

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040263.D
 Acq On : 24 Sep 2020 10:41
 Operator : SY/MD
 Sample : VSTD10034
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

Quant Time: Sep 25 09:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:11:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	416643	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	405494	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	209798	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	345793	120.06	ug/L	0.00
7) Chloroethane-d5	1.91	69	259973	101.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	665499	120.63	ug/L	0.00
21) 2-Butanone-d5	4.64	46	603289	236.12	ug/L	0.00
24) Chloroform-d	5.08	84	615630	117.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	427386	119.04	ug/L	0.00
32) Benzene-d6	5.74	84	1181400	109.05	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	390949	108.60	ug/L	0.00
41) Toluene-d8	7.91	98	1088842	109.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	204164	116.88	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	395122	201.11	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	561341	106.80	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	406788	105.85	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	284815	98.191	ug/L	100
3) Chloromethane	1.53	50	349255	101.019	ug/L	98
5) Vinyl chloride	1.61	62	350943	95.996	ug/L	98
6) Bromomethane	1.85	94	190930	87.466	ug/L	100
8) Chloroethane	1.93	64	217032	93.428	ug/L	97
9) Trichlorofluoromethane	2.14	101	471260	105.108	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	297567	109.187	ug/L	99
12) 1,1-Dichloroethene	2.59	96	282924	108.184	ug/L	97
13) Acetone	2.63	43	571022	212.830	ug/L	99
14) Carbon disulfide	2.80	76	909512	114.138	ug/L	99
15) Methyl Acetate	2.96	43	450268	116.978	ug/L	99
16) Methylene chloride	3.06	84	333814	103.779	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	298458	106.910	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	1025164	106.816	ug/L	100
19) 1,1-Dichloroethane	3.89	63	619171	110.253	ug/L	100
20) cis-1,2-Dichloroethene	4.68	96	336539	106.937	ug/L	100
22) 2-Butanone	4.72	43	735598	230.897	ug/L	99
23) Bromochloromethane	4.99	128	168040	111.385	ug/L	99
25) Chloroform	5.11	83	624941	113.824	ug/L	97
27) 1,2-Dichloroethane	5.81	62	522068	113.346	ug/L	99
29) Cyclohexane	5.40	56	579291	107.614	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	524617	115.181	ug/L	99
31) Carbon tetrachloride	5.54	117	453054	121.319	ug/L	100
33) Benzene	5.79	78	1316703	104.380	ug/L	100
34) Trichloroethene	6.56	95	334447	106.490	ug/L	97
35) Methylcyclohexane	6.77	83	542741	100.252	ug/L	99
37) 1,2-Dichloropropane	6.80	63	361929	105.781	ug/L	99
38) Bromodichloromethane	7.11	83	468746	111.516	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	575176	106.744	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	1275605	232.867	ug/L	99

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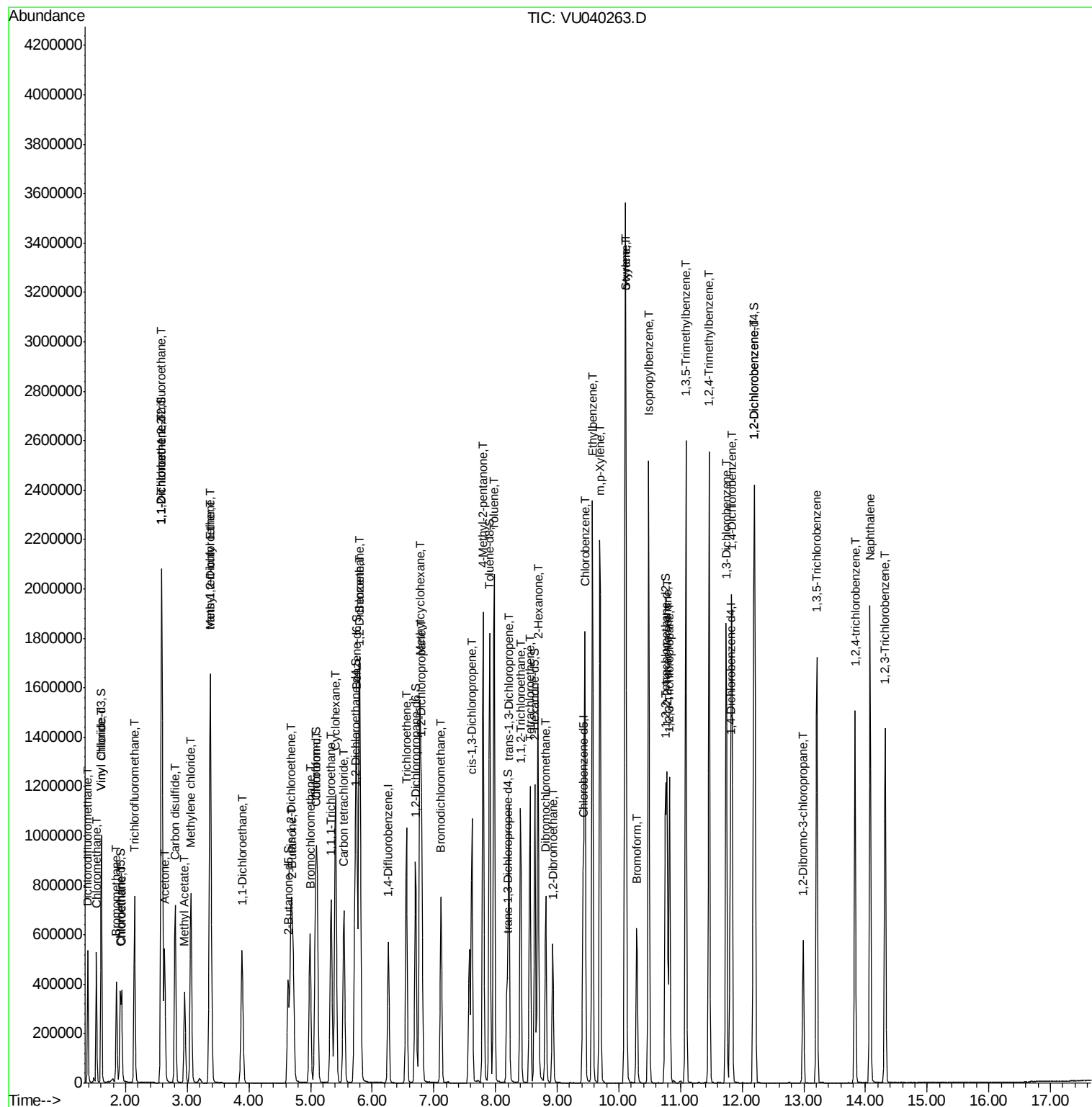
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1380175	101.957	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	567420	117.445	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	319173	103.310	ug/L	98
46) Tetrachloroethene	8.56	164	237583	107.508	ug/L	98
48) 2-Hexanone	8.69	43	1030713	229.667	ug/L	100
49) Dibromochloromethane	8.82	129	359034	115.803	ug/L	98
50) 1,2-Dibromoethane	8.93	107	348967	107.045	ug/L	100
51) Chlorobenzene	9.45	112	864253	105.066	ug/L	99
52) Ethylbenzene	9.57	91	1567636	105.320	ug/L	99
53) m,p-Xylene	9.69	106	579583	105.726	ug/L	99
54) o-xylene	10.10	106	563873	103.783	ug/L	96
55) Styrene	10.11	104	976936	107.231	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	569709	103.251	ug/L	99
59) Bromoform	10.29	173	256042	108.244	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	483058	97.679	ug/L	98
61) Isopropylbenzene	10.48	105	1504353	96.809	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	1292555	97.642	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	1318505	99.049	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	682066	102.748	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	689540	102.404	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	676893	100.812	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	143110	101.459	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	458360	99.711	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	403710	104.503	ug/L	99
71) Naphthalene	14.08	128	1380627	103.030	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	391668	100.462	ug/L	98

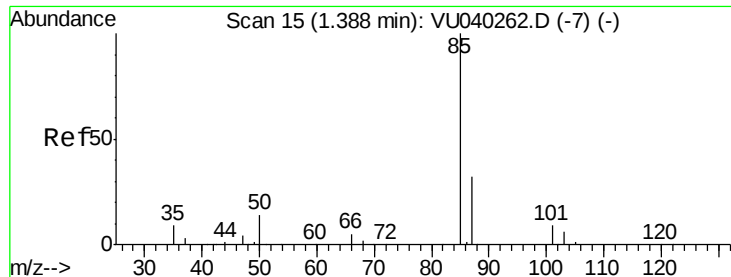
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 98.191 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

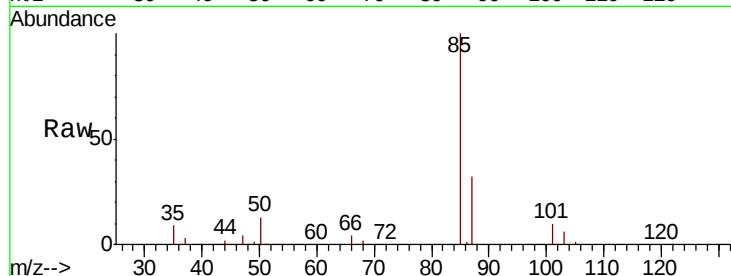
VSTD100204

Tot Ion: 85 Resp: 284815

Ion Ratio Lower Upper

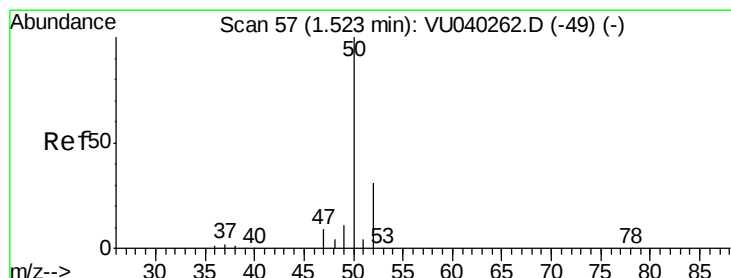
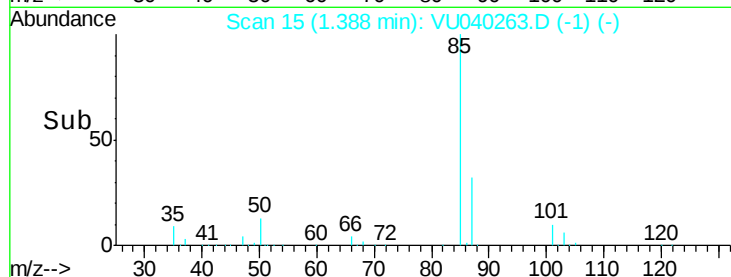
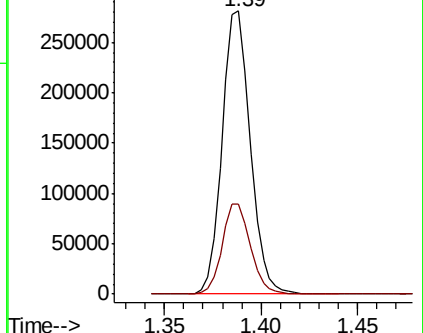
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU040263.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040263.D (-1) (-)



#3

Chloromethane

Concen: 101.019 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040263.D

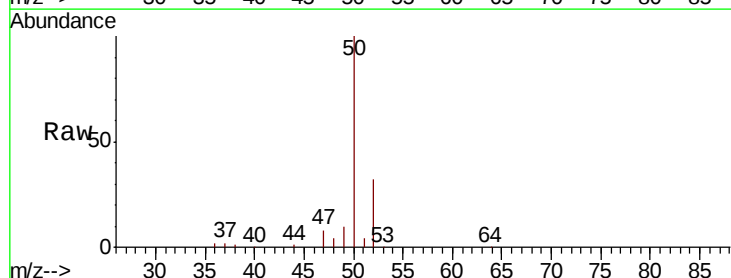
Acq: 24 Sep 2020 10:41

Tgt Ion: 50 Resp: 349255

Ion Ratio Lower Upper

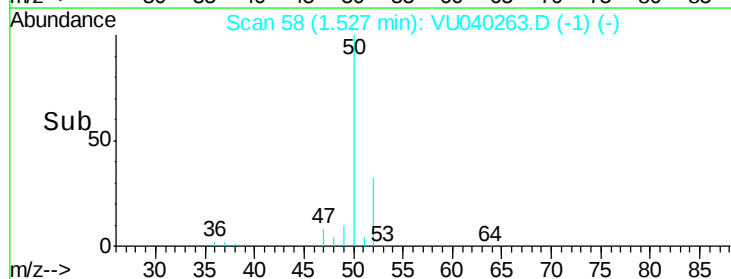
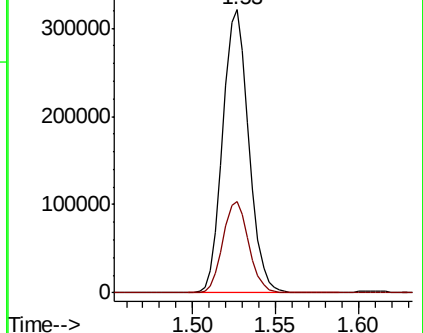
50 100

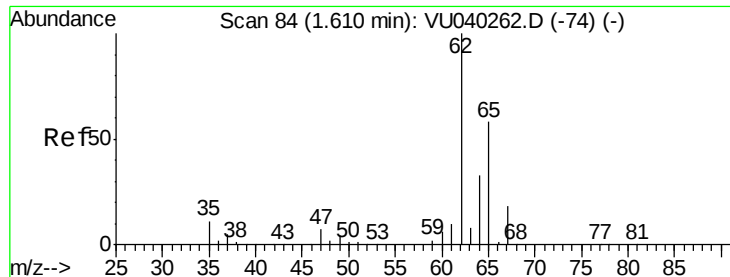
52 32.3 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VU040263.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040263.D (-1) (-)





#5

Vinyl chloride

Concen: 95.996 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

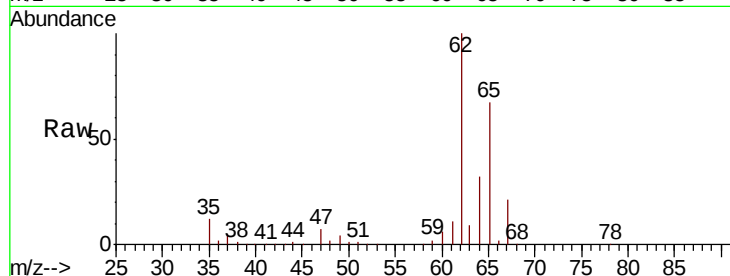
VSTD100204

Tot Ion: 62 Resp: 350943

Ion Ratio Lower Upper

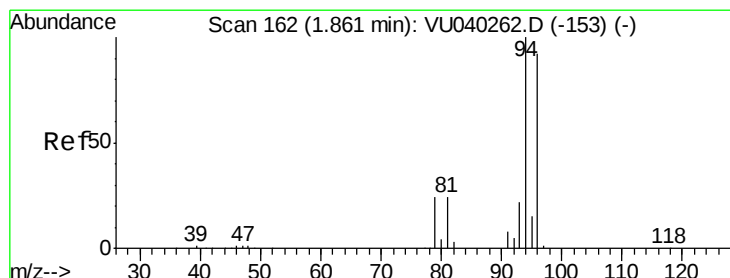
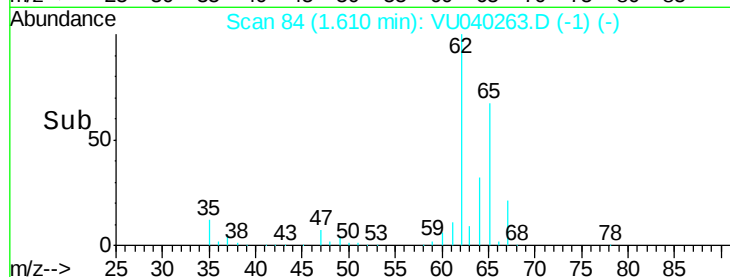
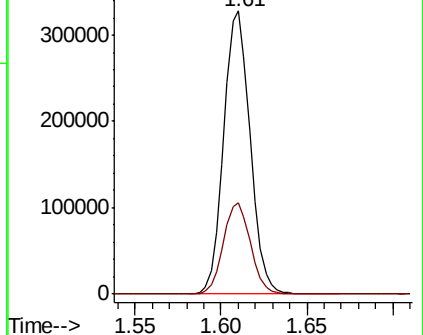
62 100

64 32.2 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU040263.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040263.D (-1) (-)



#6

Bromomethane

Concen: 87.466 ug/L

RT: 1.85 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU040263.D

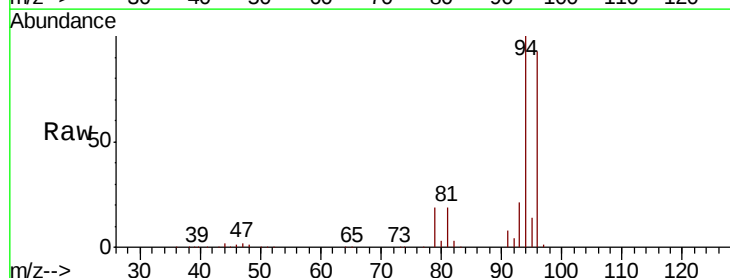
Acq: 24 Sep 2020 10:41

Tgt Ion: 94 Resp: 190930

Ion Ratio Lower Upper

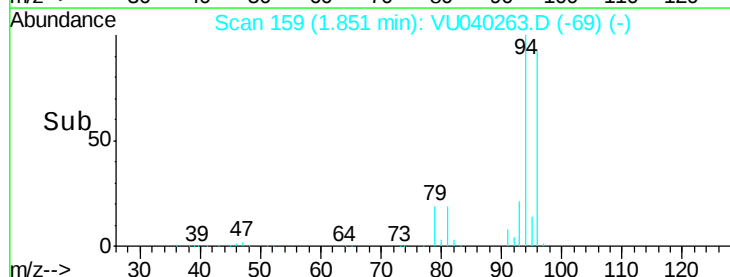
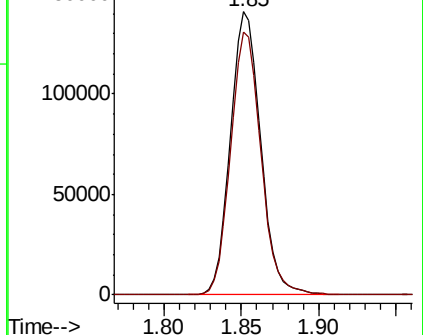
94 100

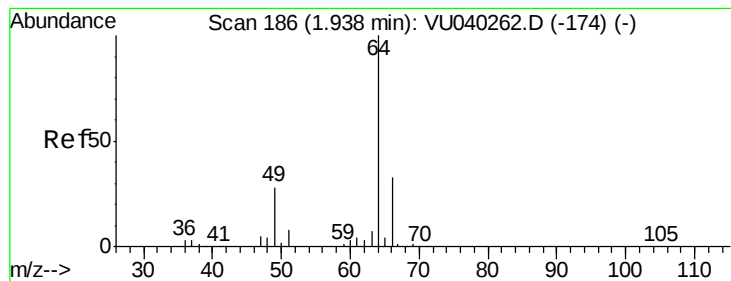
96 92.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU040263.D (-69) (-)

Ion 96.00 (95.70 to 96.70): VU040263.D (-69) (-)





