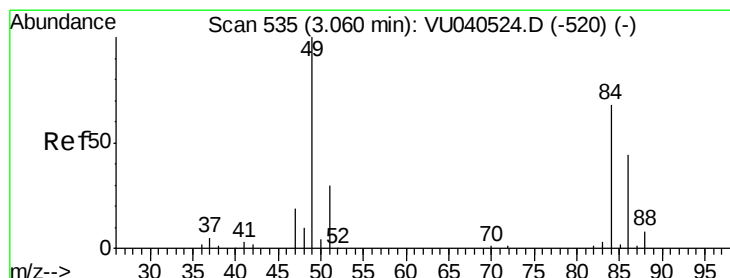
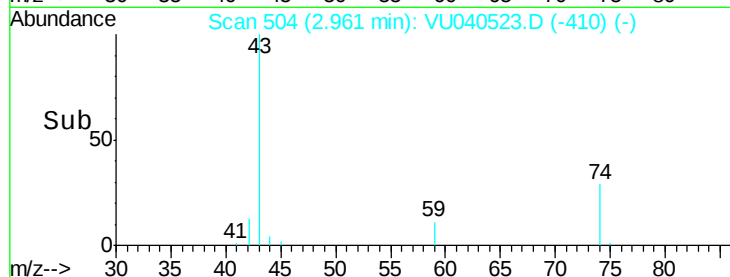
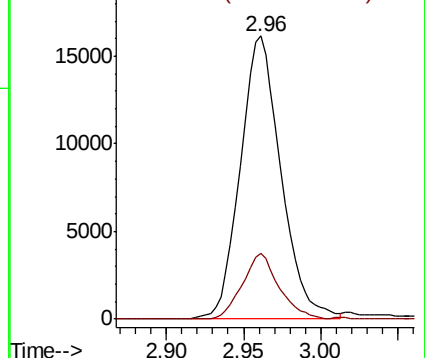
43 100

74 20.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 10.834 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

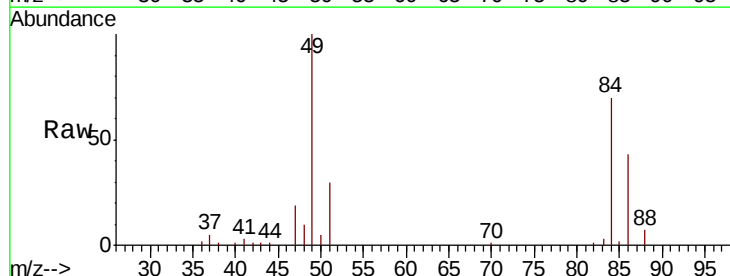
Tgt Ion: 84 Resp: 24588

Ion Ratio Lower Upper

84 100

86 60.8 45.4 84.4

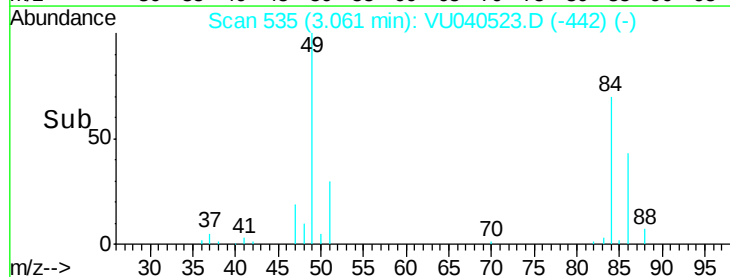
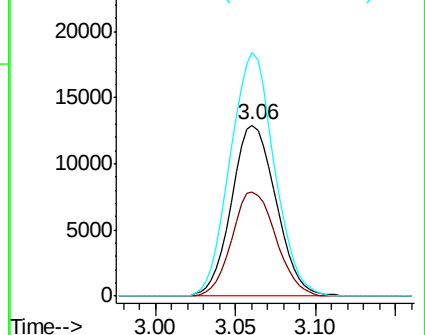
49 142.2 102.9 191.1

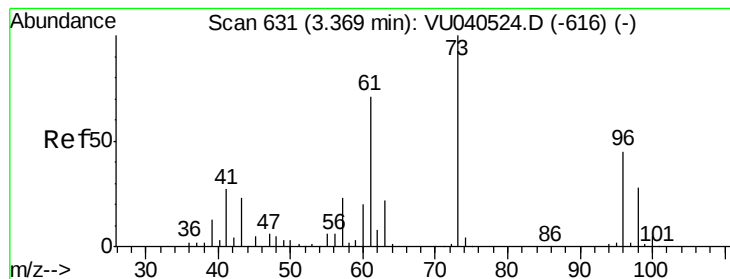


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 10.409 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD010203

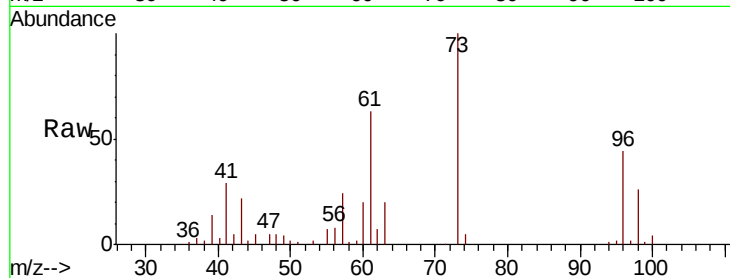
Tot Ion: 96 Resp: 20707

Ion Ratio Lower Upper

96 100

61 144.0 109.6 203.6

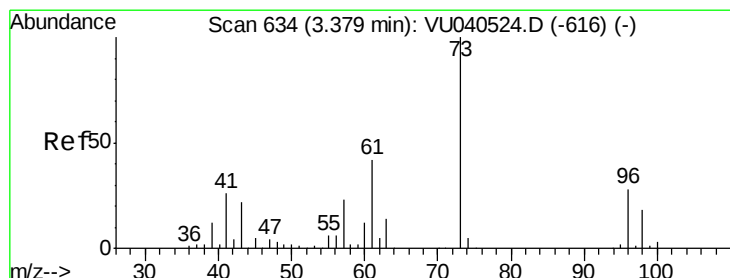
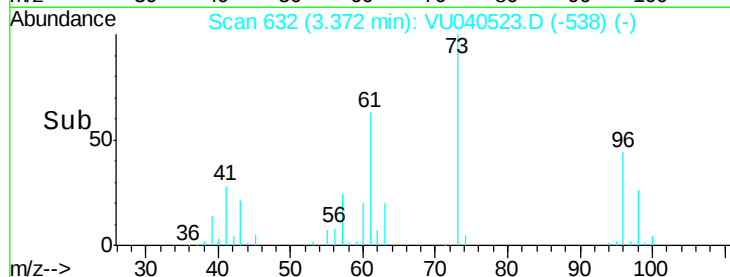
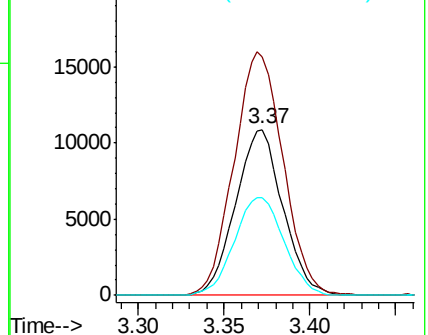
98 58.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040523.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040523.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040523.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 9.564 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

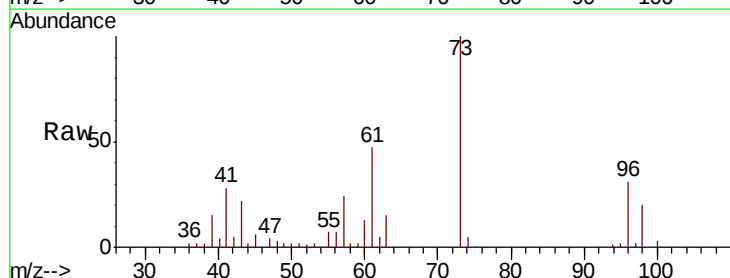
Tgt Ion: 73 Resp: 62151

Ion Ratio Lower Upper

73 100

43 22.8 18.2 27.2

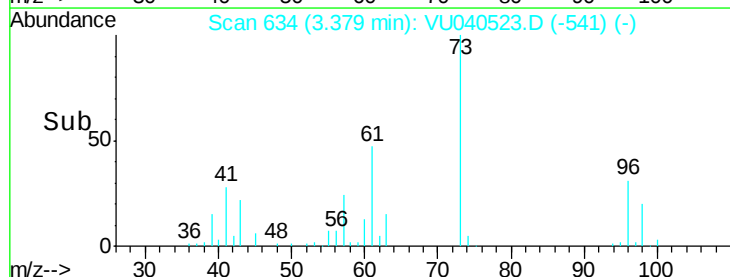
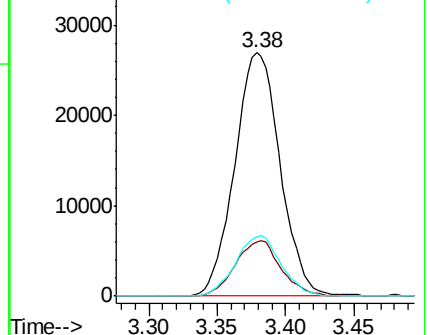
57 24.6 18.5 27.7

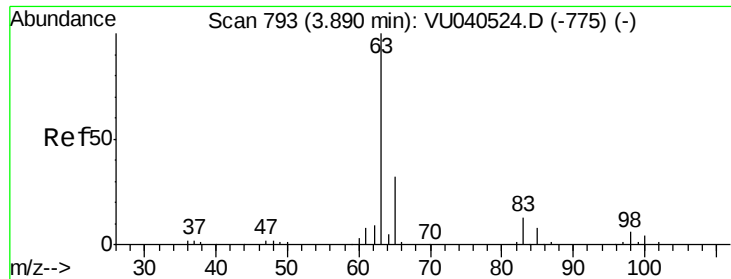


Abundance Ion 73.00 (72.70 to 73.70): VU040523.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040523.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040523.D (-541) (-)

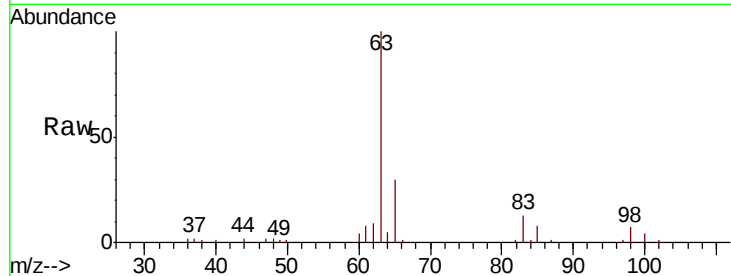




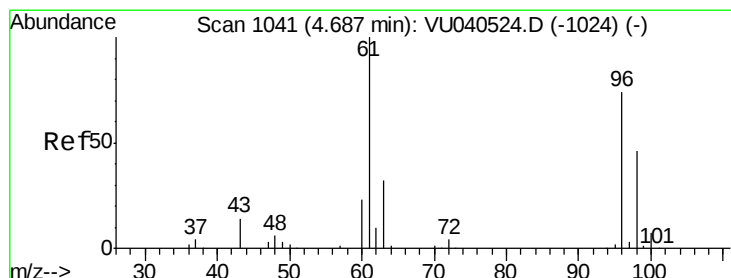
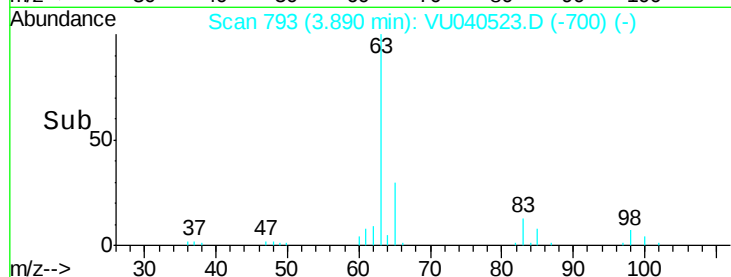
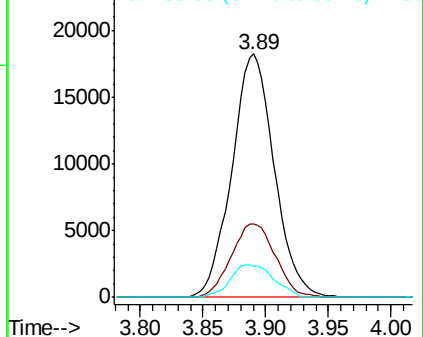
#19
 1,1-Dichloroethane
 Concen: 10.342 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

Tot Ion: 63 Resp: 42865
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.6 42.0
 83 12.9 9.1 16.9

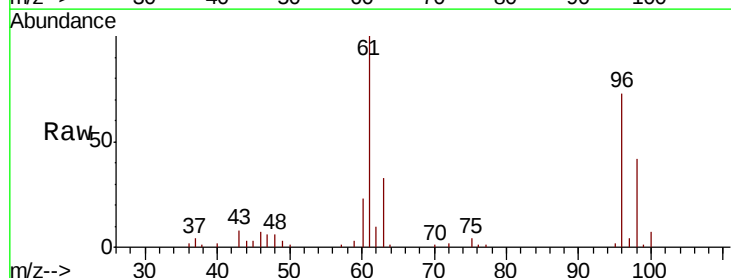


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

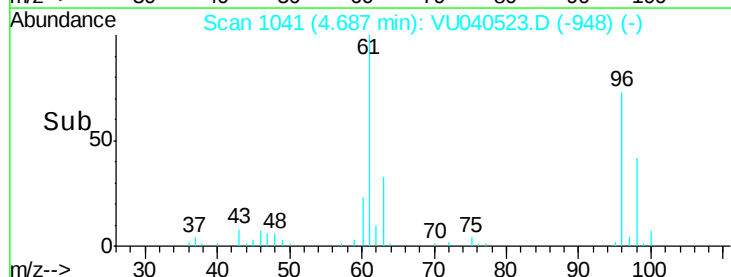
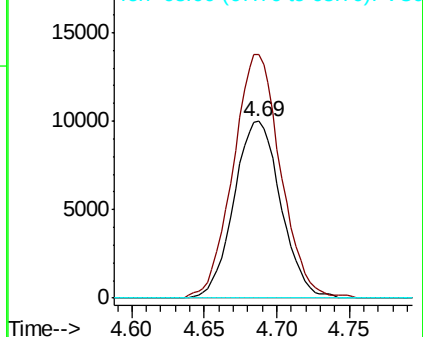


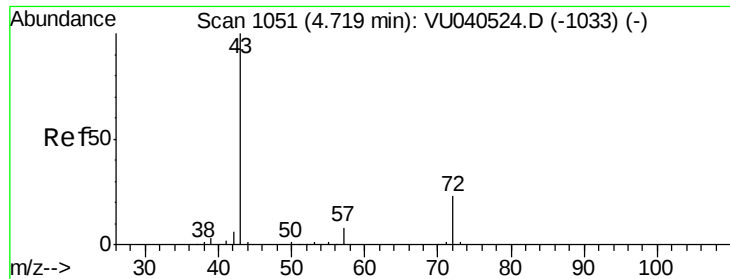
#20
 cis-1,2-Dichloroethene
 Concen: 10.296 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 96 Resp: 22427
 Ion Ratio Lower Upper
 96 100
 61 137.8 95.7 177.7
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 19.453 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

