

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040524.D
 Acq On : 06 Oct 2020 13:35
 Operator : SY/MD
 Sample : VSTD05034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

Quant Time: Oct 07 07:37:26 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	279616	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	277799	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	143061	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	122243	51.55	ug/L	0.00
7) Chloroethane-d5	1.92	69	95140	53.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	232050	50.91	ug/L	0.00
21) 2-Butanone-d5	4.64	46	194001	99.28	ug/L	0.00
24) Chloroform-d	5.08	84	217304	51.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	148671	50.38	ug/L	0.00
32) Benzene-d6	5.74	84	412481	52.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	137786	51.35	ug/L	0.00
41) Toluene-d8	7.91	98	376033	52.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	69036	50.77	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	132188	110.64	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	190461	50.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	142281	51.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	131515	62.147	ug/L 100
3) Chloromethane	1.53	50	136199	55.142	ug/L 100
5) Vinyl chloride	1.61	62	136990	55.510	ug/L 100
6) Bromomethane	1.86	94	70466	54.029	ug/L 100
8) Chloroethane	1.94	64	83618	53.180	ug/L 100
9) Trichlorofluoromethane	2.15	101	175763	52.153	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	105939	49.921	ug/L 100
12) 1,1-Dichloroethene	2.59	96	97749	49.480	ug/L 100
13) Acetone	2.63	43	184273	91.179	ug/L 100
14) Carbon disulfide	2.81	76	330959	51.989	ug/L 100
15) Methyl Acetate	2.96	43	149546	48.459	ug/L 100
16) Methylene chloride	3.06	84	112591	48.312	ug/L 100
17) trans-1,2-Dichloroethene	3.37	96	103140	50.489	ug/L 100
18) Methyl tert-butyl Ether	3.38	73	331243	49.642	ug/L 100
19) 1,1-Dichloroethane	3.89	63	208198	48.920	ug/L 100
20) cis-1,2-Dichloroethene	4.69	96	113787	50.870	ug/L 100
22) 2-Butanone	4.72	43	235680	97.584	ug/L 100
23) Bromochloromethane	4.99	128	57694	49.299	ug/L 100
25) Chloroform	5.11	83	212134	49.315	ug/L 100
27) 1,2-Dichloroethane	5.81	62	175268	48.039	ug/L 100
29) Cyclohexane	5.41	56	192797	51.019	ug/L 100
30) 1,1,1-Trichloroethane	5.33	97	177539	49.549	ug/L 100
31) Carbon tetrachloride	5.54	117	155274	49.847	ug/L 100
33) Benzene	5.79	78	452278	50.008	ug/L 100
34) Trichloroethene	6.56	95	113863	49.139	ug/L 100
35) Methylcyclohexane	6.77	83	176411	49.773	ug/L 100
37) 1,2-Dichloropropane	6.80	63	123456	48.615	ug/L 100
38) Bromodichloromethane	7.12	83	157834	48.952	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	183778	50.292	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	388353	95.718	ug/L 100

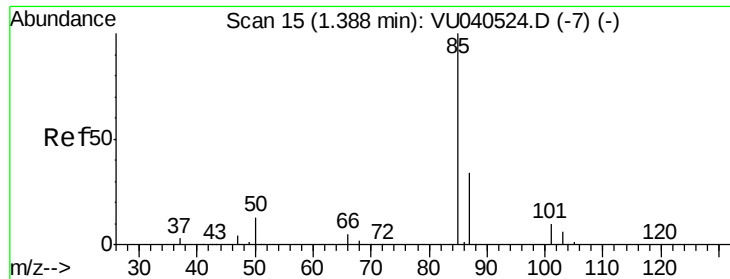
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	472051	51.576	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	184176	49.690	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	112080	50.476	ug/L	100
46) Tetrachloroethene	8.56	164	81827	50.210	ug/L	100
48) 2-Hexanone	8.69	43	321910	99.039	ug/L	100
49) Dibromochloromethane	8.82	129	120179	49.636	ug/L	100
50) 1,2-Dibromoethane	8.93	107	115775	48.912	ug/L	100
51) Chlorobenzene	9.45	112	298454	49.234	ug/L	100
52) Ethylbenzene	9.57	91	516645	50.738	ug/L	100
53) m,p-Xylene	9.70	106	192541	51.995	ug/L	100
54) o-xylene	10.10	106	187808	51.890	ug/L	100
55) Styrene	10.11	104	334289	53.768	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	191259	49.082	ug/L	100
59) Bromoform	10.29	173	85150	49.212	ug/L	100
60) 1,2,3-Trichloropropane	10.82	75	156573	47.035	ug/L	100
61) Isopropylbenzene	10.48	105	490725	50.253	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	414470	51.829	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	423370	52.410	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	227650	48.893	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	236057	48.837	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	228765	49.317	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.99	75	43202	46.414	ug/L	100
69) 1,3,5-Trichlorobenzene	13.21	180	150735	50.088	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	128714	49.798	ug/L	100
71) Naphthalene	14.08	128	401919	51.396	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	125929	50.183	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 62.147 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

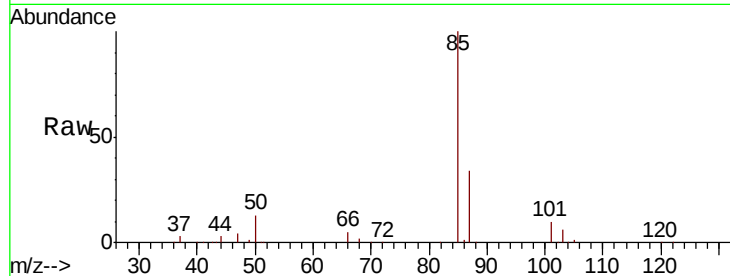
VSTD050204

Tot Ion: 85 Resp: 131515

Ion Ratio Lower Upper

85 100

87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

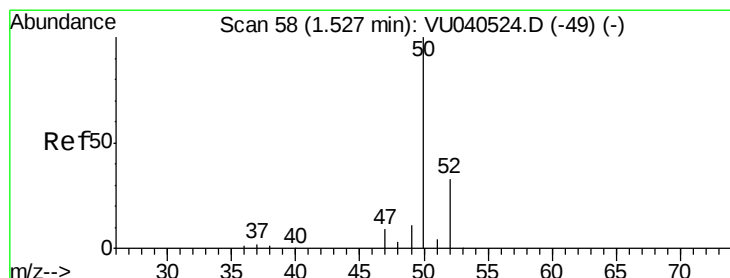
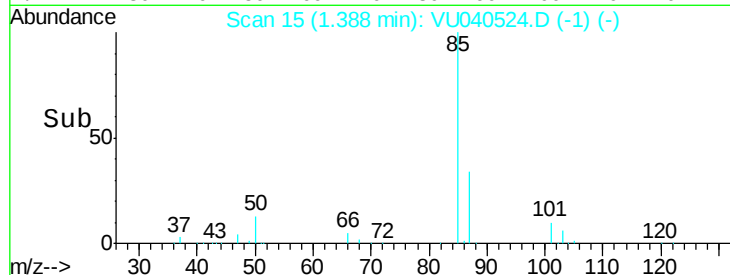
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 55.142 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040524.D

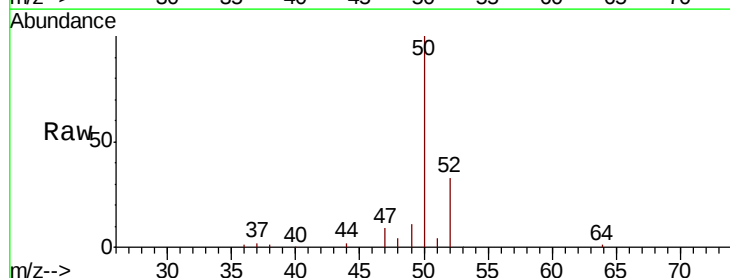
Acq: 06 Oct 2020 13:35

Tgt Ion: 50 Resp: 136199

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.53

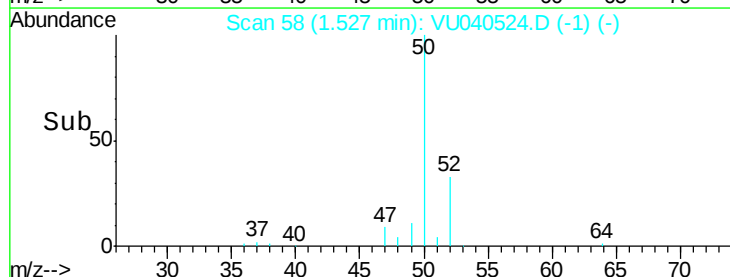
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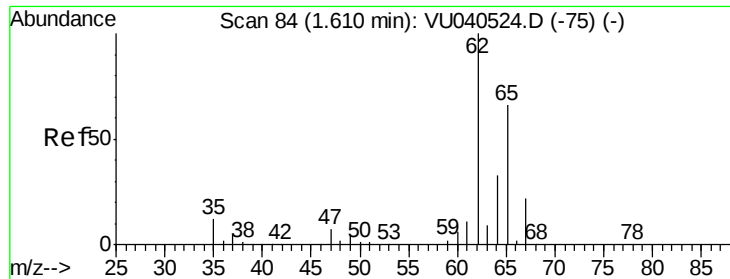
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 55.510 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

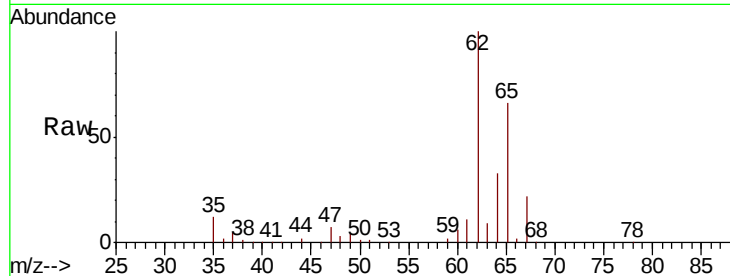
VSTD050204

Tot Ion: 62 Resp: 136990

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU040524.D (-75) (-)

Ion 64.00 (63.70 to 64.70): VU040524.D (-75) (-)

150000

100000

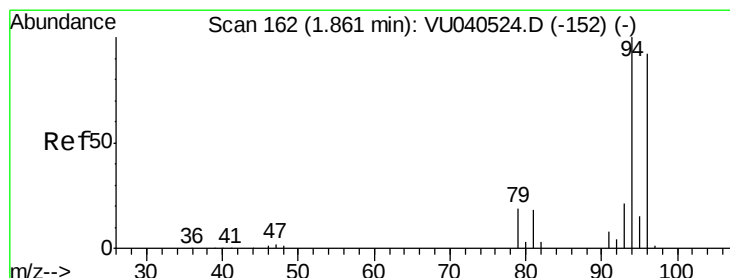
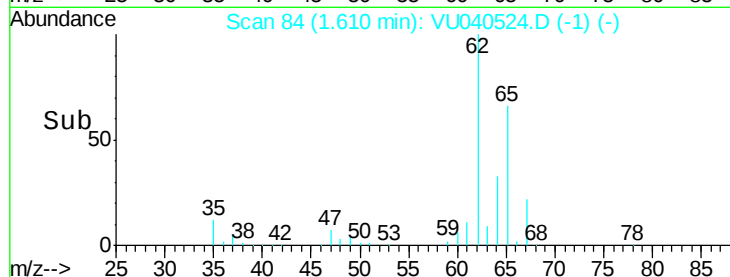
50000

0

1.61

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 54.029 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040524.D

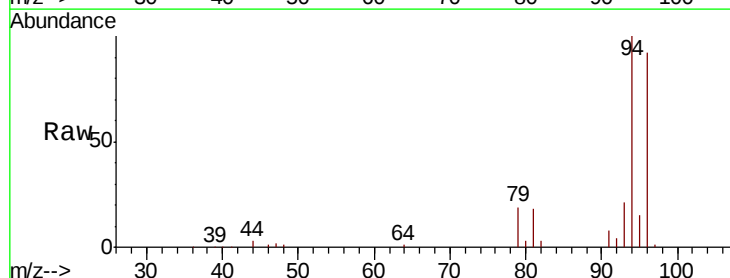
Acq: 06 Oct 2020 13:35

Tgt Ion: 94 Resp: 70466

Ion Ratio Lower Upper

94 100

96 92.0 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU040524.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU040524.D (-152) (-)

60000

50000

40000

30000

20000

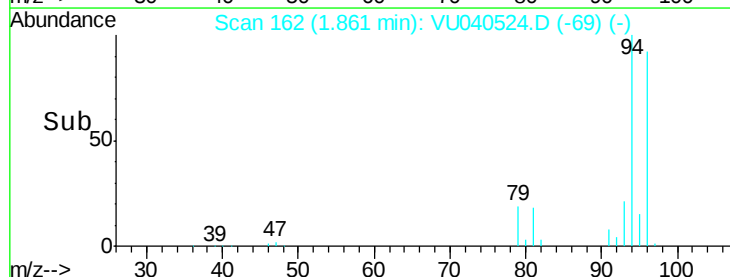
10000

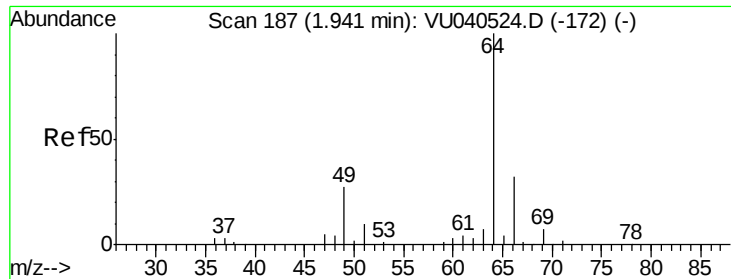
0

1.86

1.80 1.85 1.90

Time-->





#8

Chloroethane

Concen: 53.180 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

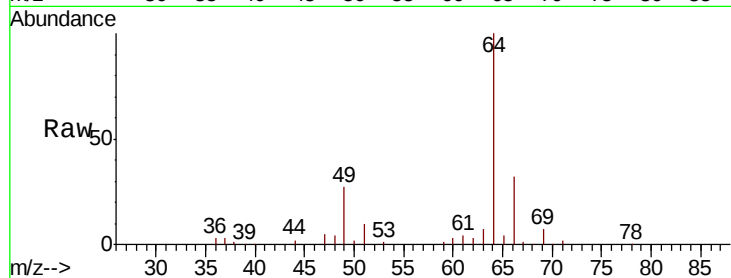
VSTD050204

Tot Ion: 64 Resp: 83618

Ion Ratio Lower Upper

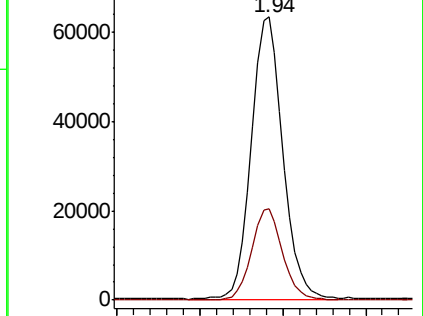
64 100

66 32.2 22.5 41.9

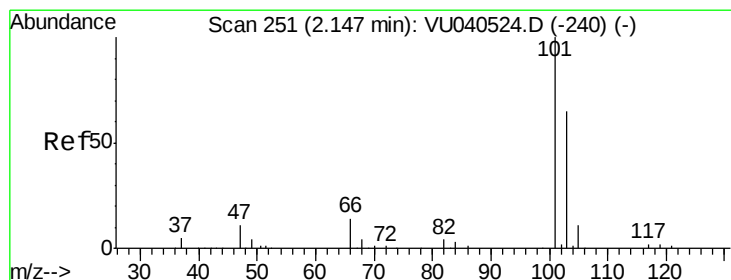
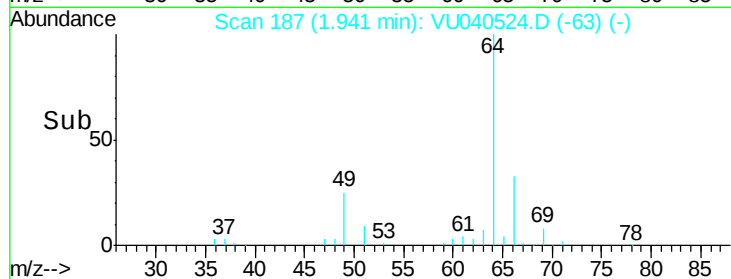


Abundance Ion 64.00 (63.70 to 64.70): VU040524.D (-172) (-)

Ion 66.00 (65.70 to 66.70): VU040524.D (-172) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 52.153 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040524.D

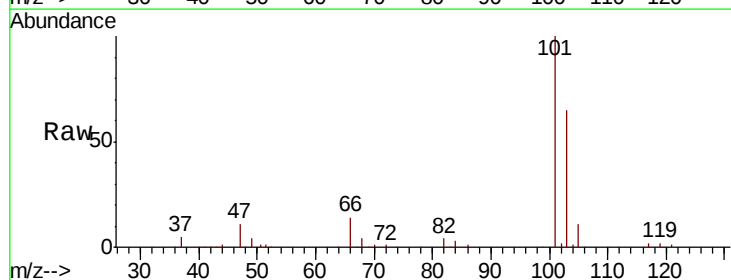
Acq: 06 Oct 2020 13:35

Tgt Ion:101 Resp: 175763

Ion Ratio Lower Upper

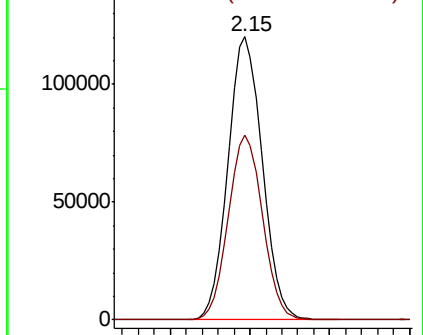
101 100

103 65.1 52.1 78.1

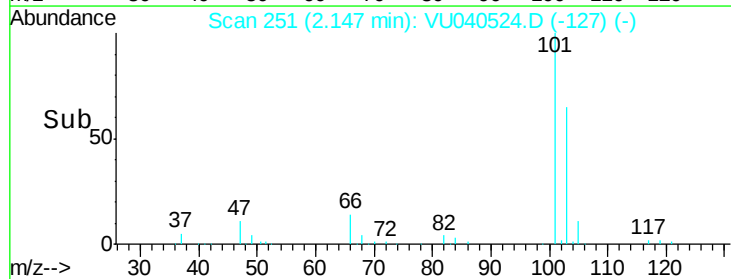


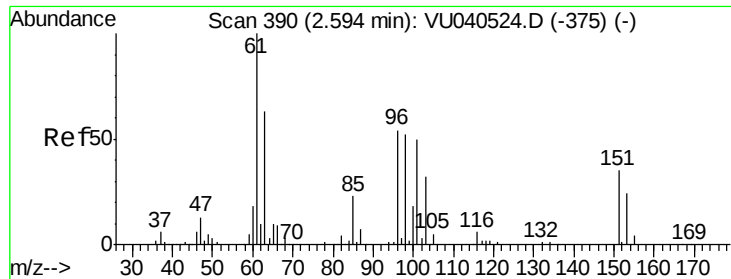
Abundance Ion 101.00 (100.70 to 101.70): VU040524.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040524.D (-240) (-)