#8

Chloroethane

Concen: 93.428 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

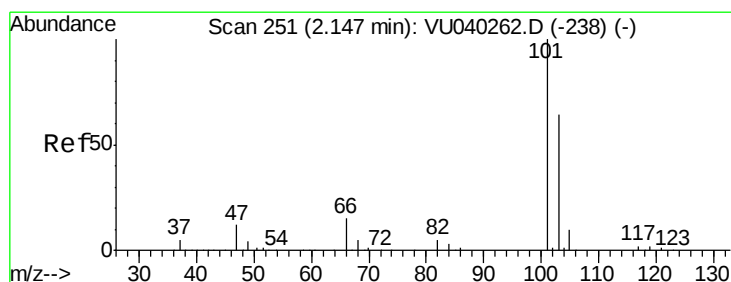
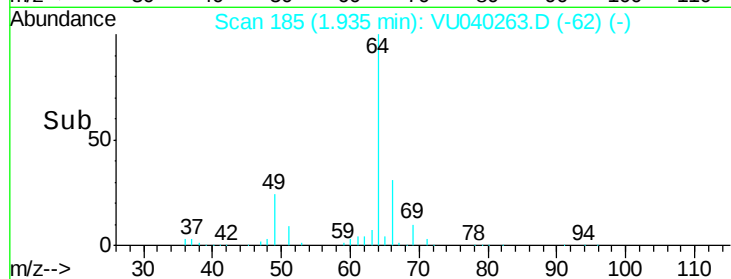
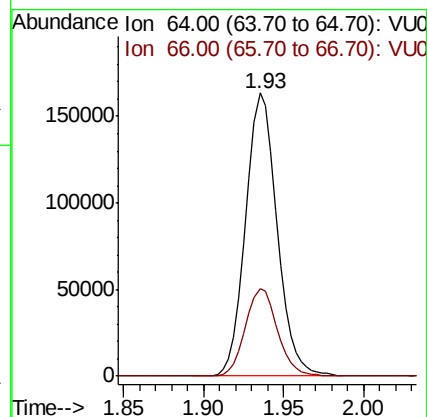
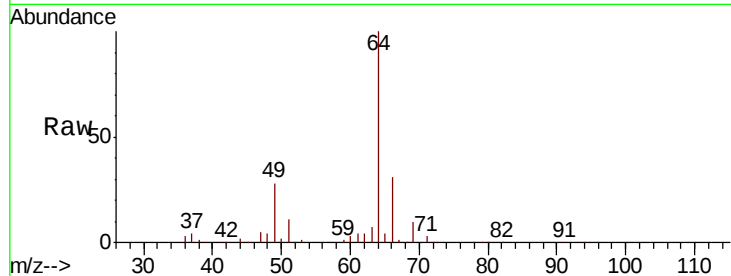
VSTD100204

Tot Ion: 64 Resp: 217032

Ion Ratio Lower Upper

64 100

66 31.0 22.8 42.4



#9

Trichlorofluoromethane

Concen: 105.108 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU040263.D

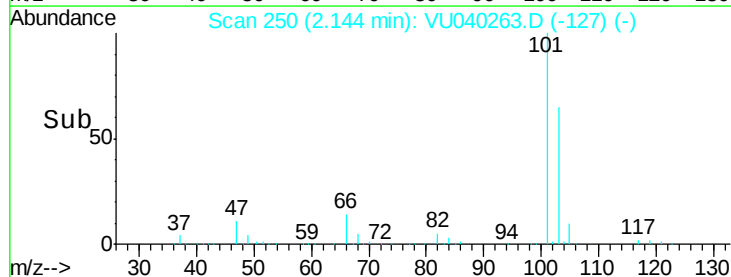
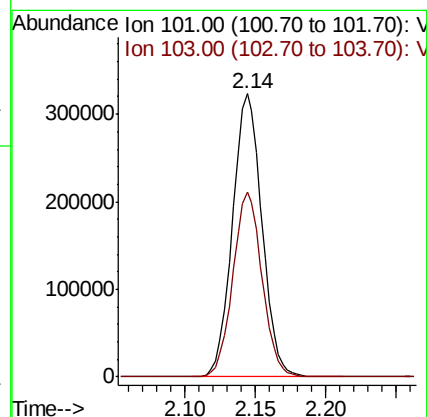
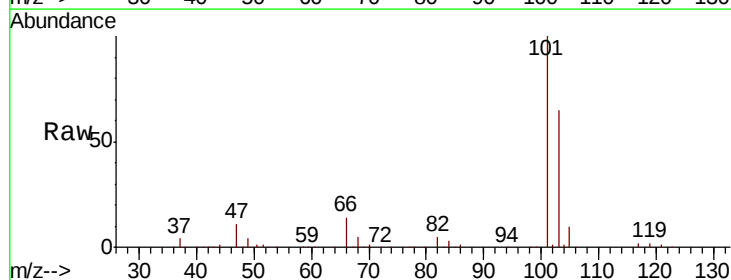
Acq: 24 Sep 2020 10:41

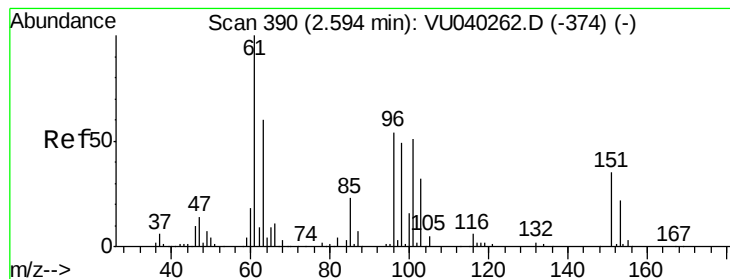
Tgt Ion: 101 Resp: 471260

Ion Ratio Lower Upper

101 100

103 64.8 50.9 76.3





#10

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

Concen: 109.187 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

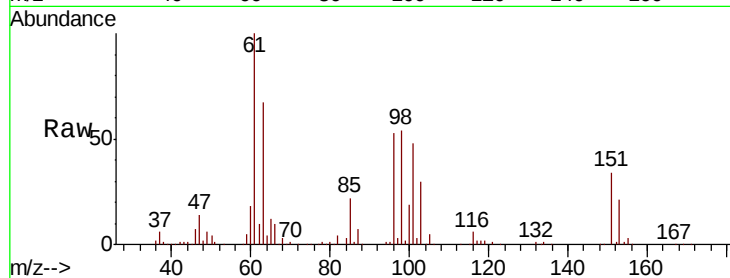
Tot Ion:101 Resp: 297567

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

151 69.1 54.5 81.7

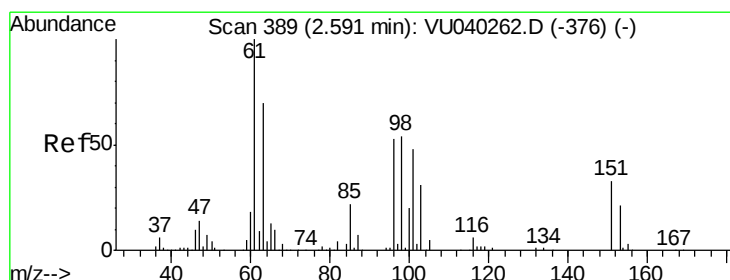
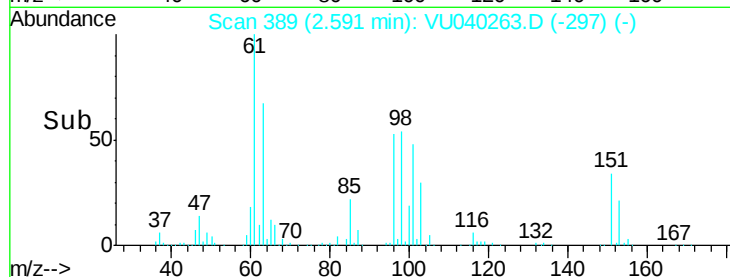


Abundance Ion 101.00 (100.70 to 101.70): VU040262.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU040262.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU040262.D (-374) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 108.184 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

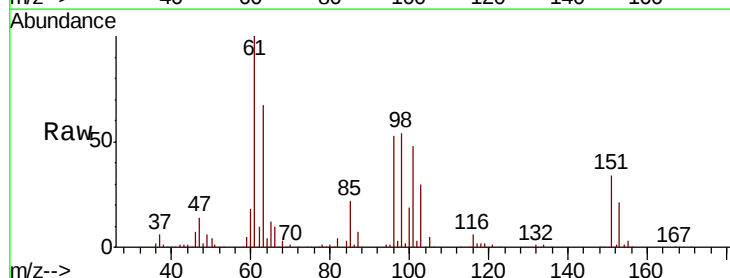
Tgt Ion: 96 Resp: 282924

Ion Ratio Lower Upper

96 100

61 188.4 131.8 244.8

63 126.2 94.1 174.7

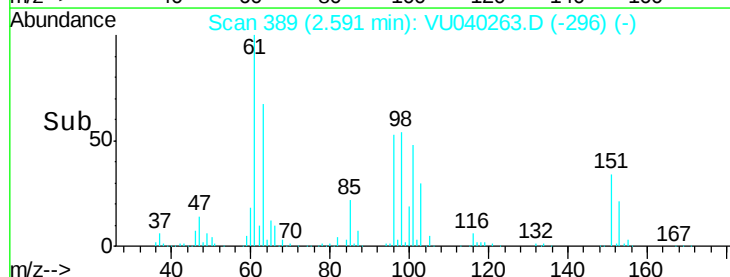


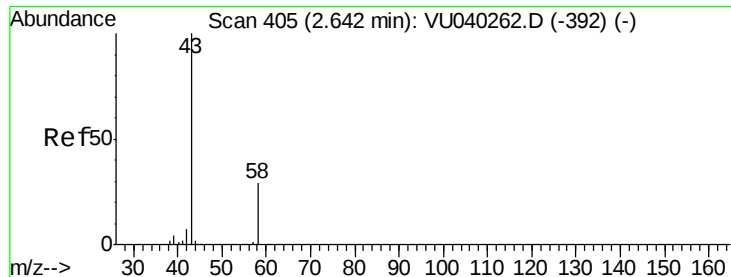
Abundance Ion 96.00 (95.70 to 96.70): VU040262.D (-376) (-)

Ion 61.00 (60.70 to 61.70): VU040262.D (-376) (-)

Ion 63.00 (62.70 to 63.70): VU040262.D (-376) (-)

Time-->





#13

Acetone

Concen: 212.830 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.01 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

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ClientSampleId :

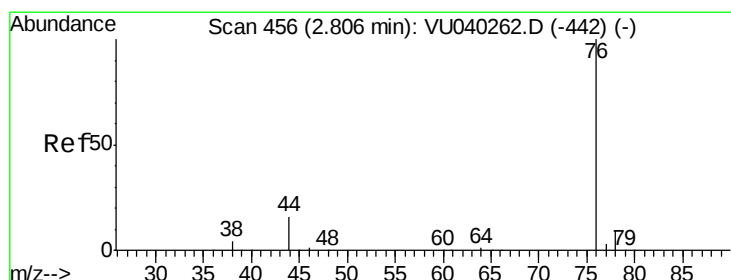
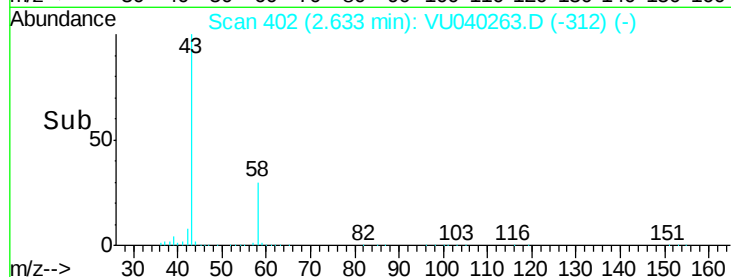
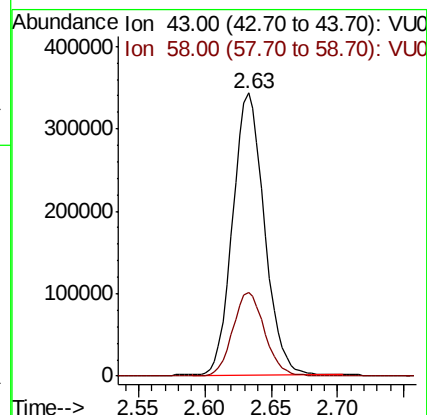
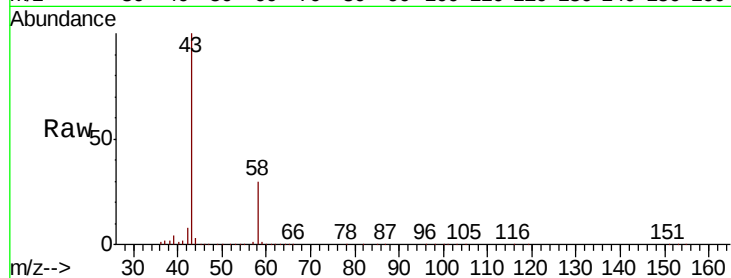
VSTD100204

Tot Ion: 43 Resp: 571022

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.2



#14

Carbon disulfide

Concen: 114.138 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040263.D

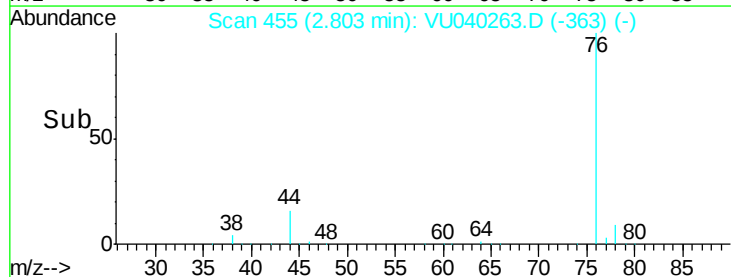
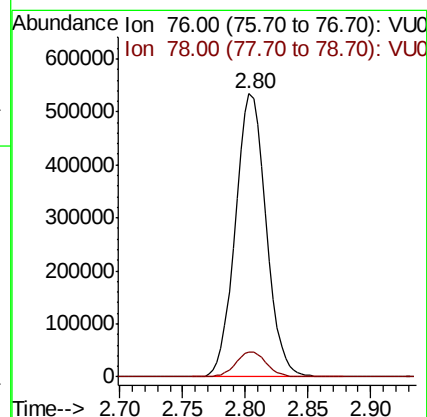
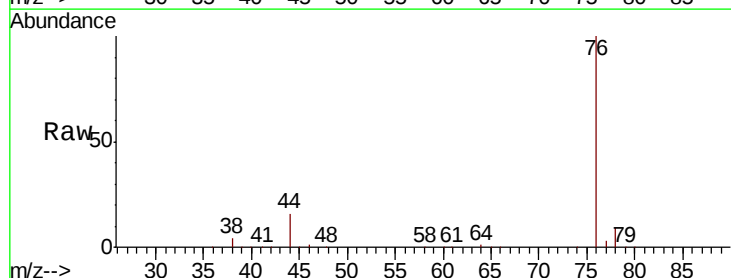
Acq: 24 Sep 2020 10:41

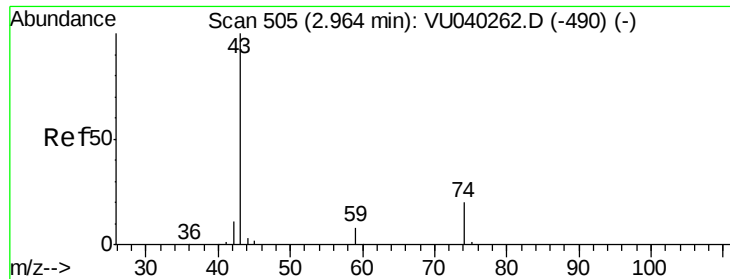
Tgt Ion: 76 Resp: 909512

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2





#15

Methvl Acetate

Concen: 116.978 ug/L

RT: 2.96 min Scan# 503

Delta R.T. -0.01 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampled :

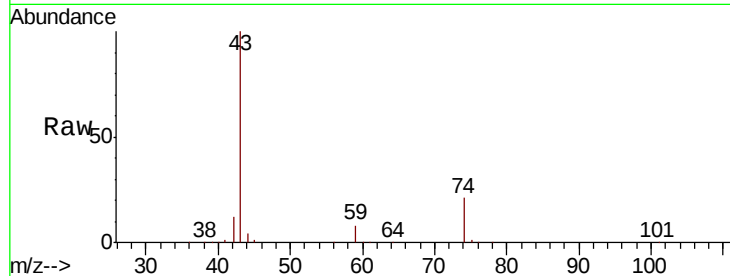
VSTD100204

Tot Ion: 43 Resp: 450268

Ion Ratio Lower Upper

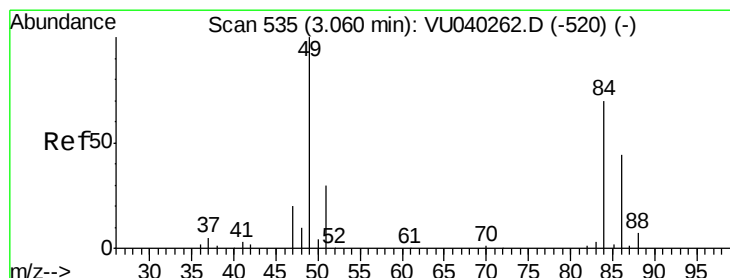
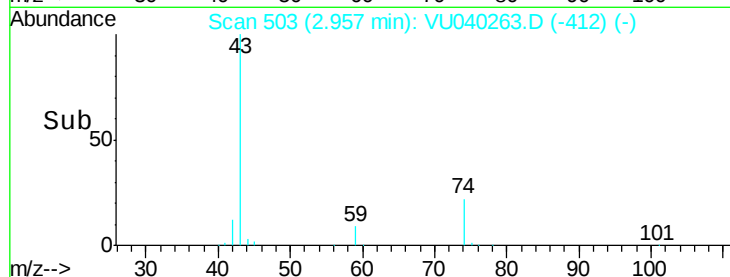
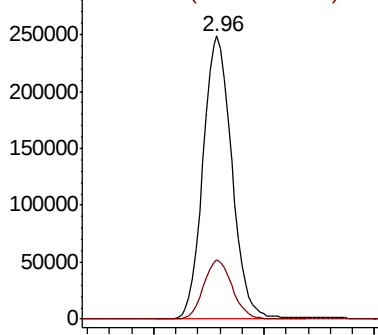
43 100

74 20.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 103.779 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

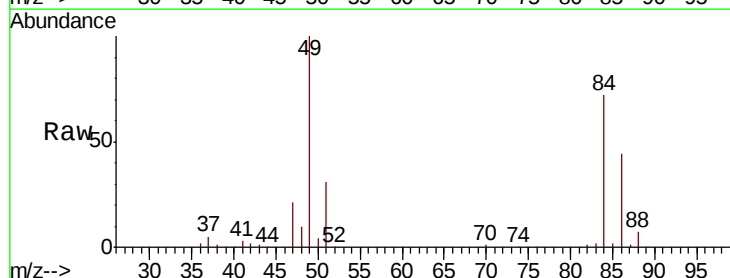
Tgt Ion: 84 Resp: 333814

Ion Ratio Lower Upper

84 100

86 62.0 43.9 81.5

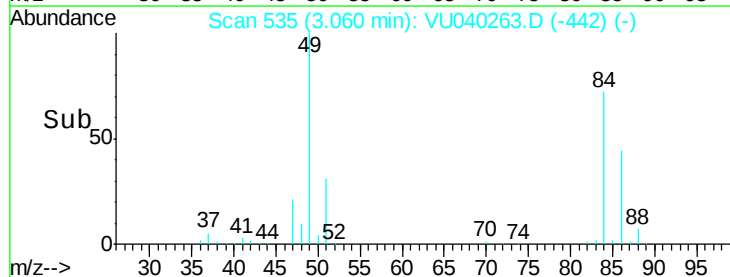
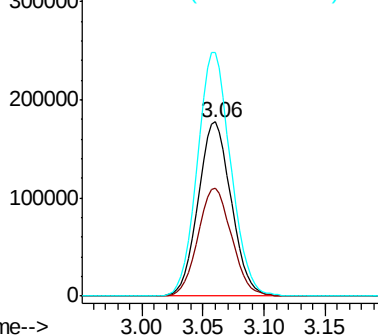
49 139.8 99.7 185.1