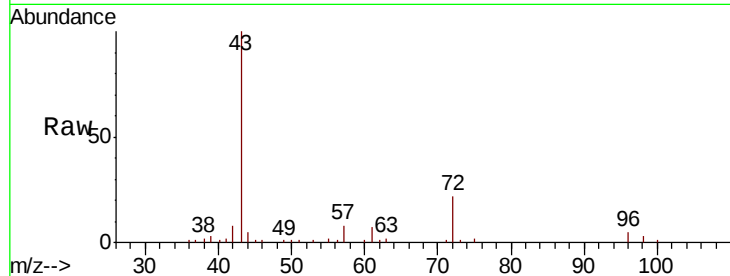
VSTD010203

Tot Ion: 43 Resp: 45753

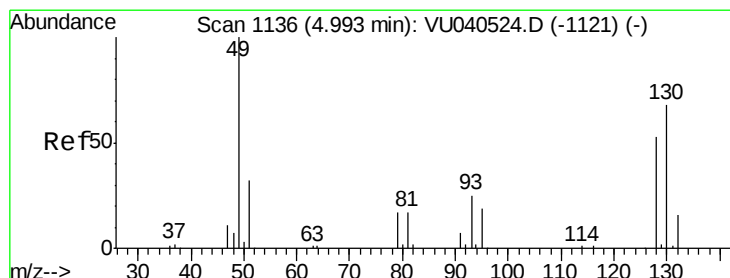
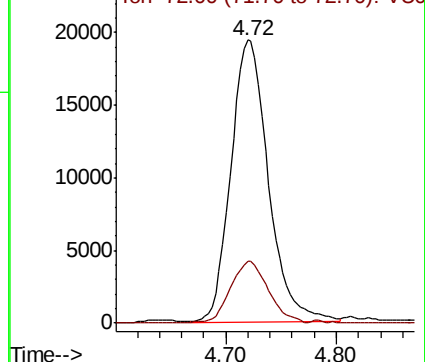
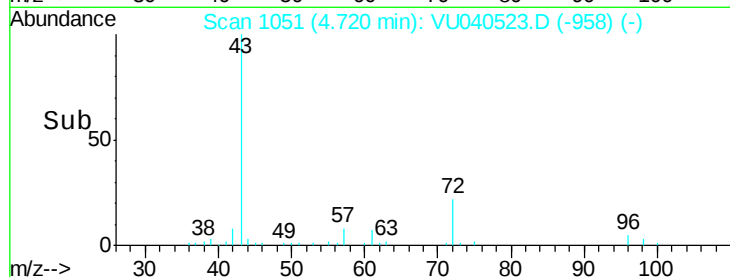
Ion Ratio Lower Upper

43 100

72 22.0 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040523.D (-958) (-)



#23

Bromochloromethane

Concen: 10.616 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Tgt Ion: 128 Resp: 12099

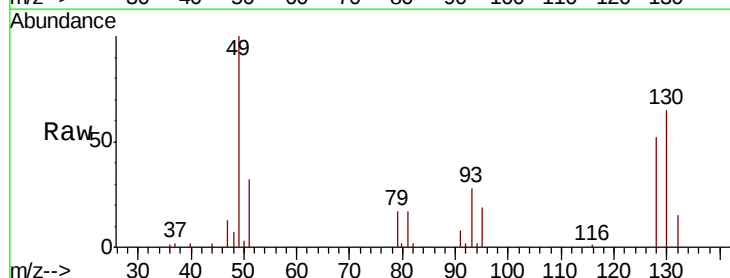
Ion Ratio Lower Upper

128 100

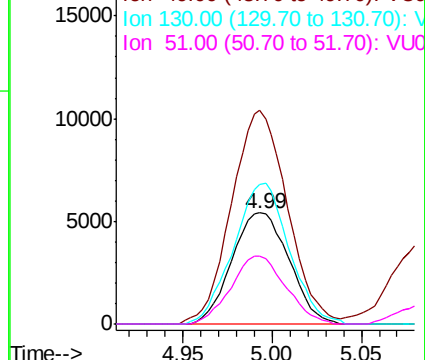
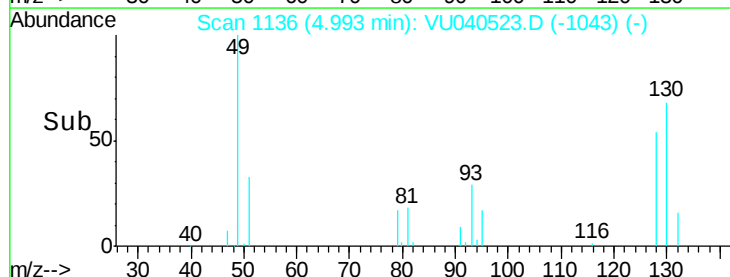
49 191.9 133.1 247.3

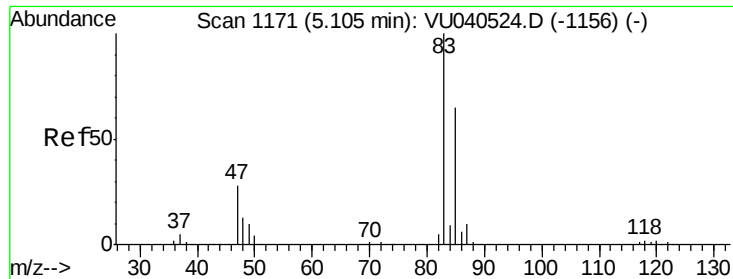
130 125.7 90.5 168.1

51 61.0 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040523.D (-1043) (-)

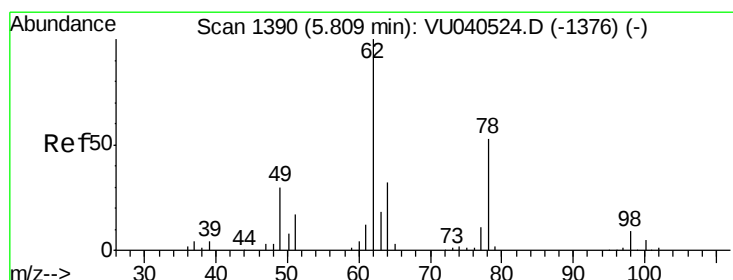
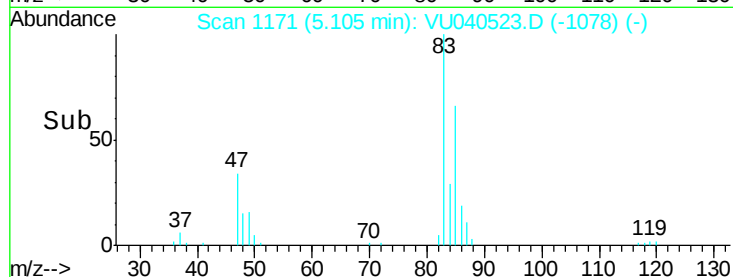
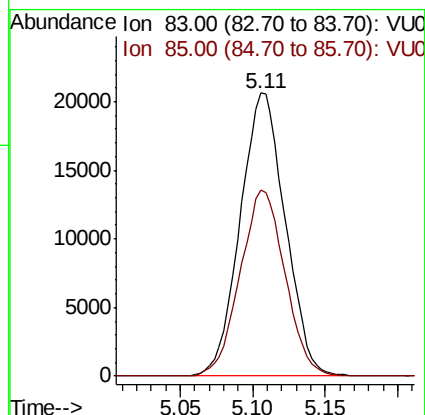
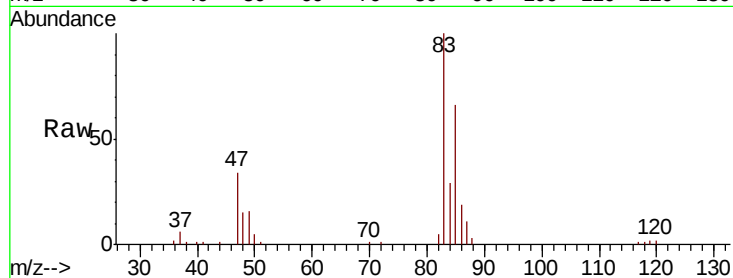




#25
Chloroform
Concen: 10.649 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

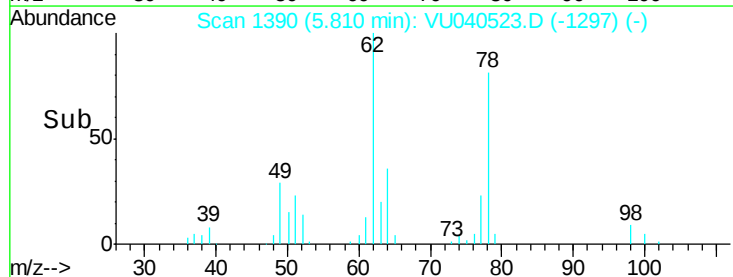
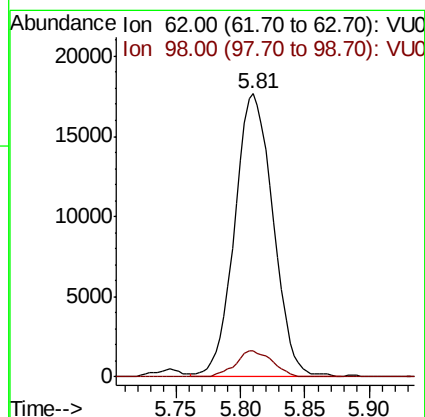
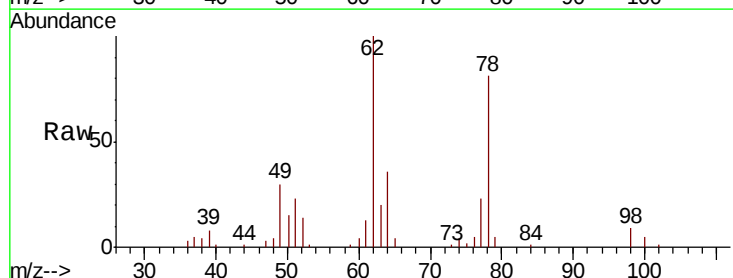
Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

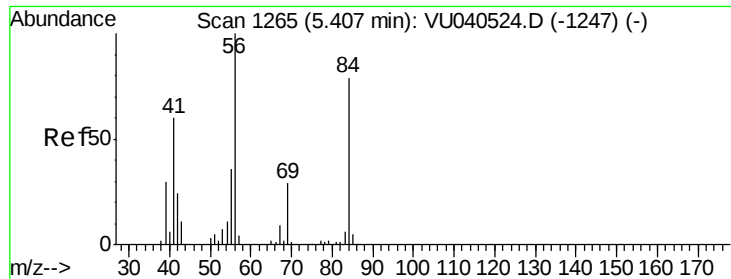
Tot Ion: 83 Resp: 44612
Ion Ratio Lower Upper
83 100
85 65.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 10.326 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion: 62 Resp: 36688
Ion Ratio Lower Upper
62 100
98 9.2 7.1 10.7

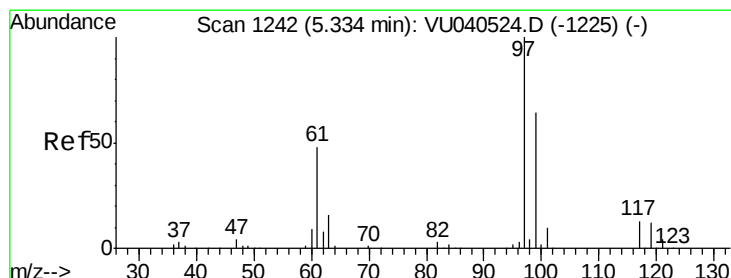
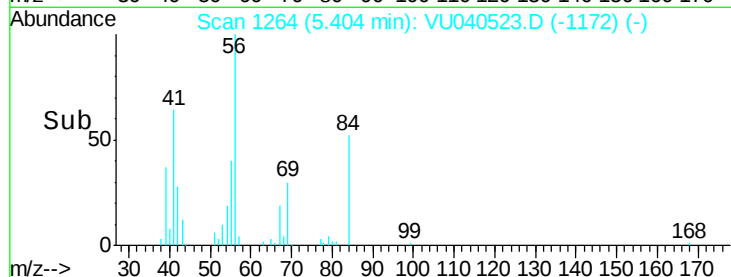
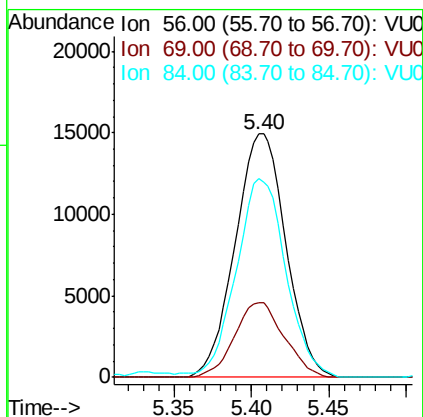
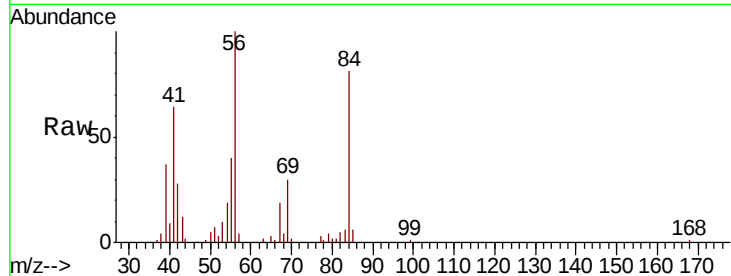




#29
Cyclohexane
Concen: 9.173 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

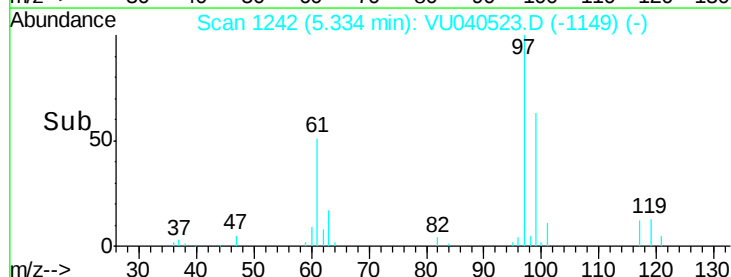
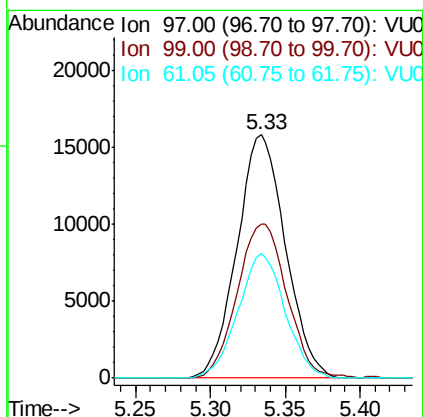
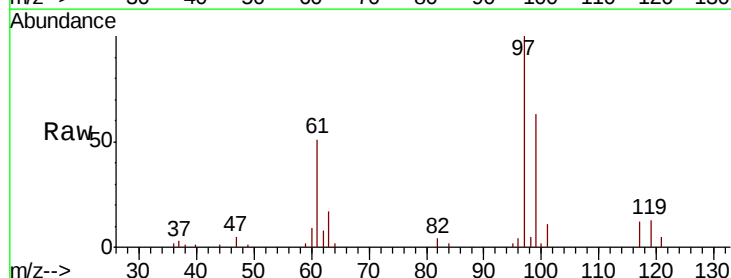
Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