Time-->





#10

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

Concen: 49.921 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050204

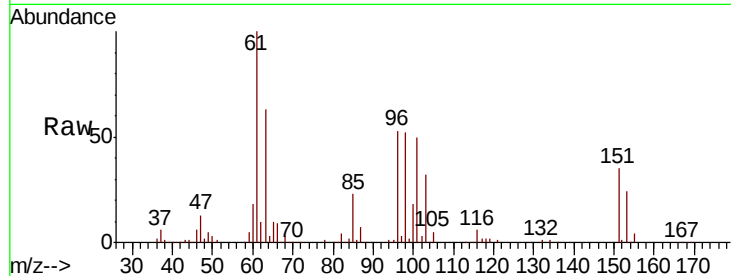
Tot Ion:101 Resp: 105939

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.2

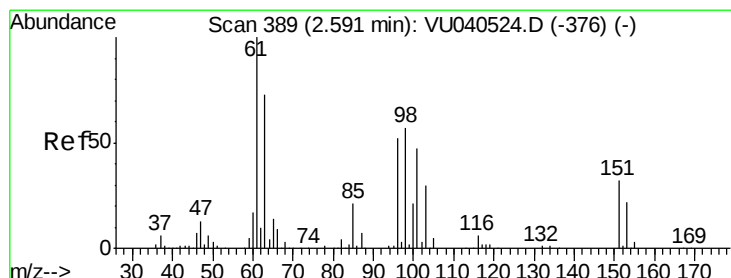
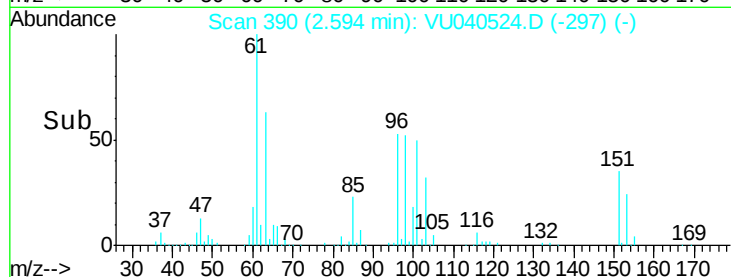
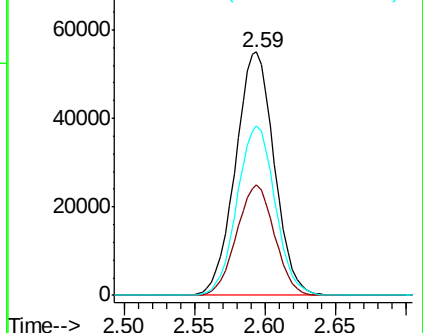
151 68.5 54.8 82.2



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: 49.480 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

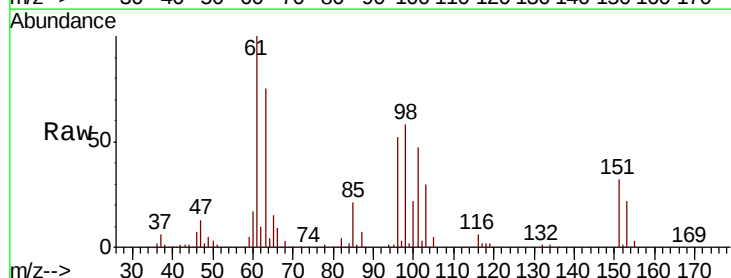
Tgt Ion: 96 Resp: 97749

Ion Ratio Lower Upper

96 100

61 192.9 135.0 250.8

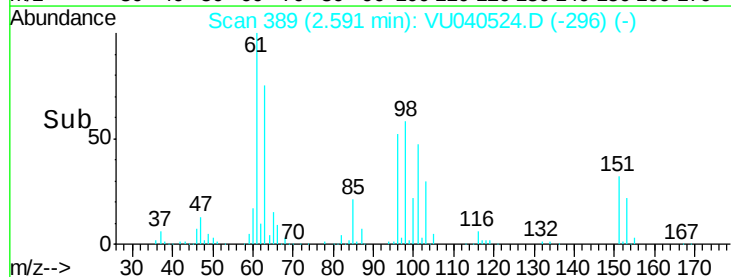
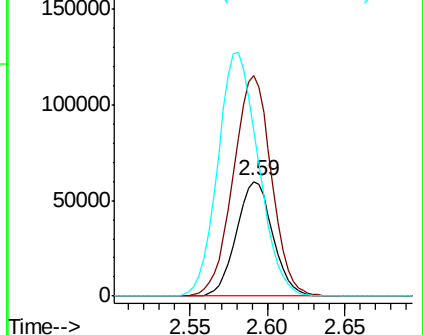
63 144.8 101.4 188.2

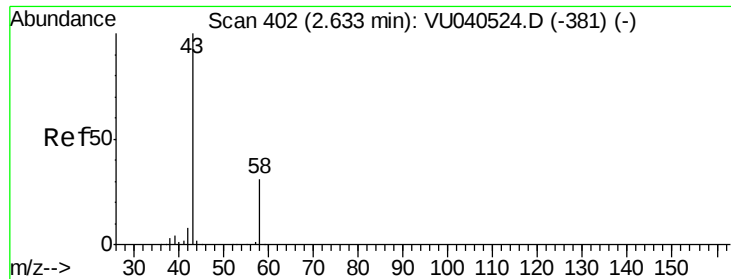


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.179 ug/L

RT: 2.63 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

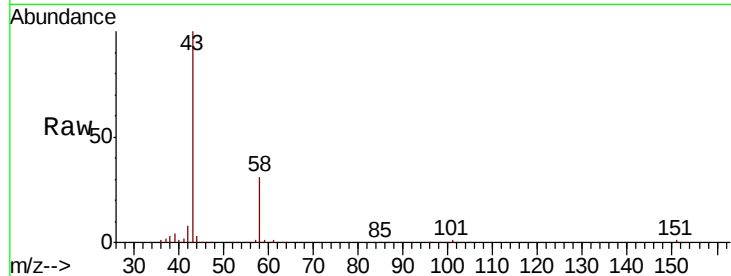
VSTD050204

Tot Ion: 43 Resp: 184273

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.63

120000

100000

80000

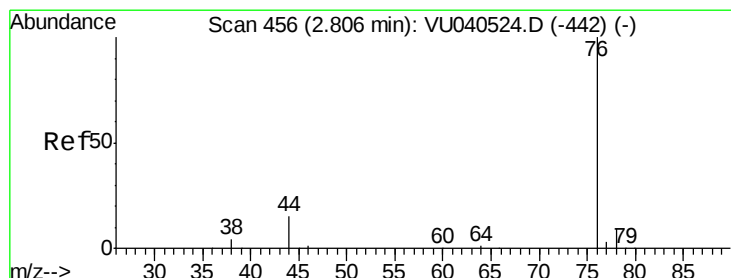
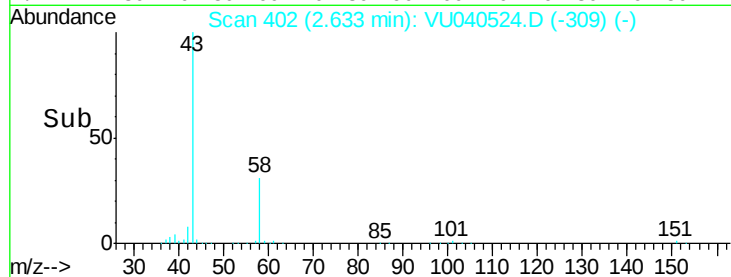
60000

40000

20000

0

Time--> 2.50 2.60 2.70



#14

Carbon disulfide

Concen: 51.989 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040524.D

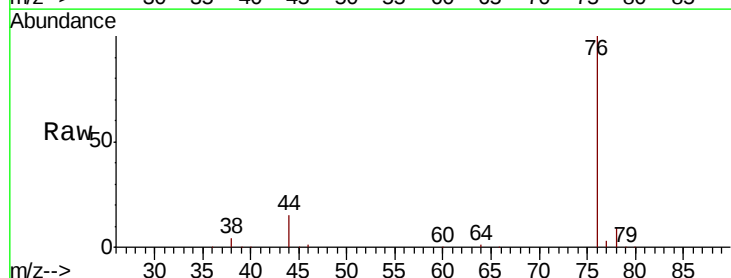
Acq: 06 Oct 2020 13:35

Tgt Ion: 76 Resp: 330959

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

200000

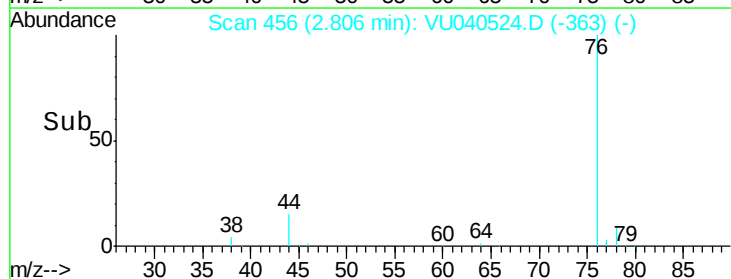
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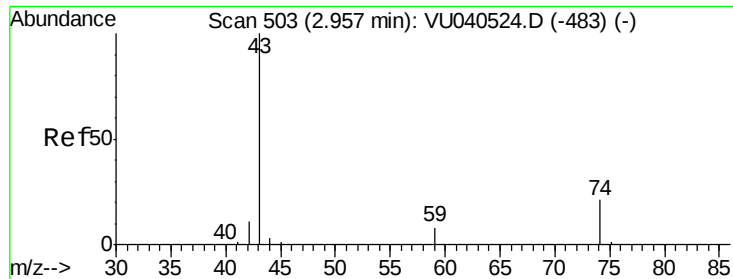
100000

50000

0

Time--> 2.70 2.80 2.90

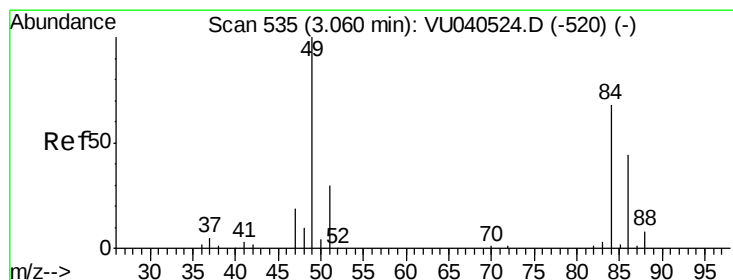
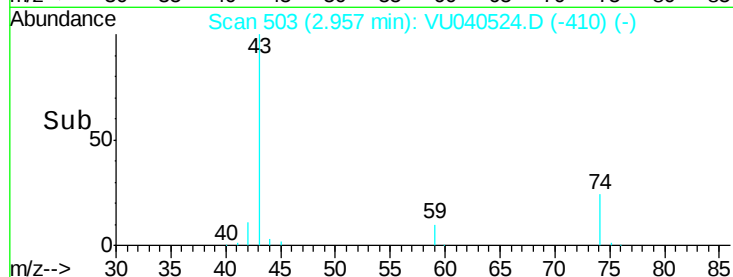
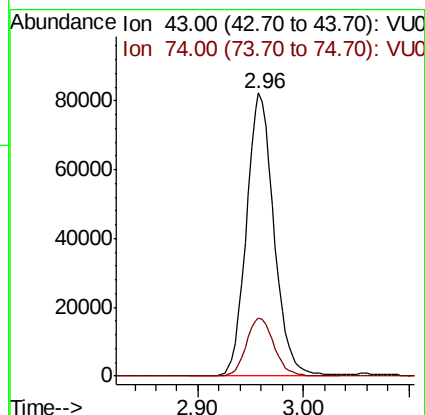
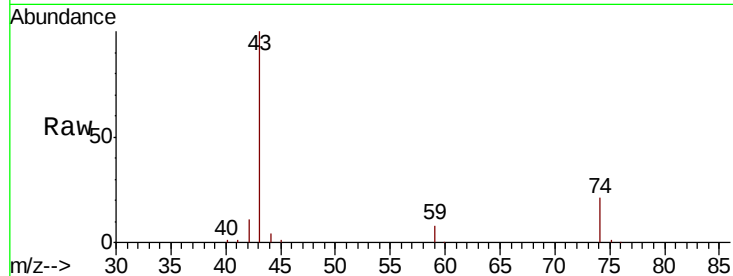




#15
Methvl Acetate
Concen: 48.459 ug/L
RT: 2.96 min Scan# 503
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

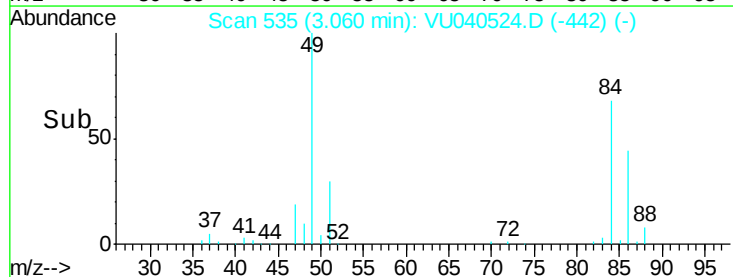
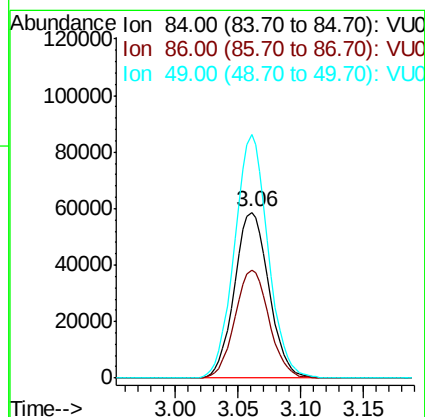
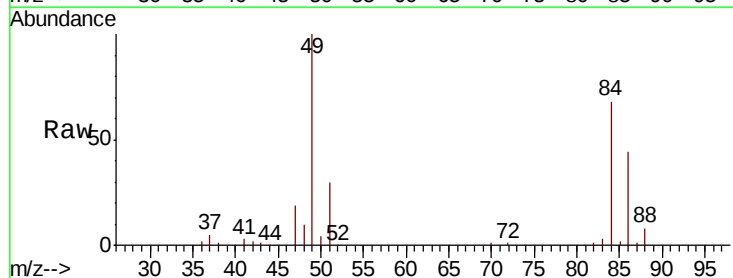
Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

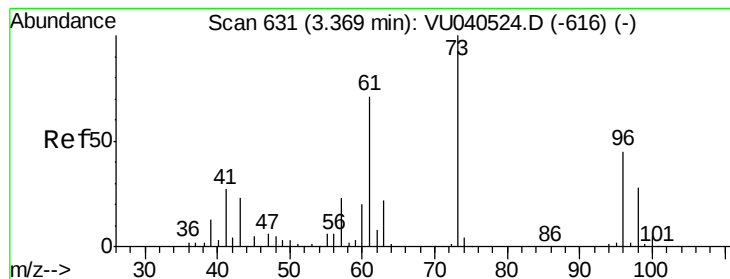
Tot Ion: 43 Resp: 149546
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6



#16
Methylene chloride
Concen: 48.312 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 84 Resp: 112591
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 147.0 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 50.489 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050204

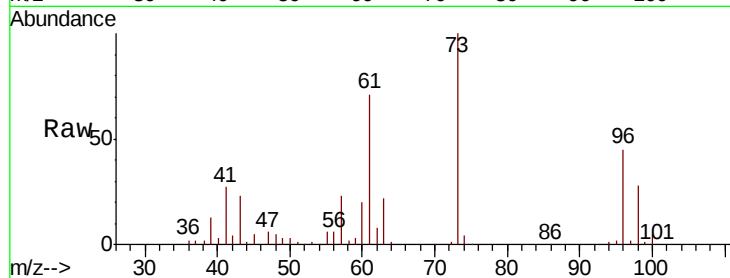
Tot Ion: 96 Resp: 103140

Ion Ratio Lower Upper

96 100

61 156.6 109.6 203.6

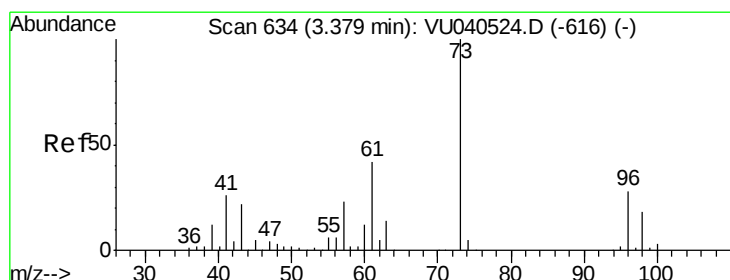
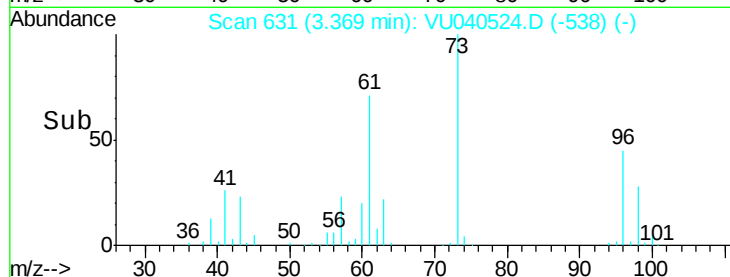
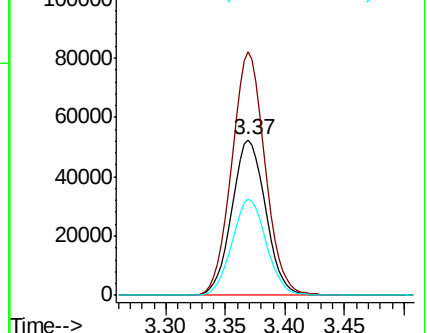
98 61.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040524.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040524.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040524.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 49.642 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