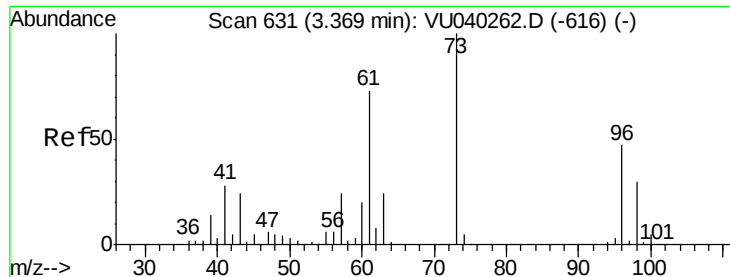


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 106.910 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

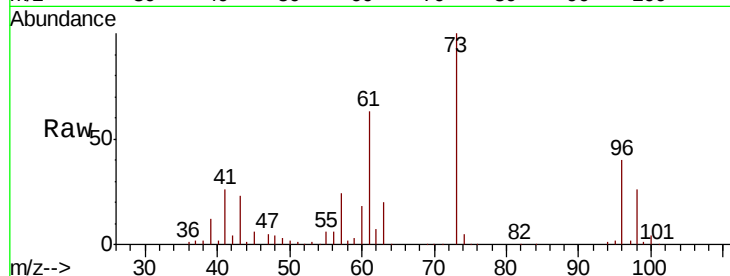
Tot Ion: 96 Resp: 298458

Ion Ratio Lower Upper

96 100

61 159.7 108.1 200.9

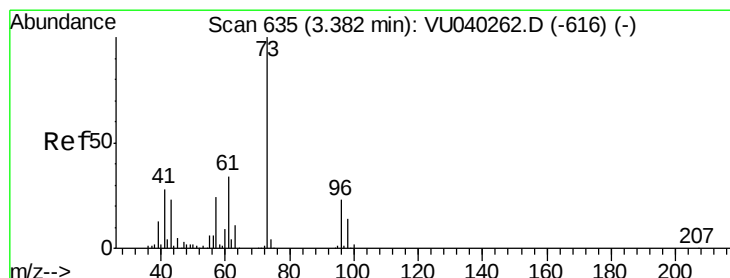
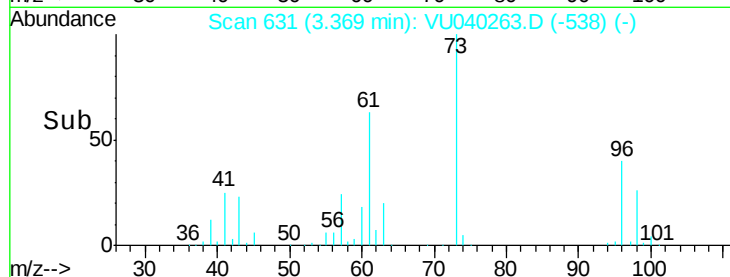
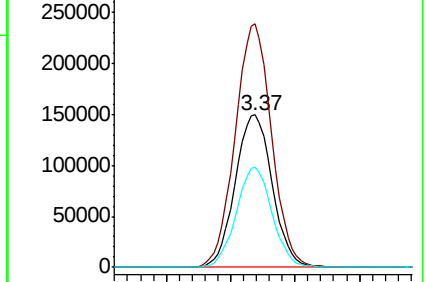
98 65.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU040263.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040263.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040263.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 106.816 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

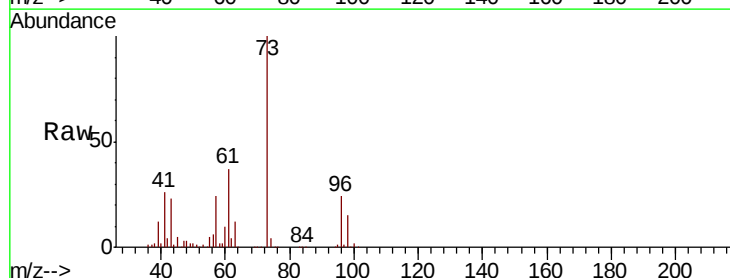
Tgt Ion: 73 Resp: 1025164

Ion Ratio Lower Upper

73 100

43 23.0 18.5 27.7

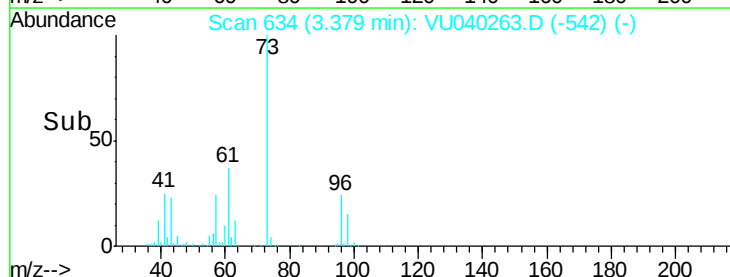
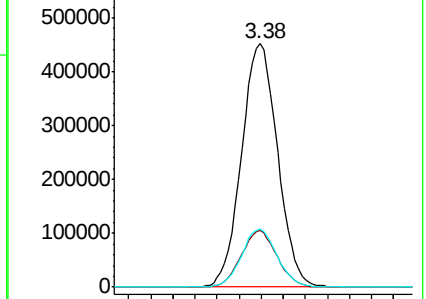
57 23.6 18.8 28.2

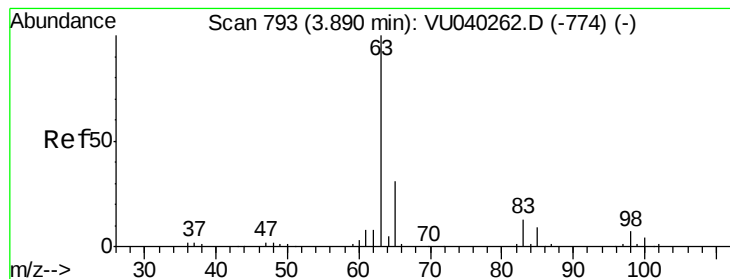


Abundance Ion 73.00 (72.70 to 73.70): VU040263.D (-542) (-)

Ion 43.00 (42.70 to 43.70): VU040263.D (-542) (-)

Ion 57.00 (56.70 to 57.70): VU040263.D (-542) (-)





#19

1,1-Dichloroethane

Concen: 110.253 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

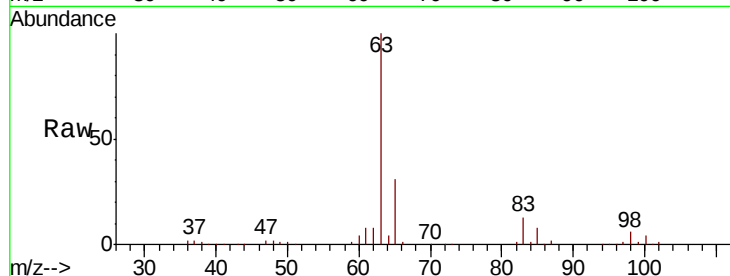
Tot Ion: 63 Resp: 619171

Ion Ratio Lower Upper

63 100

65 31.3 22.0 40.8

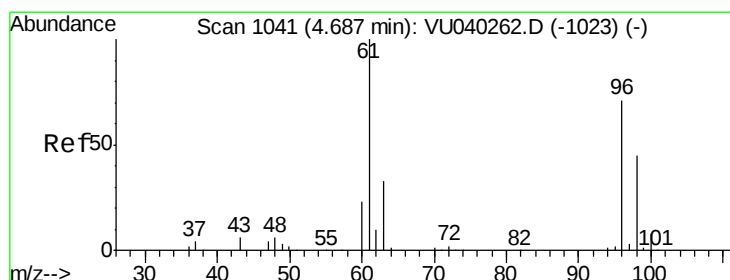
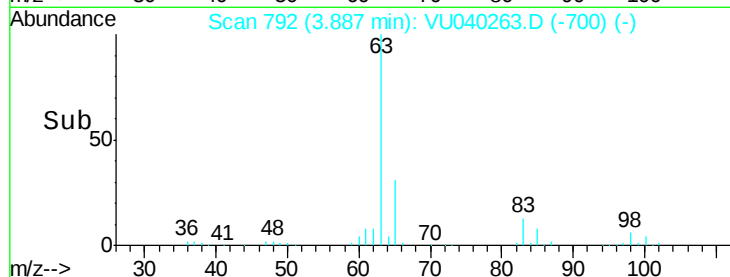
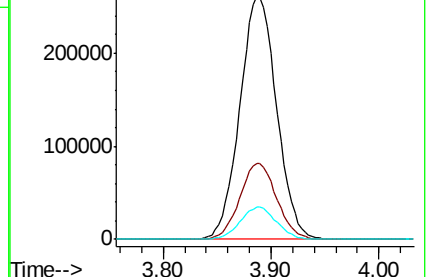
83 13.1 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU040263.D (-700) (-)

Ion 65.00 (64.70 to 65.70): VU040263.D (-700) (-)

Ion 83.00 (82.70 to 83.70): VU040263.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 106.937 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

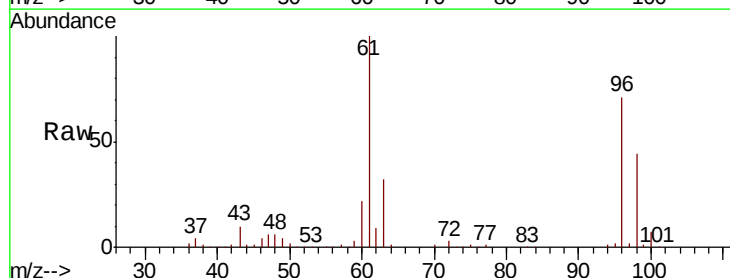
Tgt Ion: 96 Resp: 336539

Ion Ratio Lower Upper

96 100

61 140.4 98.6 183.0

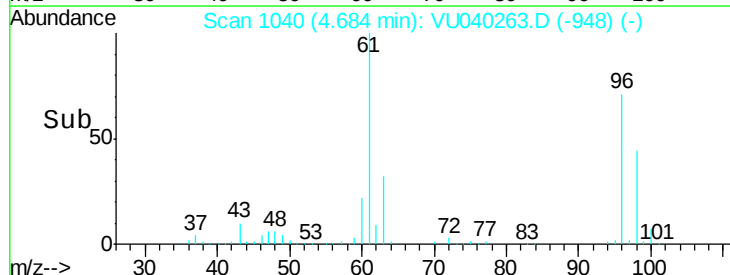
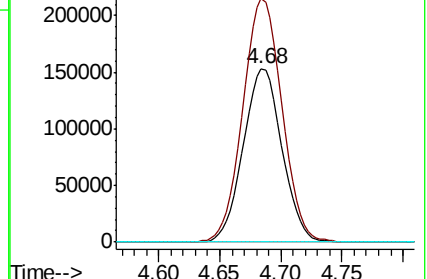
68 0.0 0.0 0.0

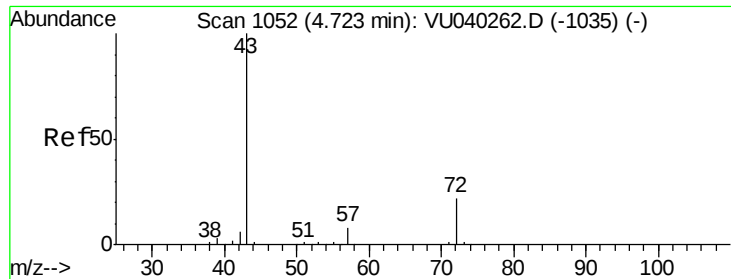


Abundance Ion 96.00 (95.70 to 96.70): VU040263.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU040263.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU040263.D (-948) (-)





#22

2-Butanone

Concen: 230.897 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

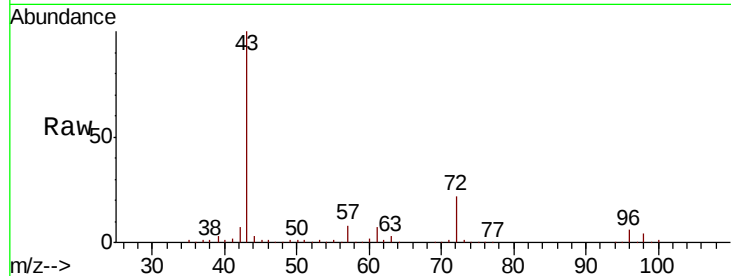
VSTD100204

Tot Ion: 43 Resp: 735598

Ion Ratio Lower Upper

43 100

72 23.3 11.5 34.4



Abundance Ion 43.00 (42.70 to 43.70): VU040263.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU040263.D (-959) (-)

4.72

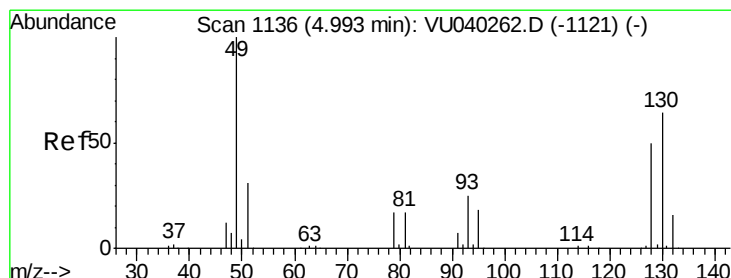
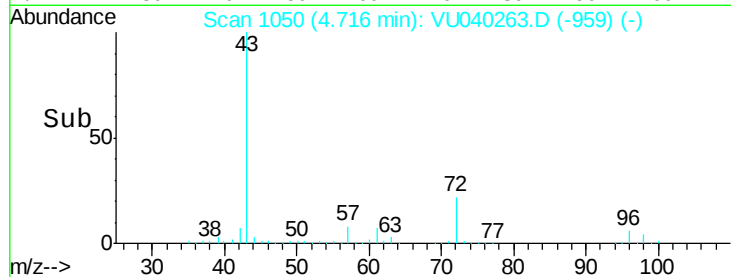
300000

200000

100000

0

Time--> 4.60 4.70 4.80



#23

Bromochloromethane

Concen: 111.385 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Tgt Ion: 128 Resp: 168040

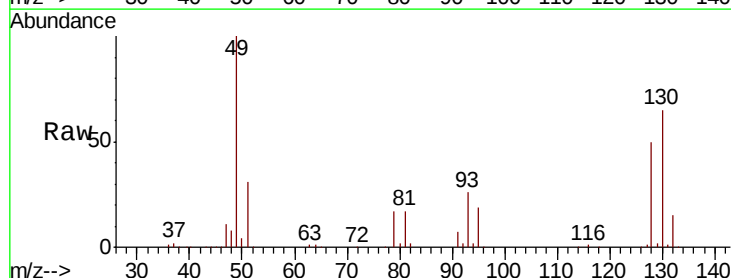
Ion Ratio Lower Upper

128 100

49 198.9 140.8 261.4

130 129.2 89.2 165.6

51 61.9 50.2 75.4



Abundance Ion 128.00 (127.70 to 128.70): VU040263.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040263.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040263.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040263.D (-1043) (-)

4.99

200000

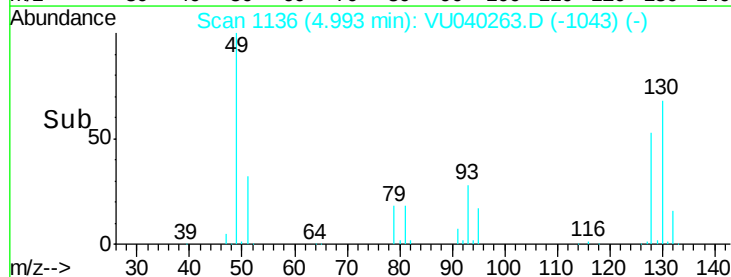
150000

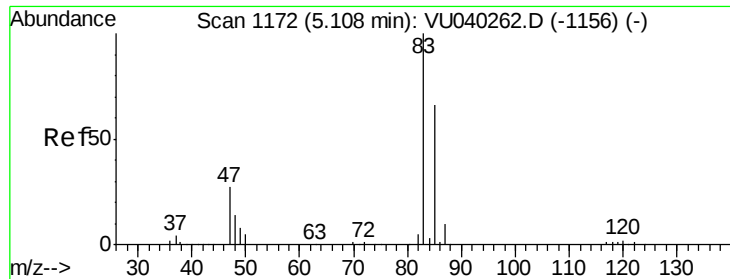
100000

50000

0

Time--> 4.90 4.95 5.00 5.05 5.10

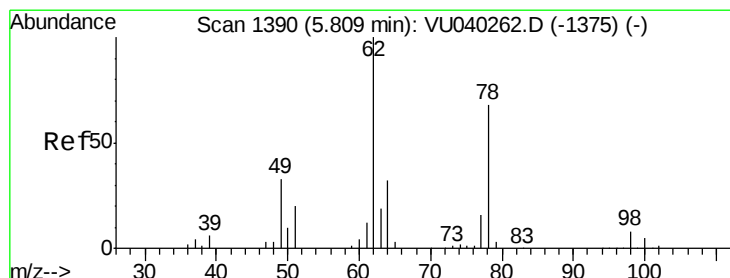
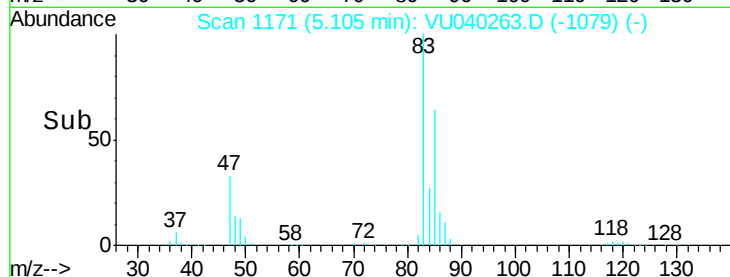
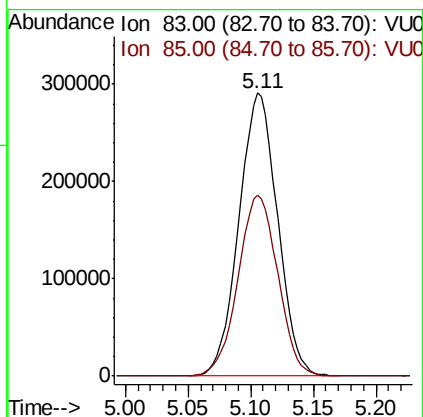
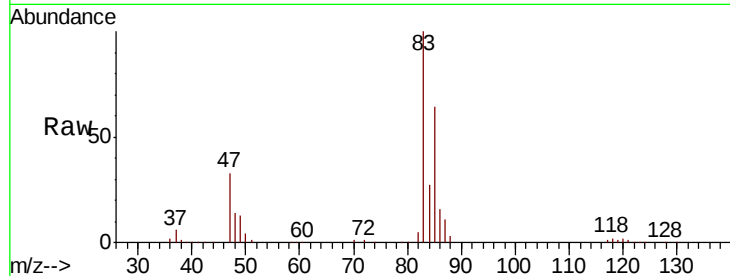