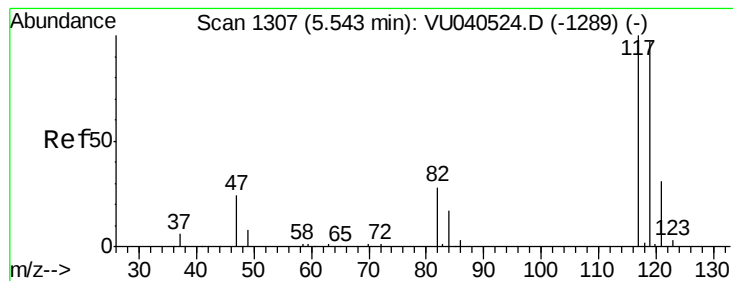
Tot Ion: 56 Resp: 33996
Ion Ratio Lower Upper
56 100
69 30.0 22.6 34.0
84 80.1 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 10.152 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion: 97 Resp: 35674
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 49.7 39.4 59.2





#31

Carbon tetrachloride

Concen: 9.867 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

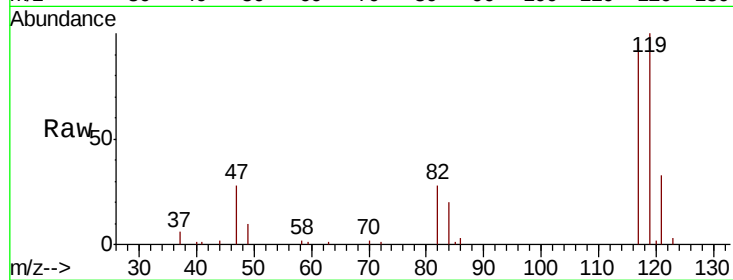
VSTD010203

Tot Ion:117 Resp: 30143

Ion Ratio Lower Upper

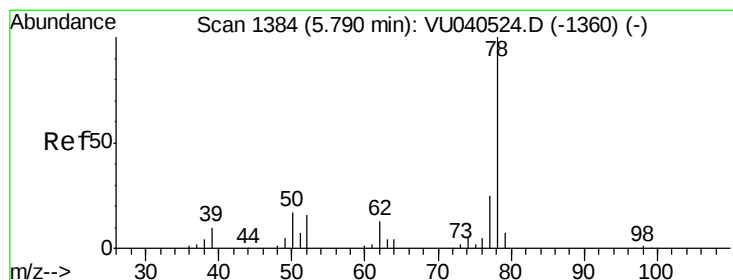
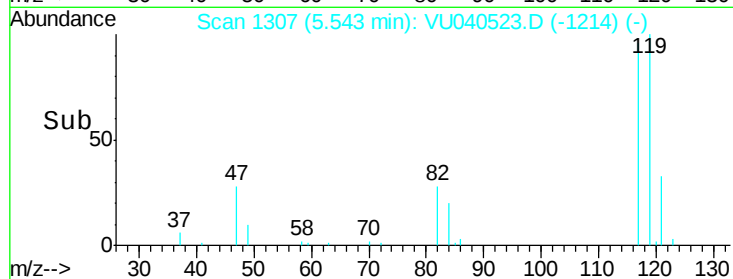
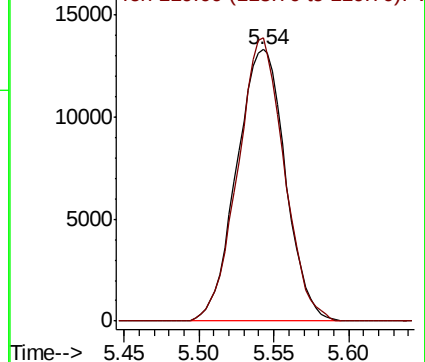
117 100

119 99.1 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.124 ug/L

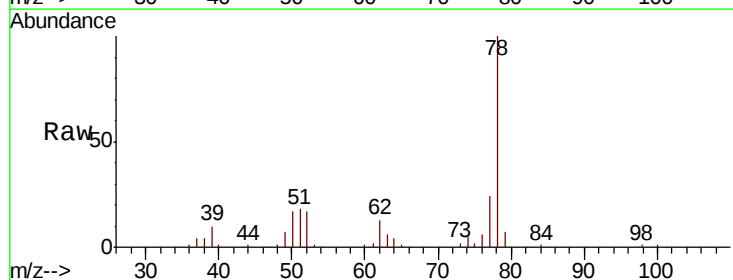
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

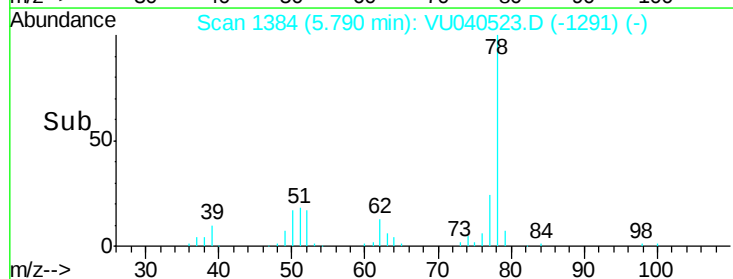
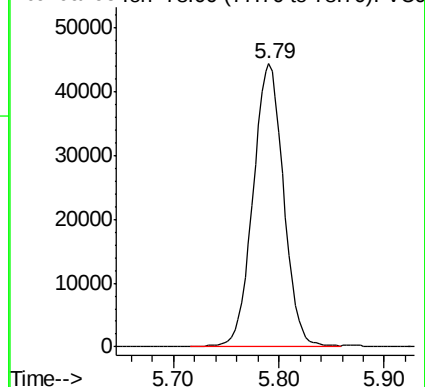
Lab File: VU040523.D

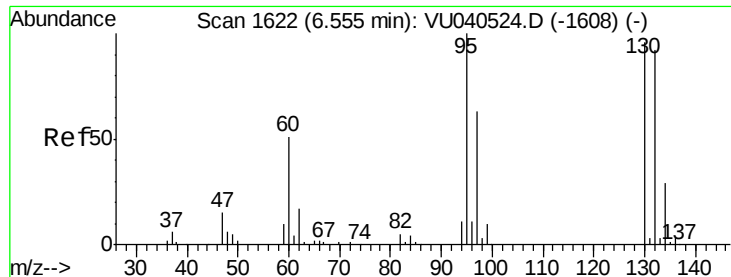
Acq: 06 Oct 2020 13:13

Tgt Ion: 78 Resp: 89800



Abundance Ion 78.00 (77.70 to 78.70): VU0

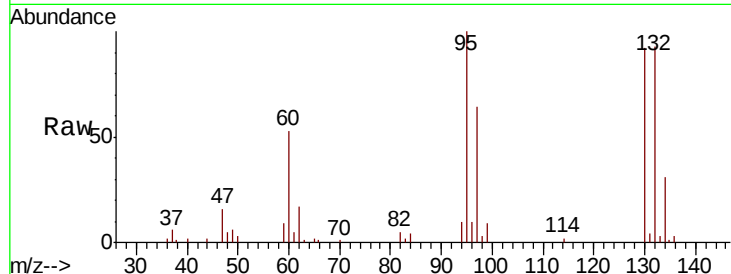




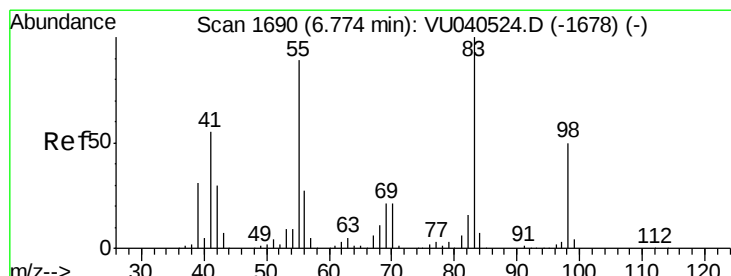
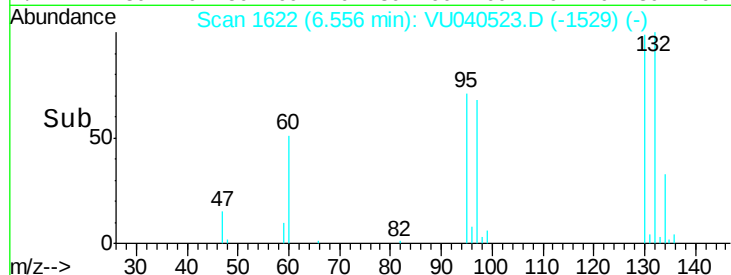
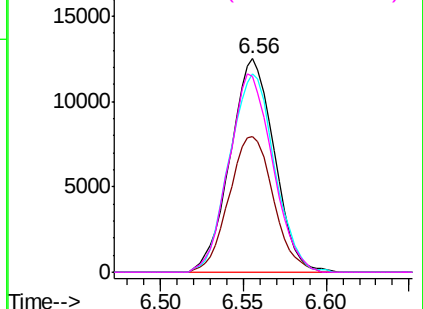
#34
 Trichloroethene
 Concen: 10.198 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

Tot Ion: 95 Resp: 23174
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.3 82.3
 132 93.1 64.2 119.2
 130 91.9 67.3 125.1

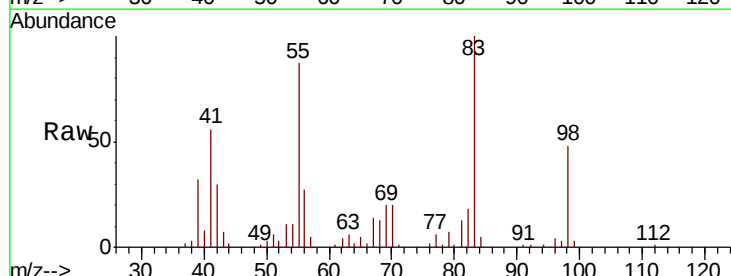


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

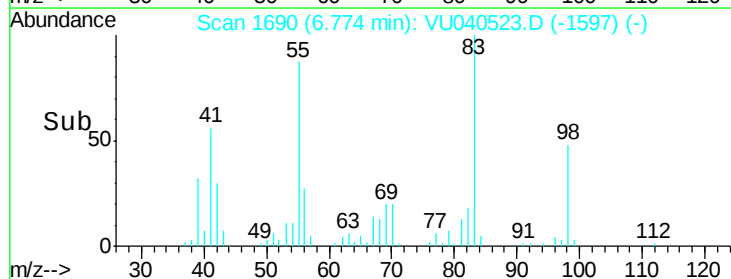
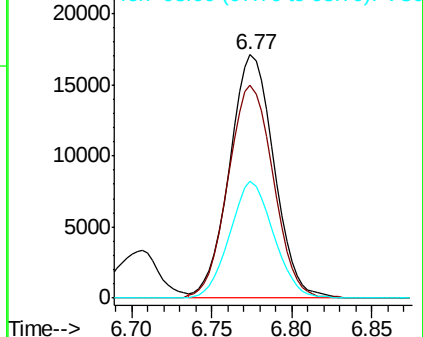


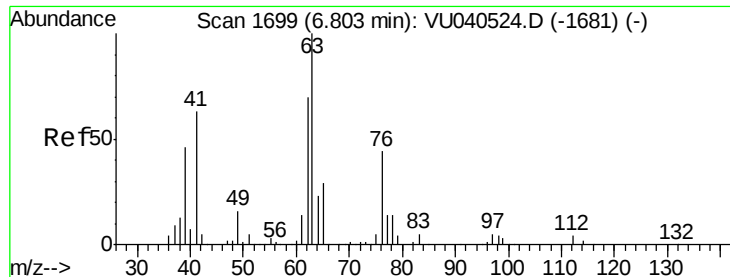
#35
 Methylcyclohexane
 Concen: 9.361 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 83 Resp: 32539
 Ion Ratio Lower Upper
 83 100
 55 88.5 69.8 104.8
 98 47.1 39.1 58.7



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

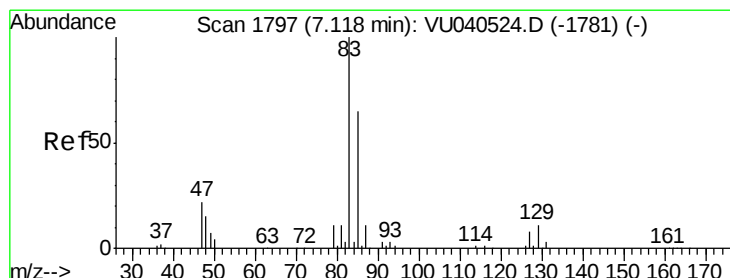
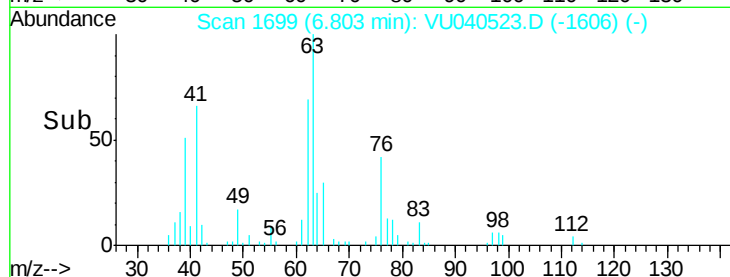
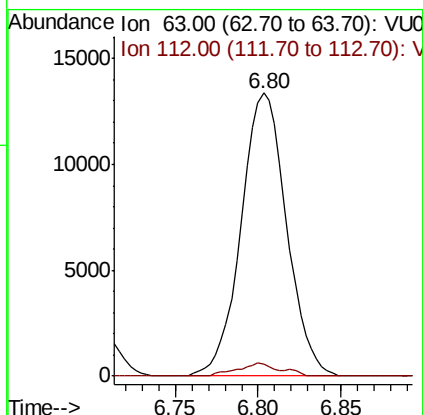
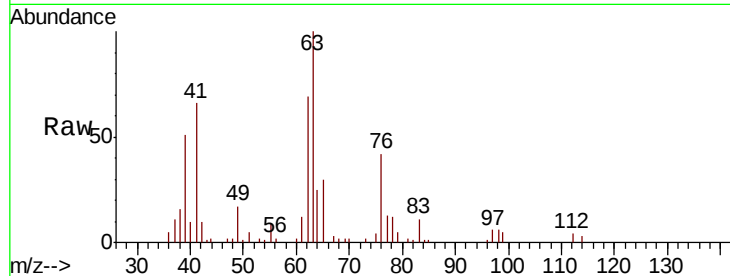




#37
 1,2-Dichloropropane
 Concen: 10.233 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