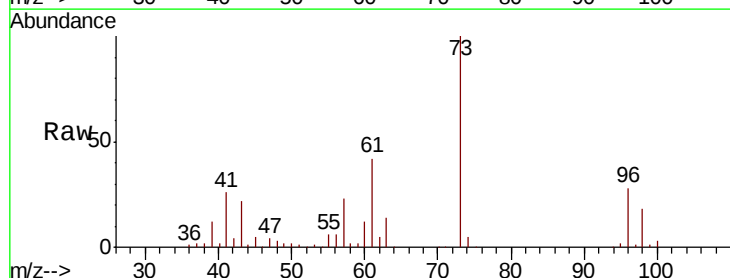
Tgt Ion: 73 Resp: 331243

Ion Ratio Lower Upper

73 100

43 22.7 18.2 27.2

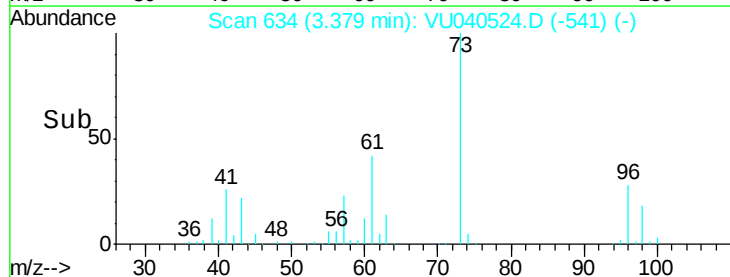
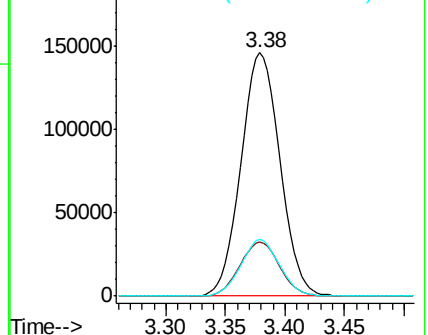
57 23.1 18.5 27.7

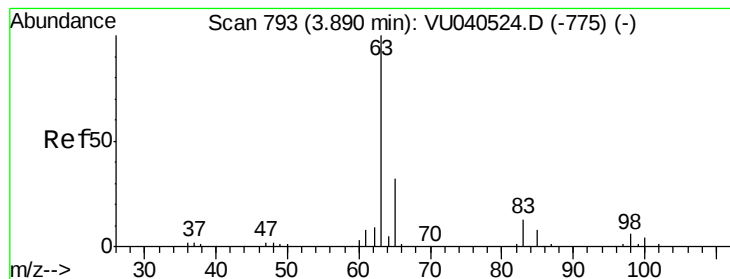


Abundance Ion 73.00 (72.70 to 73.70): VU040524.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040524.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040524.D (-541) (-)





#19

1,1-Dichloroethane

Concen: 48.920 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050204

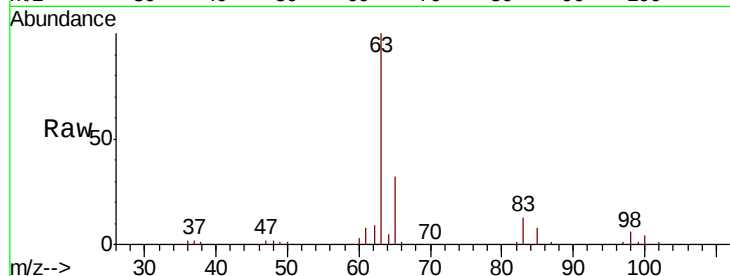
Tot Ion: 63 Resp: 208198

Ion Ratio Lower Upper

63 100

65 32.3 22.6 42.0

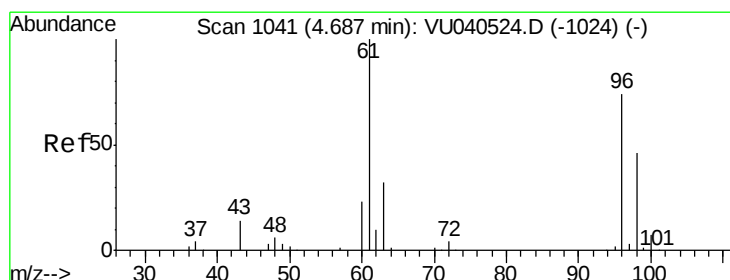
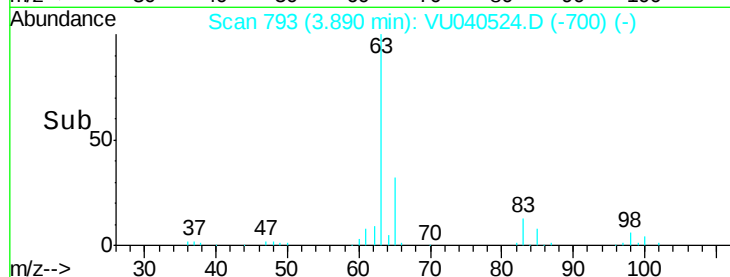
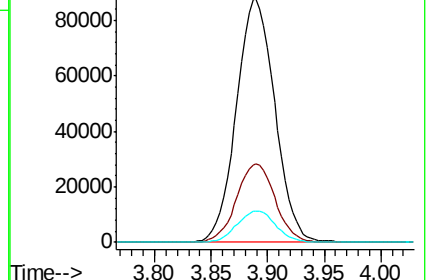
83 13.0 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU040524.D (-775) (-)

Ion 65.00 (64.70 to 65.70): VU040524.D (-775) (-)

Ion 83.00 (82.70 to 83.70): VU040524.D (-775) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.870 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

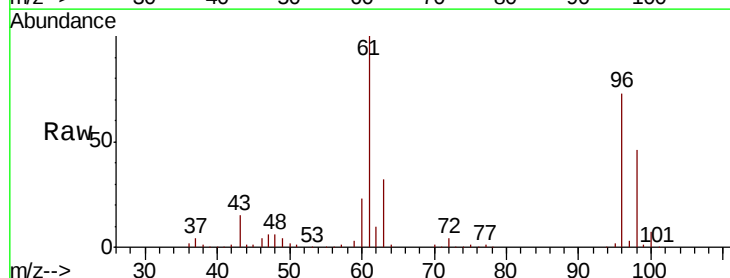
Tgt Ion: 96 Resp: 113787

Ion Ratio Lower Upper

96 100

61 136.7 95.7 177.7

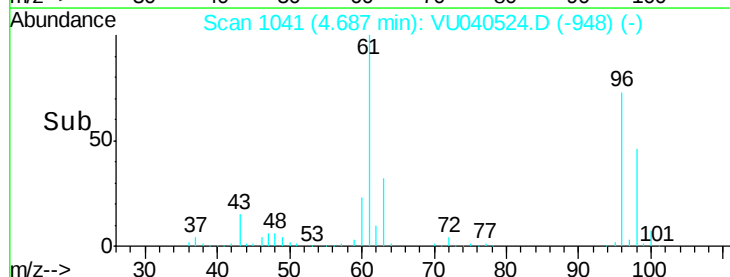
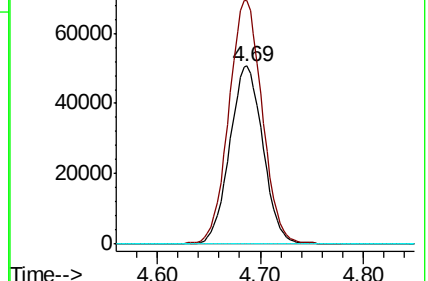
68 0.0 0.0 0.0

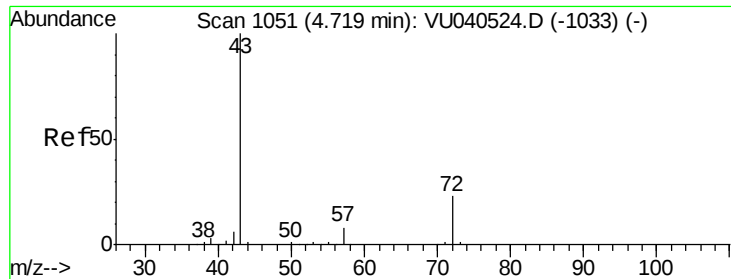


Abundance Ion 96.00 (95.70 to 96.70): VU040524.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VU040524.D (-1024) (-)

Ion 68.00 (67.70 to 68.70): VU040524.D (-1024) (-)





#22

2-Butanone

Concen: 97.584 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

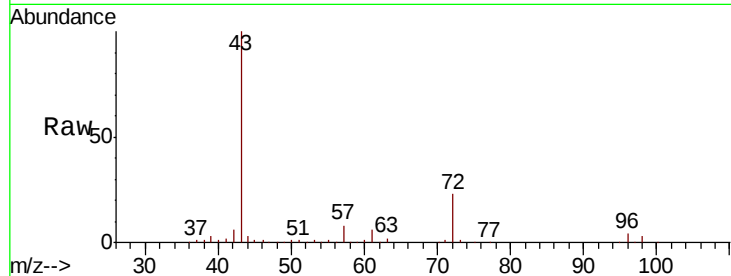
VSTD050204

Tot Ion: 43 Resp: 235680

Ion Ratio Lower Upper

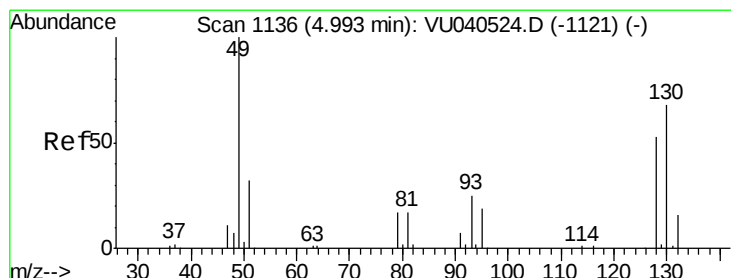
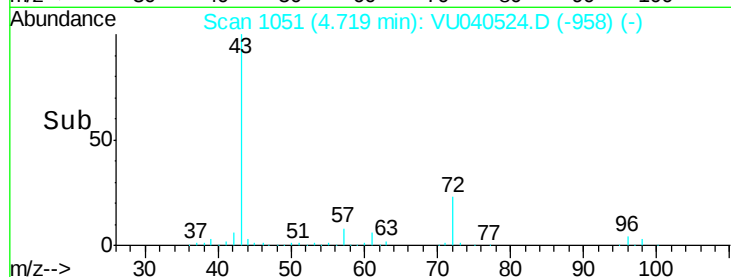
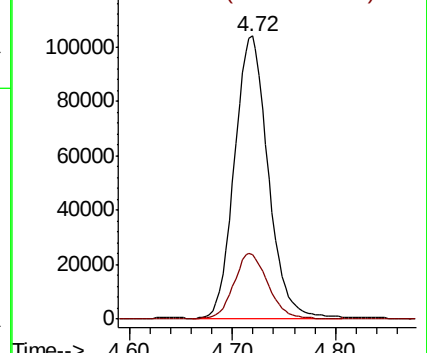
43 100

72 23.9 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040524.D (-1033) (-)

Ion 72.00 (71.70 to 72.70): VU040524.D (-1033) (-)



#23

Bromochloromethane

Concen: 49.299 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Tgt Ion: 128 Resp: 57694

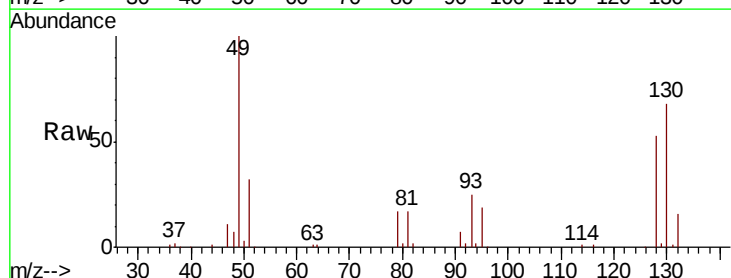
Ion Ratio Lower Upper

128 100

49 190.2 133.1 247.3

130 129.3 90.5 168.1

51 60.5 48.4 72.6

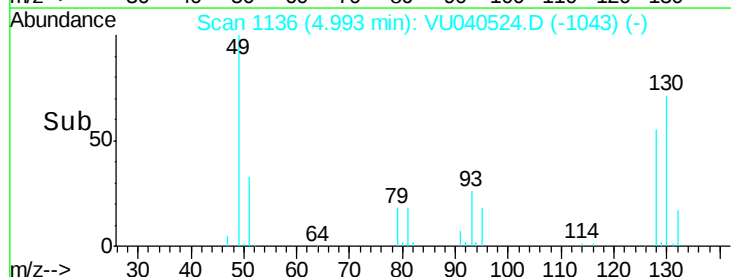
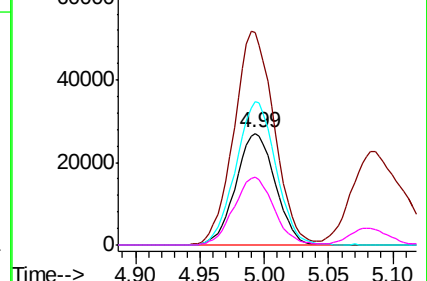


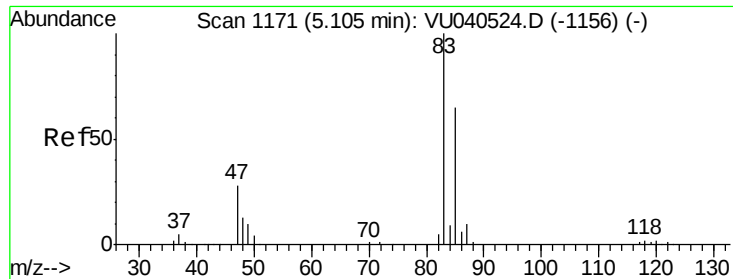
Abundance Ion 128.00 (127.70 to 128.70): VU040524.D (-1121) (-)

Ion 49.00 (48.70 to 49.70): VU040524.D (-1121) (-)

Ion 130.00 (129.70 to 130.70): VU040524.D (-1121) (-)

Ion 51.00 (50.70 to 51.70): VU040524.D (-1121) (-)

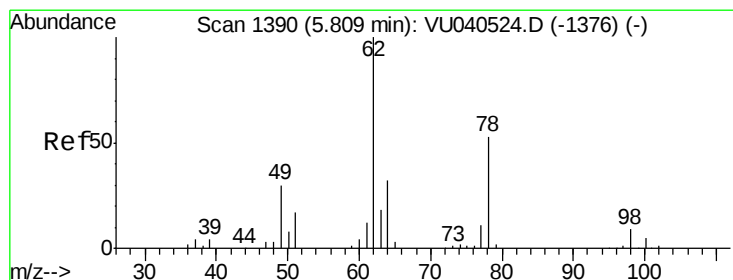
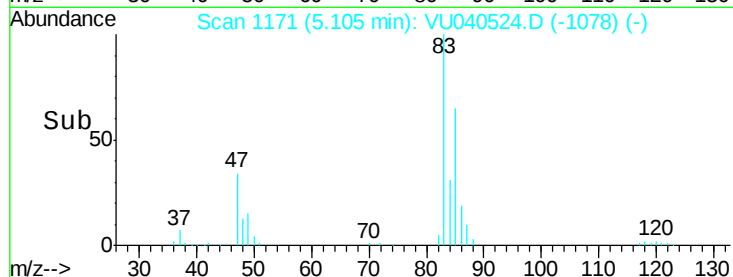
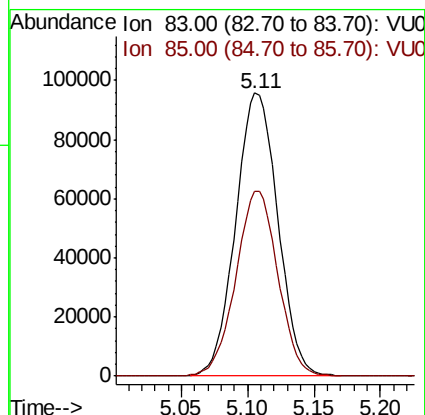
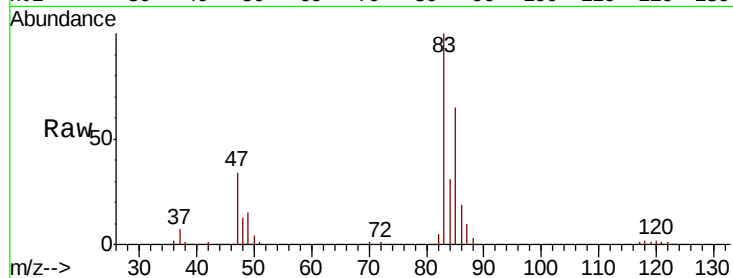




#25
Chloroform
Concen: 49.315 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

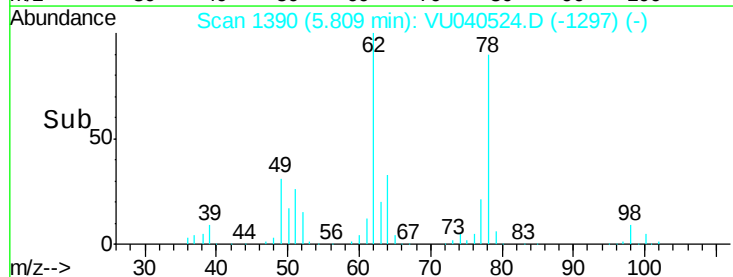
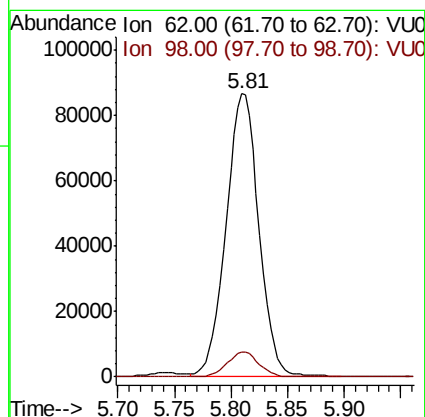
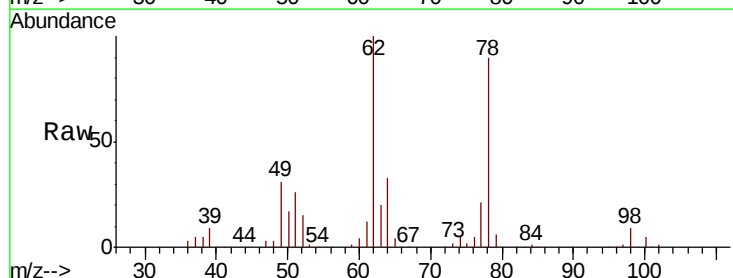
Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

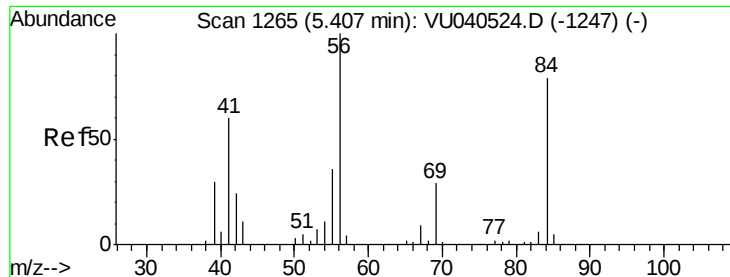
Tot Ion: 83 Resp: 212134
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 48.039 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 62 Resp: 175268
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