#25
Chloroform
Concen: 113.824 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

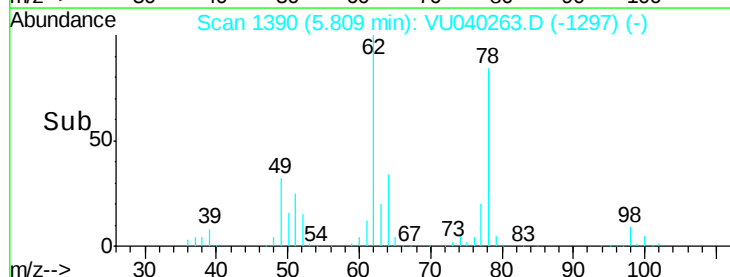
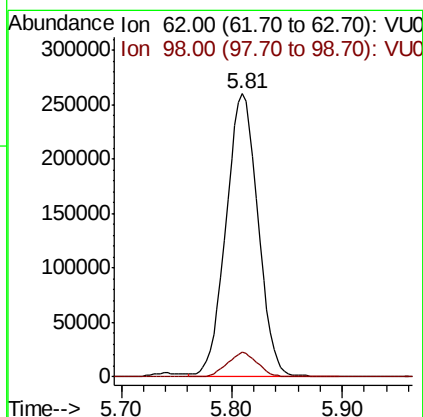
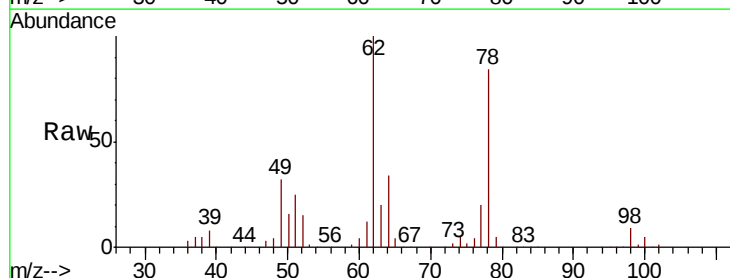
Instrument :
MSVOA_U
ClientSampleId :
VSTD100204

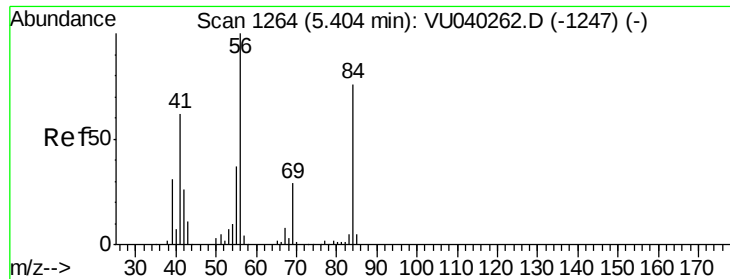
Tot Ion: 83 Resp: 624941
Ion Ratio Lower Upper
83 100
85 64.0 46.4 86.2



#27
1,2-Dichloroethane
Concen: 113.346 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

Tgt Ion: 62 Resp: 522068
Ion Ratio Lower Upper
62 100
98 8.6 6.5 9.7

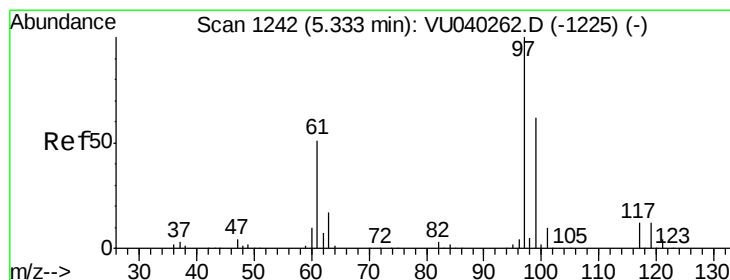
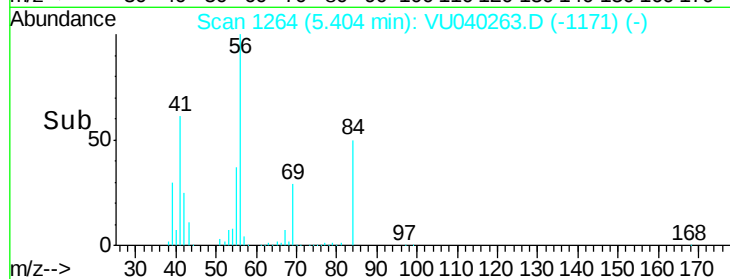
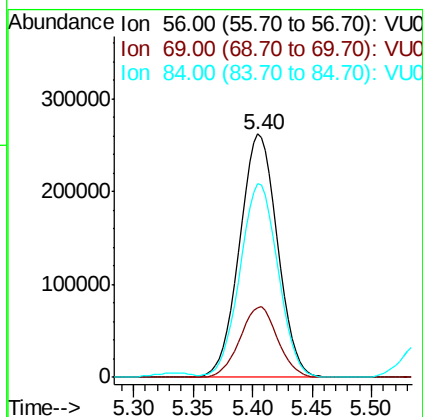
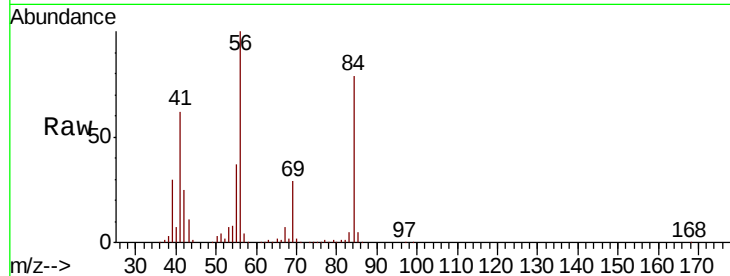




#29
Cyclohexane
Concen: 107.614 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

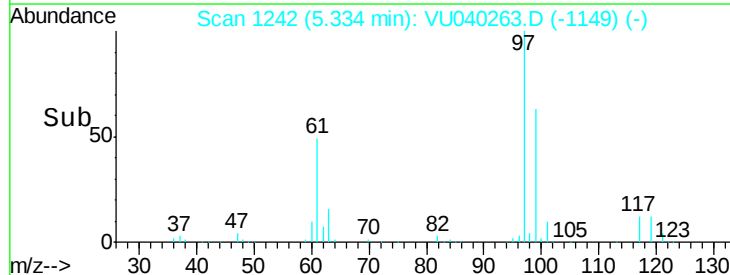
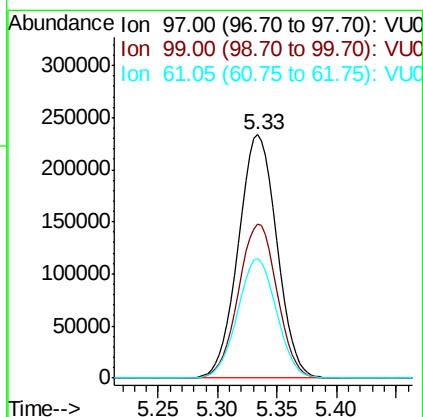
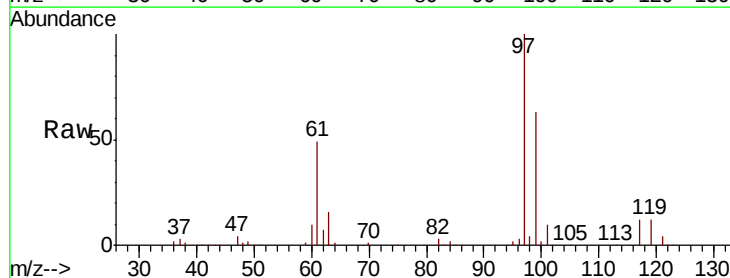
Instrument :
MSVOA_U
ClientSampleId :
VSTD100204

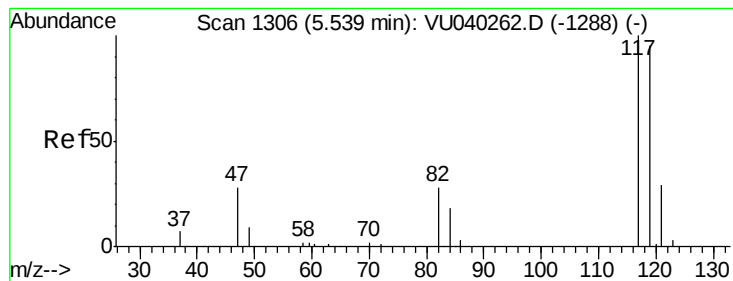
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.6	33.8
84	79.7	61.9	92.9



#30
1,1,1-Trichloroethane
Concen: 115.181 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	49.4	40.2	60.4





#31

Carbon tetrachloride

Concen: 121.319 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

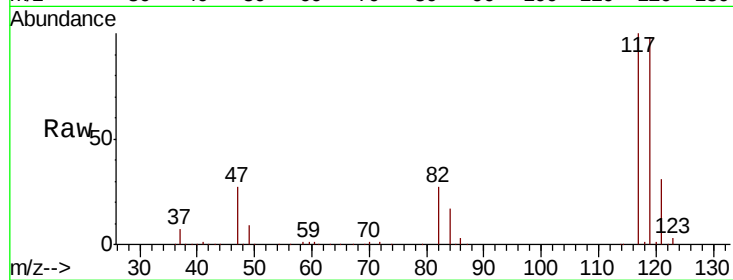
VSTD100204

Tot Ion:117 Resp: 453054

Ion Ratio Lower Upper

117 100

119 96.4 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.54

250000

200000

150000

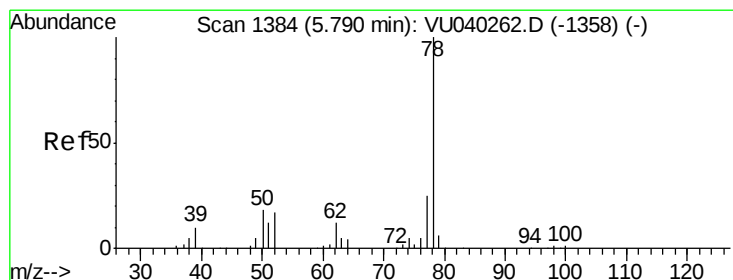
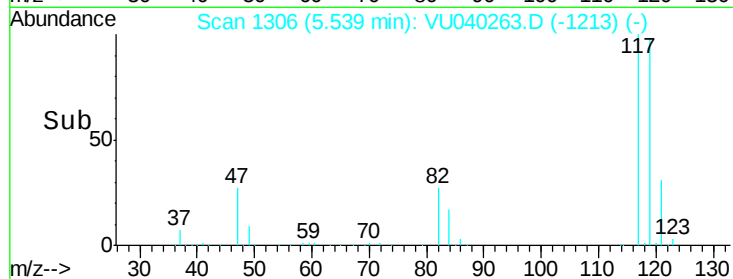
100000

50000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 104.380 ug/L

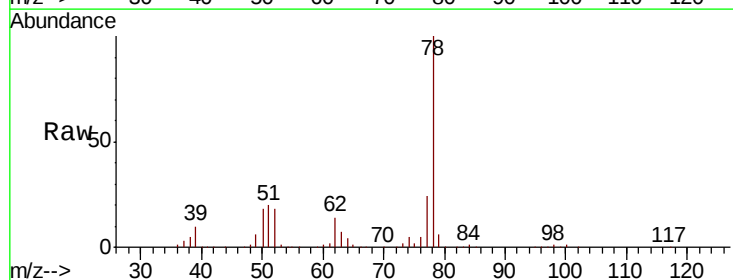
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Tgt Ion: 78 Resp: 1316703



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.79

600000

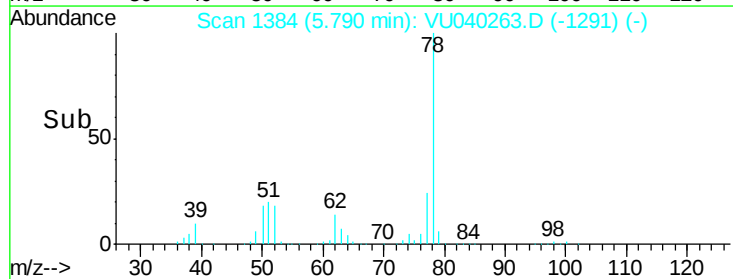
400000

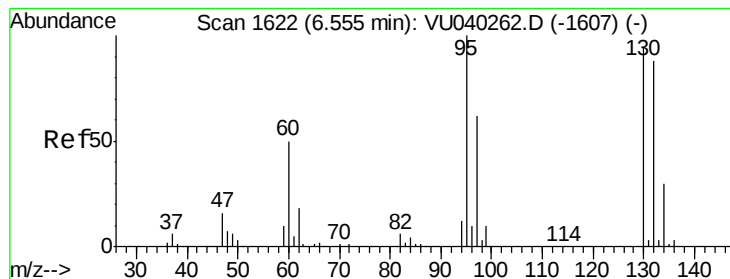
200000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 106.490 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

Tot Ion: 95 Resp: 334447

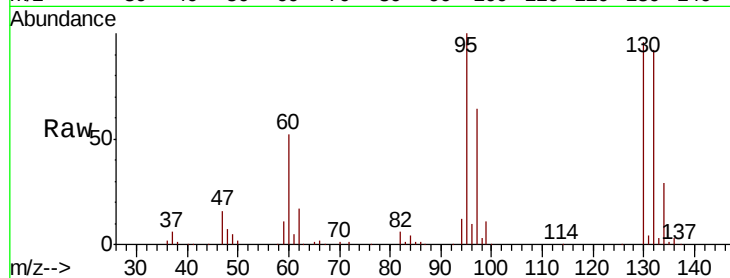
Ion Ratio Lower Upper

95 100

97 64.2 43.8 81.3

132 92.1 61.7 114.7

130 96.1 65.9 122.5

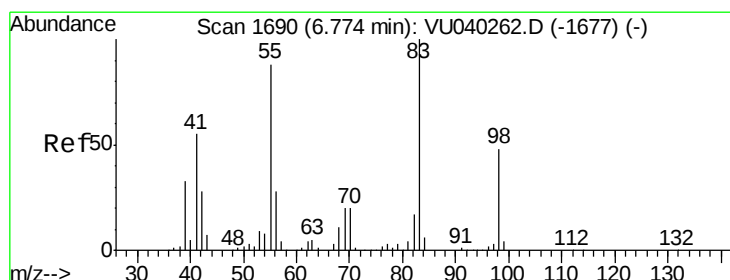
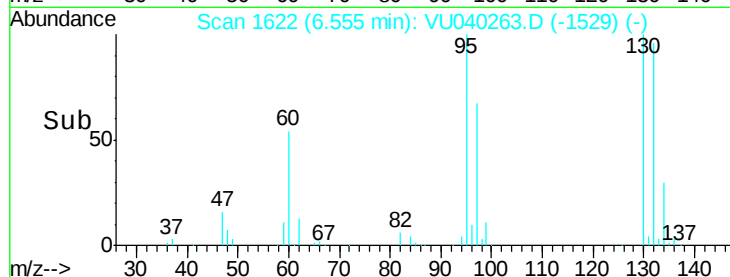
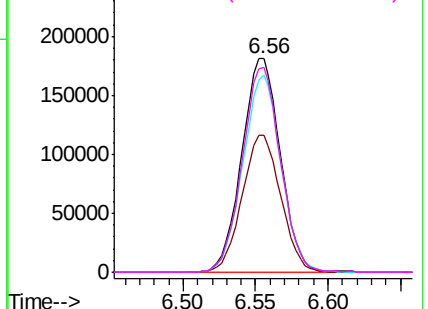


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 100.252 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

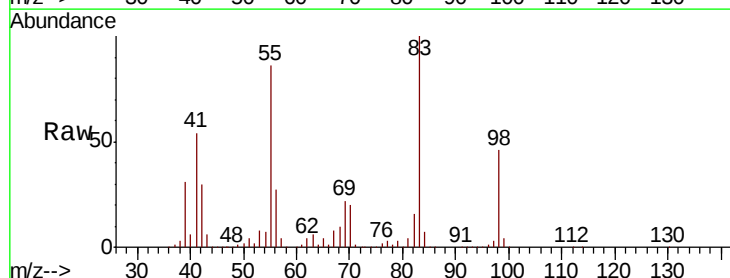
Tgt Ion: 83 Resp: 542741

Ion Ratio Lower Upper

83 100

55 86.6 69.4 104.0

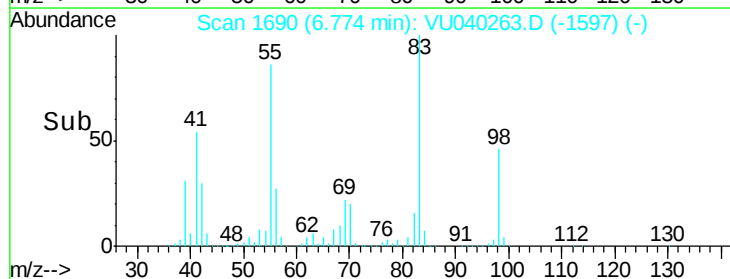
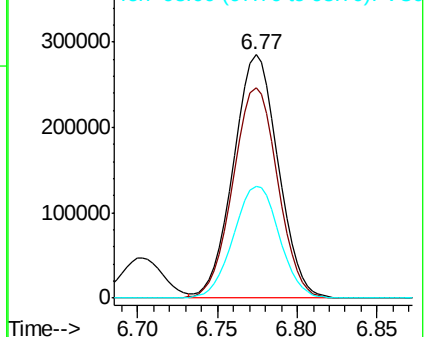
98 47.1 38.7 58.1

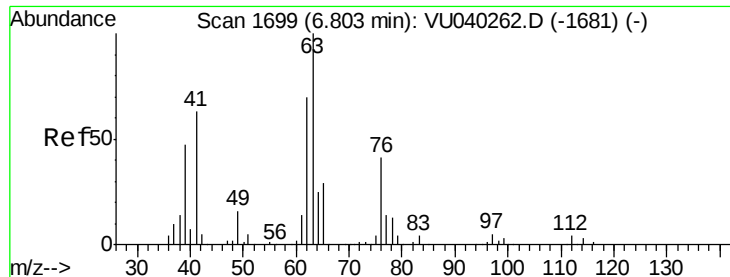


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

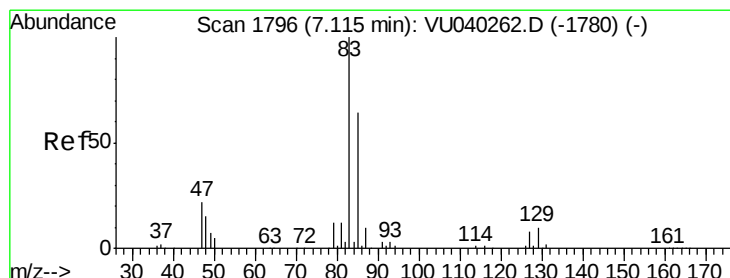
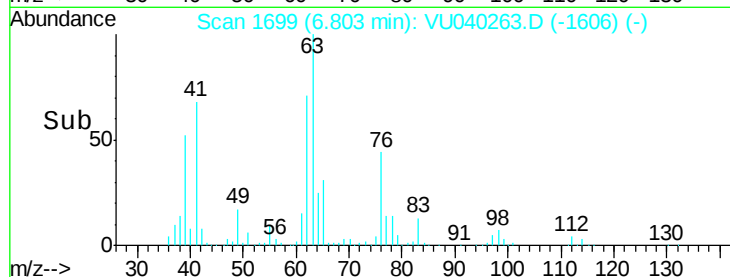
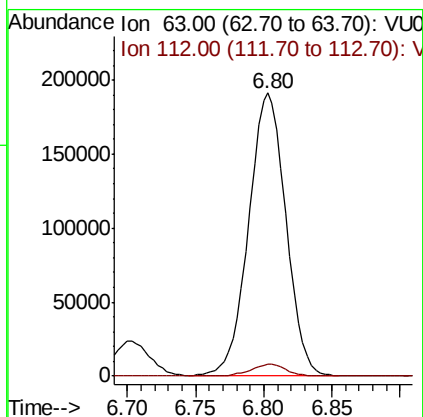
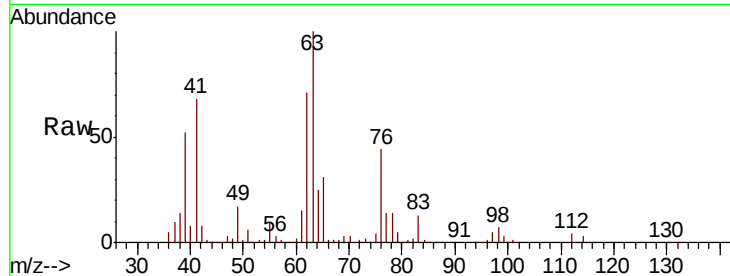