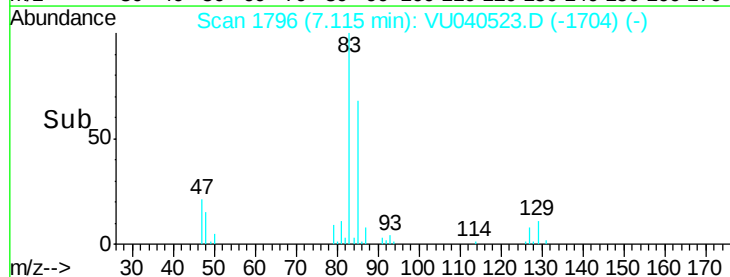
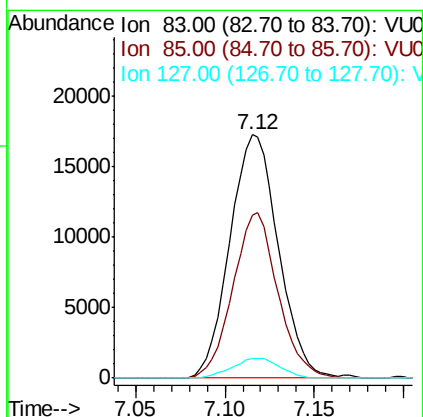
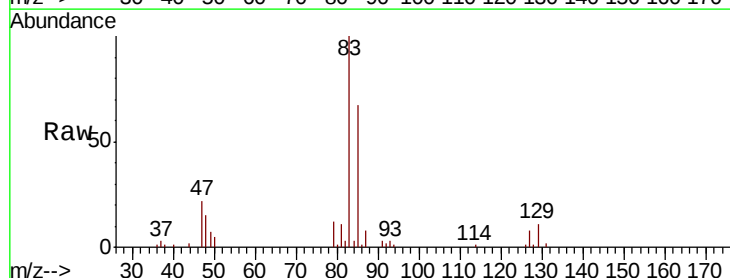
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

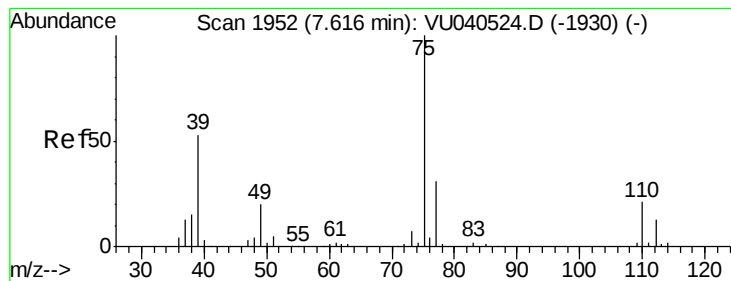
Tot Ion: 63 Resp: 25486
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 10.349 ug/L
 RT: 7.12 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 83 Resp: 32725
 Ion Ratio Lower Upper
 83 100
 85 67.0 45.2 84.0
 127 8.1 6.7 10.1



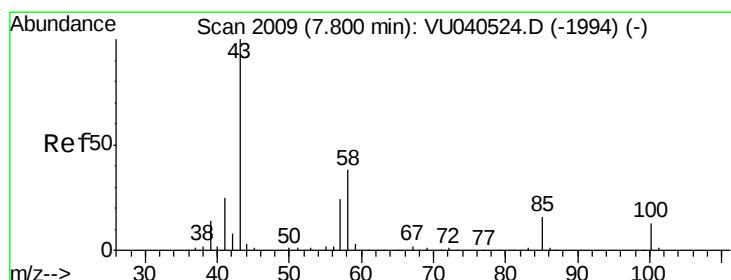
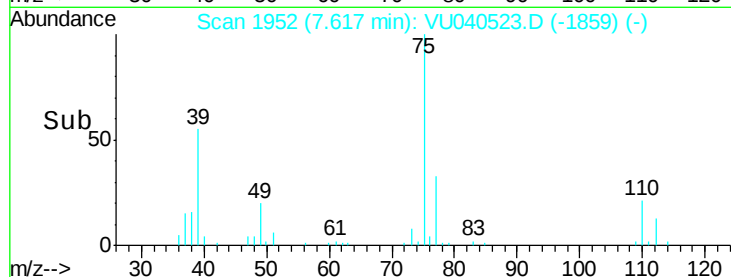
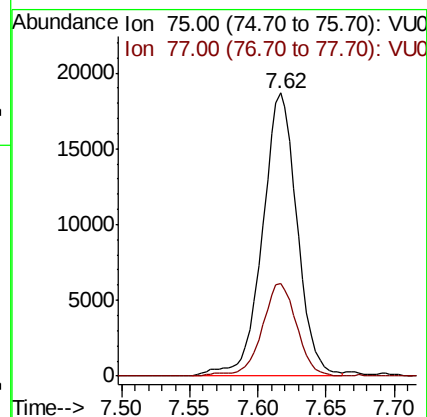
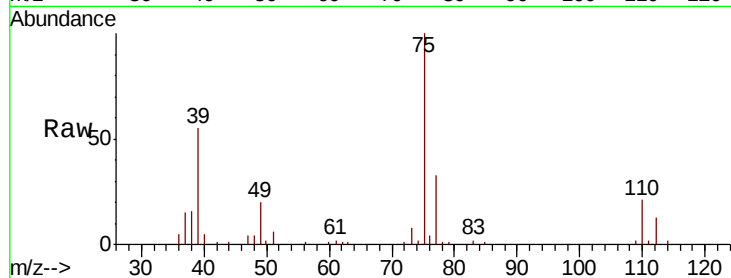


#39

cis-1,3-Dichloropropene
 Concen: 9.193 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

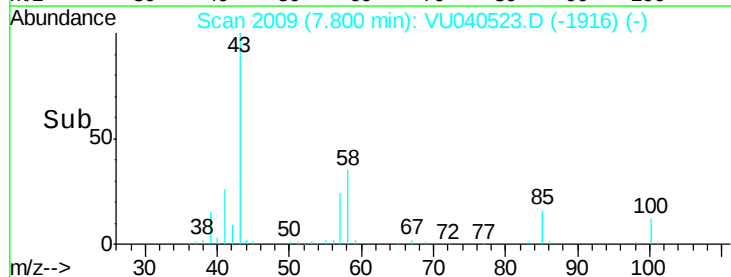
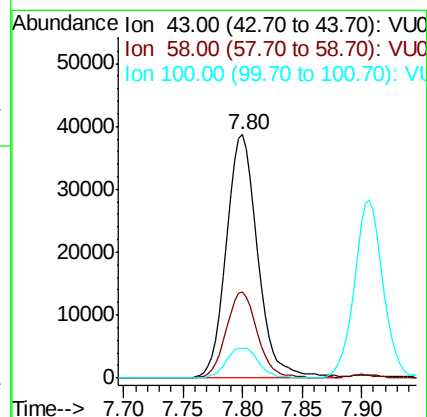
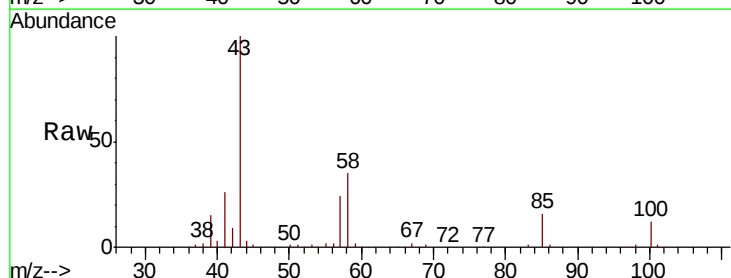
Tot Ion: 75 Resp: 32946
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.4 39.8

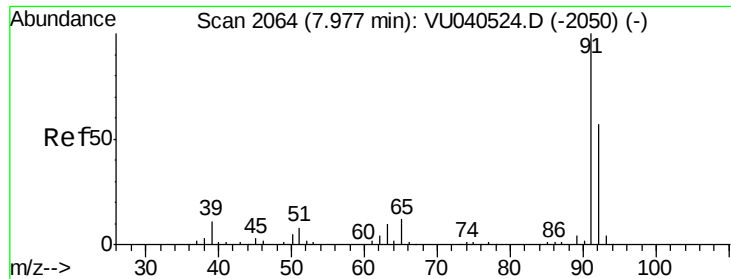


#40

4-Methyl-2-pentanone
 Concen: 17.859 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 43 Resp: 71062
 Ion Ratio Lower Upper
 43 100
 58 35.0 29.7 44.5
 100 12.7 10.5 15.7





#42

Toluene

Concen: 10.184 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

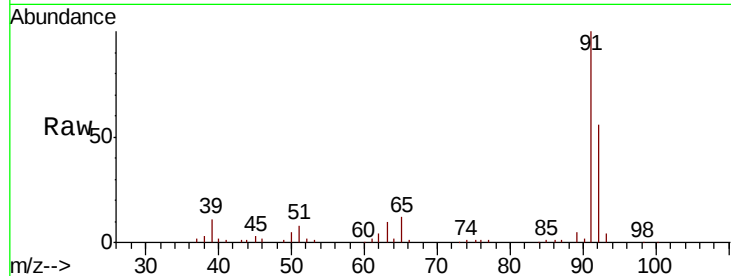
VSTD010203

Tot Ion: 91 Resp: 91412

Ion Ratio Lower Upper

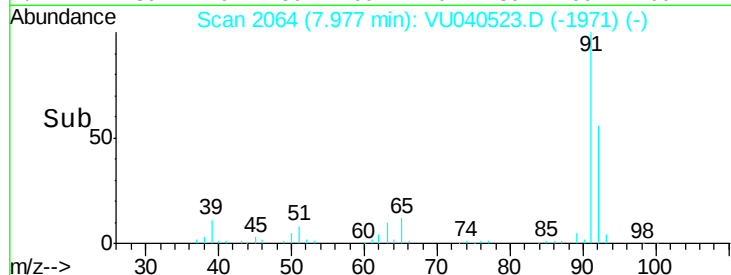
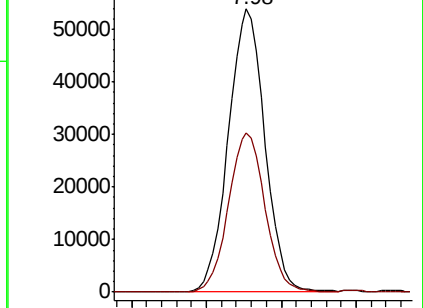
91 100

92 56.2 39.9 74.1

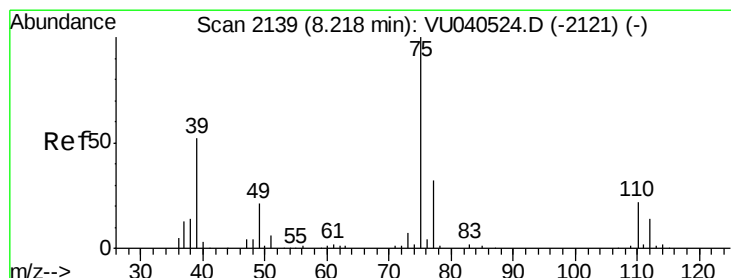


Abundance Ion 91.00 (90.70 to 91.70): VU040523.D (-1971) (-)

Ion 92.00 (91.70 to 92.70): VU040523.D (-1971) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.496 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040523.D

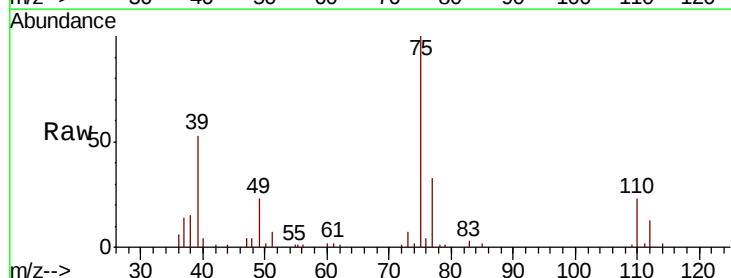
Acq: 06 Oct 2020 13:13

Tgt Ion: 75 Resp: 34517

Ion Ratio Lower Upper

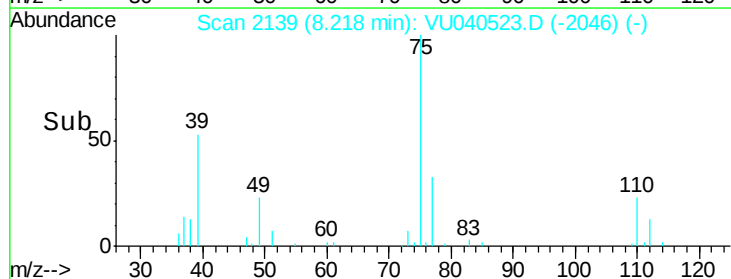
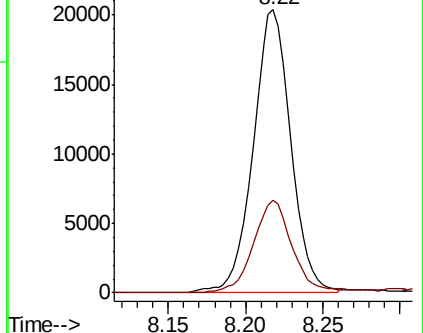
75 100

77 32.8 22.1 41.1

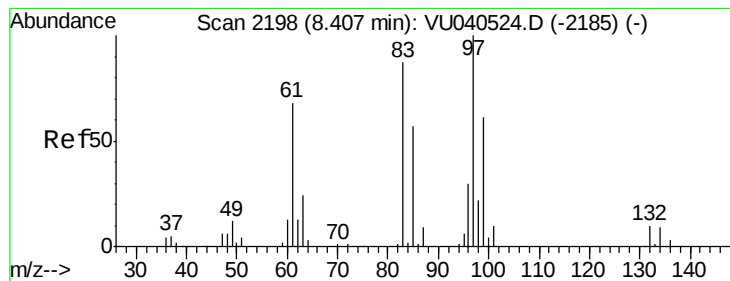


Abundance Ion 75.00 (74.70 to 75.70): VU040523.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VU040523.D (-2046) (-)



Time-->



#45

1,1,2-Trichloroethane

Concen: 10.423 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD010203

Tot Ion: 97 Resp: 22699

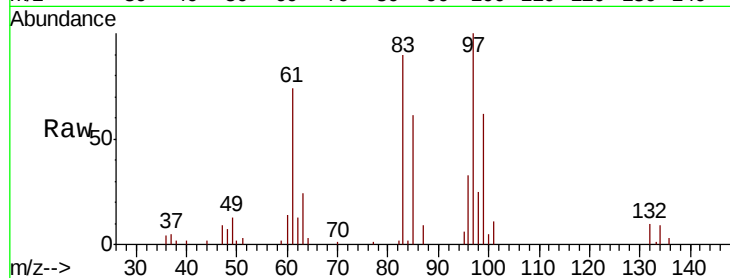
Ion Ratio Lower Upper

97 100

99 61.7 42.7 79.3

83 90.0 61.0 113.4

85 60.6 39.8 73.8



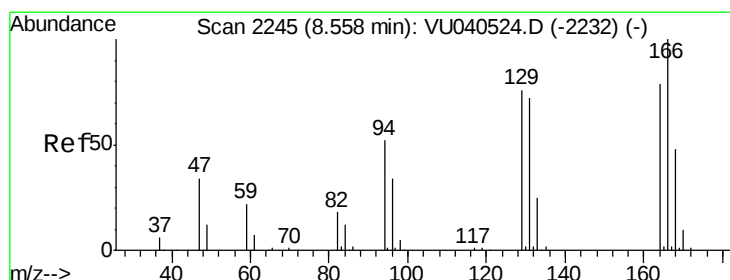
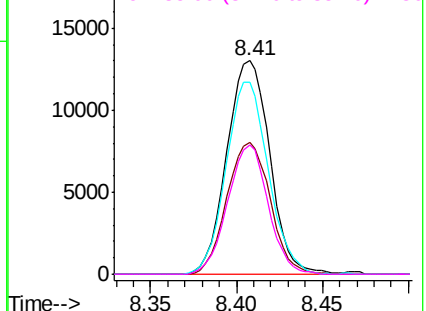
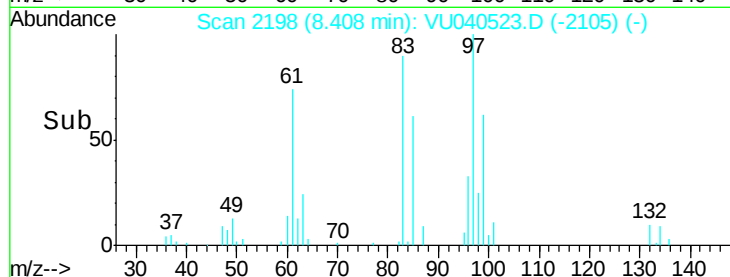
Abundance