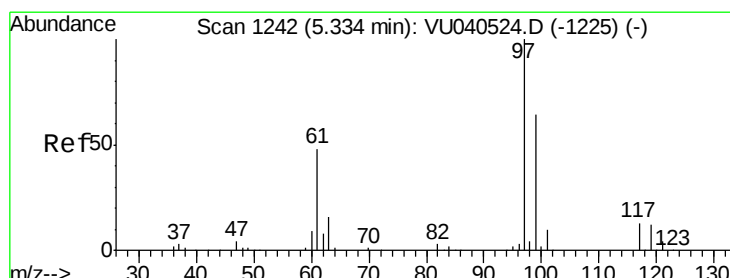
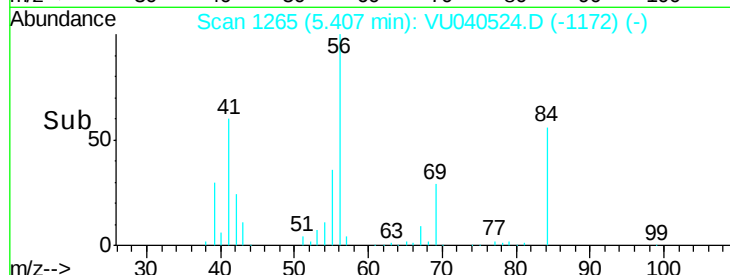
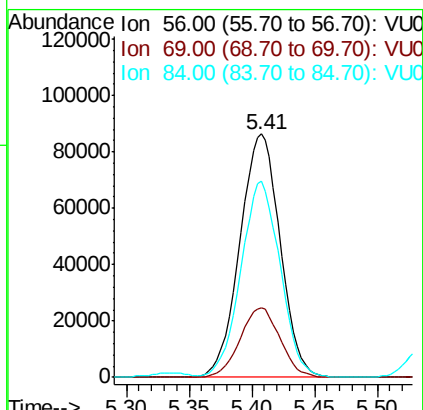
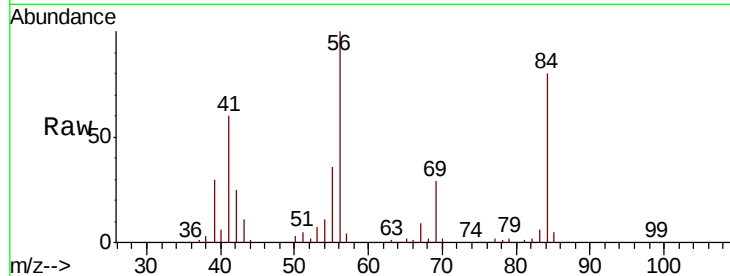




#29
Cyclohexane
Concen: 51.019 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

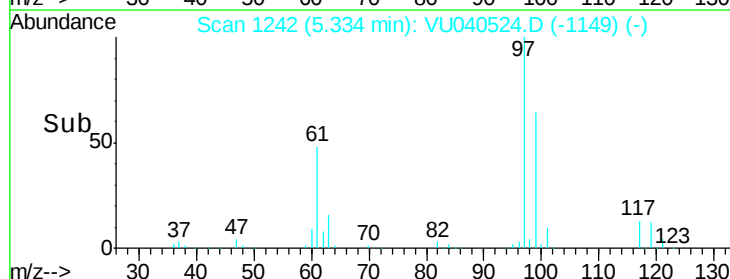
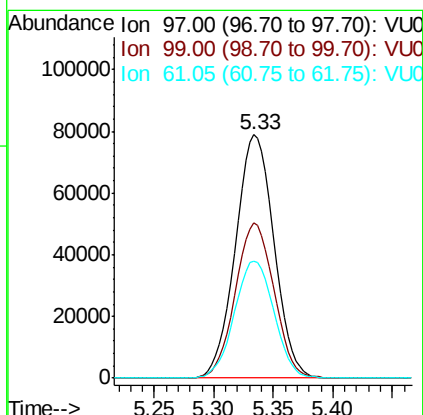
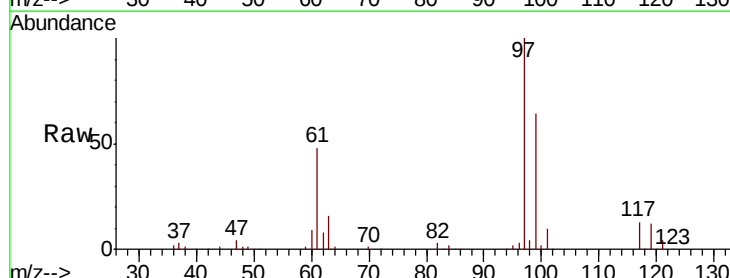
Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

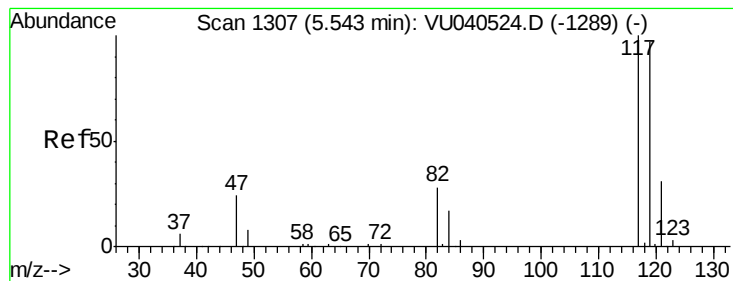
Tot Ion: 56 Resp: 192797
Ion Ratio Lower Upper
56 100
69 28.3 22.6 34.0
84 78.9 63.1 94.7



#30
1,1,1-Trichloroethane
Concen: 49.549 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 97 Resp: 177539
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 49.3 39.4 59.2





#31

Carbon tetrachloride

Concen: 49.847 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

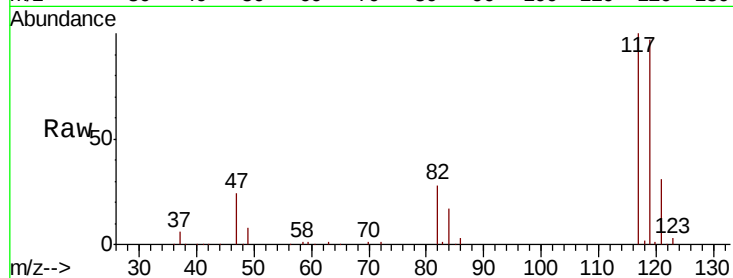
VSTD050204

Tot Ion:117 Resp: 155274

Ion Ratio Lower Upper

117 100

119 94.7 75.8 113.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.54

80000

60000

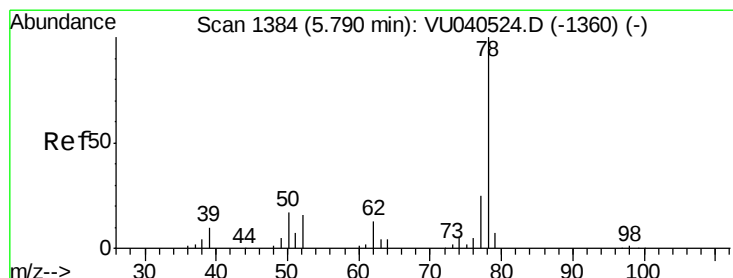
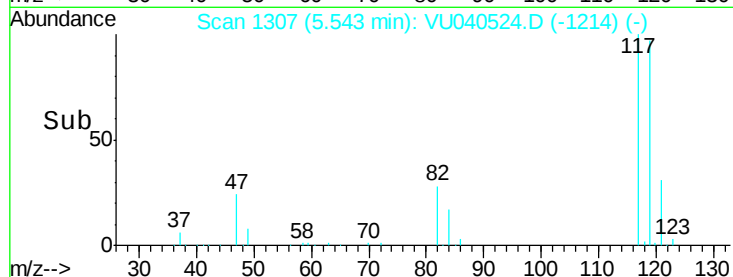
40000

20000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 50.008 ug/L

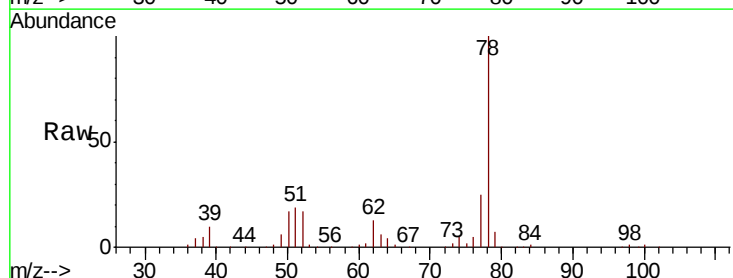
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Tgt Ion: 78 Resp: 452278



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.79

250000

200000

150000

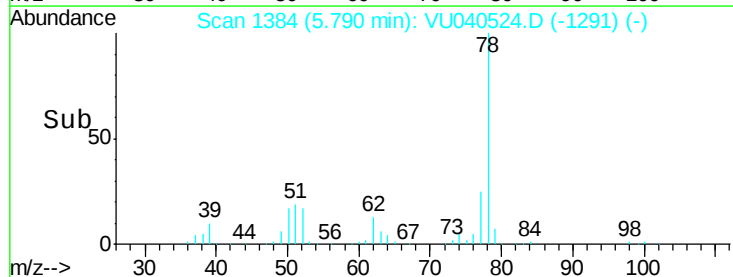
100000

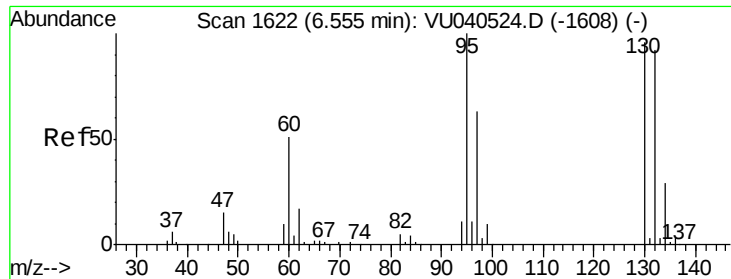
50000

0

5.70 5.80 5.90

Time-->

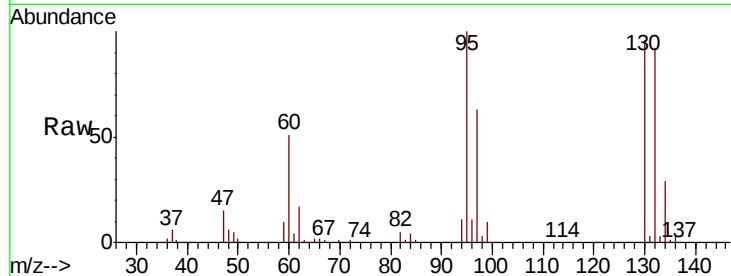




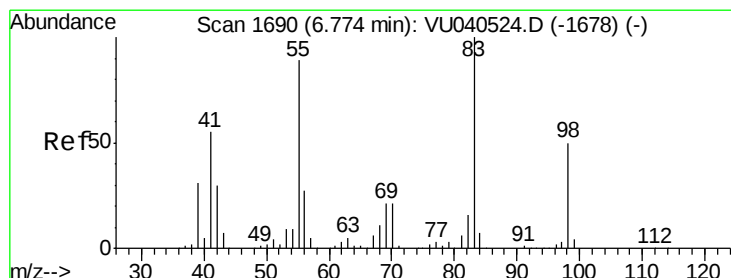
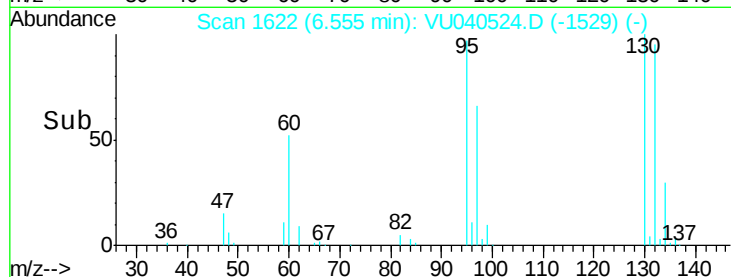
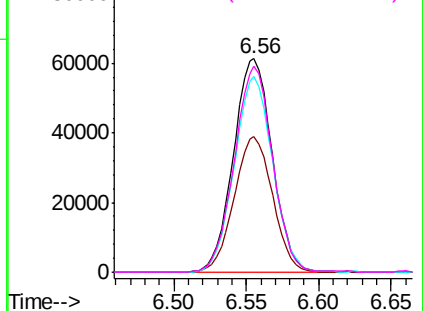
#34
 Trichloroethene
 Concen: 49.139 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

Tot Ion: 95 Resp: 113863
 Ion Ratio Lower Upper
 95 100
 97 63.3 44.3 82.3
 132 91.7 64.2 119.2
 130 96.2 67.3 125.1

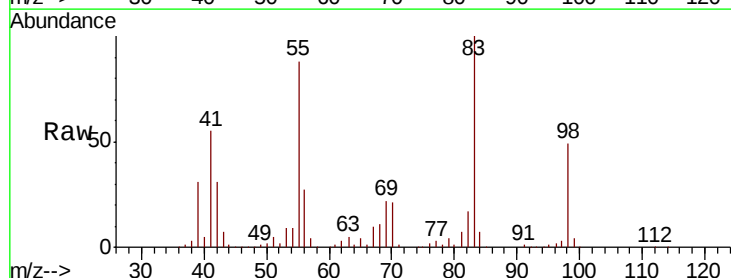


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

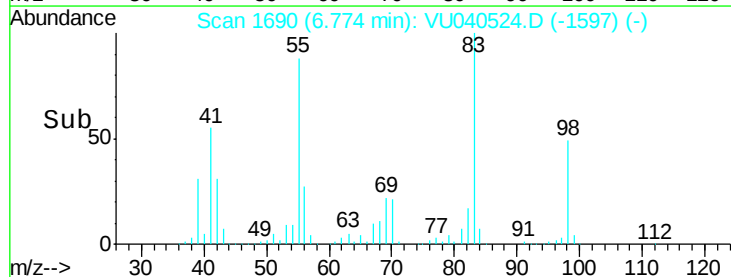
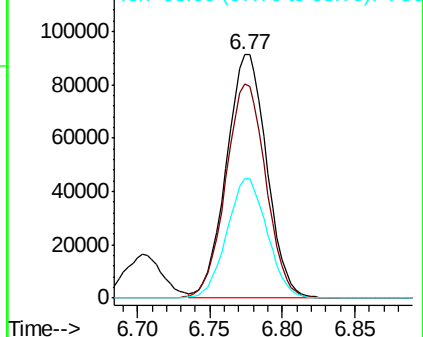


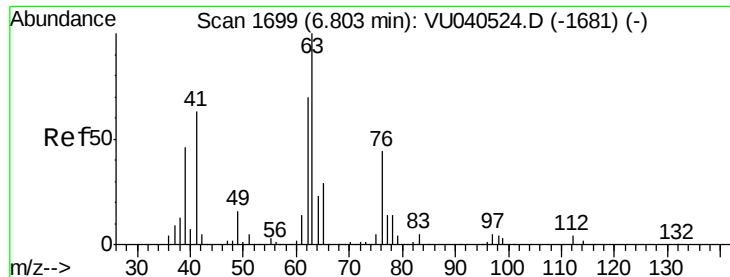
#35
 Methylcyclohexane
 Concen: 49.773 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Tgt Ion: 83 Resp: 176411
 Ion Ratio Lower Upper
 83 100
 55 87.3 69.8 104.8
 98 48.9 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

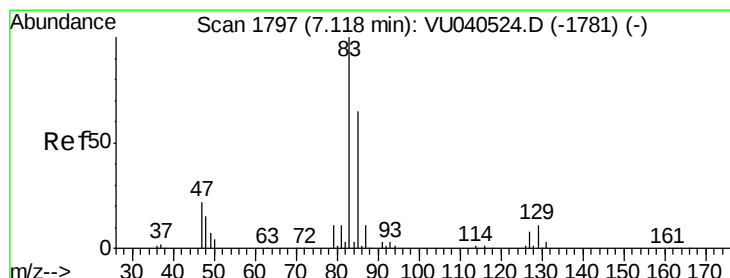
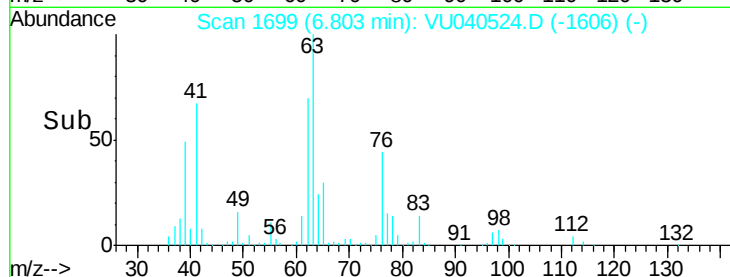
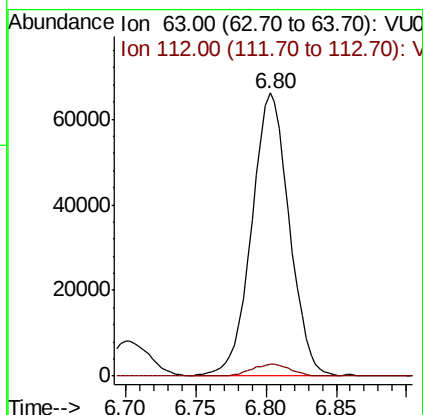
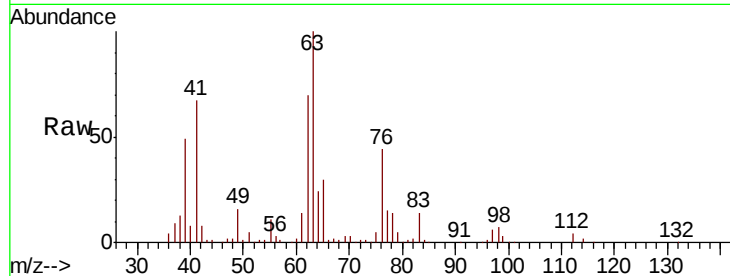




#37
 1,2-Dichloropropane
 Concen: 48.615 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

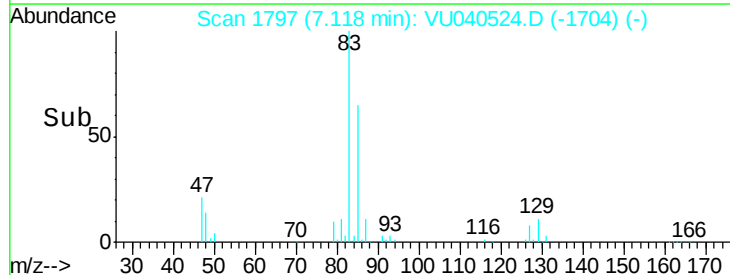
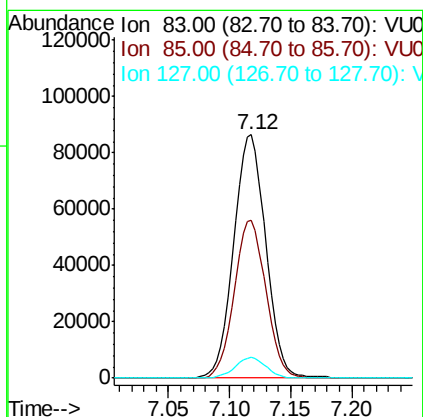
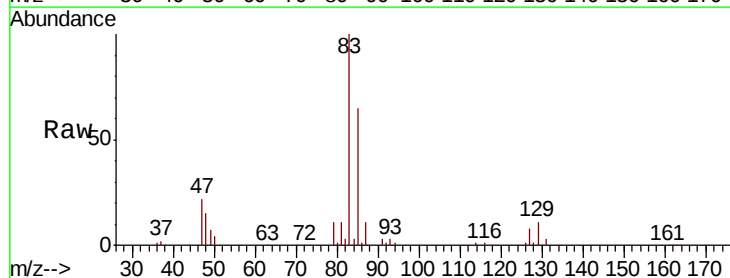
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