#37
 1,2-Dichloropropane
 Concen: 105.781 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

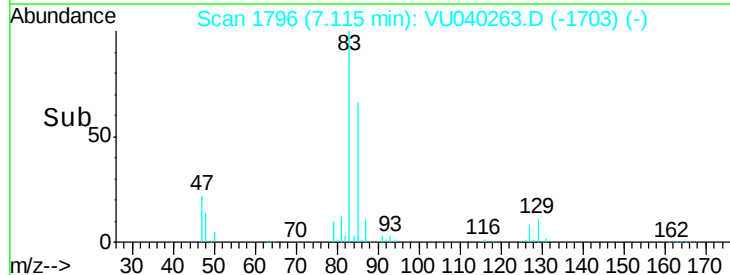
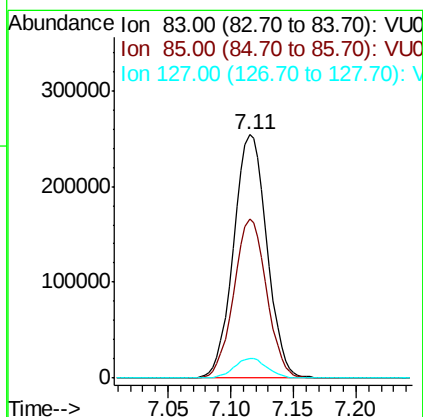
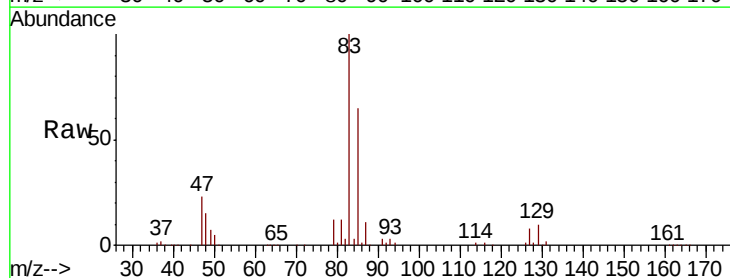
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

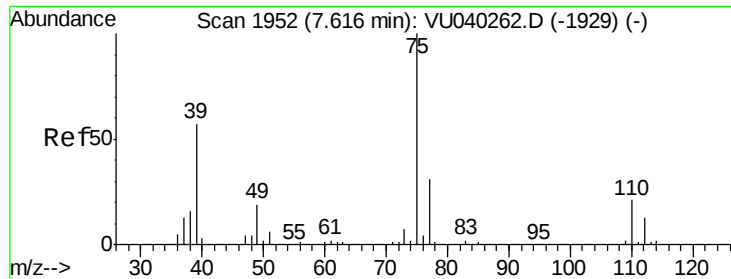
Tot Ion: 63 Resp: 361929
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 111.516 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion: 83 Resp: 468746
 Ion Ratio Lower Upper
 83 100
 85 65.5 44.9 83.5
 127 8.0 6.4 9.6

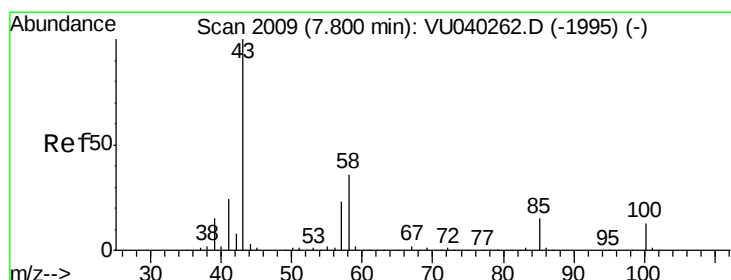
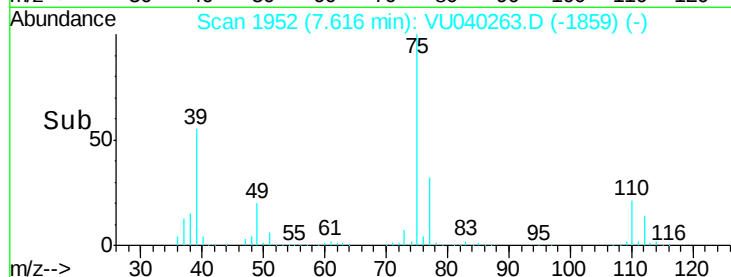
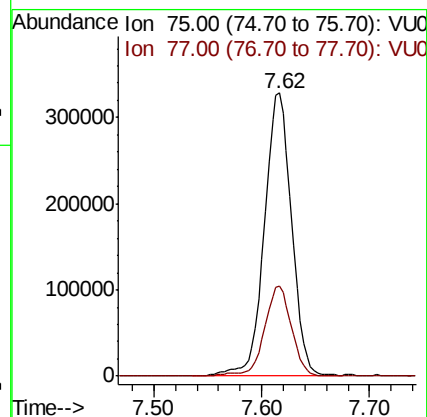
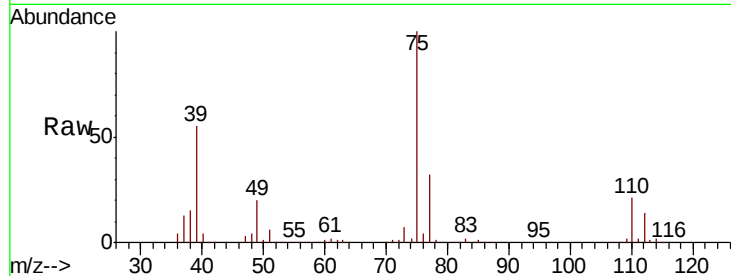




#39
 cis-1,3-Dichloropropene
 Concen: 106.744 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

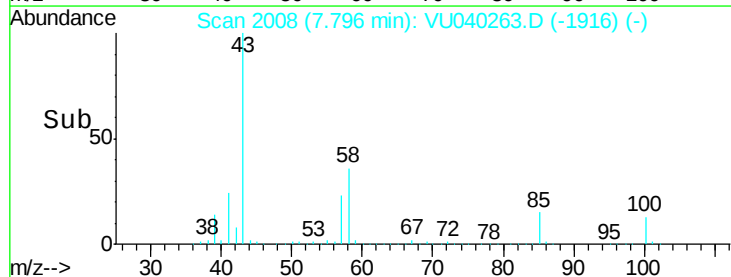
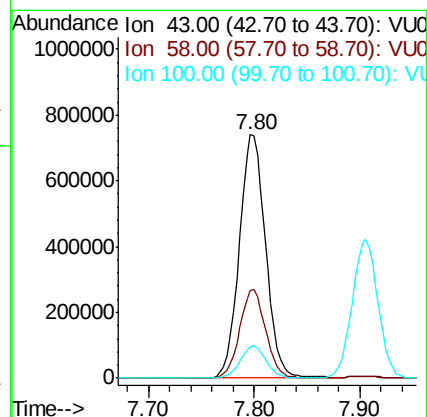
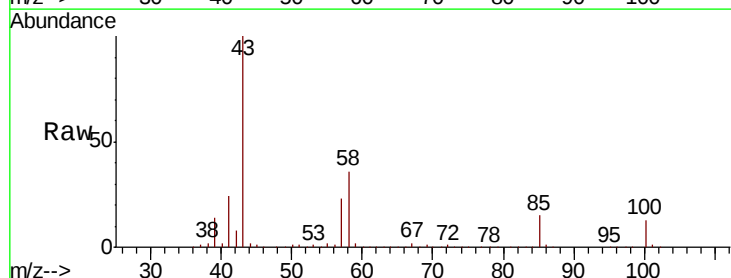
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

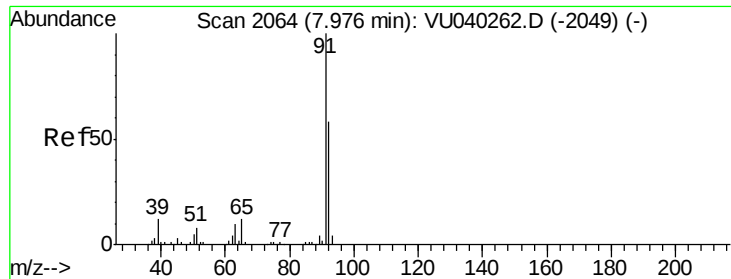
Tot Ion: 75 Resp: 575176
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 232.867 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion: 43 Resp: 1275605
 Ion Ratio Lower Upper
 43 100
 58 36.1 28.5 42.7
 100 12.9 10.0 15.0





#42

Toluene

Concen: 101.957 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

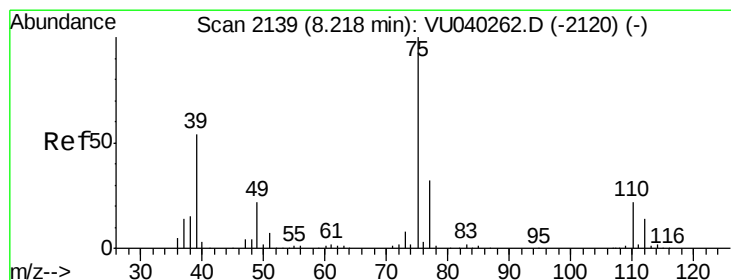
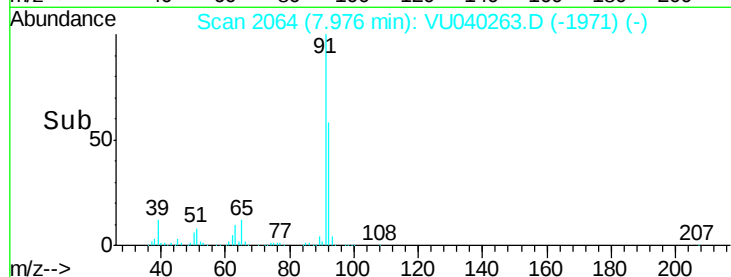
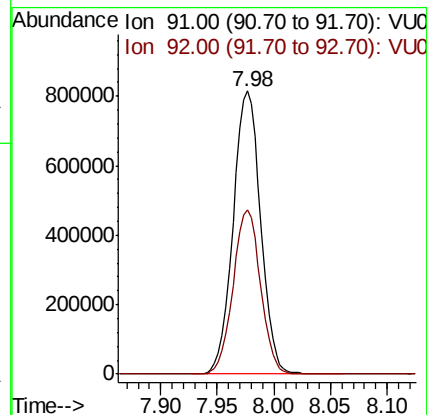
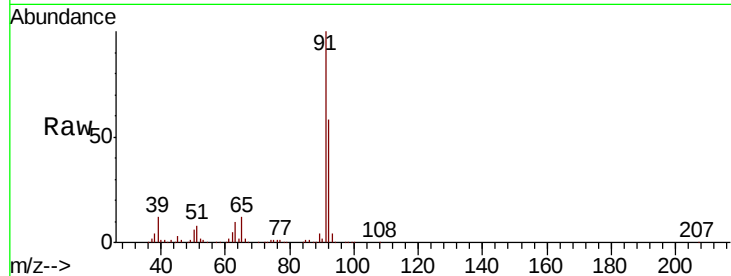
VSTD100204

Tot Ion: 91 Resp: 1380175

Ion Ratio Lower Upper

91 100

92 58.0 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 117.445 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040263.D

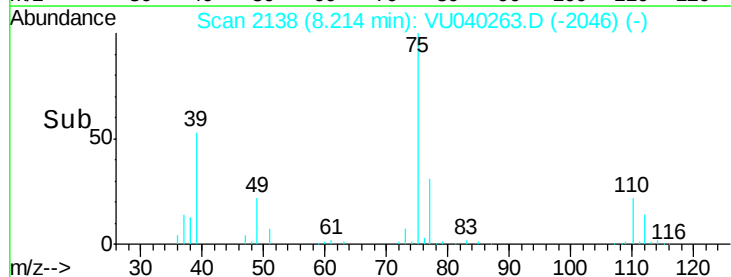
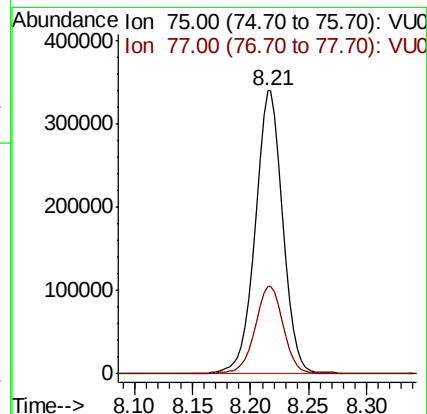
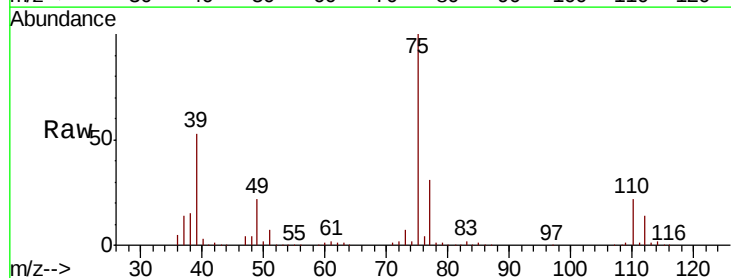
Acq: 24 Sep 2020 10:41

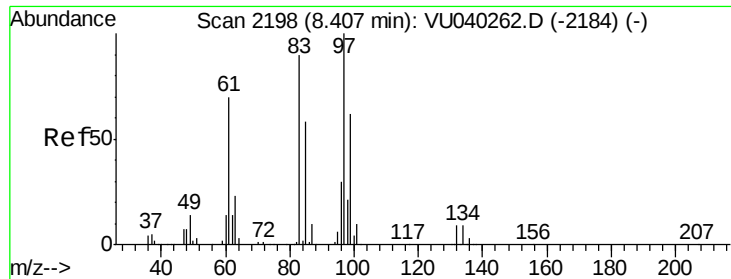
Tgt Ion: 75 Resp: 567420

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7

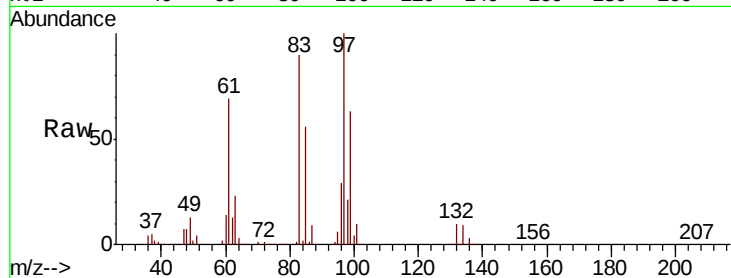




#45
 1,1,2-Trichloroethane
 Concen: 103.310 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

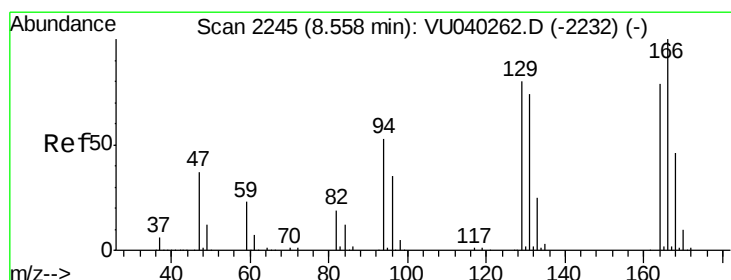
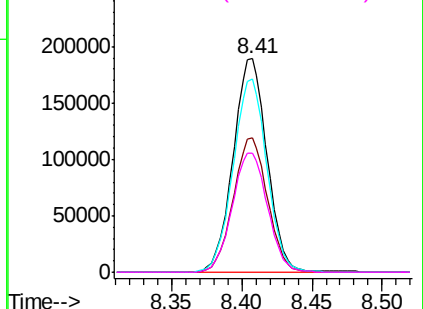
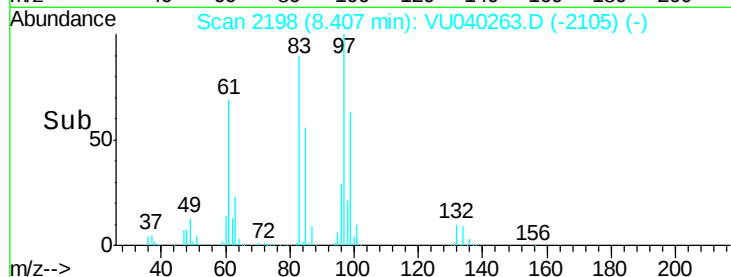
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

Tot Ion:	97	Resp:	319173
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.3	80.5
83	90.5	62.7	116.5
85	55.9	40.7	75.5



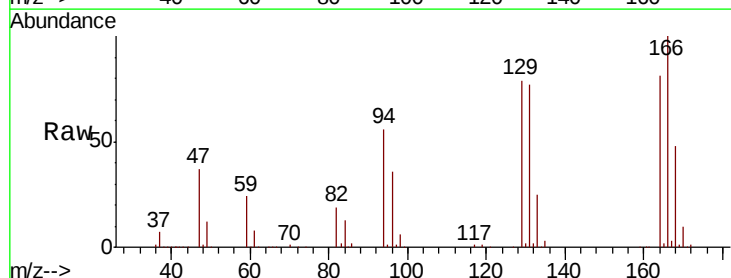
Abundance

Ion 97.00 (96.70 to 97.70): VU040263.D (-2105) (-)



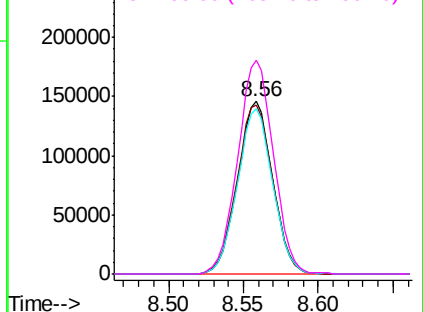
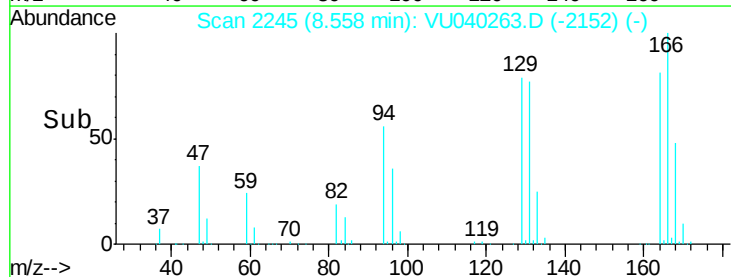
#46
 Tetrachloroethene
 Concen: 107.508 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