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: 10.766 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Tgt Ion: 164 Resp: 17207

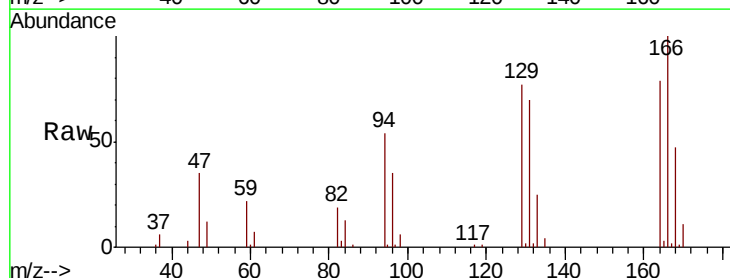
Ion Ratio Lower Upper

164 100

129 97.4 67.4 125.2

131 88.5 63.8 118.6

166 126.5 88.7 164.7



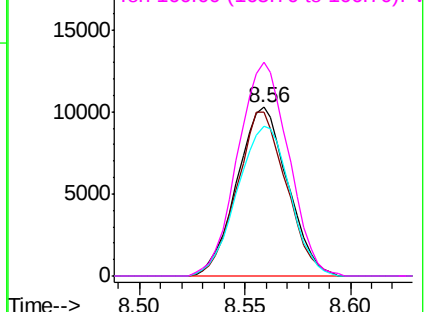
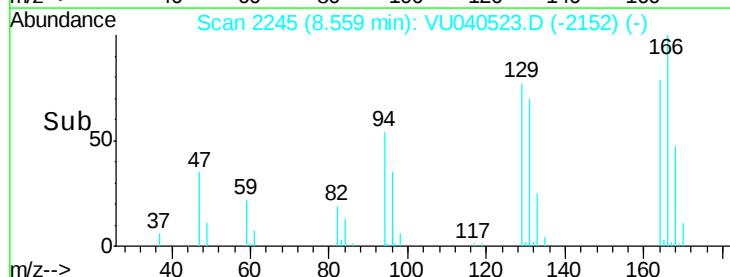
Abundance

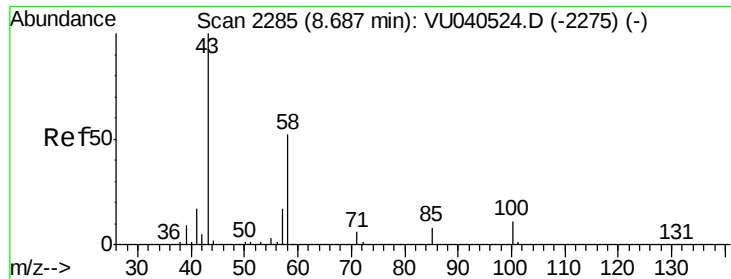
Ion 164.00 (163.70 to 164.70): V

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

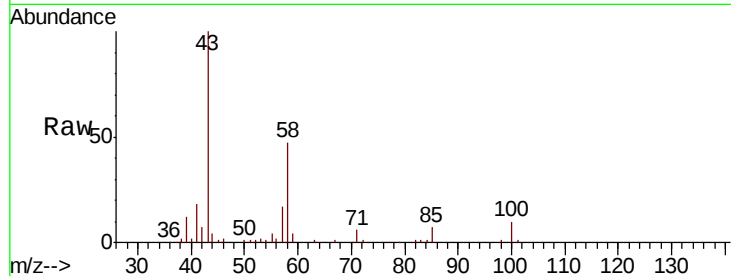




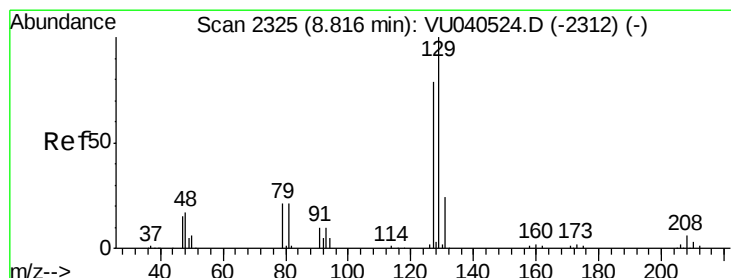
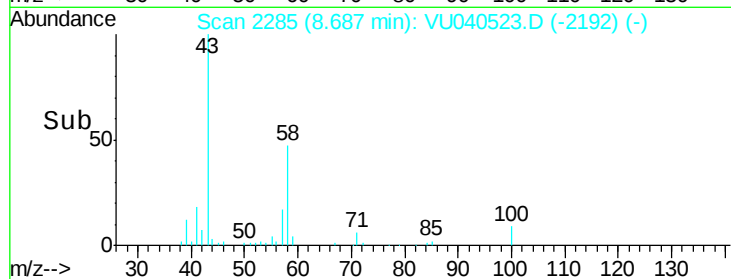
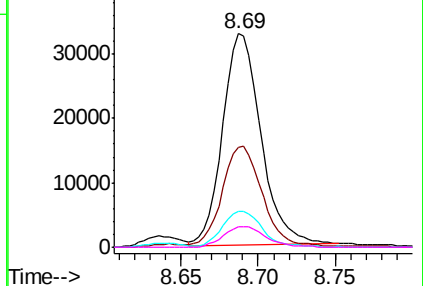
#48
2-Hexanone
Concen: 17.767 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

Tot Ion:	43	Resp:	56636
Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.6	60.8
57	17.8	14.3	21.5
100	10.6	8.5	12.7

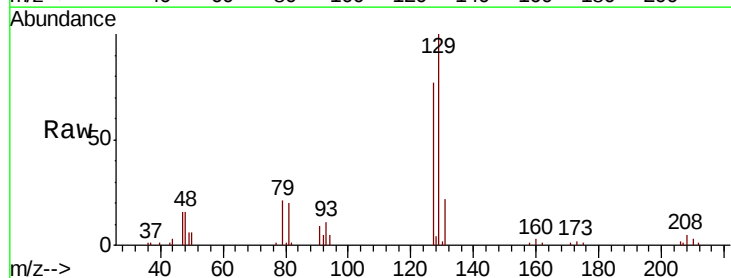


Abundance Ion 43.00 (42.70 to 43.70): VU040523.D (-2192) (-)
Ion 58.00 (57.70 to 58.70): VU040523.D (-2192) (-)
Ion 57.00 (56.70 to 57.70): VU040523.D (-2192) (-)
Ion 100.00 (99.70 to 100.70): VU040523.D (-2192) (-)

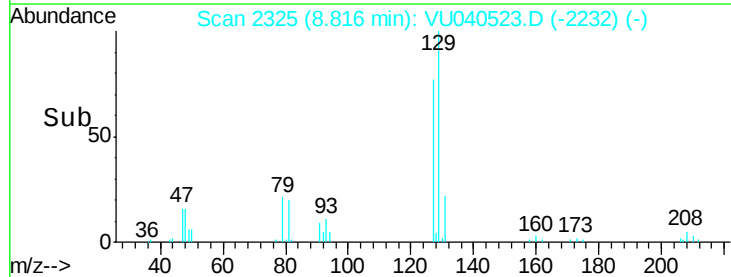
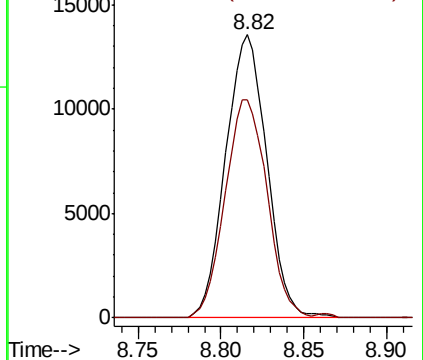


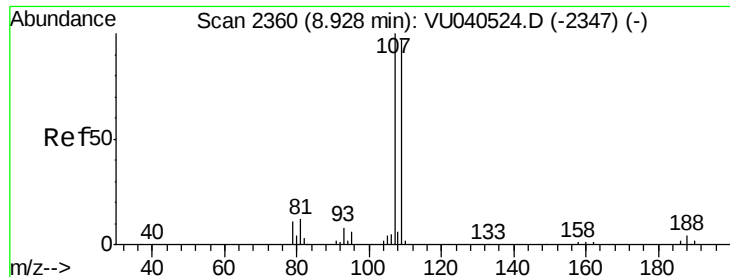
#49
Dibromochloromethane
Concen: 9.860 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion:	129	Resp:	23414
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.9	102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040523.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU040523.D (-2232) (-)

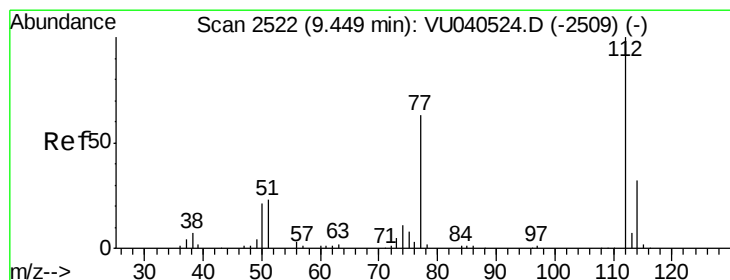
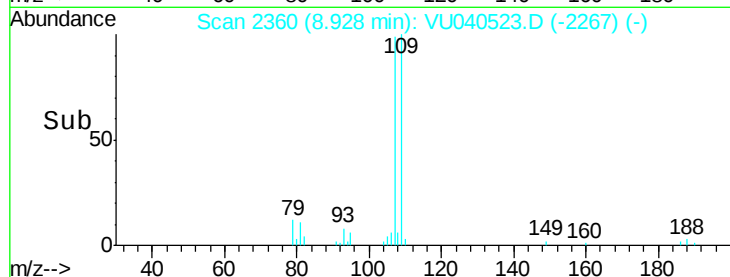
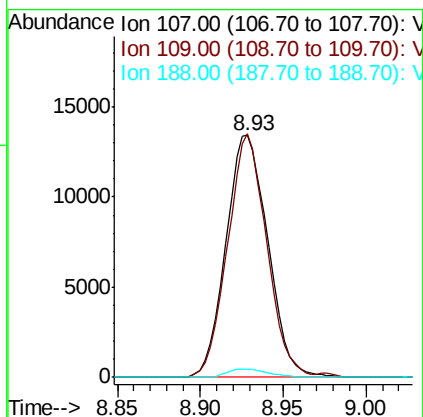
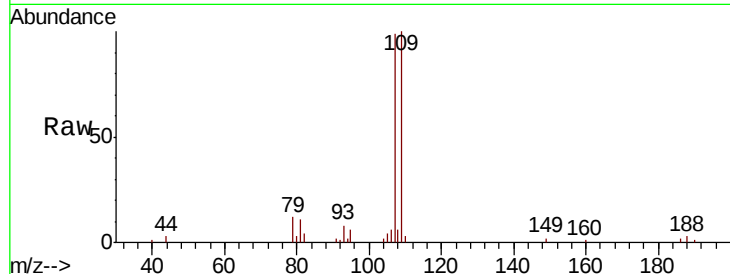




#50
1,2-Dibromoethane
Concen: 10.145 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

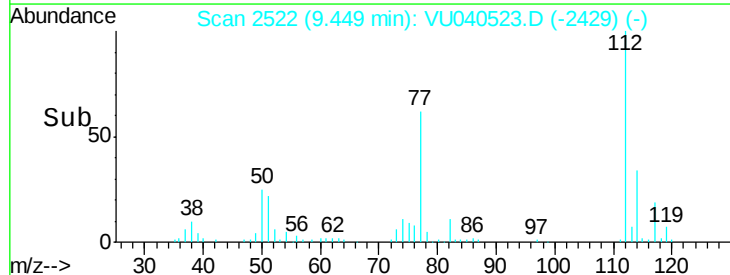
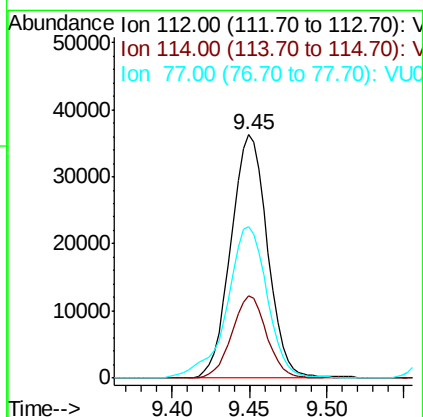
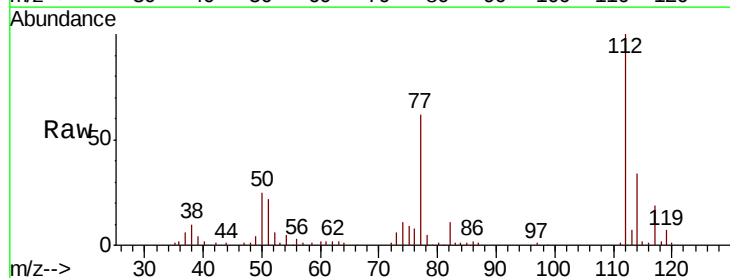
Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

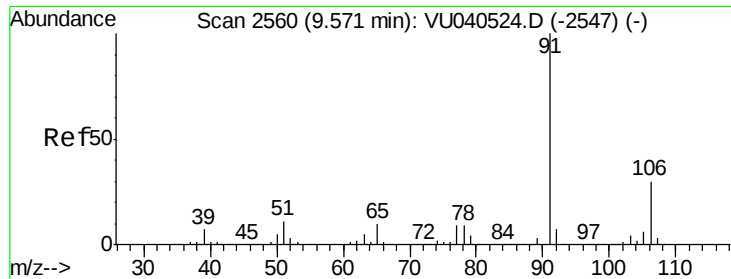
Tot Ion	Ratio	Lower	Upper
107	100		
109	100.7	67.8	125.8
188	3.2	2.8	4.2



#51
Chlorobenzene
Concen: 10.027 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.7	22.1	41.1
77	62.4	50.4	75.6