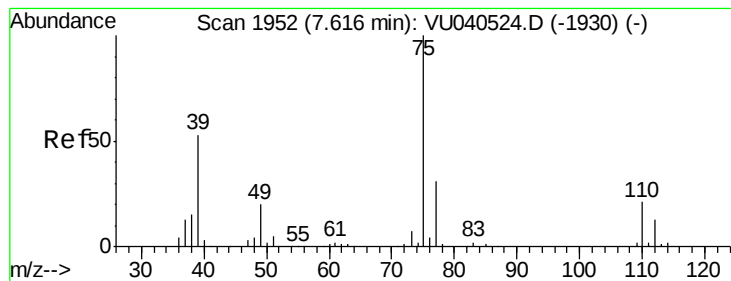
Tot Ion: 63 Resp: 123456
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 48.952 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Tgt Ion: 83 Resp: 157834
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.2 84.0
 127 8.4 6.7 10.1



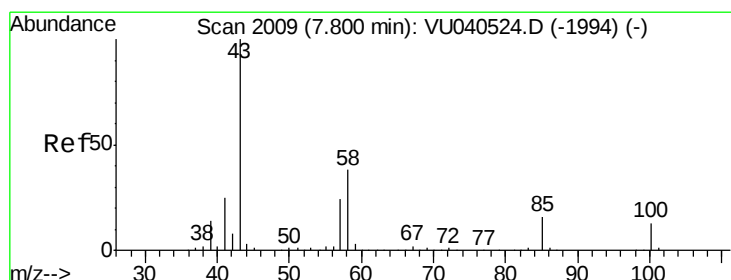
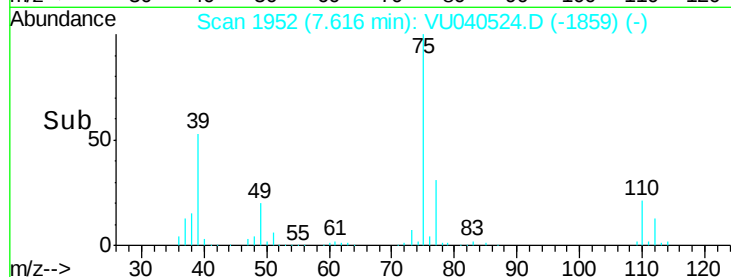
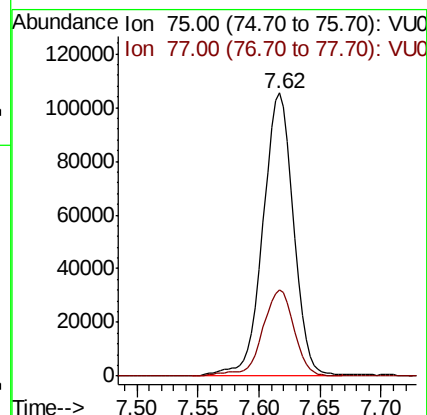
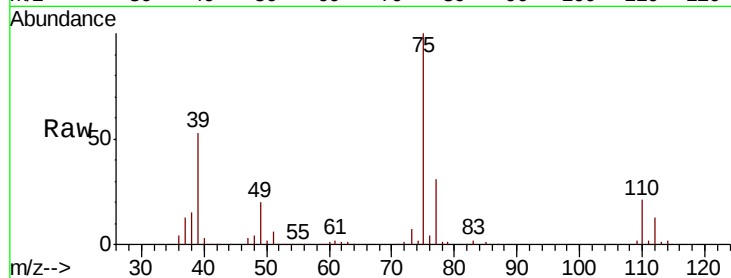


#39

cis-1,3-Dichloropropene
Concen: 50.292 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

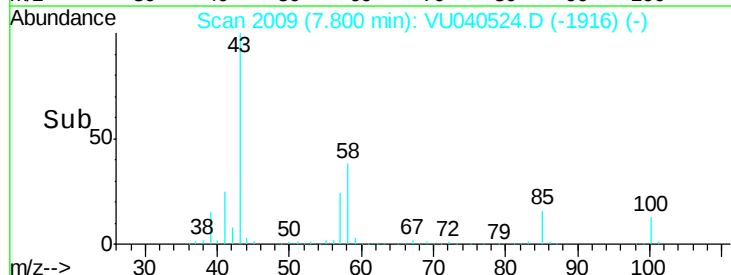
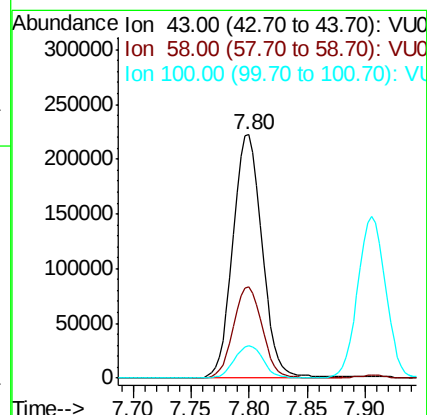
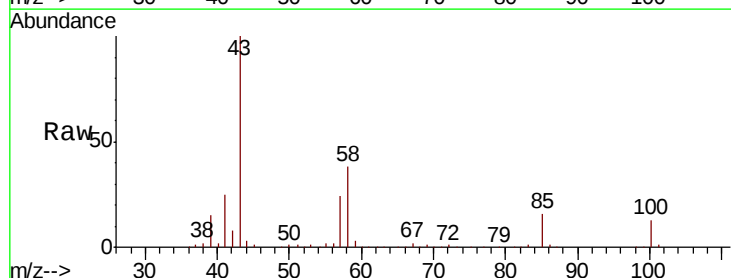
Tot Ion: 75 Resp: 183778
Ion Ratio Lower Upper
75 100
77 30.6 21.4 39.8

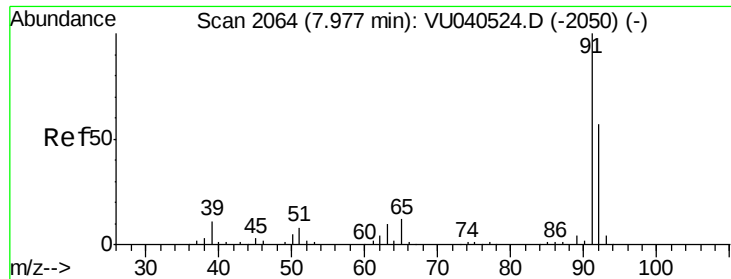


#40

4-Methyl-2-pentanone
Concen: 95.718 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 43 Resp: 388353
Ion Ratio Lower Upper
43 100
58 37.1 29.7 44.5
100 13.1 10.5 15.7





#42

Toluene

Concen: 51.576 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

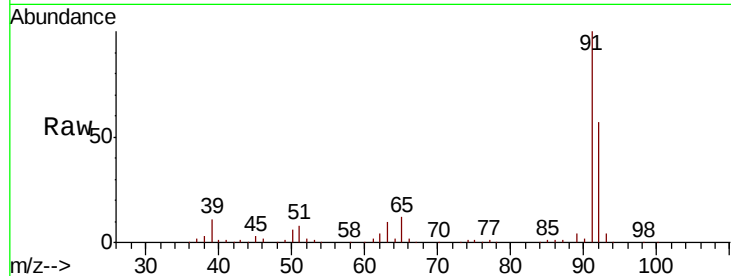
VSTD050204

Tot Ion: 91 Resp: 472051

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU040524.D (-2050) (-)

7.98

250000

200000

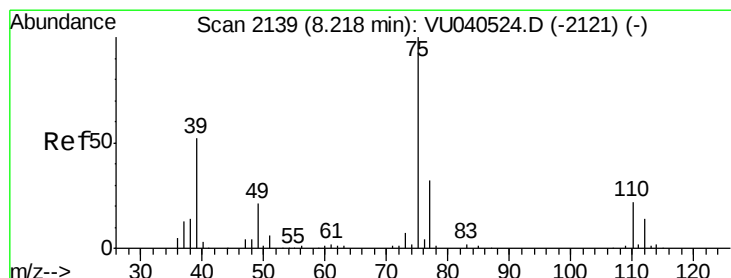
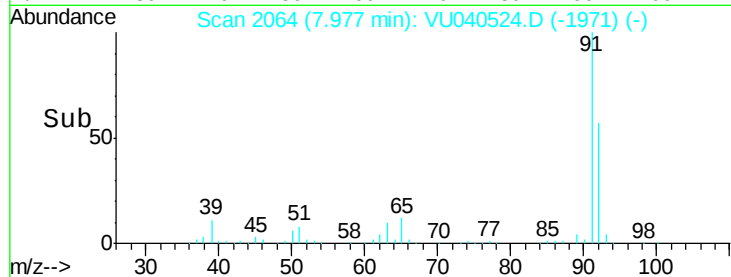
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.690 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040524.D

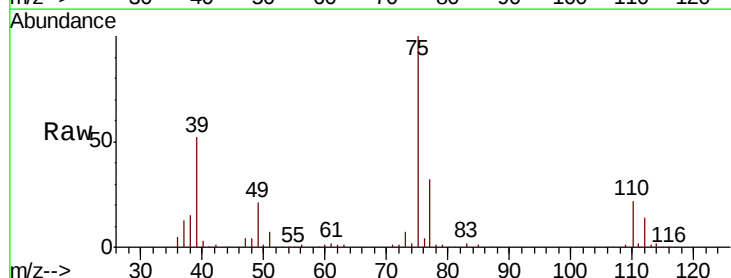
Acq: 06 Oct 2020 13:35

Tgt Ion: 75 Resp: 184176

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU040524.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU040524.D (-2121) (-)

8.22

120000

100000

80000

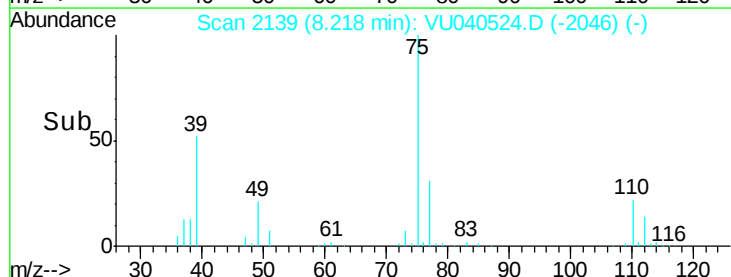
60000

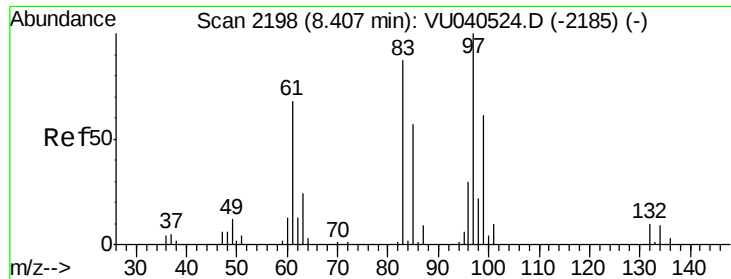
40000

20000

0

Time-->

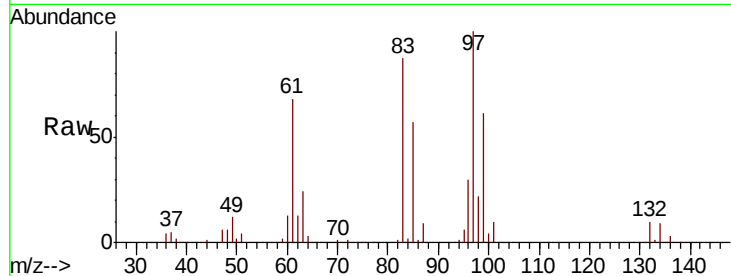




#45
1,1,2-Trichloroethane
Concen: 50.476 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

Tot Ion:	97	Resp:	112080
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.7	79.3
83	87.2	61.0	113.4
85	56.8	39.8	73.8



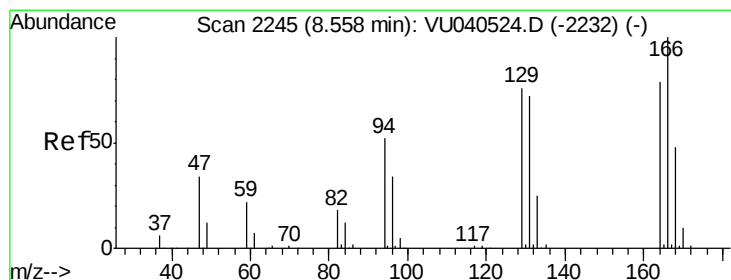
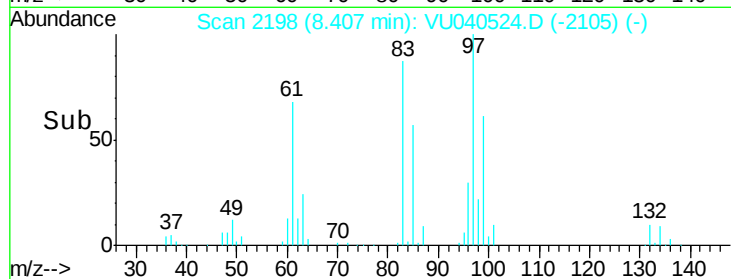
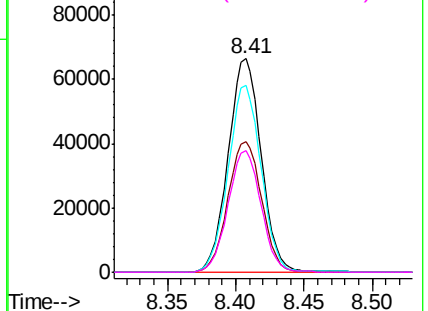
Abundance

Ion 97.00 (96.70 to 97.70): VU040524.D (-2185) (-)

Ion 99.00 (98.70 to 99.70): VU040524.D (-2185) (-)

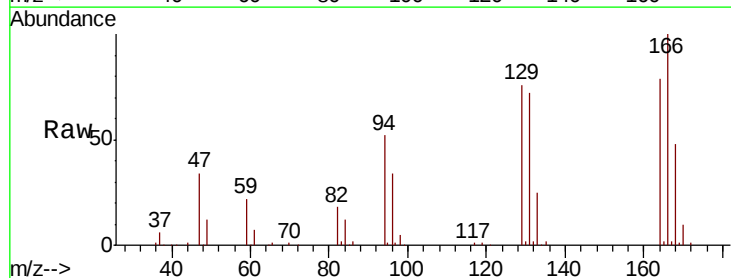
Ion 83.00 (82.70 to 83.70): VU040524.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU040524.D (-2185) (-)



#46
Tetrachloroethene
Concen: 50.210 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion:	164	Resp:	81827
Ion	Ratio	Lower	Upper
164	100		
129	96.3	67.4	125.2
131	91.2	63.8	118.6
166	126.7	88.7	164.7



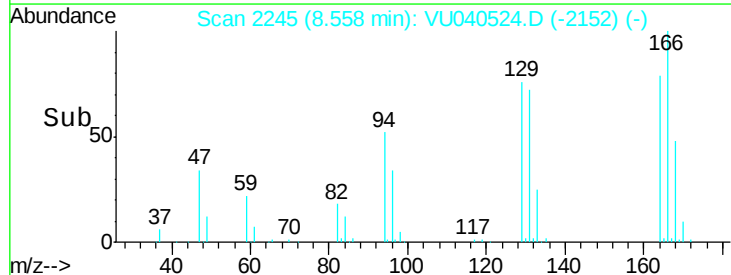
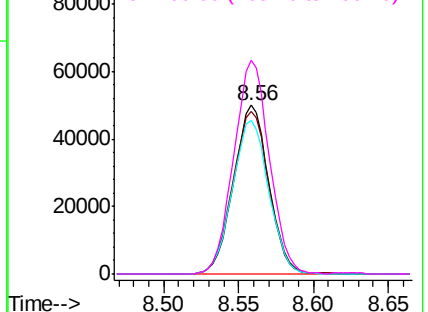
Abundance

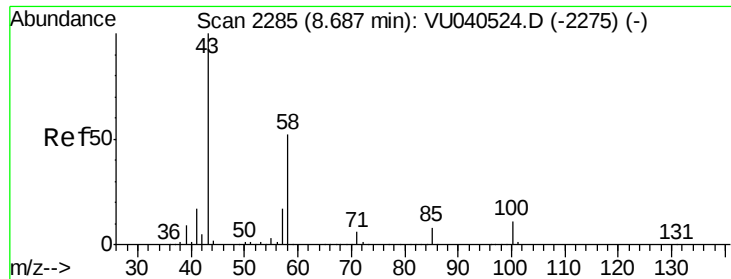
Ion 164.00 (163.70 to 164.70): VU040524.D (-2232) (-)

Ion 129.00 (128.70 to 129.70): VU040524.D (-2232) (-)

Ion 131.00 (130.70 to 131.70): VU040524.D (-2232) (-)

Ion 166.00 (165.70 to 166.70): VU040524.D (-2232) (-)

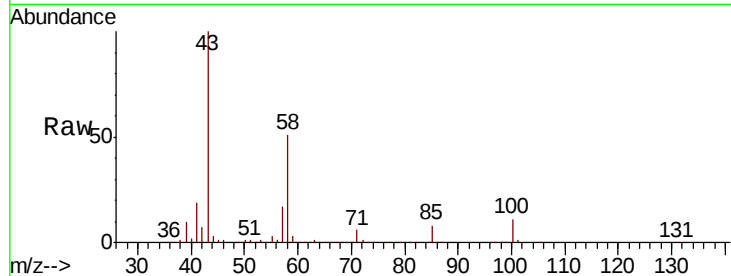




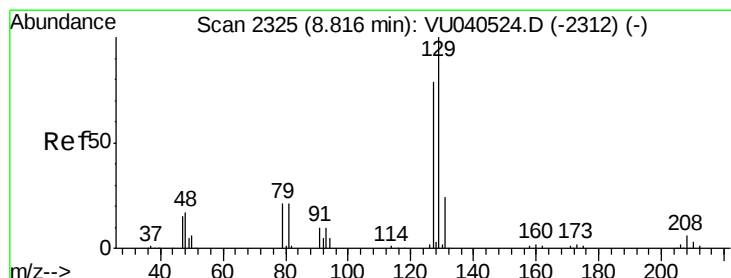
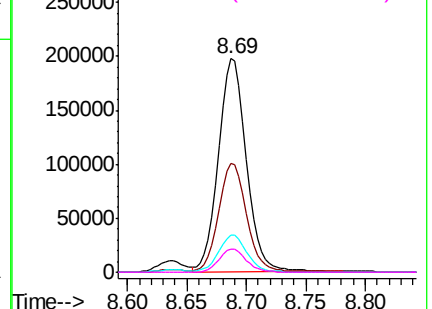
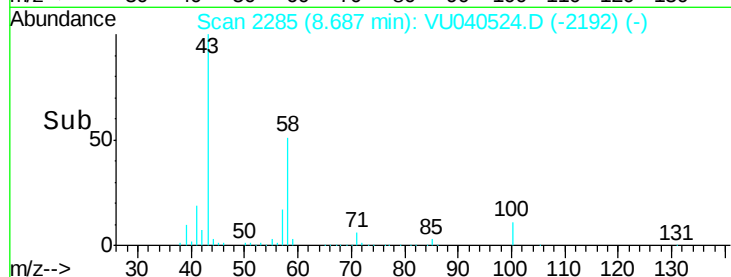
#48
2-Hexanone
Concen: 99.039 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