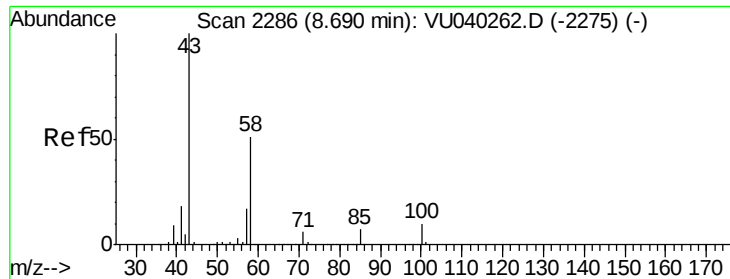
Tgt Ion:	164	Resp:	237583
Ion	Ratio	Lower	Upper
164	100		
129	97.8	70.5	130.9
131	95.7	65.7	121.9
166	123.9	88.5	164.4



Abundance

Ion 164.00 (163.70 to 164.70): VU040263.D (-2152) (-)

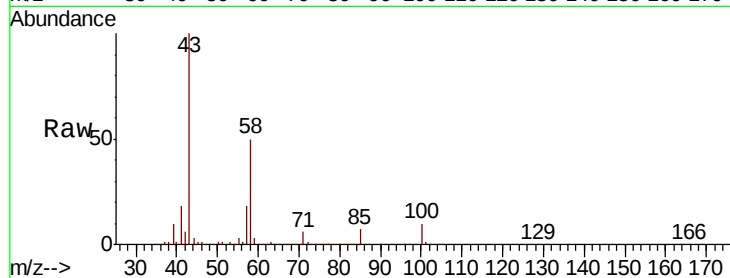




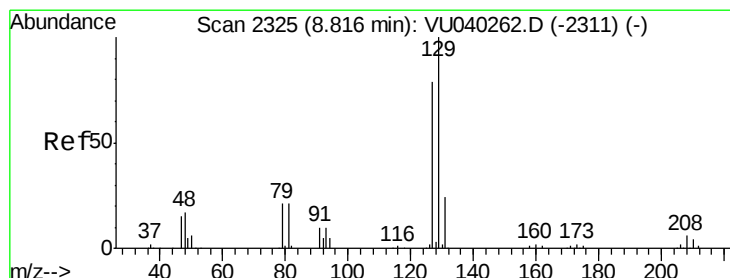
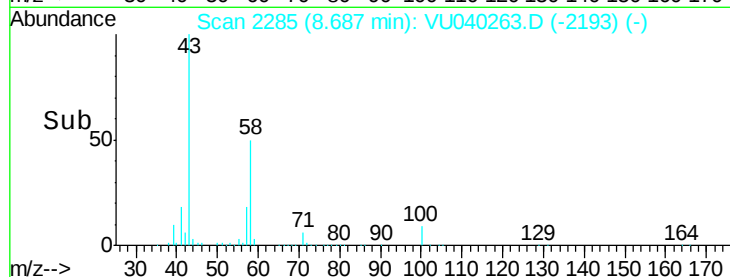
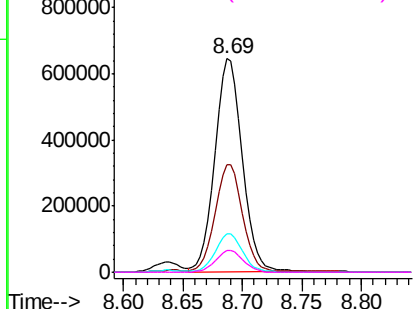
#48
2-Hexanone
Concen: 229.667 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD100204

Tot Ion: 43 Resp: 1030713
Ion Ratio Lower Upper
43 100
58 50.4 40.3 60.5
57 18.0 13.9 20.9
100 10.3 8.2 12.2

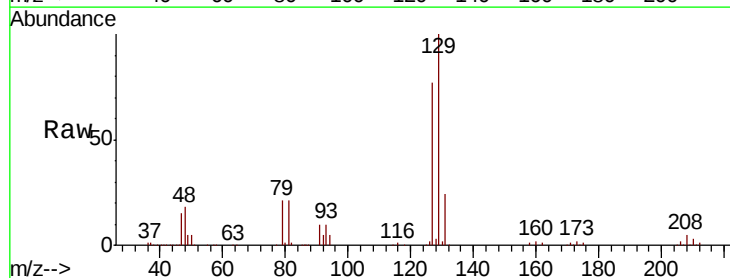


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

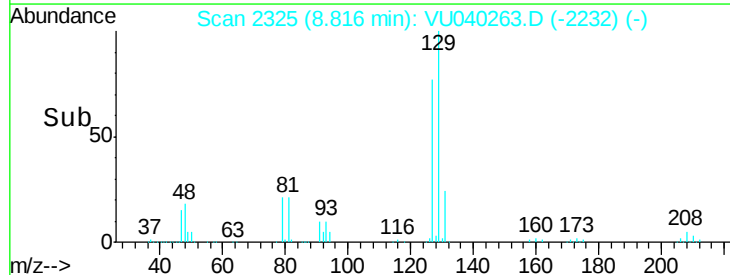
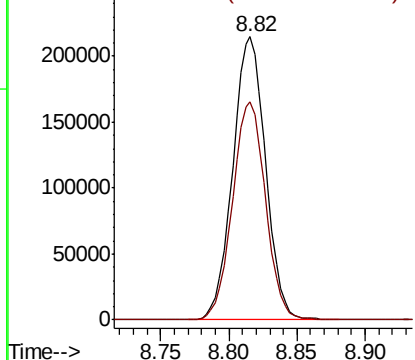


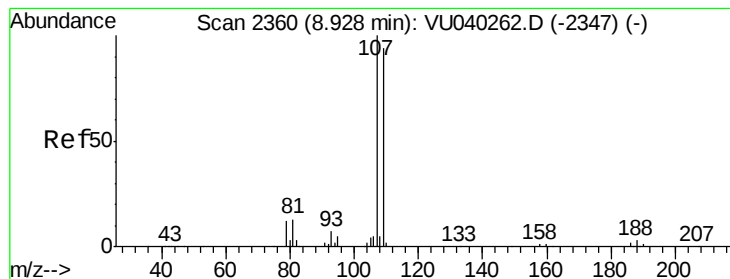
#49
Dibromochloromethane
Concen: 115.803 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040263.D
Acq: 24 Sep 2020 10:41

Tgt Ion: 129 Resp: 359034
Ion Ratio Lower Upper
129 100
127 77.1 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 107.045 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

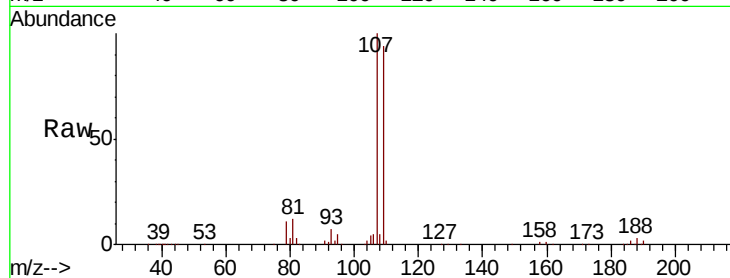
Tot Ion:107 Resp: 348967

Ion Ratio Lower Upper

107 100

109 93.7 65.9 122.3

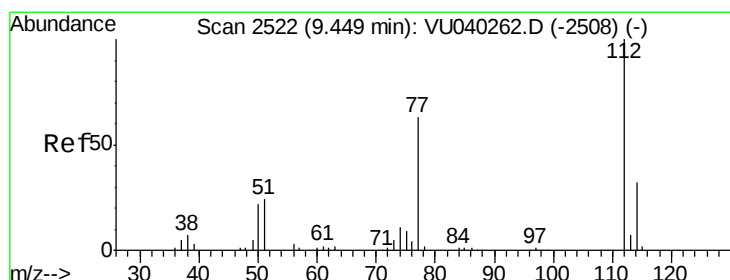
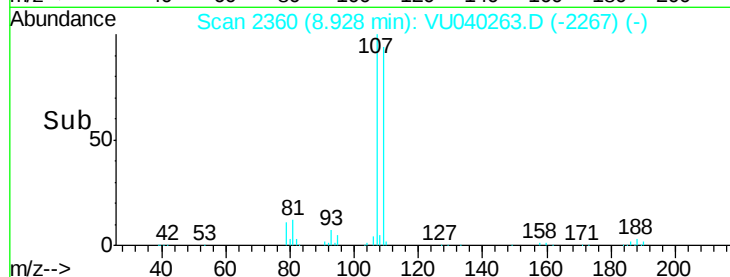
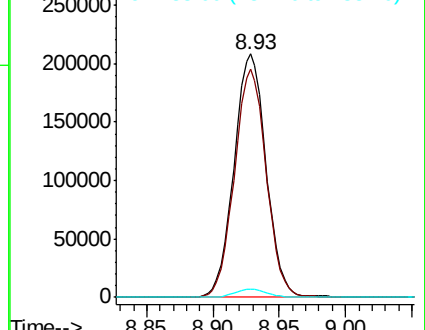
188 3.3 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 105.066 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

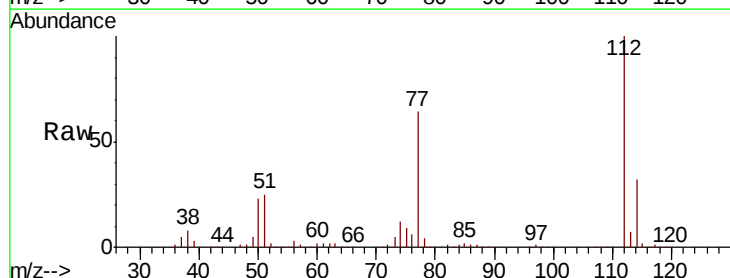
Tgt Ion:112 Resp: 864253

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

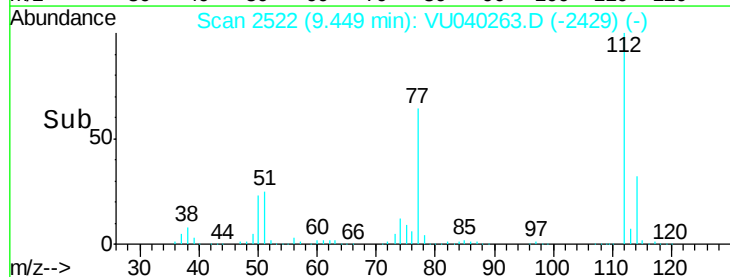
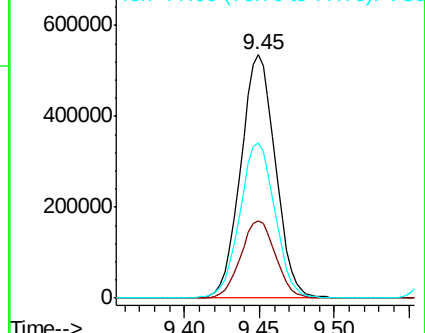
77 63.7 50.7 76.1

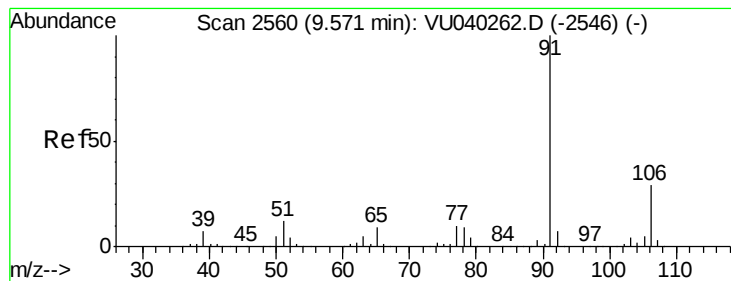


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 105.320 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

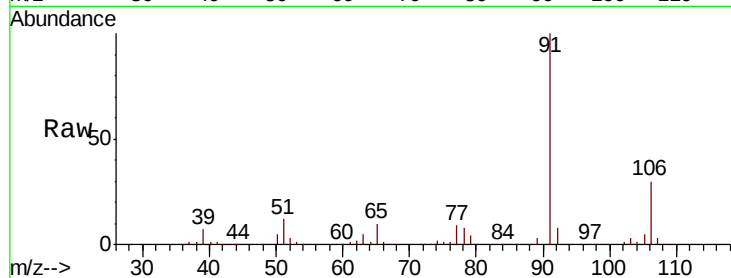
VSTD100204

Tot Ion: 91 Resp: 1567636

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU040263.D (-2546) (-)

Ion 106.00 (105.70 to 106.70): VU040263.D (-2546) (-)

1200000

1000000

800000

600000

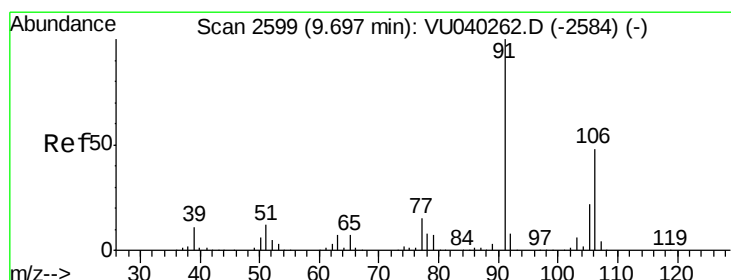
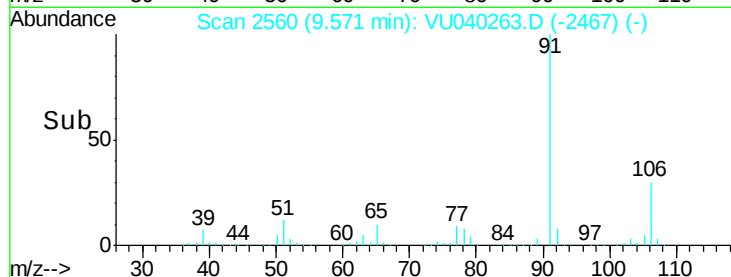
400000

200000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 105.726 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040263.D

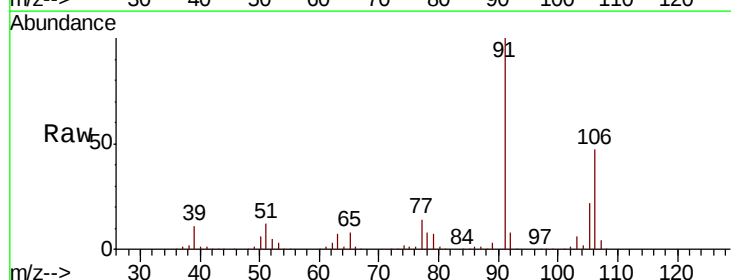
Acq: 24 Sep 2020 10:41

Tgt Ion:106 Resp: 579583

Ion Ratio Lower Upper

106 100

91 211.4 147.1 273.3



Abundance Ion 106.00 (105.70 to 106.70): VU040263.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040263.D (-2584) (-)

800000

600000

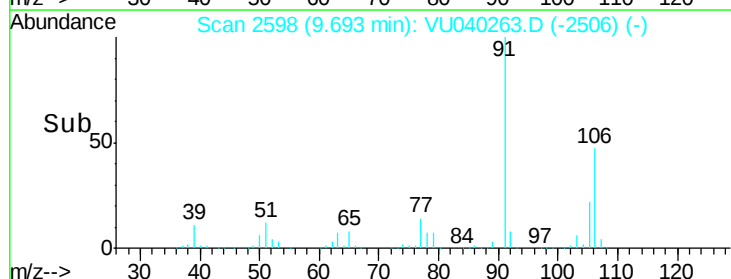
400000

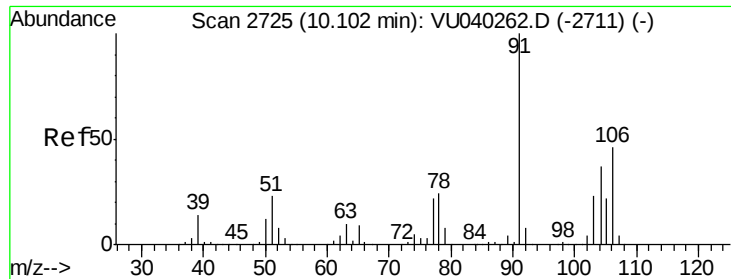
200000

0

9.60 9.70 9.80

Time-->





#54

o-xylene

Concen: 103.783 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

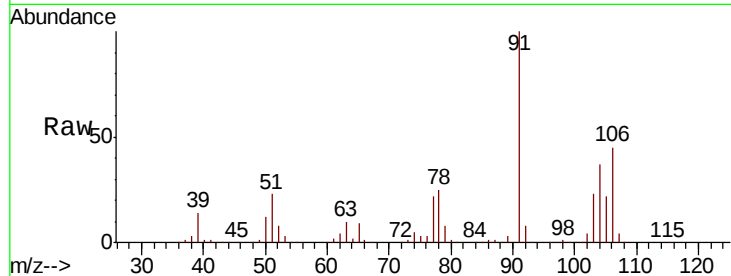
VSTD100204

Tot Ion:106 Resp: 563873

Ion Ratio Lower Upper

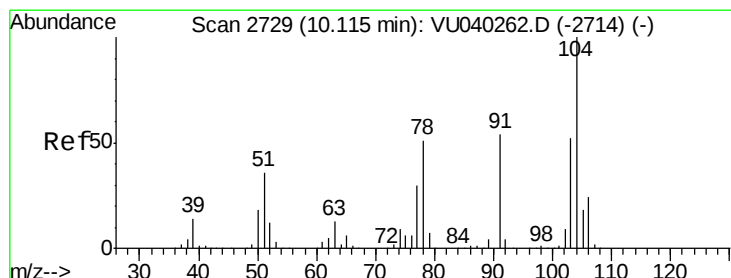
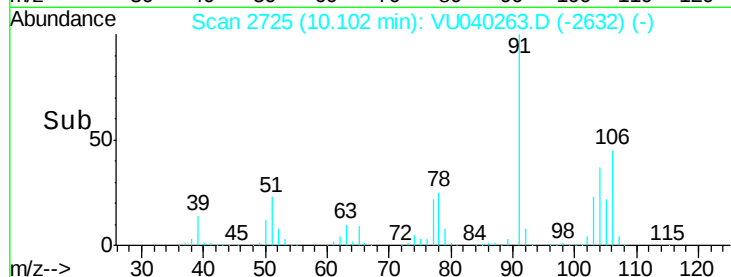
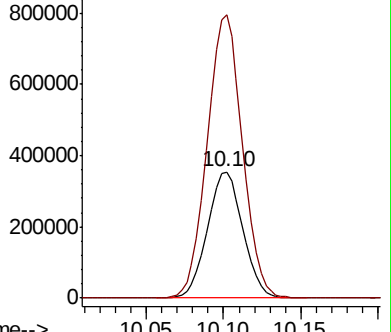
106 100

91 224.3 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 107.231 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040263.D