#52

Ethylbenzene

Concen: 9.441 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

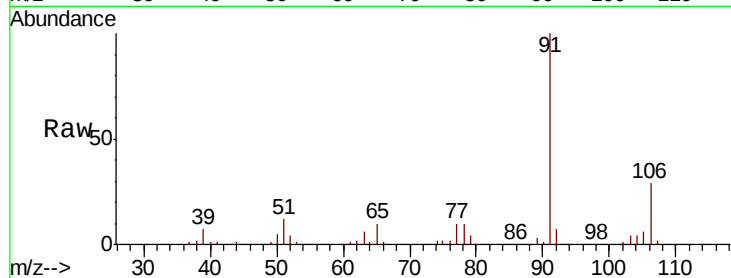
VSTD010203

Tot Ion: 91 Resp: 94279

Ion Ratio Lower Upper

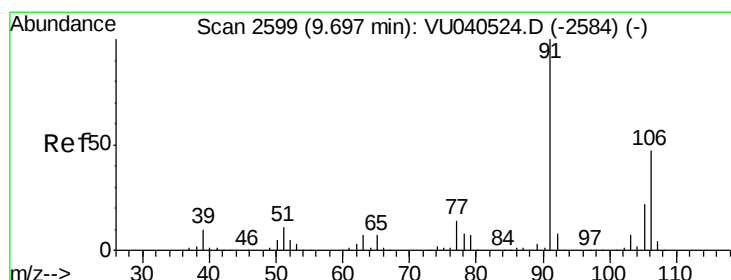
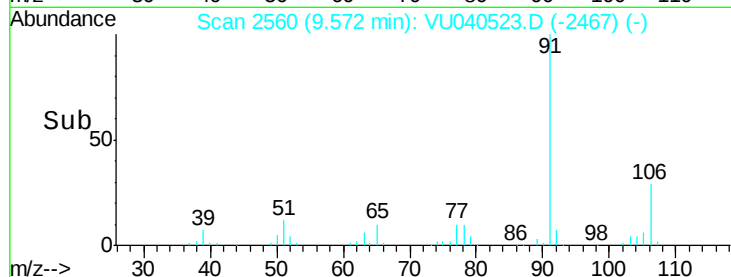
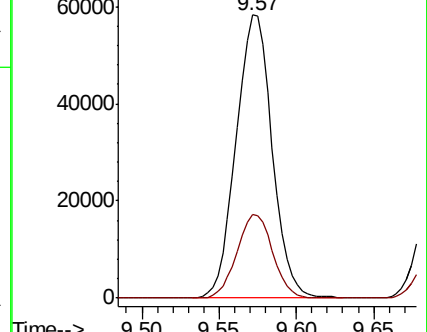
91 100

106 29.4 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040523.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU040523.D (-2547) (-)



#53

m,p-Xylene

Concen: 9.417 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040523.D

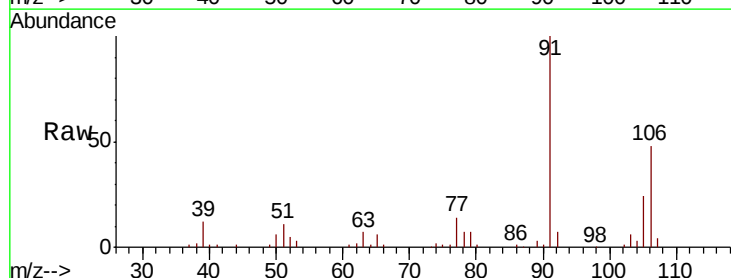
Acq: 06 Oct 2020 13:13

Tgt Ion: 106 Resp: 34201

Ion Ratio Lower Upper

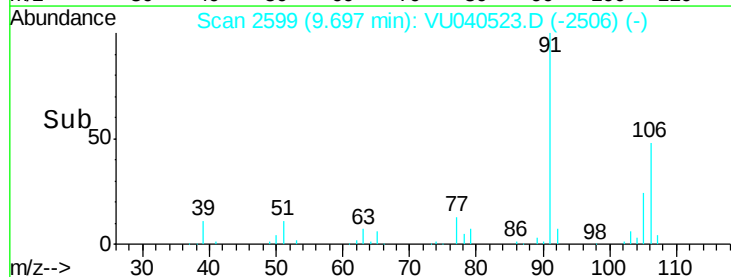
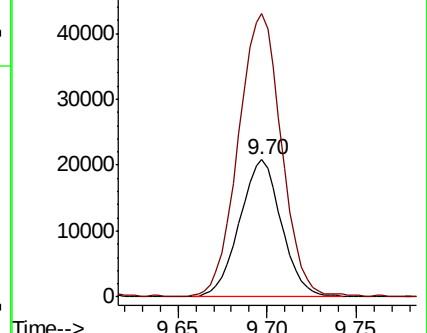
106 100

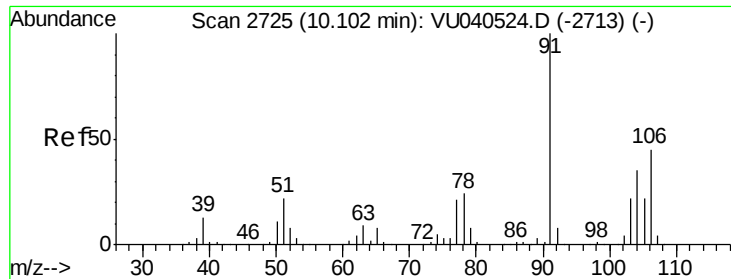
91 206.8 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040523.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040523.D (-2584) (-)

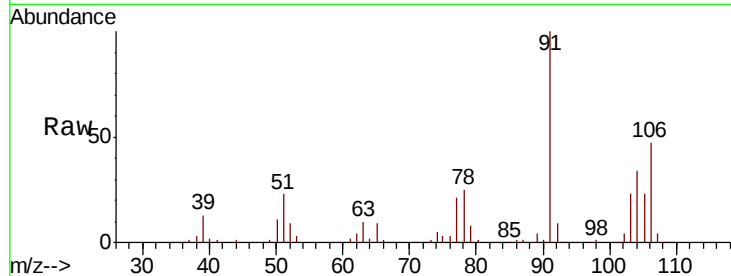




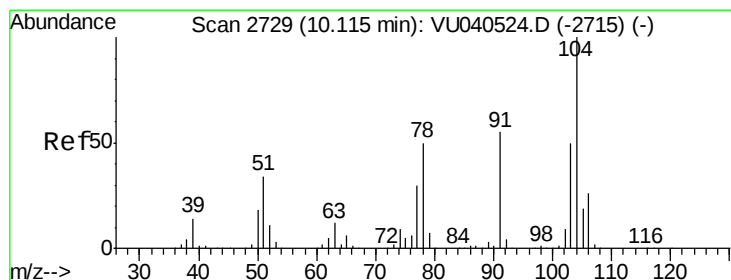
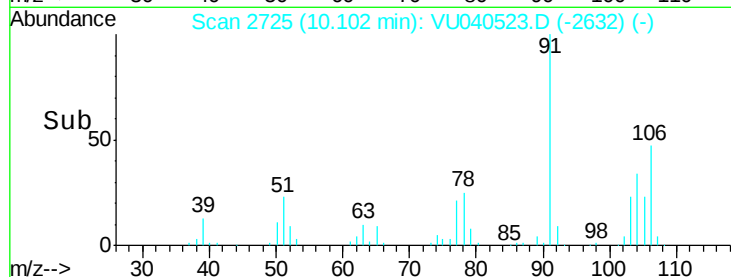
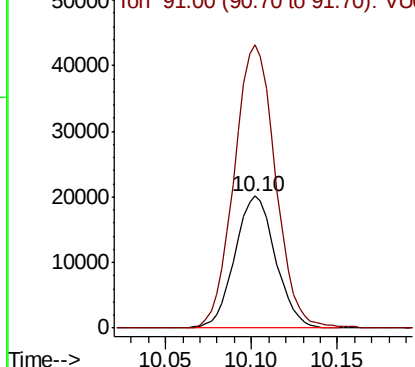
#54
o-xylene
Concen: 9.322 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

Tot Ion:106 Resp: 33091
Ion Ratio Lower Upper
106 100
91 214.3 155.6 289.0

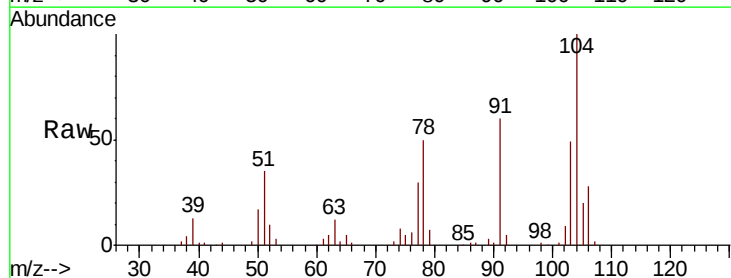


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

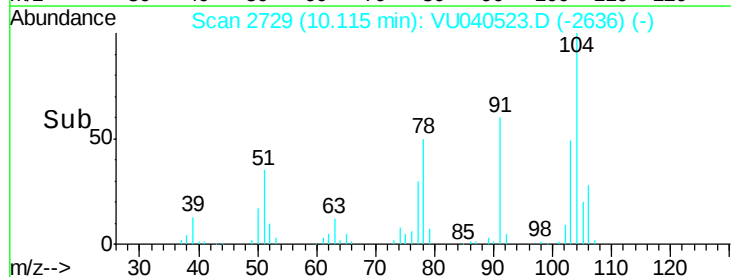
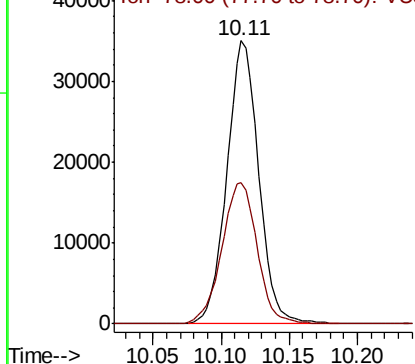


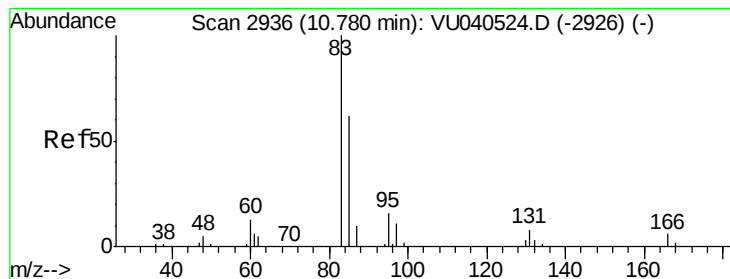
#55
Styrene
Concen: 9.338 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion:104 Resp: 56937
Ion Ratio Lower Upper
104 100
78 50.1 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 10.321 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD010203

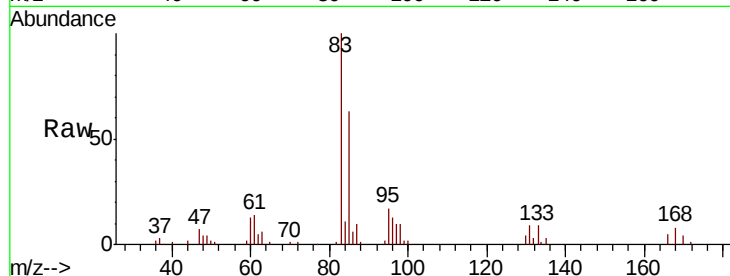
Tot Ion: 83 Resp: 39443

Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.2

131 9.3 7.1 10.7

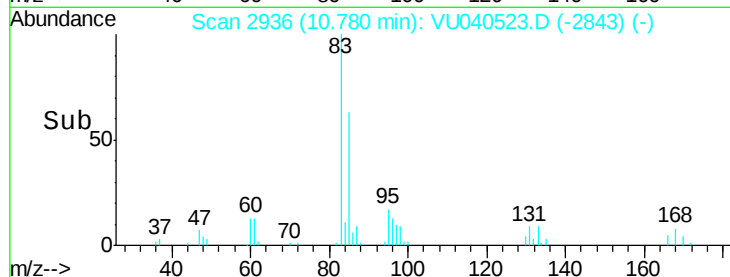


Abundance Ion 83.00 (82.70 to 83.70): VU040523.D (-2843) (-)

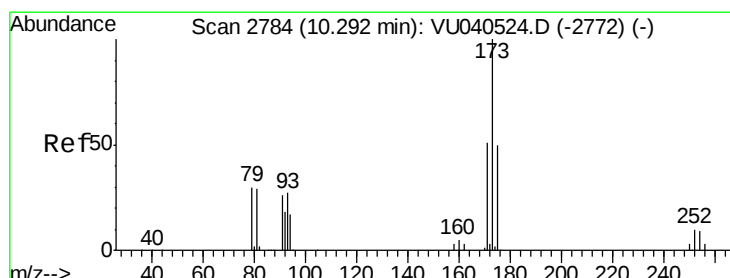
Ion 85.00 (84.70 to 85.70): VU040523.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VU040523.D (-2843) (-)

Time-->



Time-->



#59

Bromoform

Concen: 10.030 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040523.D

Acq: 06 Oct 2020 13:13

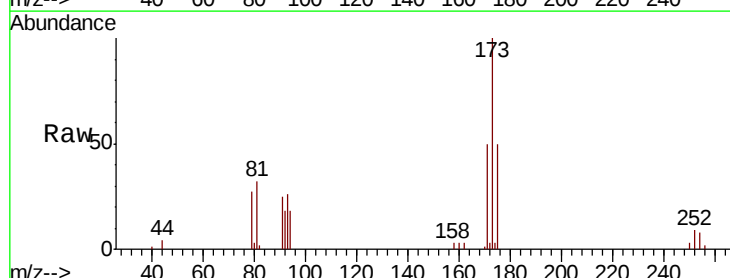
Tgt Ion: 173 Resp: 16658

Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

254 7.6 7.0 10.6

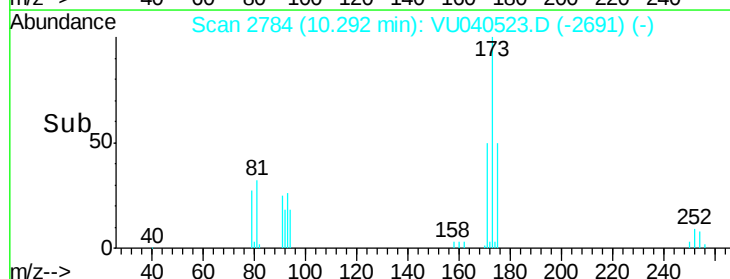


Abundance Ion 173.00 (172.70 to 173.70): VU040523.D (-2691) (-)

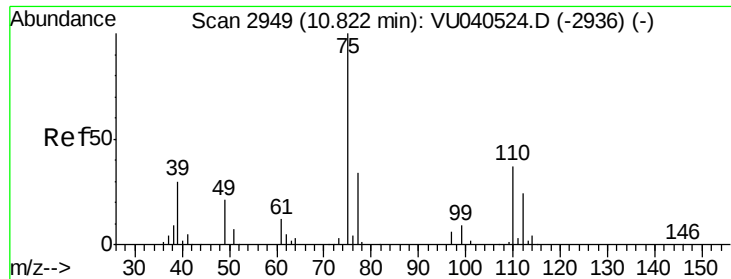
Ion 175.00 (174.70 to 175.70): VU040523.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VU040523.D (-2691) (-)