Tot Ion: 43 Resp: 321910
Ion Ratio Lower Upper
43 100
58 50.7 40.6 60.8
57 17.9 14.3 21.5
100 10.6 8.5 12.7

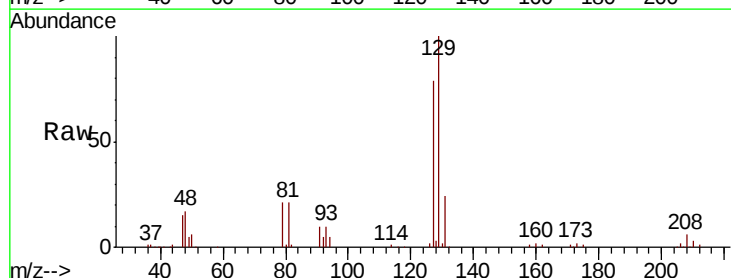


Abundance Ion 43.00 (42.70 to 43.70): VU040524.D (-2192) (-)
Ion 58.00 (57.70 to 58.70): VU040524.D (-2192) (-)
Ion 57.00 (56.70 to 57.70): VU040524.D (-2192) (-)
Ion 100.00 (99.70 to 100.70): VU040524.D (-2192) (-)

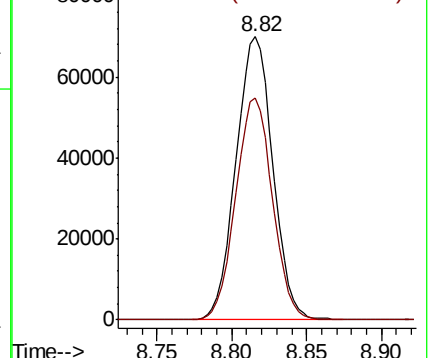
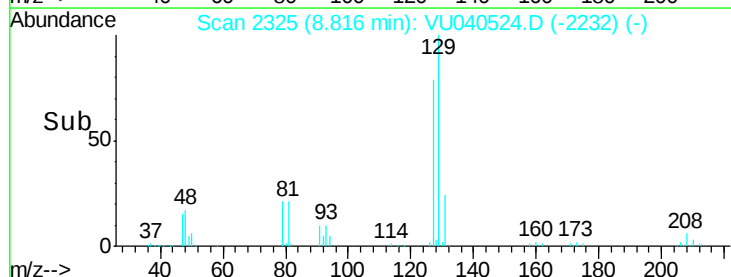


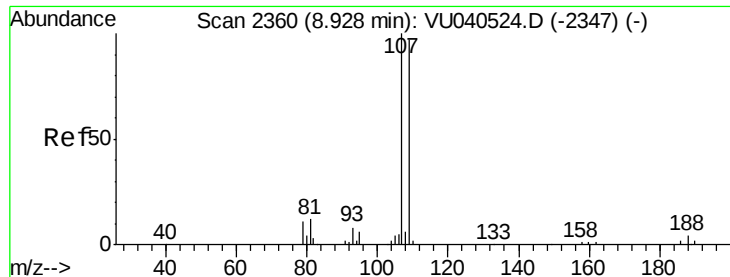
#49
Dibromochloromethane
Concen: 49.636 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 129 Resp: 120179
Ion Ratio Lower Upper
129 100
127 78.5 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VU040524.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU040524.D (-2232) (-)

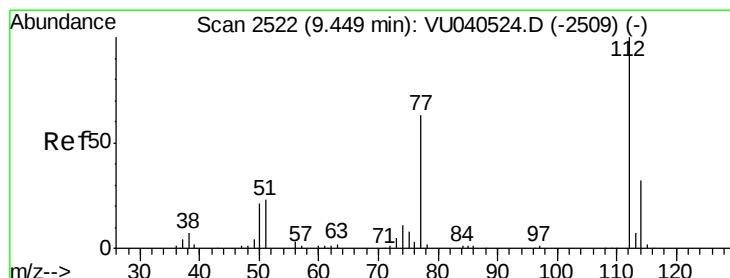
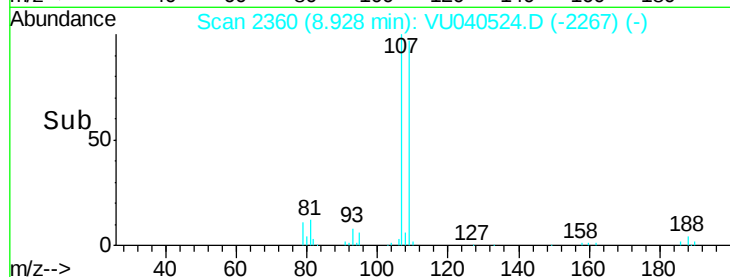
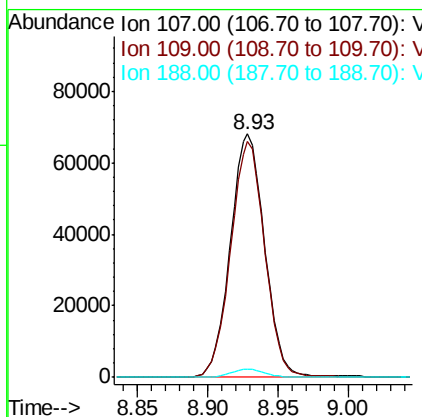
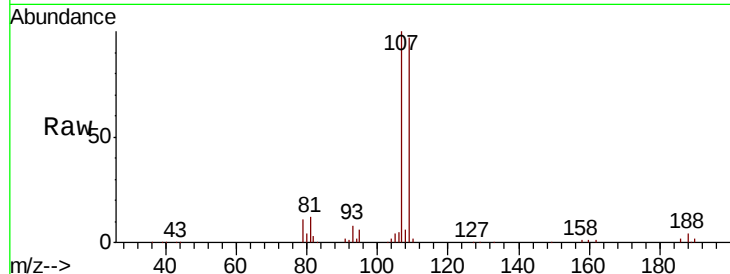




#50
1,2-Dibromoethane
Concen: 48.912 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

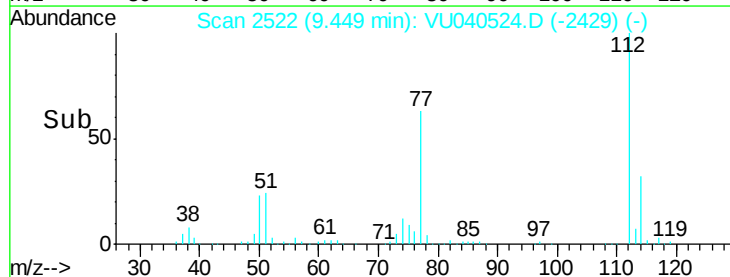
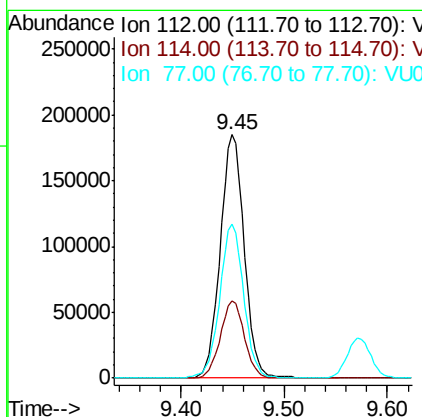
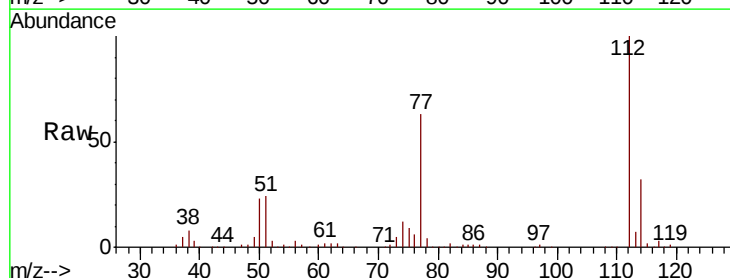
Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

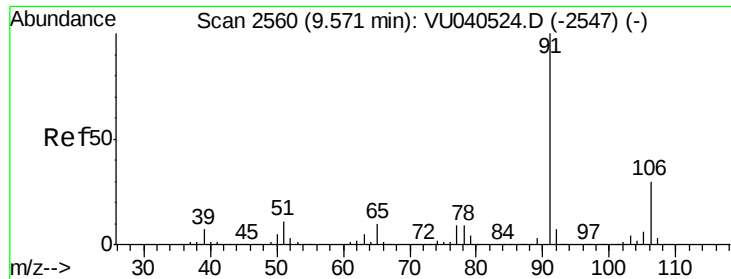
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	67.8	125.8
188	3.5	2.8	4.2



#51
Chlorobenzene
Concen: 49.234 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	63.0	50.4	75.6





#52

Ethylbenzene

Concen: 50.738 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

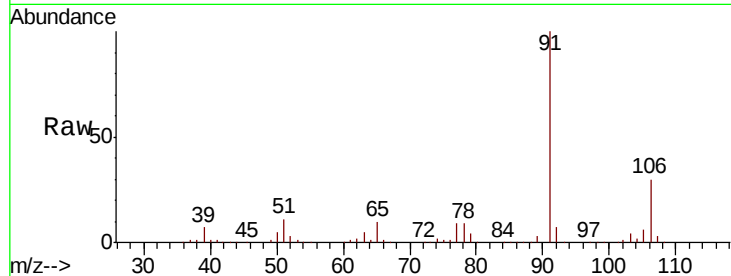
VSTD050204

Tot Ion: 91 Resp: 516645

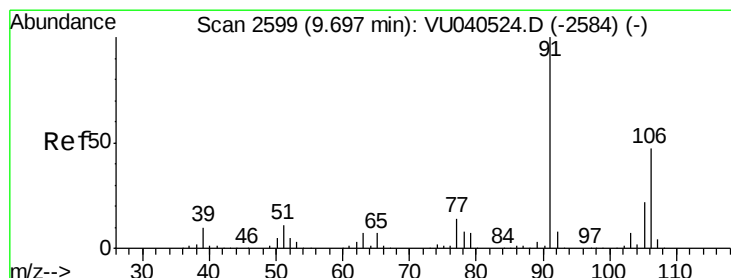
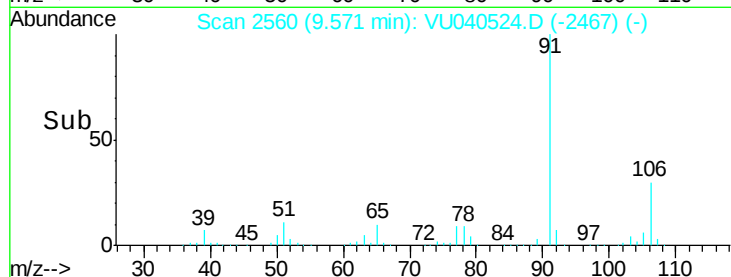
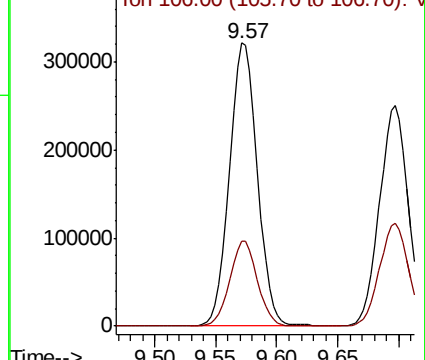
Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040524.D (-2547) (-)



#53

m,p-Xylene

Concen: 51.995 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040524.D

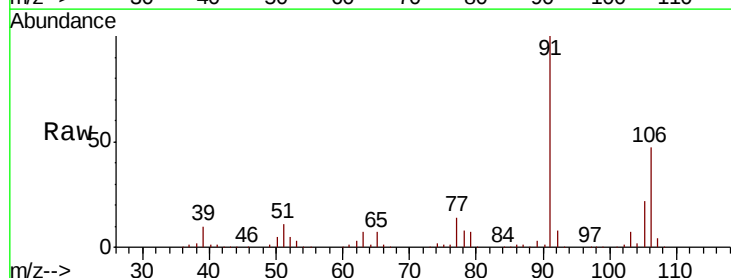
Acq: 06 Oct 2020 13:35

Tgt Ion: 106 Resp: 192541

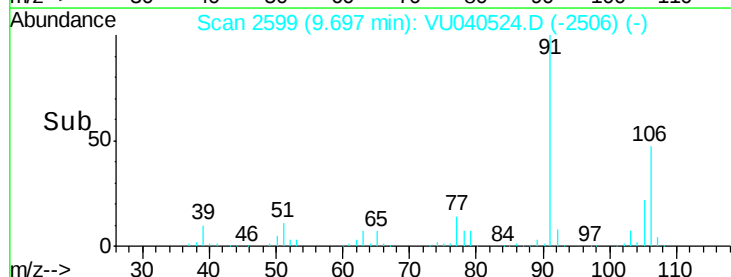
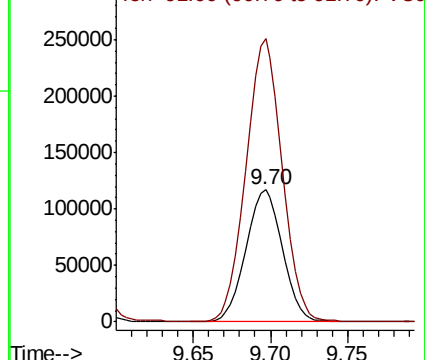
Ion Ratio Lower Upper

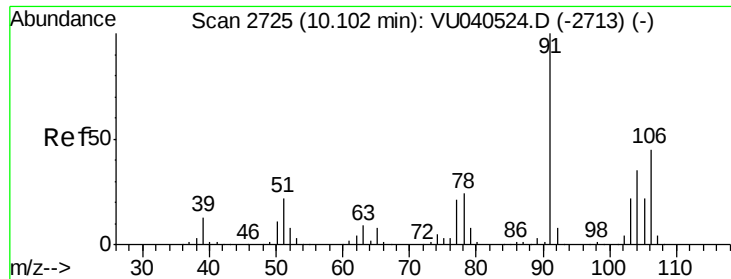
106 100

91 214.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040524.D (-2584) (-)

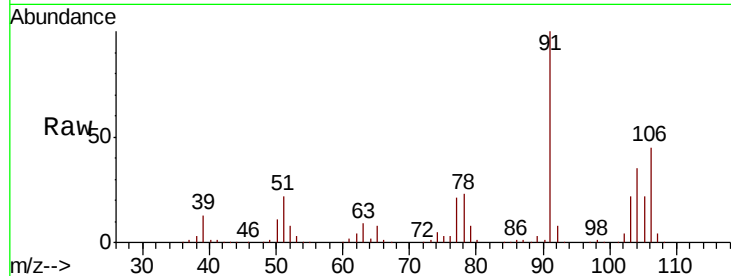




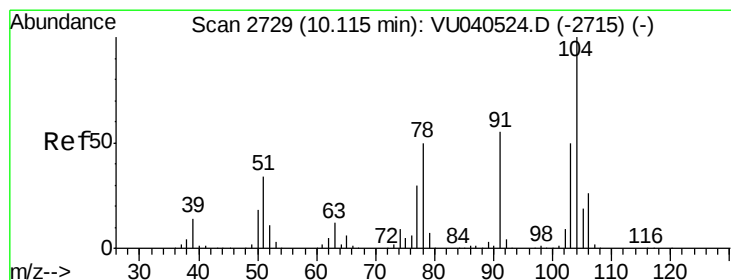
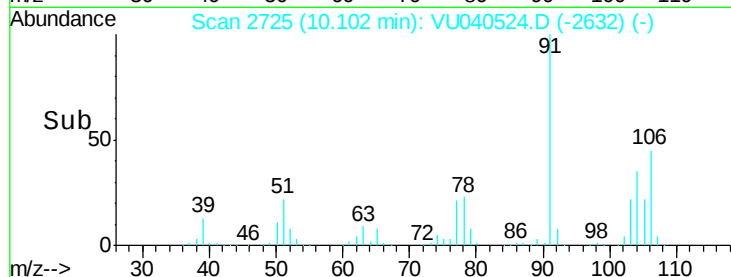
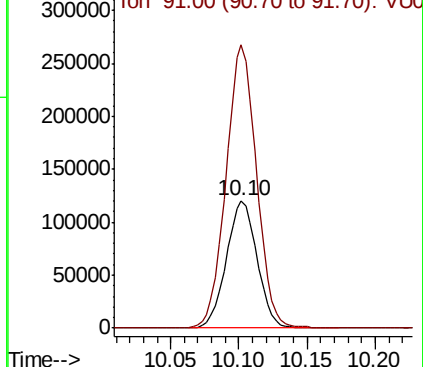
#54
o-xylene
Concen: 51.890 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

Tot Ion:106 Resp: 187808
Ion Ratio Lower Upper
106 100
91 222.3 155.6 289.0

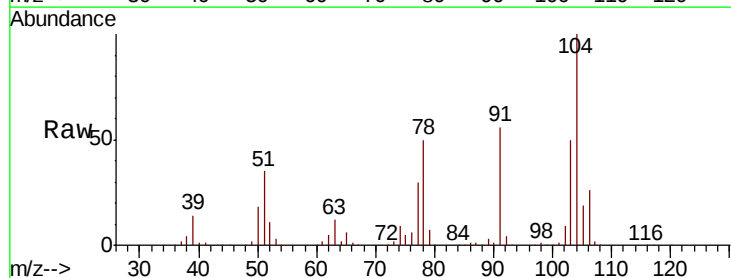


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

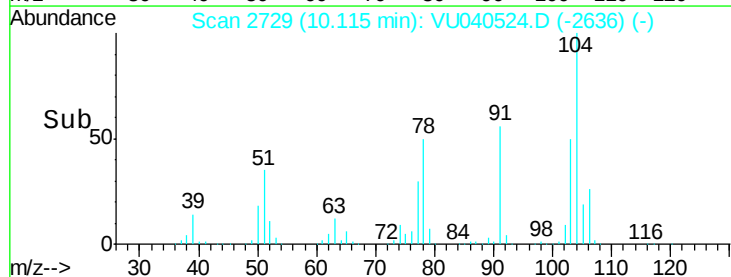
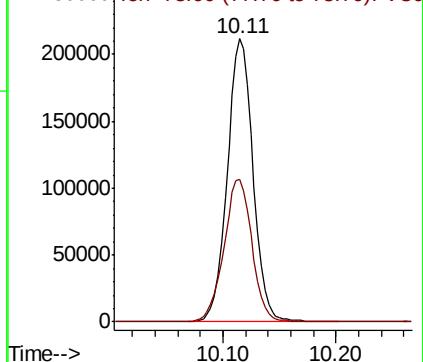