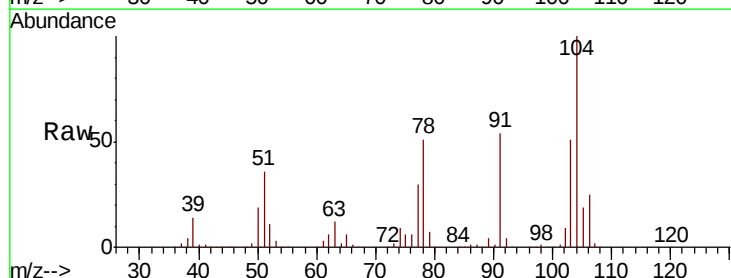
Acq: 24 Sep 2020 10:41

Tgt Ion:104 Resp: 976936

Ion Ratio Lower Upper

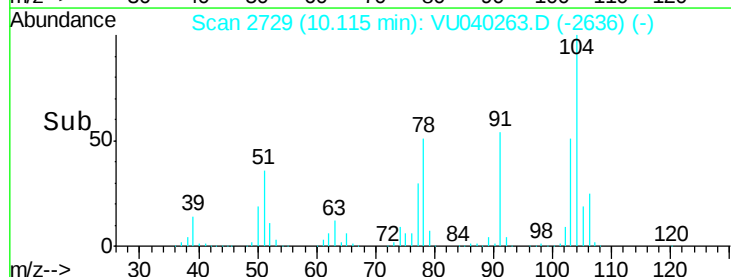
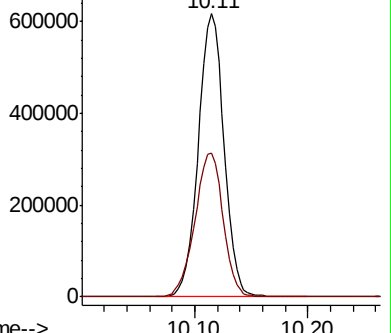
104 100

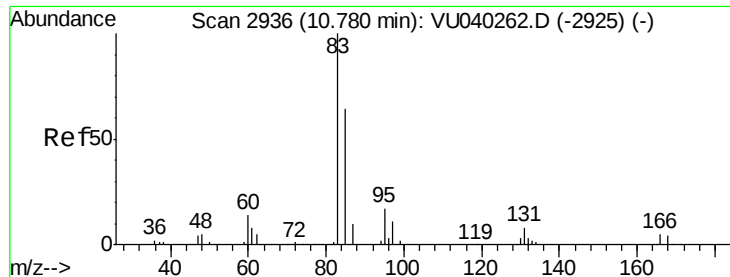
78 51.0 35.8 66.4



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: 103.251 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100204

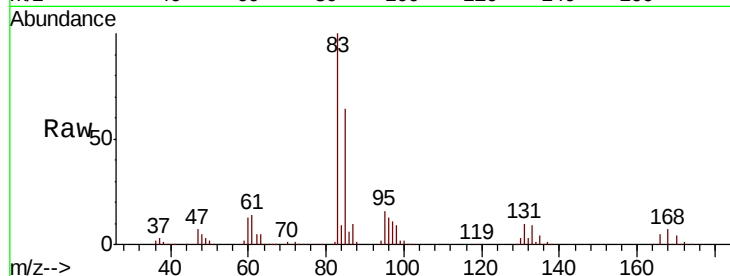
Tot Ion: 83 Resp: 569709

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.6

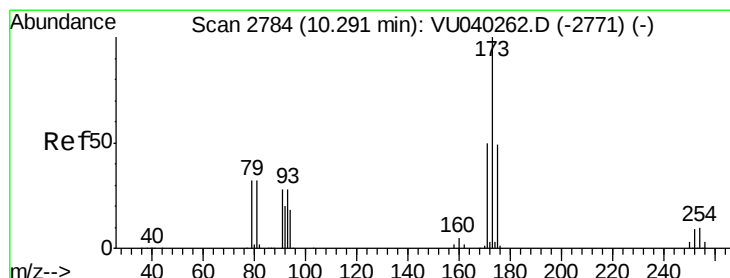
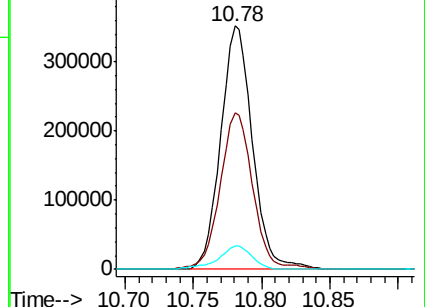
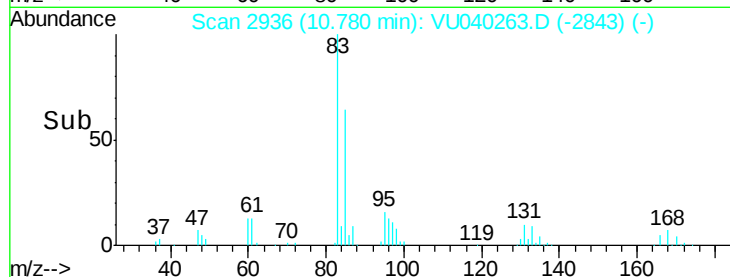
131 9.7 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VU040263.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU040263.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VU040263.D (-2843) (-)



#59

Bromoform

Concen: 108.244 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

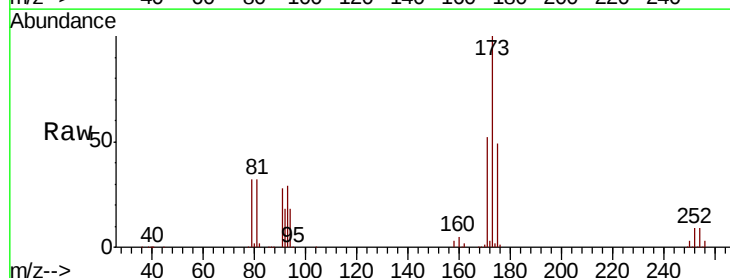
Tgt Ion: 173 Resp: 256042

Ion Ratio Lower Upper

173 100

175 49.4 38.6 58.0

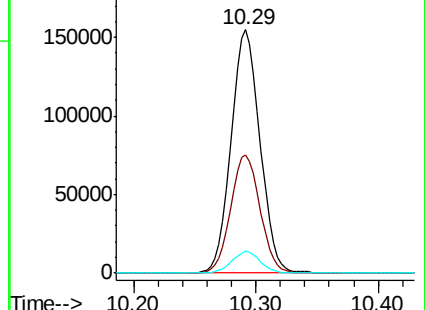
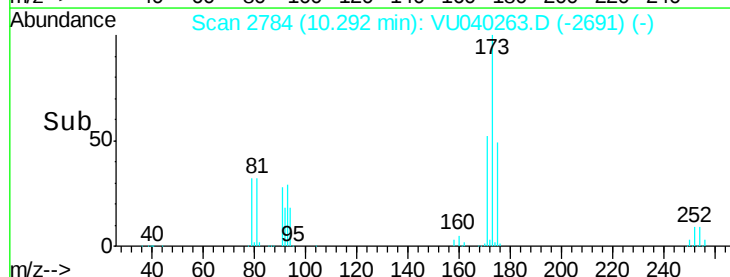
254 8.8 7.0 10.4

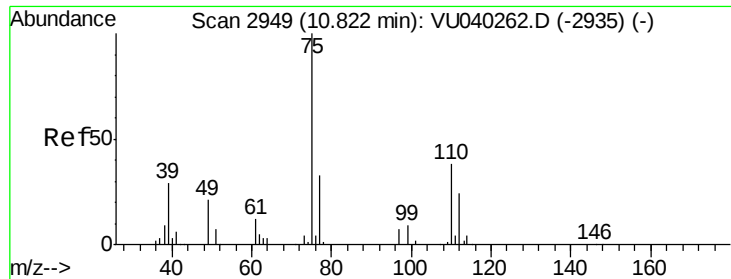


Abundance Ion 173.00 (172.70 to 173.70): VU040263.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VU040263.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VU040263.D (-2691) (-)

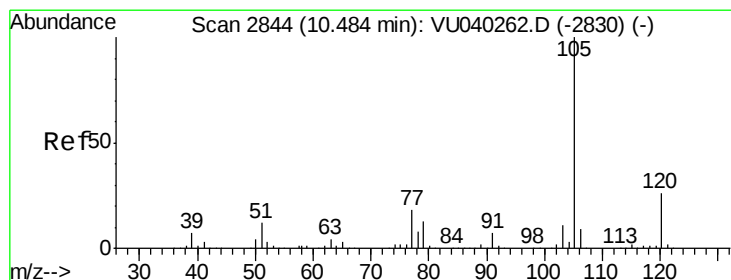
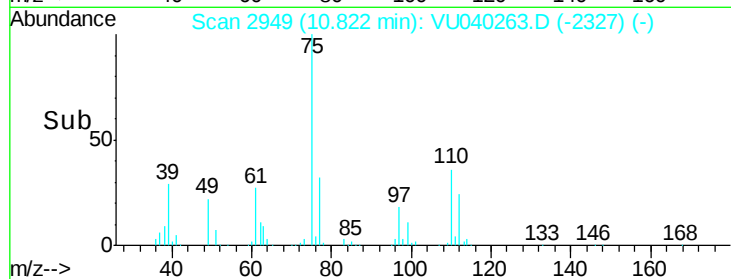
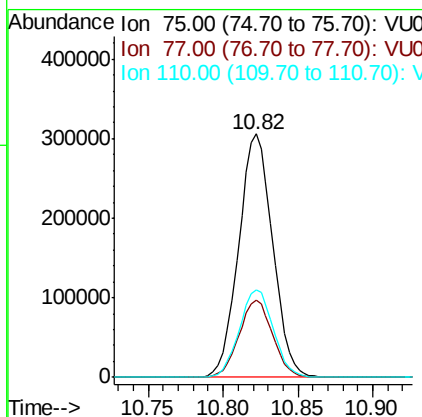
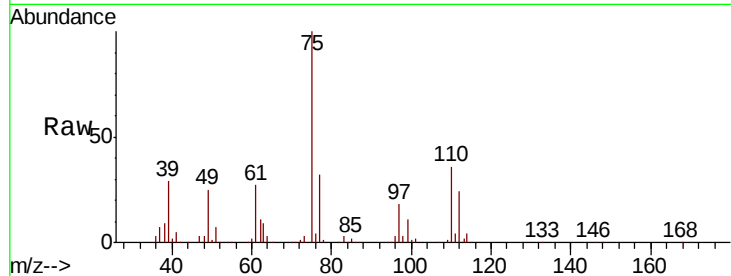




#60
 1,2,3-Trichloropropane
 Concen: 97.679 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

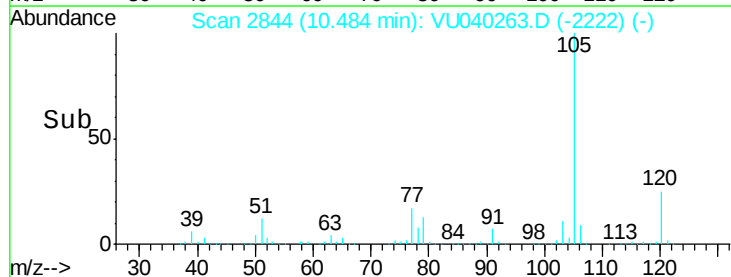
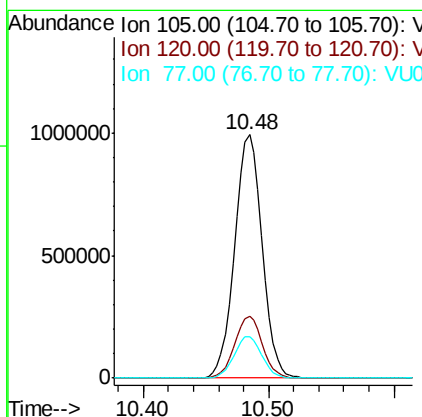
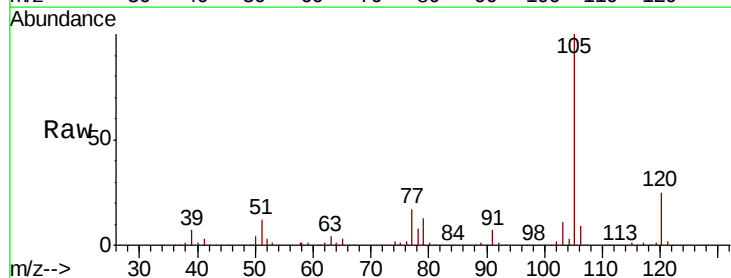
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

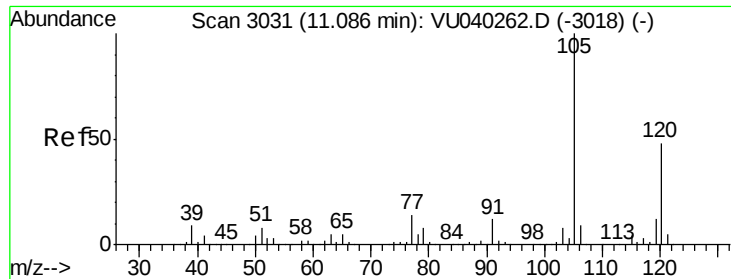
Tot Ion	75	Resp	483058
Ion Ratio	Lower	Upper	
75	100		
77	31.5	26.0	39.0
110	36.0	29.8	44.8



#61
 Isopropylbenzene
 Concen: 96.809 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion	105	Resp	1504353
Ion Ratio	Lower	Upper	
105	100		
120	25.6	20.6	30.8
77	17.4	13.8	20.6





#62

1,3,5-Trimethylbenzene

Concen: 97.642 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

MSVOA_U

ClientSampleId :

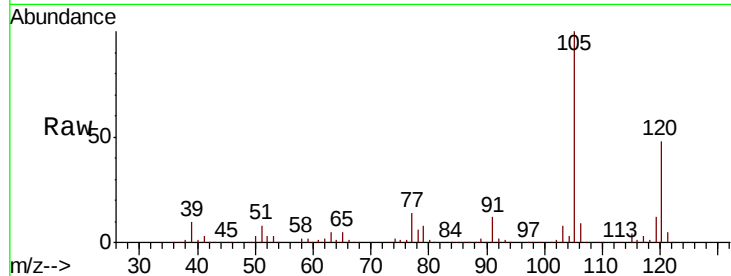
VSTD100204

Tot Ion:105 Resp: 1292555

Ion Ratio Lower Upper

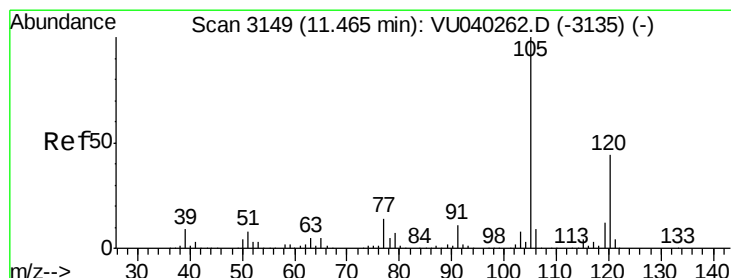
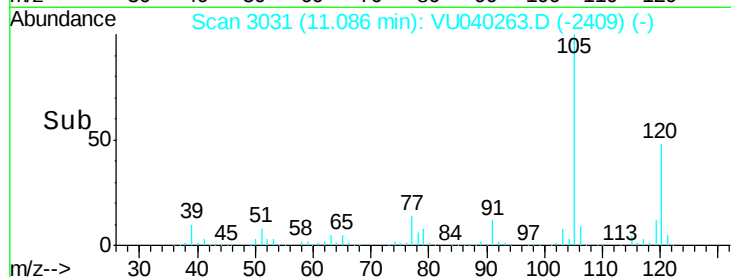
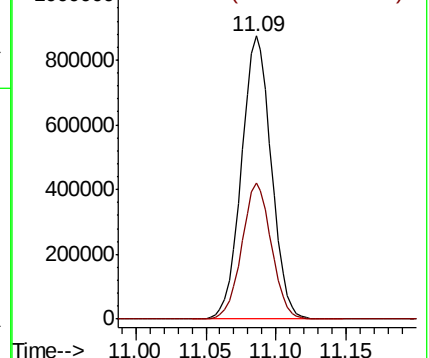
105 100

120 47.5 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 99.049 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040263.D

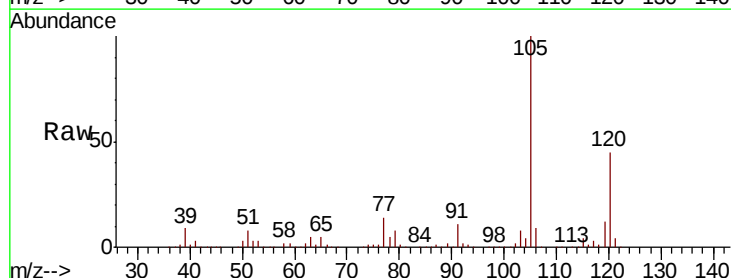
Acq: 24 Sep 2020 10:41

Tgt Ion:105 Resp: 1318505

Ion Ratio Lower Upper

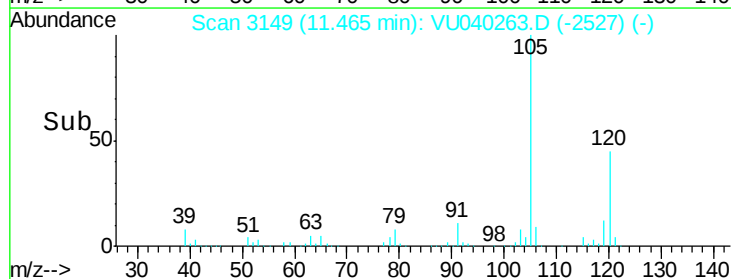
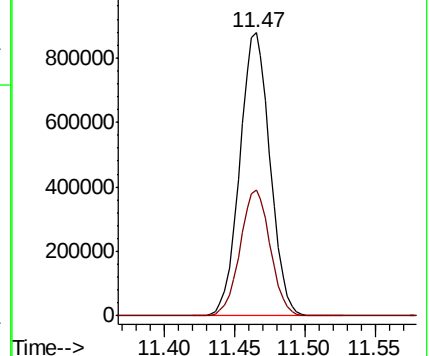
105 100

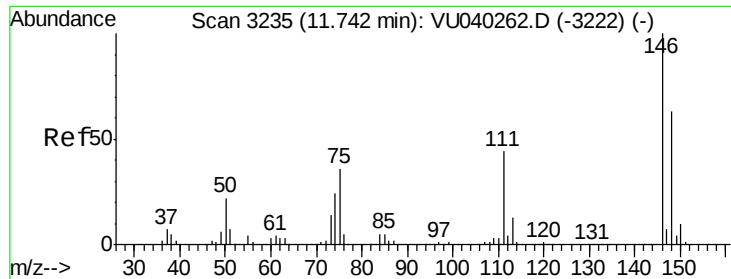
120 44.4 35.8 53.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