Time-->



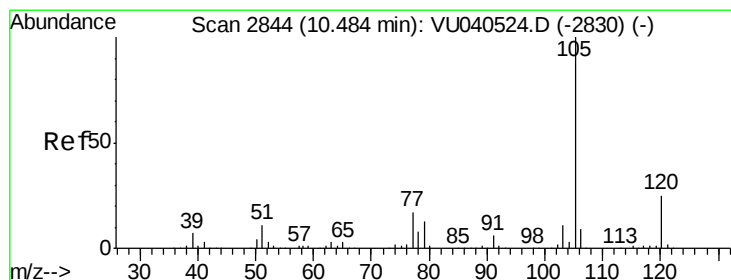
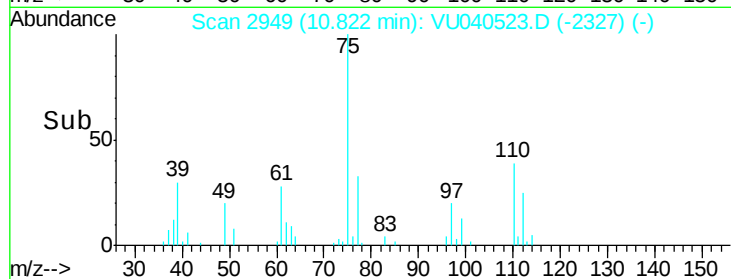
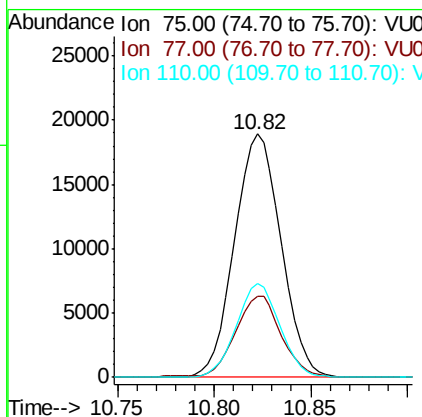
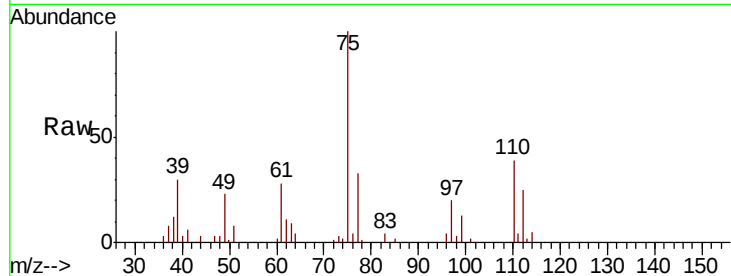
Time-->



#60
 1,2,3-Trichloropropane
 Concen: 9.901 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

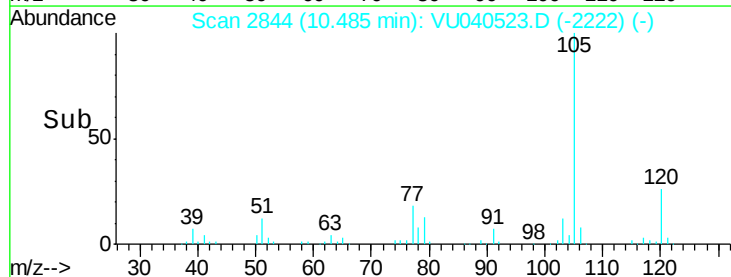
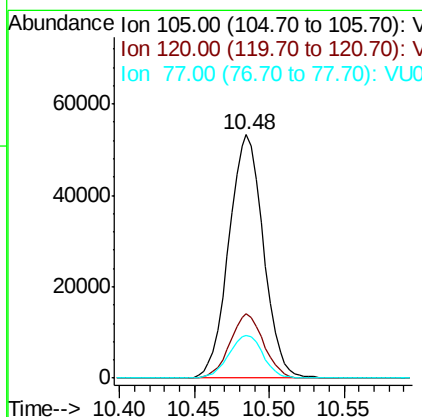
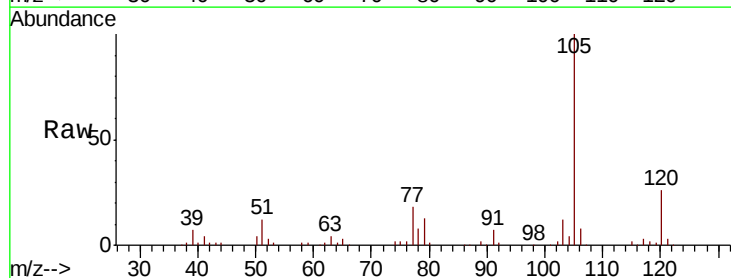
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

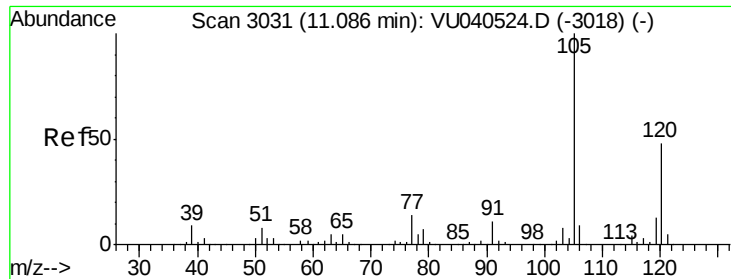
Tot Ion: 75 Resp: 31635
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.4 39.6
 110 36.2 30.1 45.1



#61
 Isopropylbenzene
 Concen: 9.147 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 105 Resp: 85736
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.7 31.1
 77 17.3 13.8 20.8

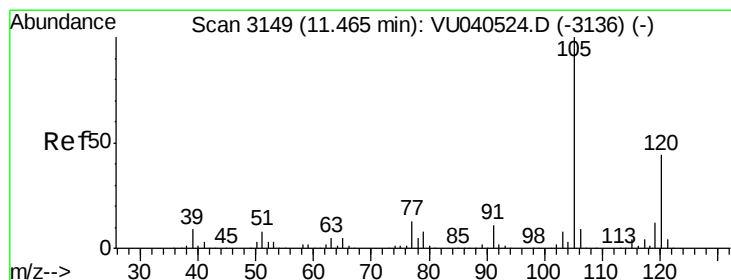
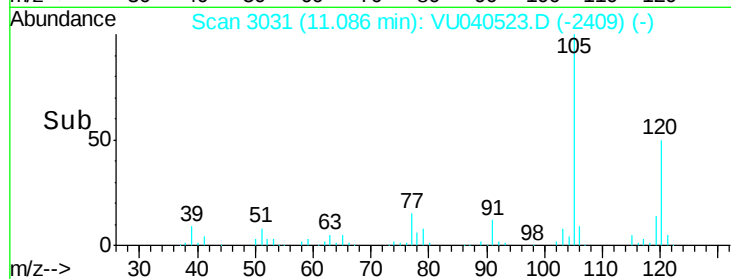
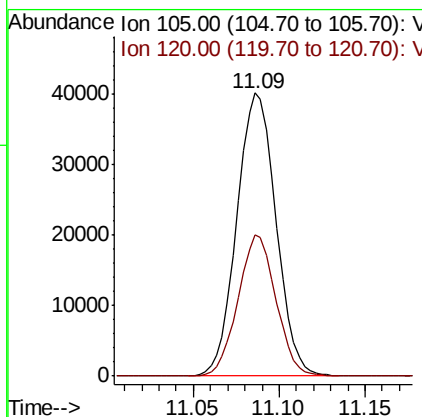
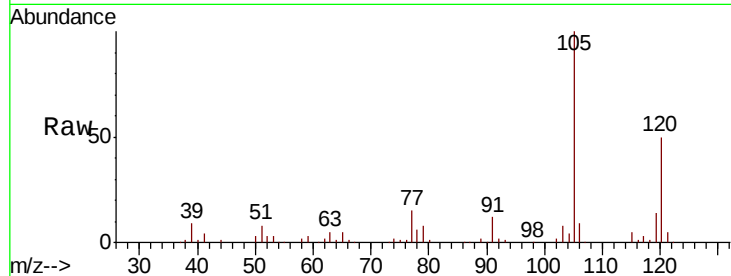




#62
 1,3,5-Trimethylbenzene
 Concen: 8.272 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

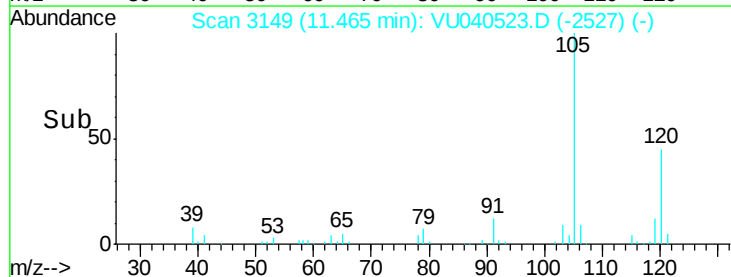
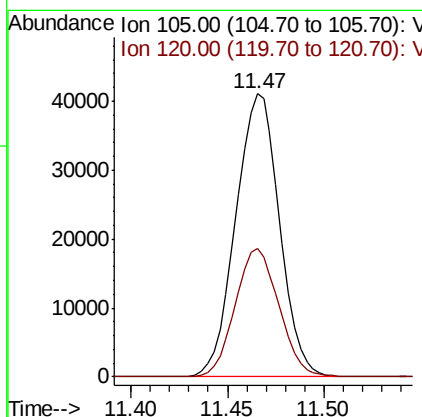
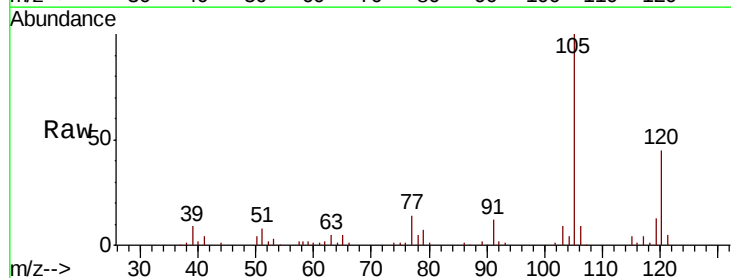
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

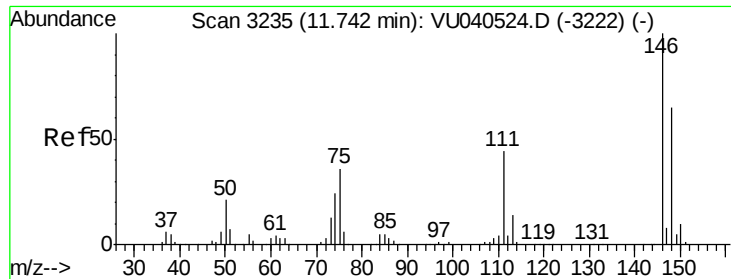
Tot Ion:105 Resp: 63495
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 8.321 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion:105 Resp: 64518
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.7 53.5

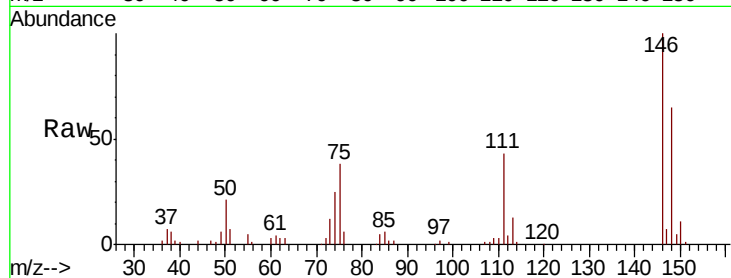




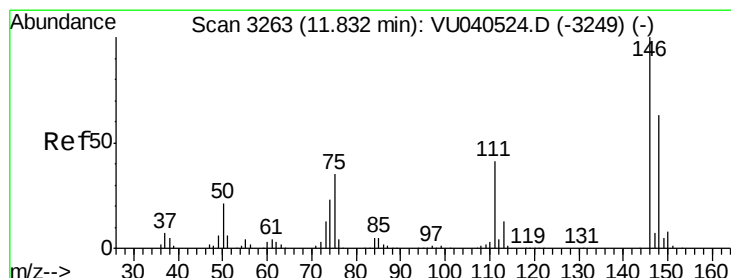
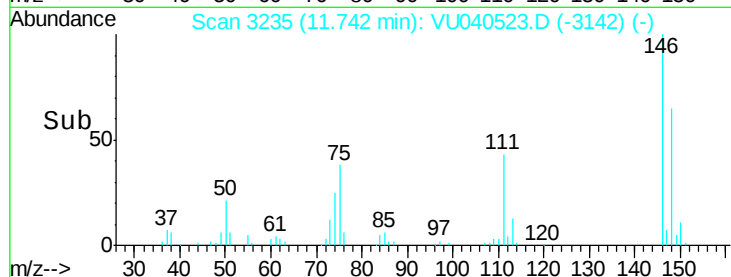
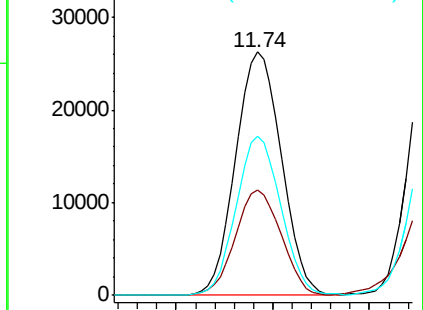
#64
 1,3-Dichlorobenzene
 Concen: 9.710 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

Tot Ion:146 Resp: 43395
 Ion Ratio Lower Upper
 146 100
 111 43.2 30.8 57.2
 148 65.4 45.4 84.2

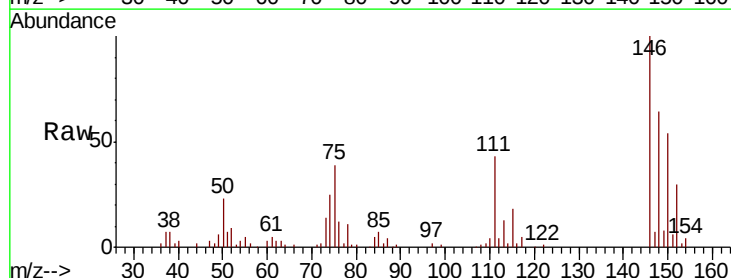


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

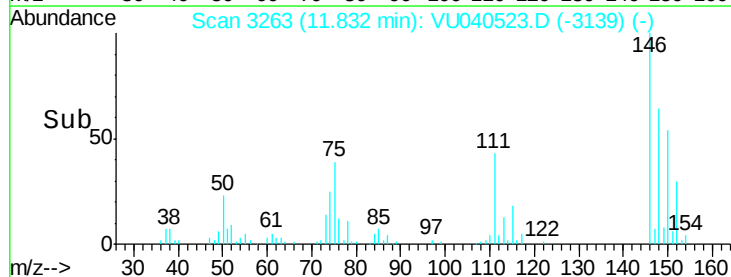
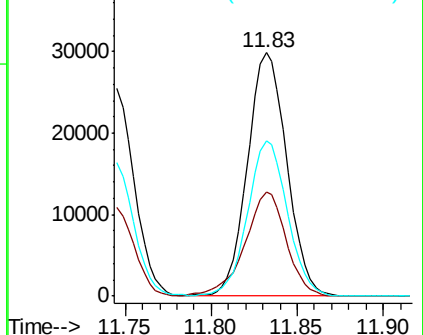