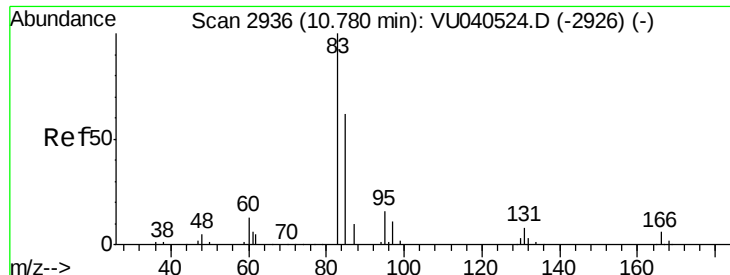
#55
Styrene
Concen: 53.768 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion:104 Resp: 334289
Ion Ratio Lower Upper
104 100
78 50.3 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: 49.082 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050204

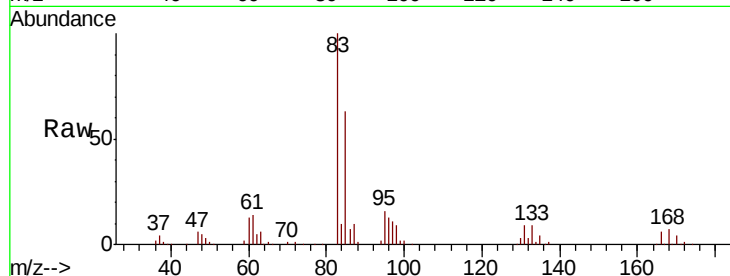
Tot Ion: 83 Resp: 191259

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

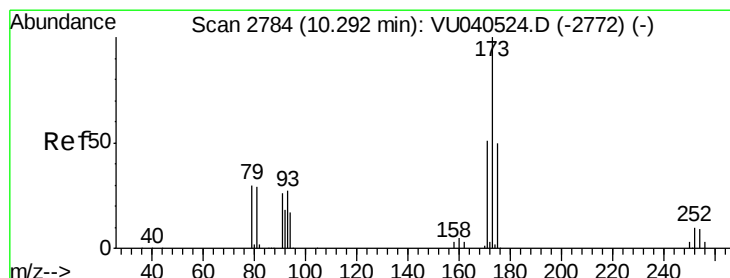
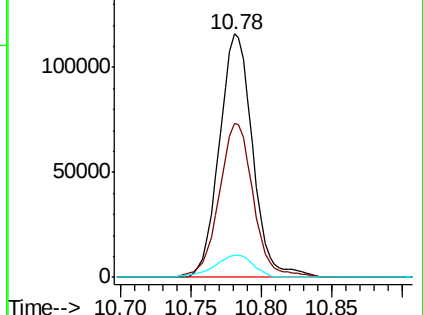
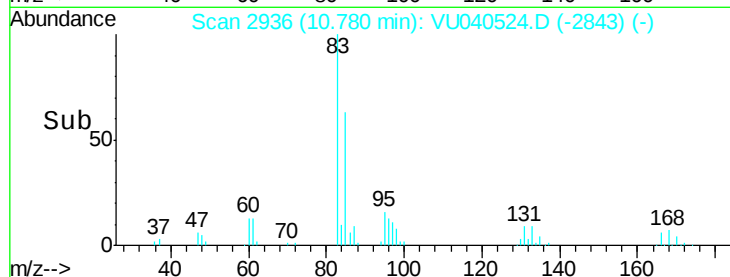
131 8.9 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VU040524.D (-2926) (-)

Ion 85.00 (84.70 to 85.70): VU040524.D (-2926) (-)

Ion 131.00 (130.70 to 131.70): VU040524.D (-2926) (-)



#59

Bromoform

Concen: 49.212 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

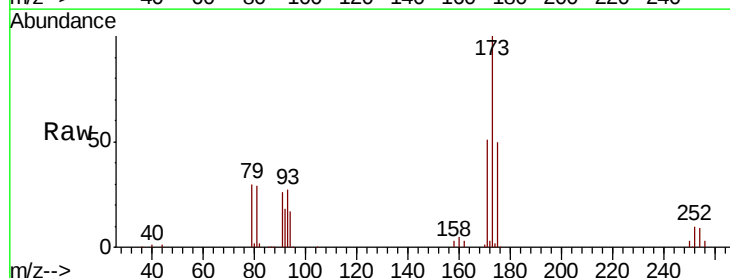
Tgt Ion: 173 Resp: 85150

Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

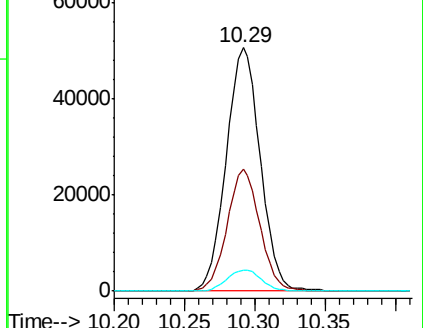
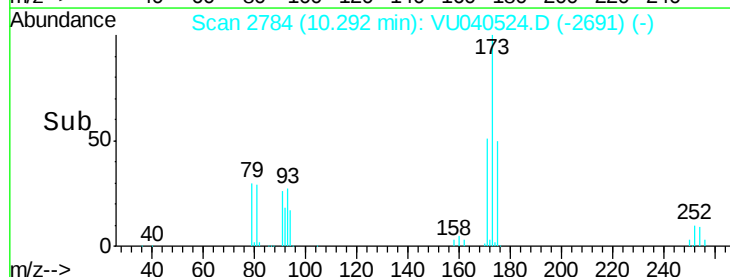
254 8.8 7.0 10.6

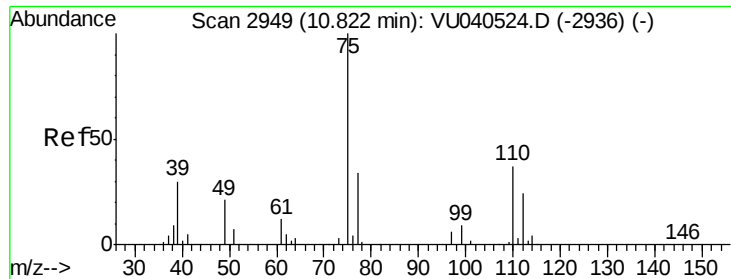


Abundance Ion 173.00 (172.70 to 173.70): VU040524.D (-2772) (-)

Ion 175.00 (174.70 to 175.70): VU040524.D (-2772) (-)

Ion 254.00 (253.70 to 254.70): VU040524.D (-2772) (-)

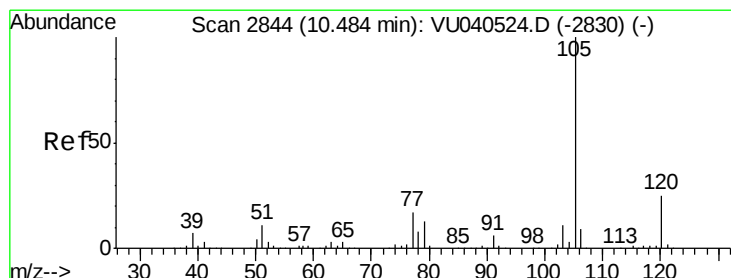
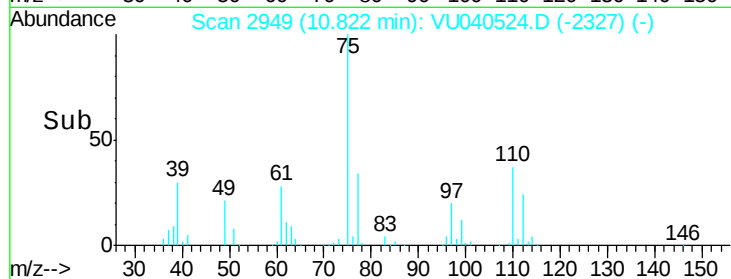
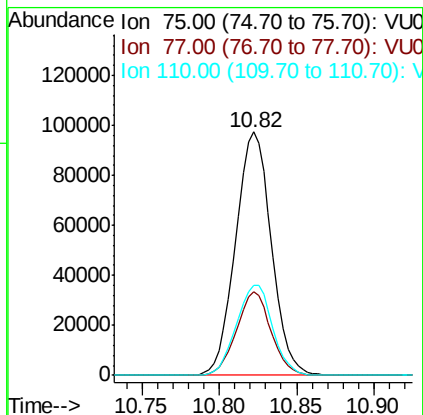
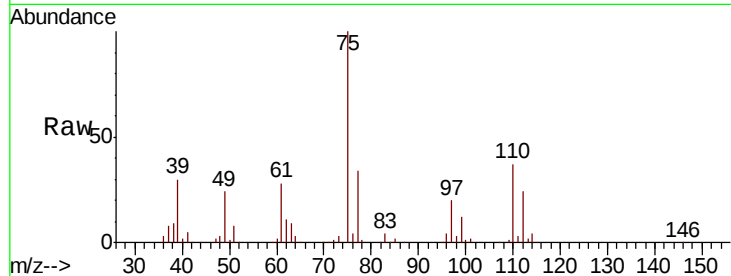




#60
1,2,3-Trichloropropane
Concen: 47.035 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

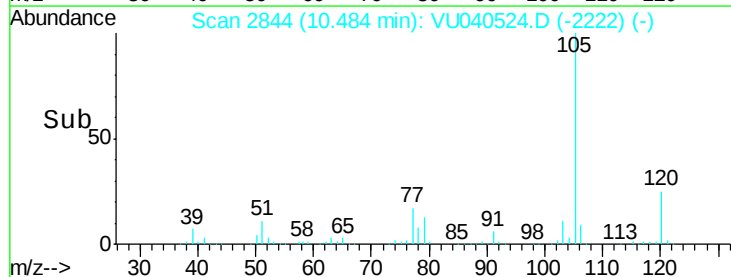
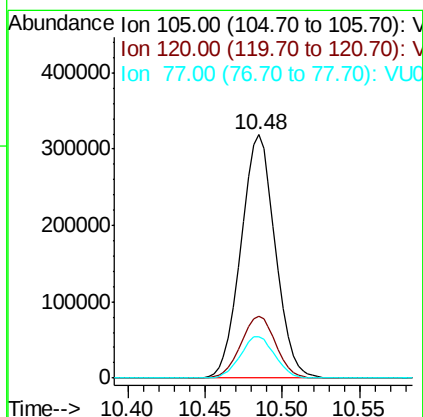
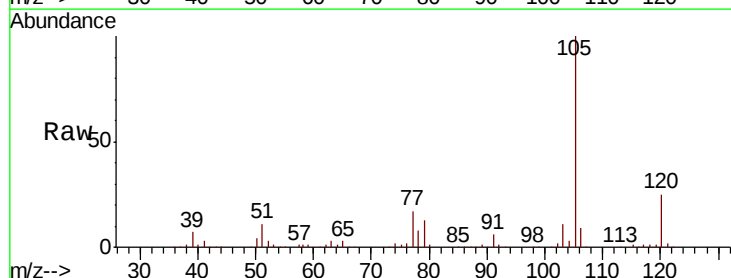
Instrument :
MSVOA_U
ClientSampleId :
VSTD050204

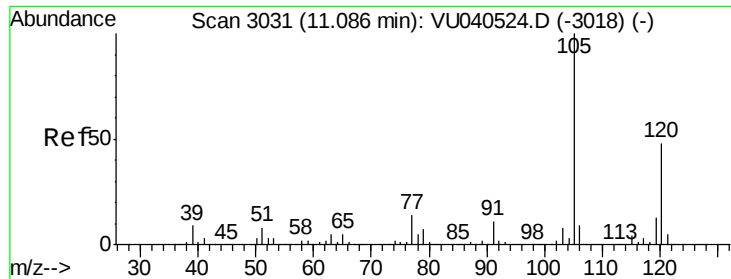
Tot Ion: 75 Resp: 156573
Ion Ratio Lower Upper
75 100
77 33.0 26.4 39.6
110 37.6 30.1 45.1



#61
Isopropylbenzene
Concen: 50.253 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040524.D
Acq: 06 Oct 2020 13:35

Tgt Ion: 105 Resp: 490725
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 17.3 13.8 20.8

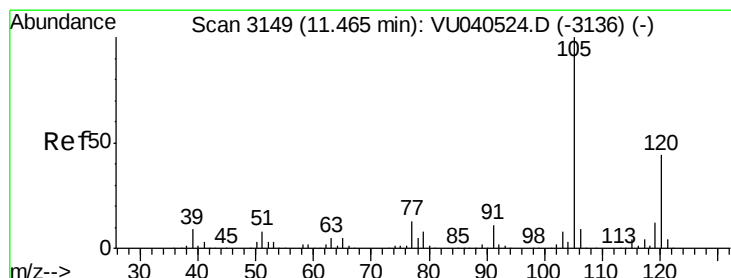
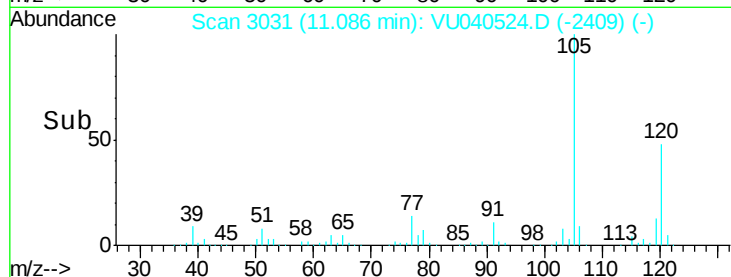
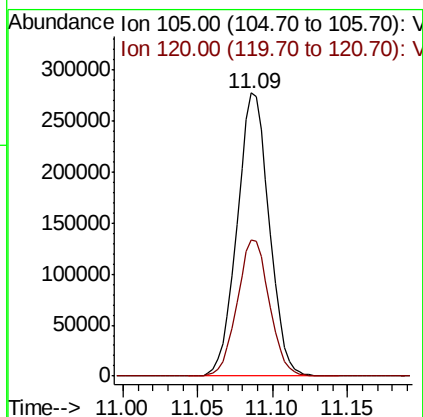
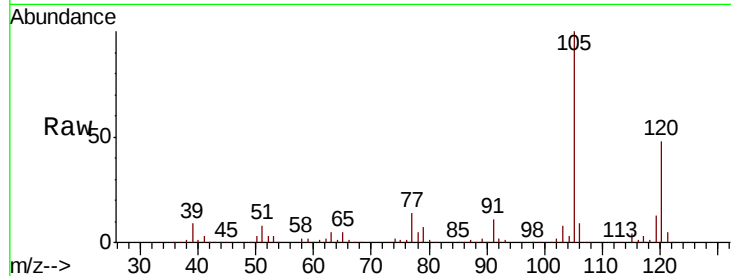




#62
 1,3,5-Trimethylbenzene
 Concen: 51.829 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

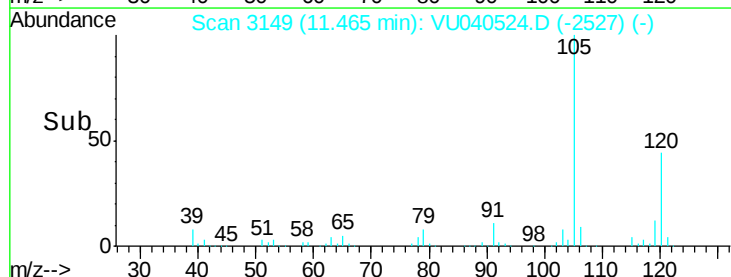
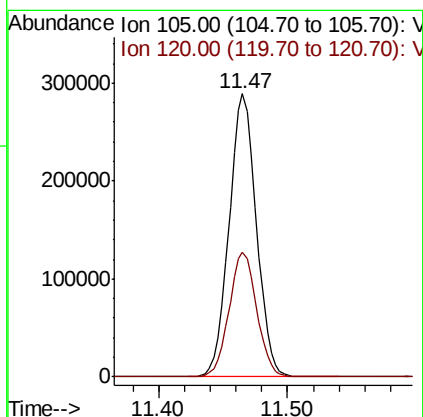
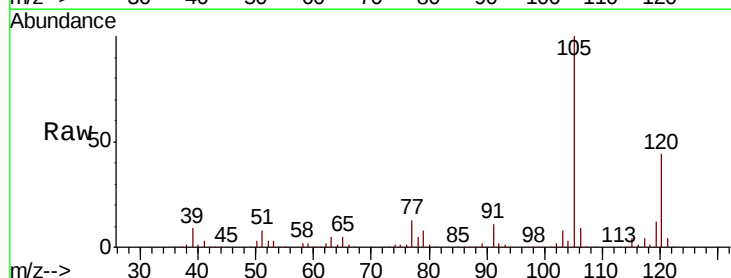
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

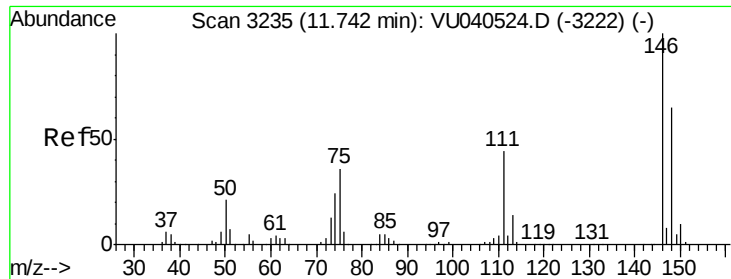
Tot Ion:105 Resp: 414470
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 52.410 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Tgt Ion:105 Resp: 423370
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.7 53.5