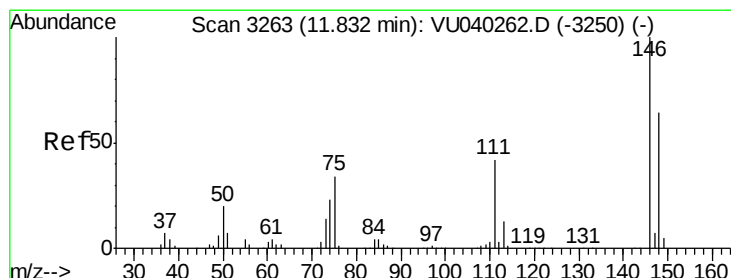
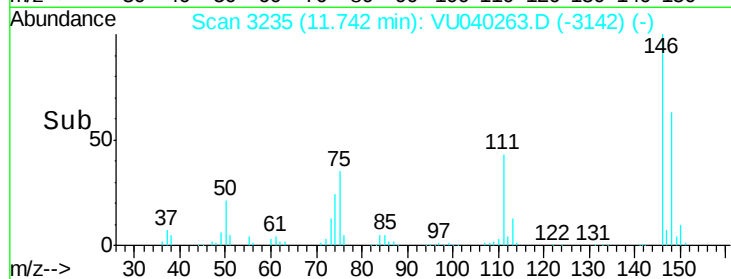
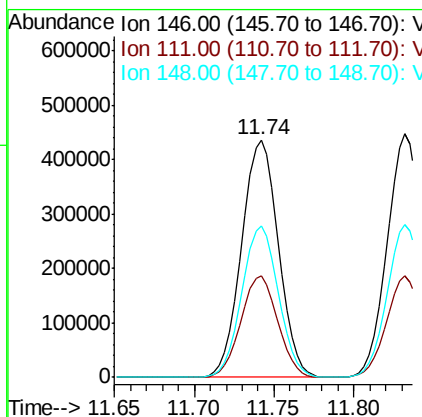
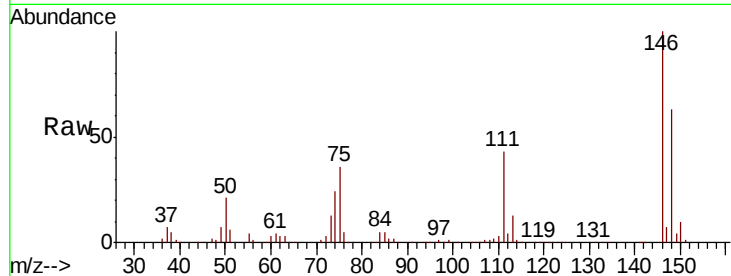




#64
 1,3-Dichlorobenzene
 Concen: 102.748 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

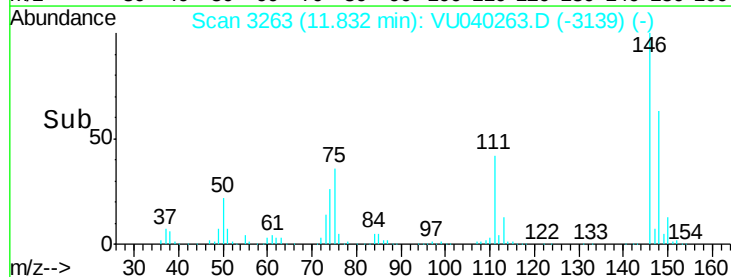
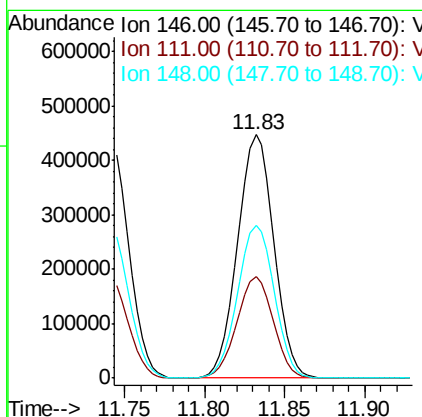
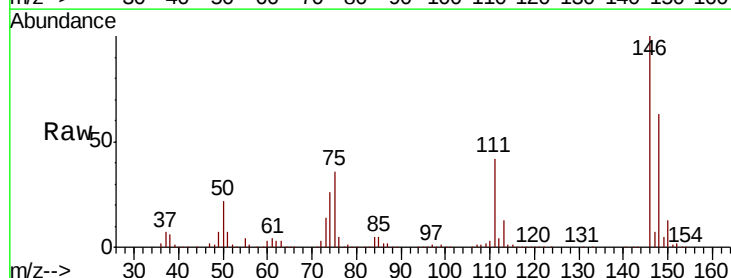
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

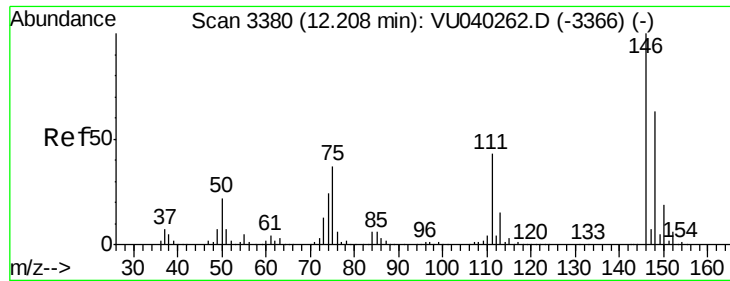
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	30.6	56.8
148	63.5	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 102.404 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.4	54.6
148	63.0	44.7	83.1

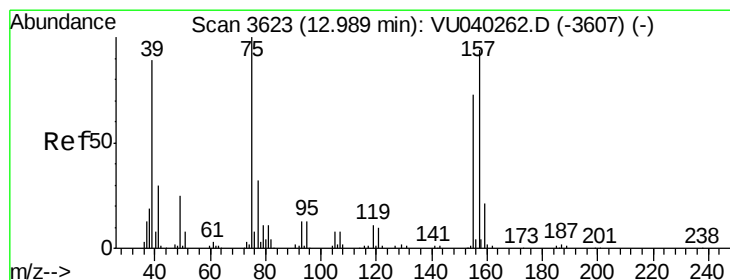
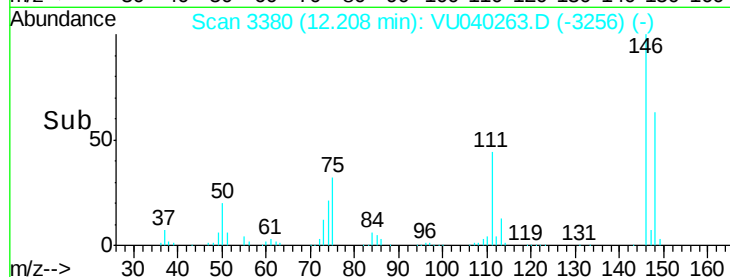
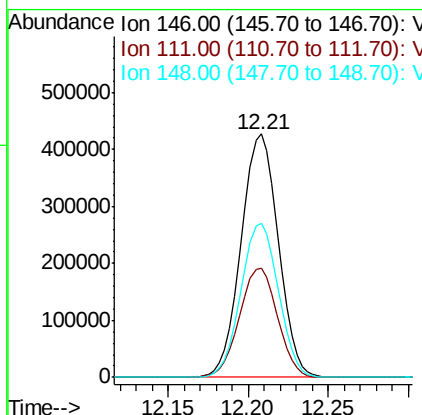
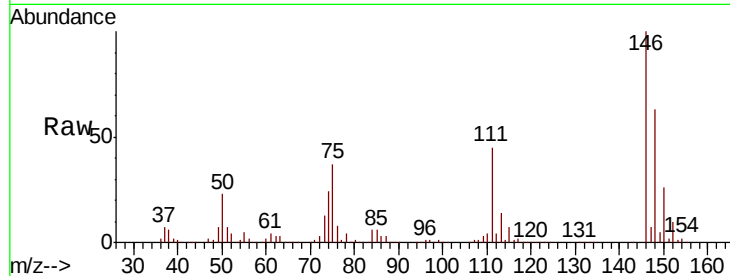




#67
 1,2-Dichlorobenzene
 Concen: 100.812 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

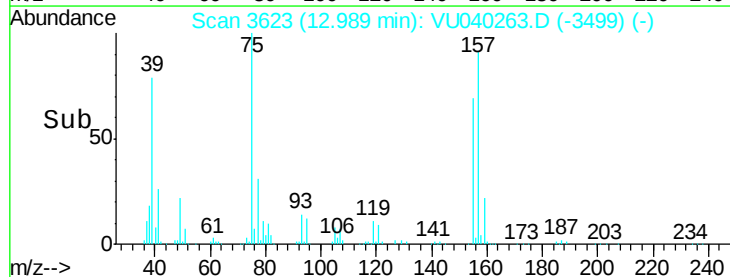
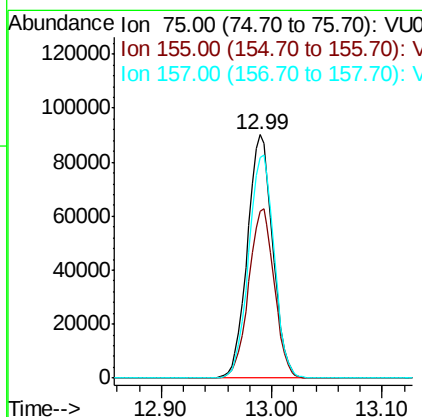
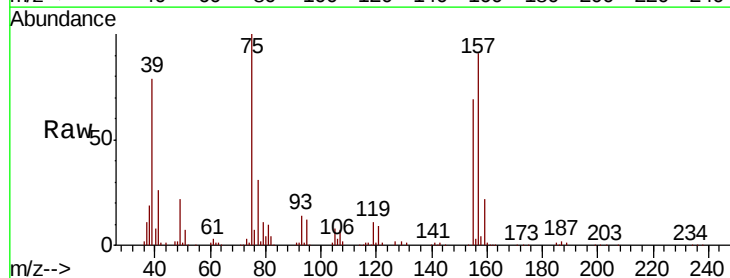
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD100204

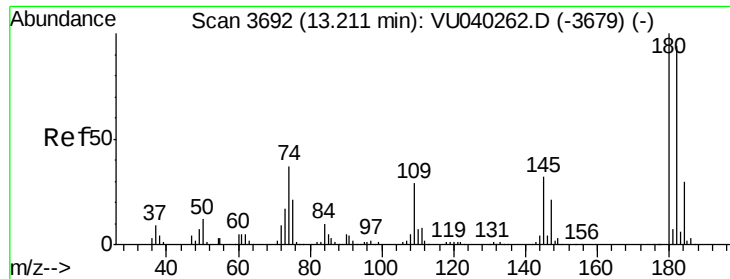
Tot Ion:146 Resp: 676893
 Ion Ratio Lower Upper
 146 100
 111 44.9 34.5 51.7
 148 63.4 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 101.459 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion: 75 Resp: 143110
 Ion Ratio Lower Upper
 75 100
 155 68.7 58.8 88.2
 157 90.8 75.1 112.7

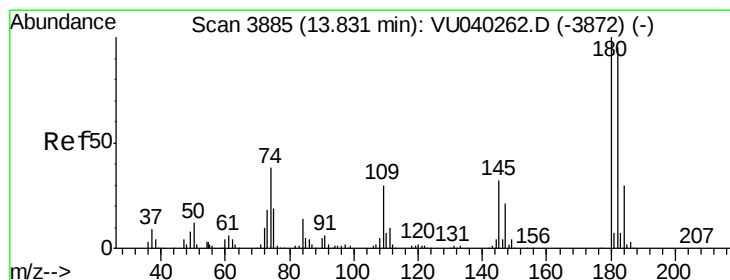
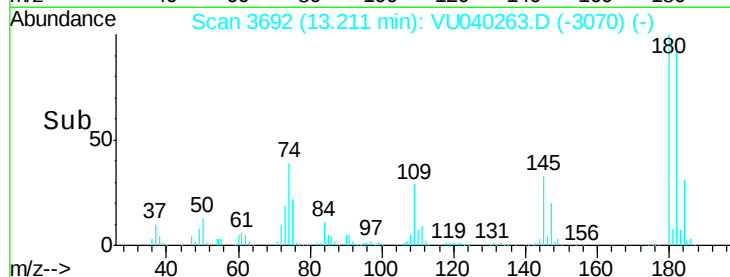
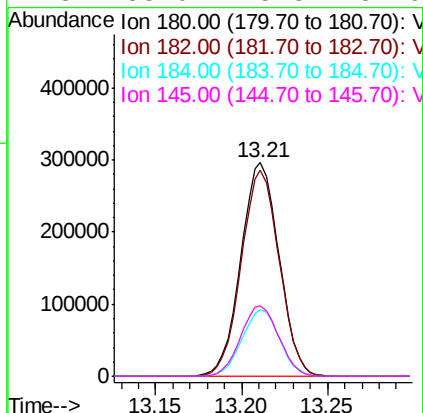
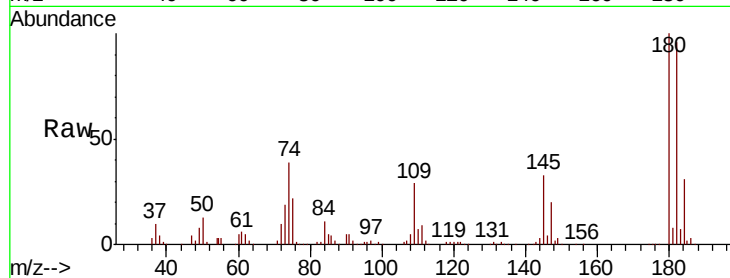




#69
 1,3,5-Trichlorobenzene
 Concen: 99.711 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

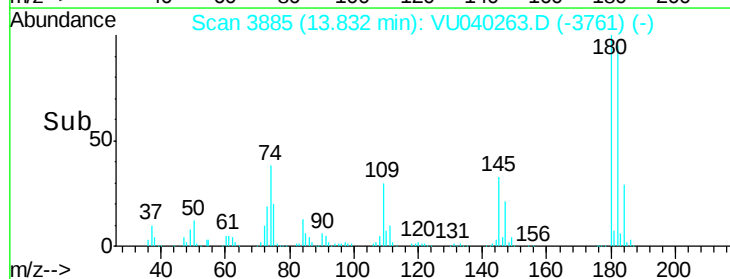
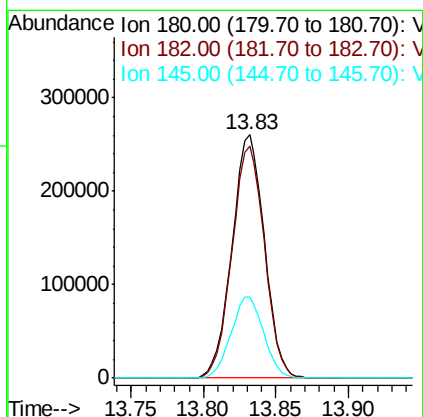
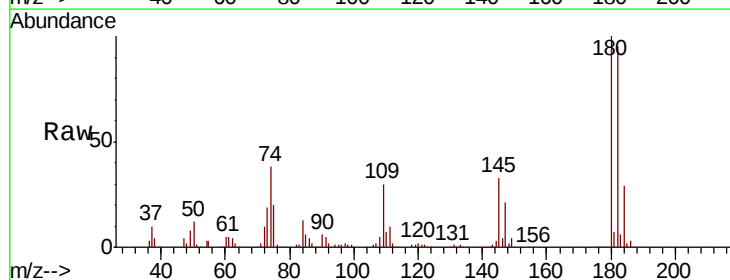
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100204

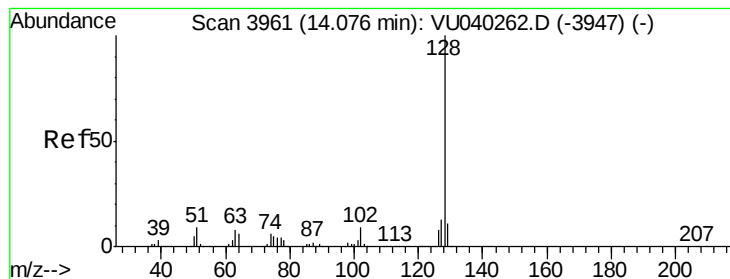
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.4	113.0
184	30.7	23.7	35.5
145	33.0	25.3	37.9



#70
 1,2,4-trichlorobenzene
 Concen: 104.503 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040263.D
 Acq: 24 Sep 2020 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.3	114.5
145	33.5	26.0	39.0





#71

Naphthalene

Concen: 103.030 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Instrument :

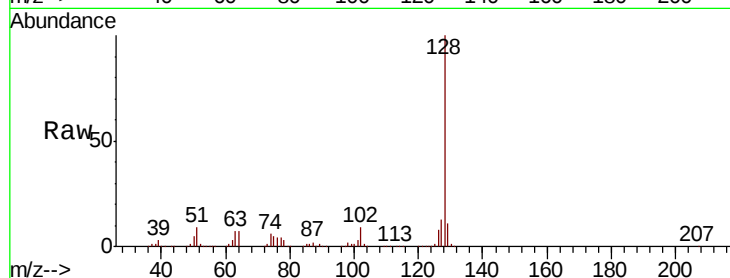
MSVOA_U

ClientSampleId :

VSTD100204

Tot Ion:128 Resp: 1380627

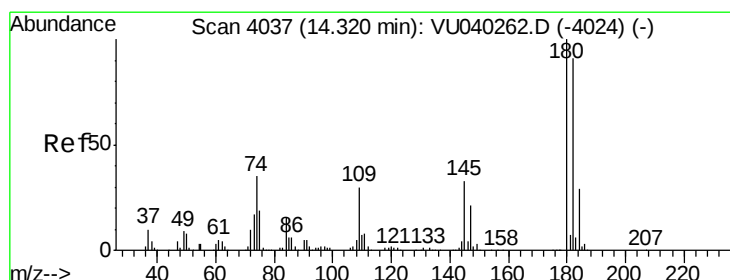
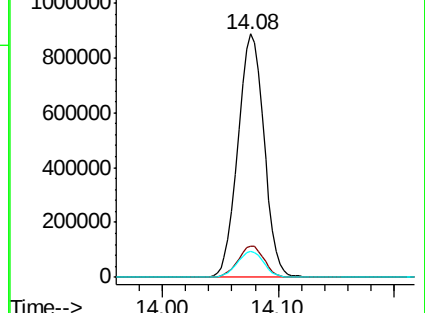
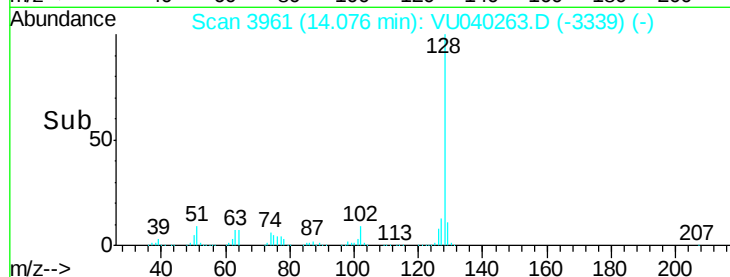
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.8	13.2



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: 100.462 ug/L

RT: 14.32 min Scan# 4037

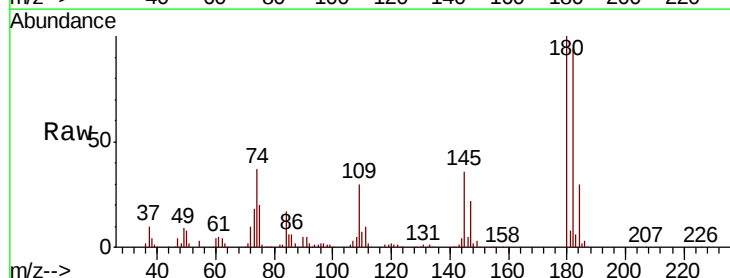
Delta R.T. 0.00 min

Lab File: VU040263.D

Acq: 24 Sep 2020 10:41

Tgt Ion:180 Resp: 391668

Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.2	111.4
145	35.7	27.8	41.6



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