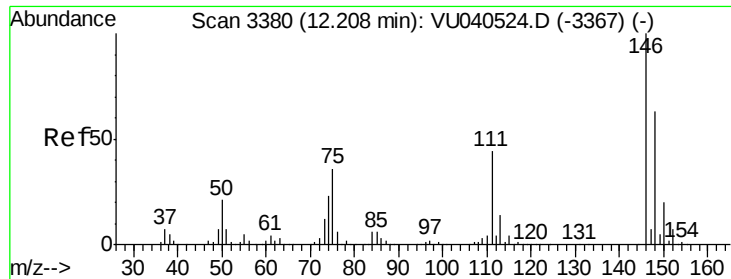
#65
 1,4-Dichlorobenzene
 Concen: 10.207 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion:146 Resp: 47355
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.7 53.3
 148 63.8 44.1 81.9



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

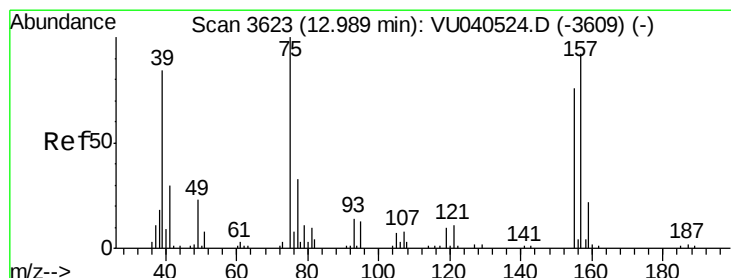
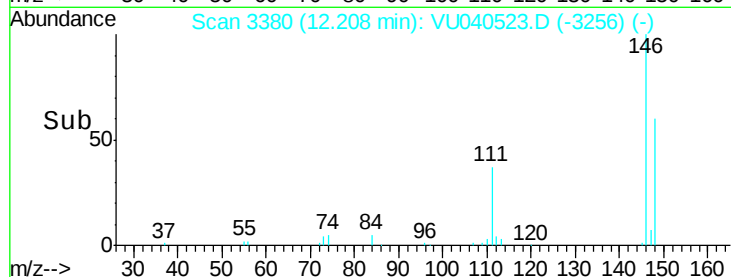
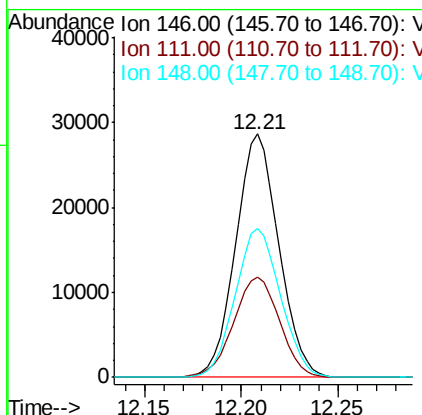
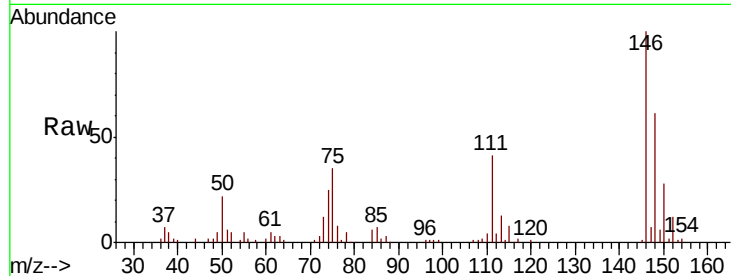




#67
 1,2-Dichlorobenzene
 Concen: 9.980 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

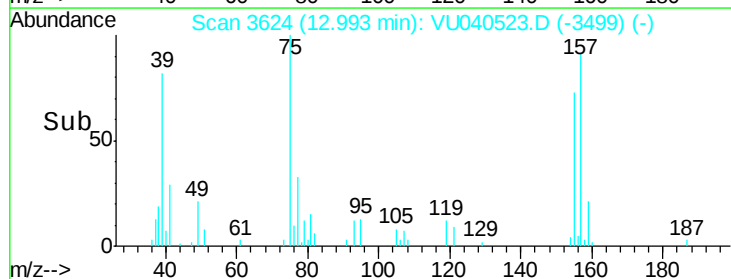
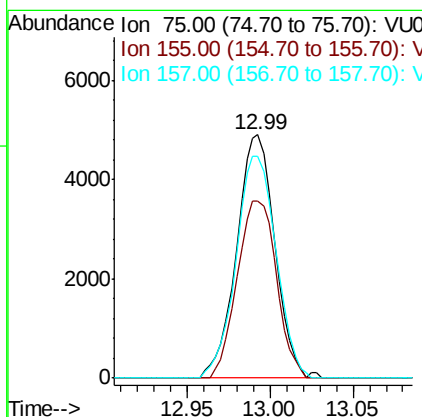
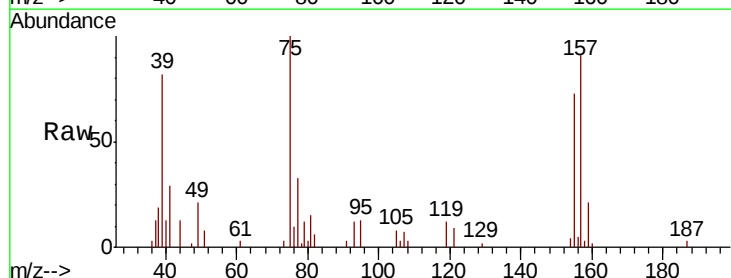
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

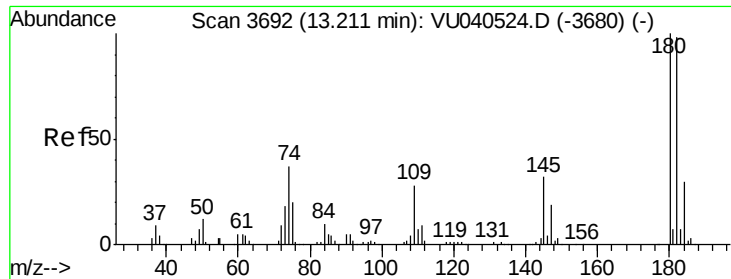
Tot Ion:146 Resp: 44437
 Ion Ratio Lower Upper
 146 100
 111 40.9 35.7 53.5
 148 61.4 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 8.811 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion: 75 Resp: 7872
 Ion Ratio Lower Upper
 75 100
 155 72.6 61.0 91.6
 157 91.3 73.5 110.3

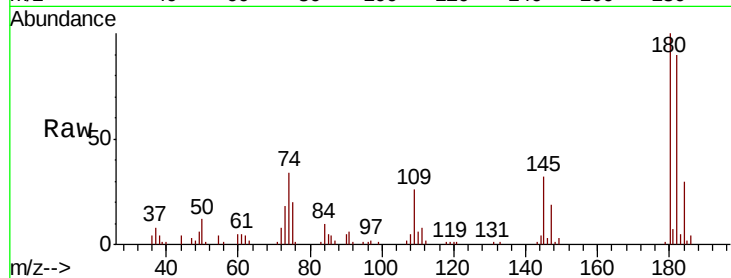




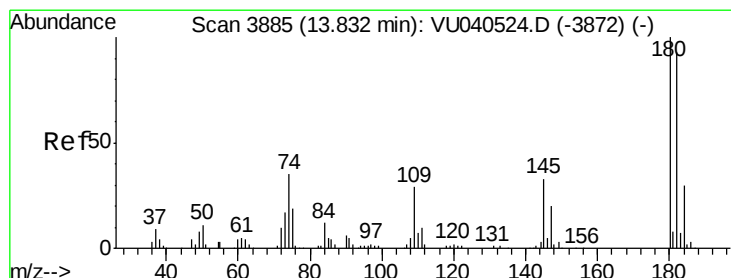
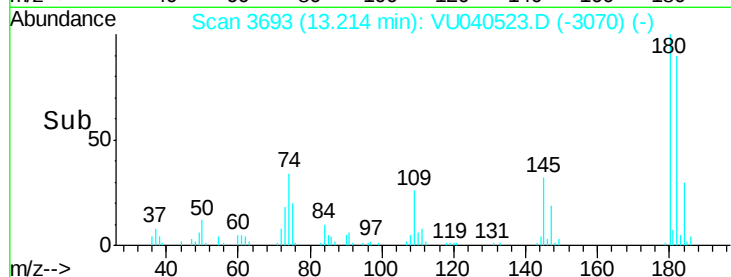
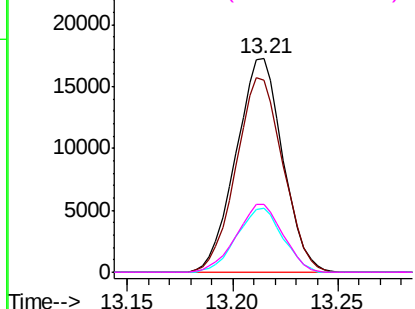
#69
 1,3,5-Trichlorobenzene
 Concen: 9.211 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010203

Tot Ion:180 Resp: 26608
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.9 115.3
 184 29.5 24.2 36.2
 145 31.8 25.4 38.2

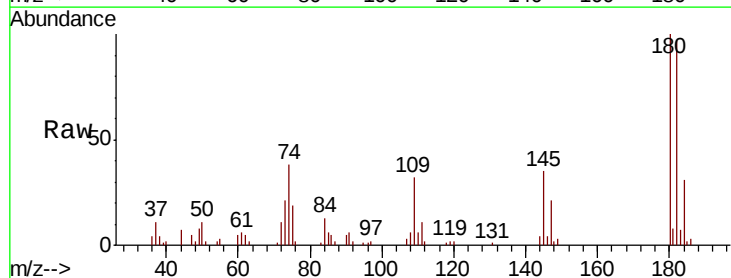


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

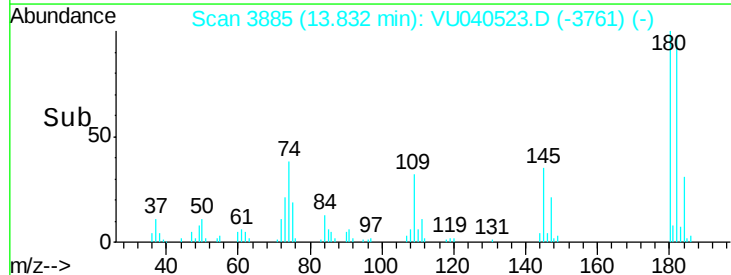
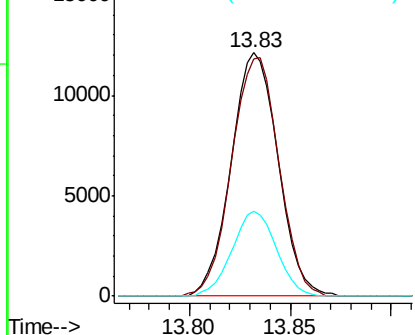


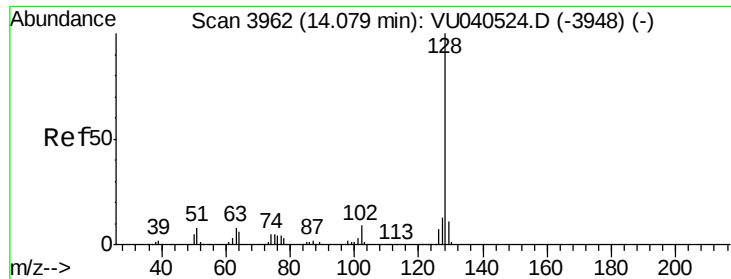
#70
 1,2,4-trichlorobenzene
 Concen: 7.980 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040523.D
 Acq: 06 Oct 2020 13:13

Tgt Ion:180 Resp: 19798
 Ion Ratio Lower Upper
 180 100
 182 98.5 75.0 112.6
 145 32.9 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

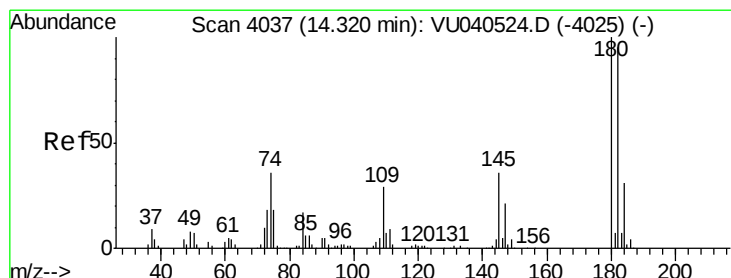
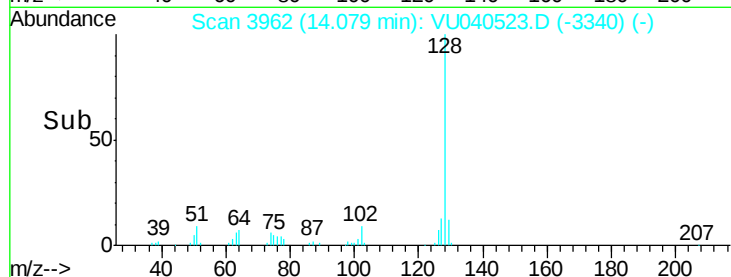
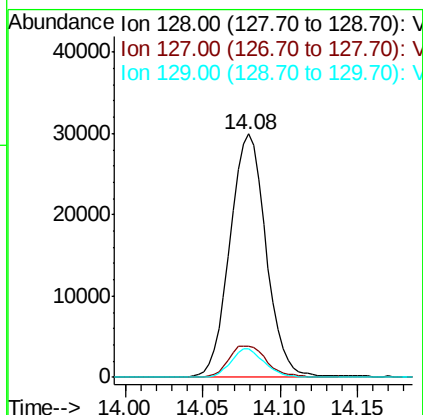
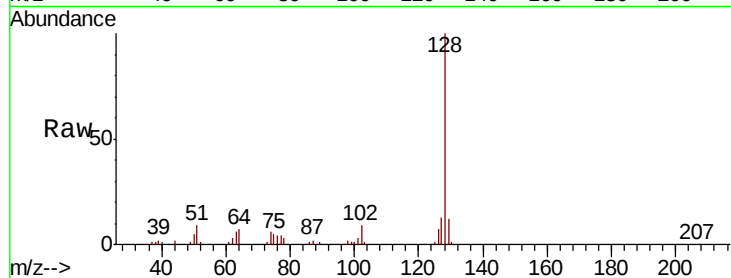




#71
Naphthalene
Concen: 6.461 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD010203

Tot Ion:128 Resp: 48497
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 8.468 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040523.D
Acq: 06 Oct 2020 13:13

Tgt Ion:180 Resp: 20397
Ion Ratio Lower Upper
180 100
182 96.5 77.7 116.5
145 35.5 28.4 42.6