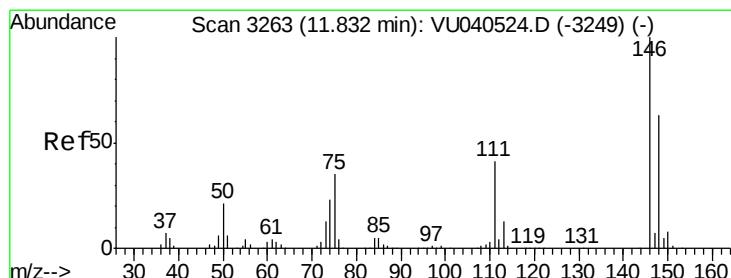
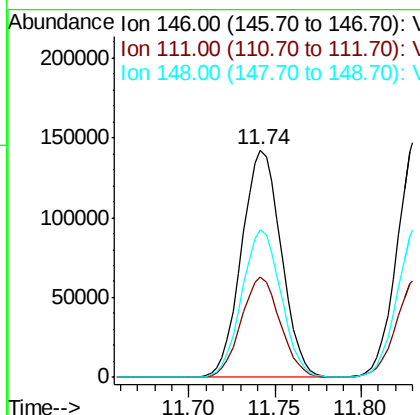
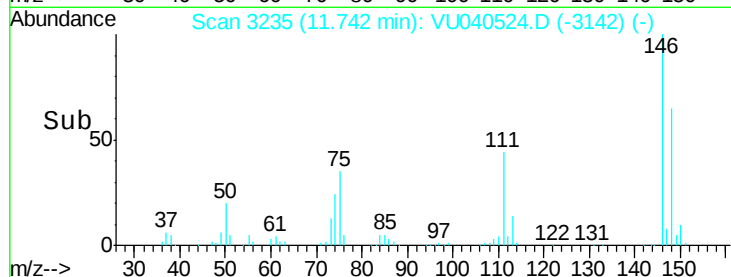
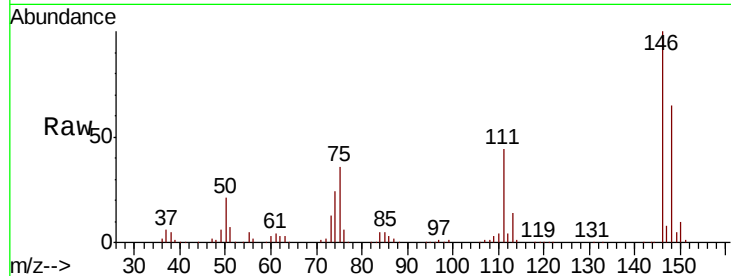




#64
 1,3-Dichlorobenzene
 Concen: 48.893 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

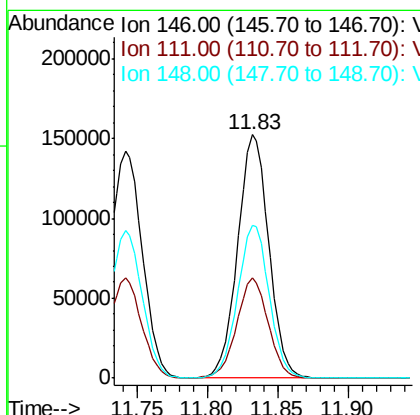
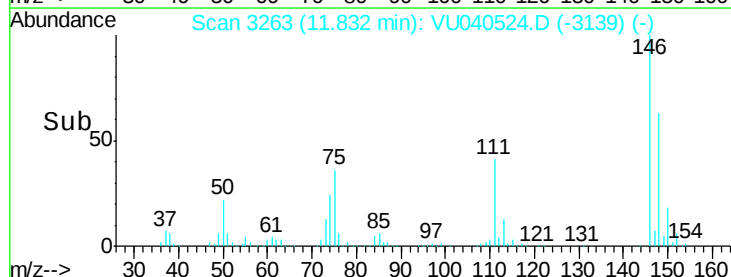
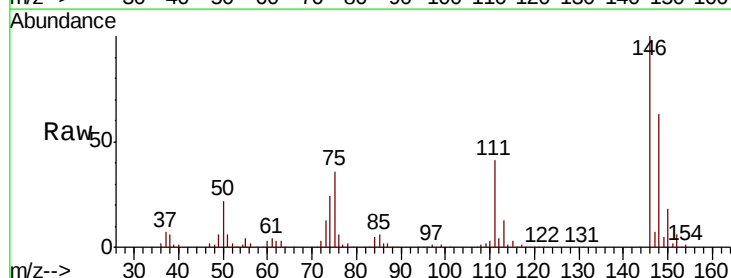
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

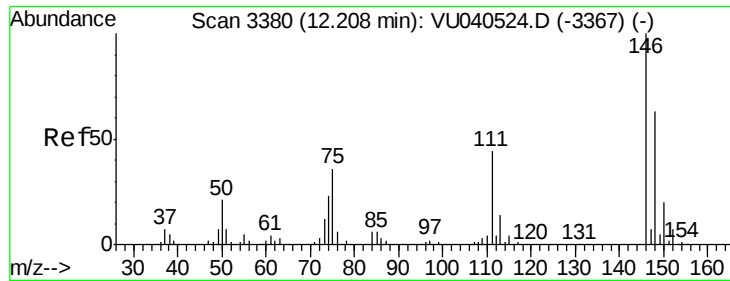
Tot Ion:146 Resp: 227650
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.8 57.2
 148 64.8 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 48.837 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Tgt Ion:146 Resp: 236057
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 63.0 44.1 81.9

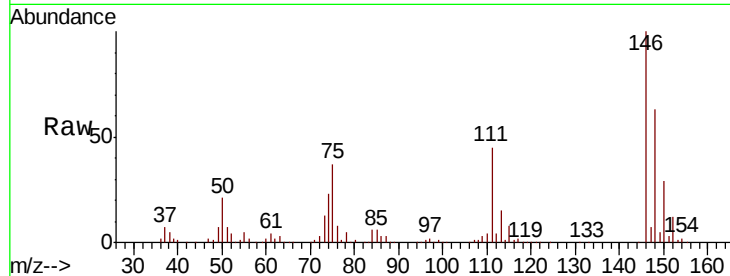




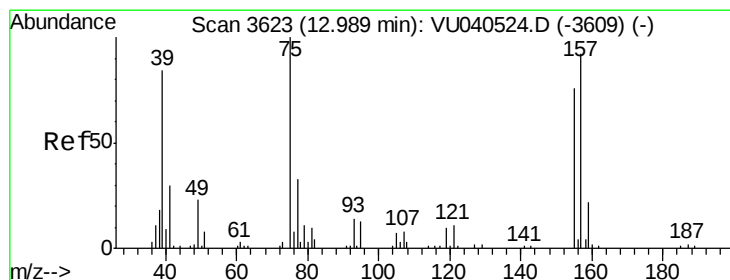
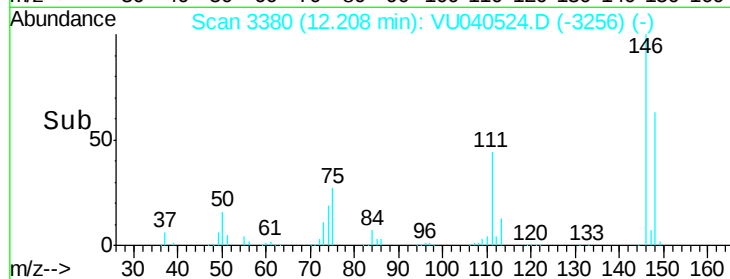
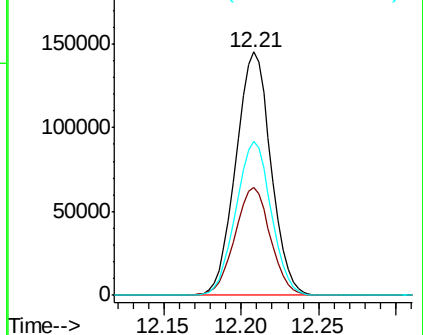
#67
 1,2-Dichlorobenzene
 Concen: 49.317 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050204

Tot Ion:146 Resp: 228765
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.7 53.5
 148 63.2 50.6 75.8

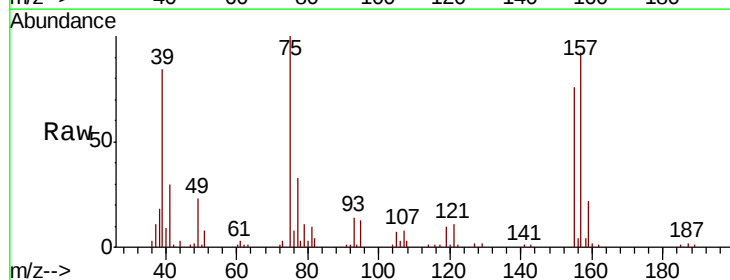


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

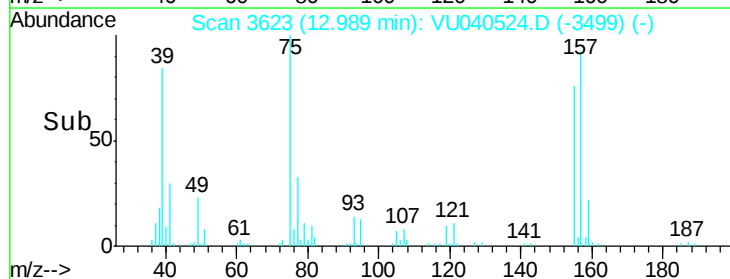
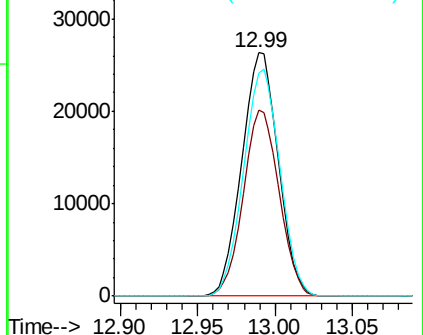


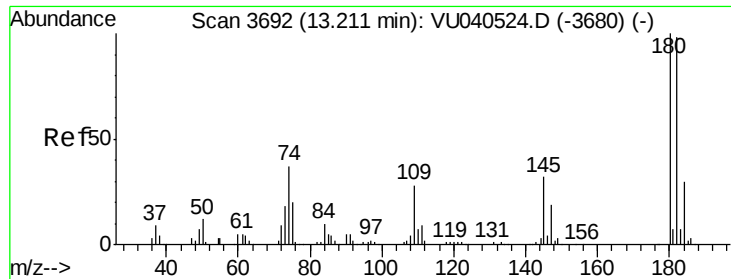
#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.414 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Tgt Ion: 75 Resp: 43202
 Ion Ratio Lower Upper
 75 100
 155 76.3 61.0 91.6
 157 91.9 73.5 110.3



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

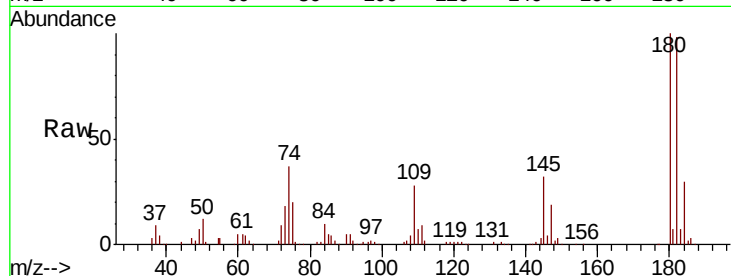




#69
 1,3,5-Trichlorobenzene
 Concen: 50.088 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD050204

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.2	24.2	36.2
145	31.8	25.4	38.2

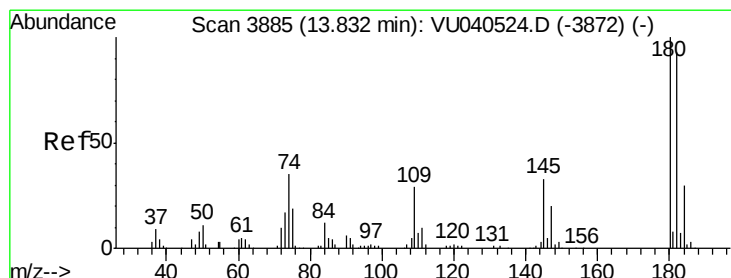
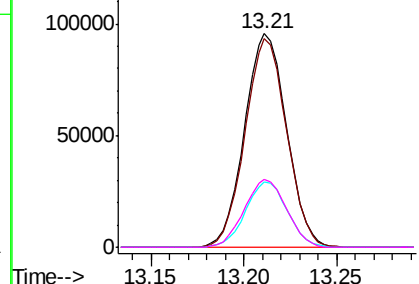
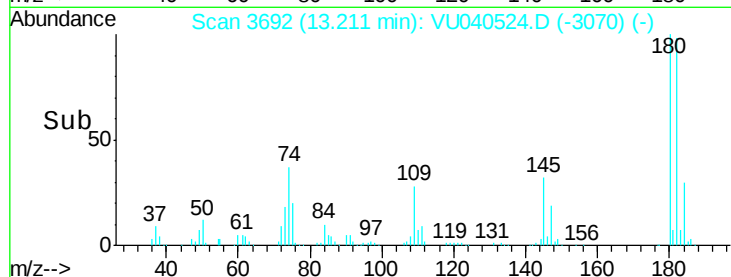


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

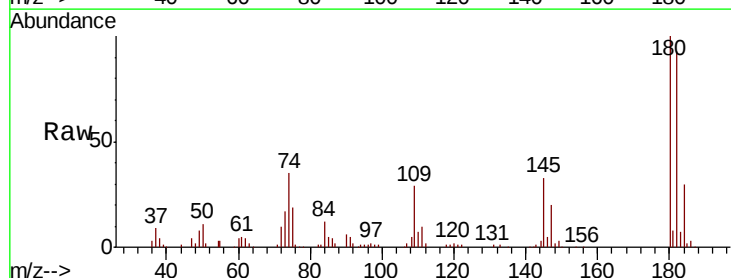
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 49.798 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040524.D
 Acq: 06 Oct 2020 13:35

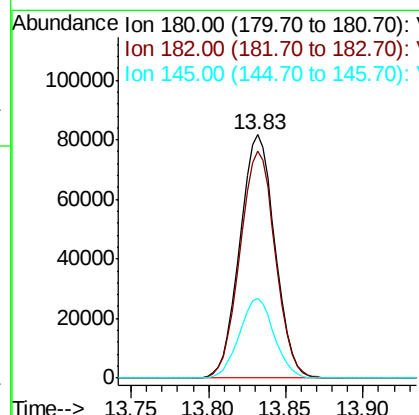
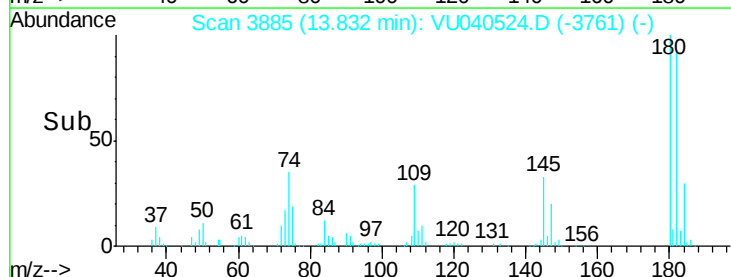
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.0	112.6
145	32.4	25.9	38.9

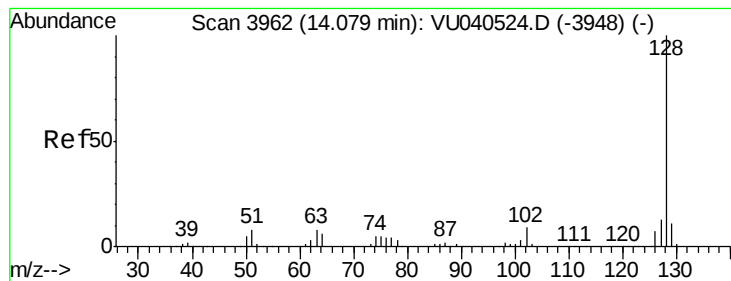


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 51.396 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD050204

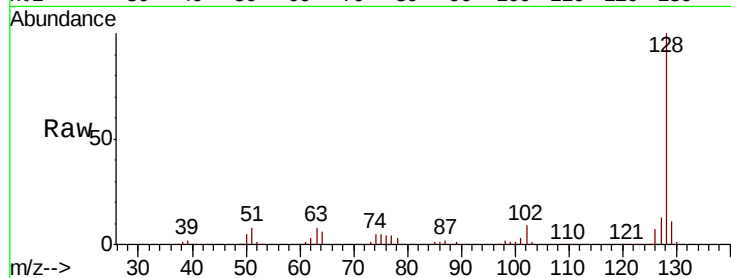
Tot Ion:128 Resp: 401919

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

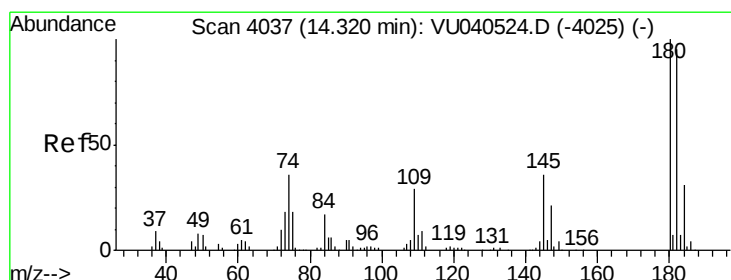
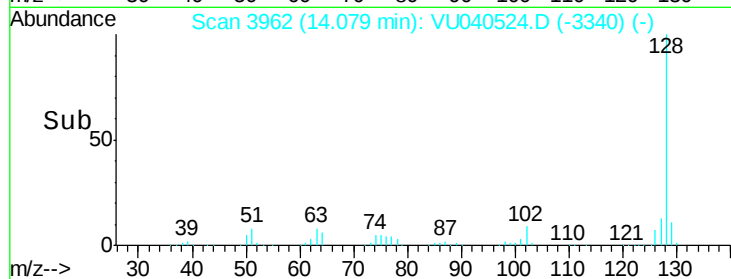
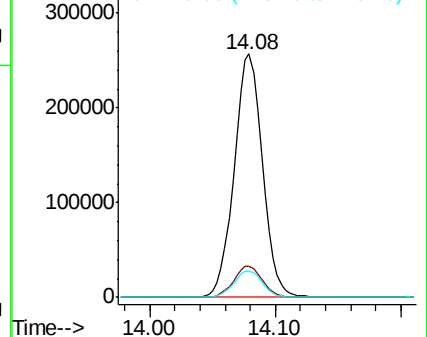
129 10.8 8.6 13.0



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



#72

1,2,3-Trichlorobenzene

Concen: 50.183 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040524.D

Acq: 06 Oct 2020 13:35

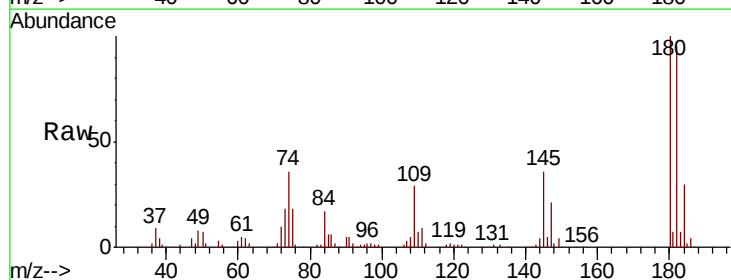
Tgt Ion:180 Resp: 125929

Ion Ratio Lower Upper

180 100

182 97.1 77.7 116.5

145 35.5 28.4 42.6



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

