

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040260.D
 Acq On : 24 Sep 2020 09:34
 Operator : SY/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

Quant Time: Sep 25 09:17:57 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	374649	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	373660	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	180664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16889	6.52	ug/L	0.00
7) Chloroethane-d5	1.92	69	12319	5.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	32437	6.54	ug/L	0.00
21) 2-Butanone-d5	4.64	46	24613	10.71	ug/L	0.00
24) Chloroform-d	5.08	84	29426	6.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.71	65	21208	6.57	ug/L	0.00
32) Benzene-d6	5.74	84	53172	5.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	18808	5.67	ug/L	0.00
41) Toluene-d8	7.90	98	45361	4.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	8710	5.41	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	12238	6.76	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	25457	5.26	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	18741	5.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	14876	5.703	ug/L 96
3) Chloromethane	1.52	50	17827	5.734	ug/L 95
5) Vinyl chloride	1.61	62	17716	5.389	ug/L 100
6) Bromomethane	1.86	94	9253	4.714	ug/L 98
8) Chloroethane	1.94	64	11610	5.558	ug/L 98
9) Trichlorofluoromethane	2.15	101	24867	6.168	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	15548	6.345	ug/L 100
12) 1,1-Dichloroethene	2.59	96	15088	6.416	ug/L 87
13) Acetone	2.64	43	30989	12.845	ug/L 97
14) Carbon disulfide	2.80	76	45932	6.410	ug/L 100
15) Methyl Acetate	2.96	43	21739	6.281	ug/L 100
16) Methylene chloride	3.06	84	17247	5.963	ug/L 94
17) trans-1,2-Dichloroethene	3.37	96	14568	5.803	ug/L 94
18) Methyl tert-butyl Ether	3.38	73	44960	5.210	ug/L 97
19) 1,1-Dichloroethane	3.89	63	30274	5.995	ug/L 100
20) cis-1,2-Dichloroethene	4.68	96	15389	5.438	ug/L 90
22) 2-Butanone	4.72	43	32645	11.396	ug/L 98
23) Bromochloromethane	4.99	128	8533	6.290	ug/L 94
25) Chloroform	5.11	83	31473	6.375	ug/L 100
27) 1,2-Dichloroethane	5.81	62	27507	6.641	ug/L 96
29) Cyclohexane	5.40	56	24686	4.977	ug/L 97
30) 1,1,1-Trichloroethane	5.33	97	25542	6.086	ug/L 98
31) Carbon tetrachloride	5.54	117	21962	6.382	ug/L 100
33) Benzene	5.79	78	63921	5.499	ug/L 100
34) Trichloroethene	6.55	95	16509	5.704	ug/L 98
35) Methylcyclohexane	6.77	83	23317	4.674	ug/L 96
37) 1,2-Dichloropropane	6.80	63	18574	5.891	ug/L 98
38) Bromodichloromethane	7.11	83	23053	5.952	ug/L 97
39) cis-1,3-Dichloropropene	7.61	75	22577	4.547	ug/L 91
40) 4-Methyl-2-pentanone	7.80	43	51505	10.203	ug/L 98

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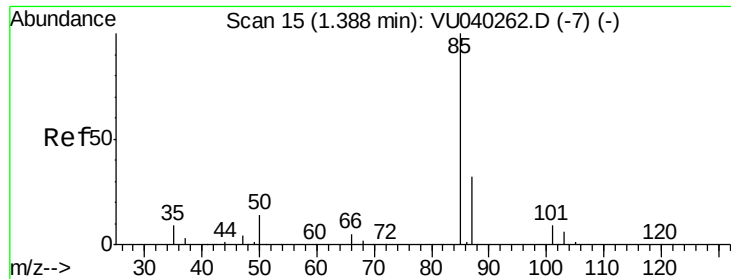
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	59794	4.793	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	23905	5.369	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	15733	5.526	ug/L	93
46) Tetrachloroethene	8.56	164	11111	5.456	ug/L	91
48) 2-Hexanone	8.69	43	39746	9.611	ug/L	98
49) Dibromochloromethane	8.81	129	16460	5.761	ug/L	97
50) 1,2-Dibromoethane	8.93	107	16386	5.455	ug/L	97
51) Chlorobenzene	9.45	112	43822	5.781	ug/L	97
52) Ethylbenzene	9.57	91	65911	4.805	ug/L	98
53) m,p-Xylene	9.69	106	22943	4.542	ug/L	93
54) o-xylene	10.10	106	22723	4.539	ug/L	97
55) Styrene	10.11	104	37044	4.412	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	27055	5.321	ug/L	90
59) Bromoform	10.29	173	11124	5.461	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	22590	5.305	ug/L	97
61) Isopropylbenzene	10.48	105	59991	4.483	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	43999	3.860	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	43447	3.790	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	30861	5.399	ug/L	96
65) 1,4-Dichlorobenzene	11.83	146	33113	5.711	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	31461	5.441	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	5788	4.765	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	18094	4.571	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	15025	4.517	ug/L	99
71) Naphthalene	14.08	128	33994	2.946	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	14769	4.399	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.703 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

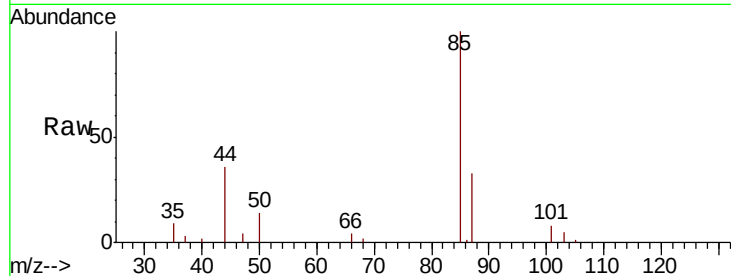
VSTD005201

Tot Ion: 85 Resp: 14876

Ion Ratio Lower Upper

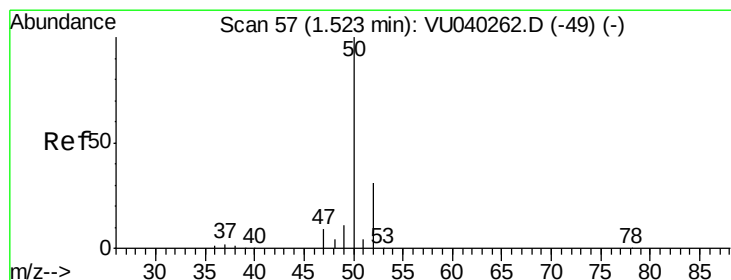
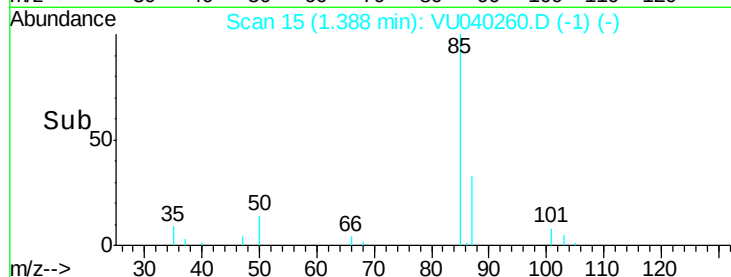
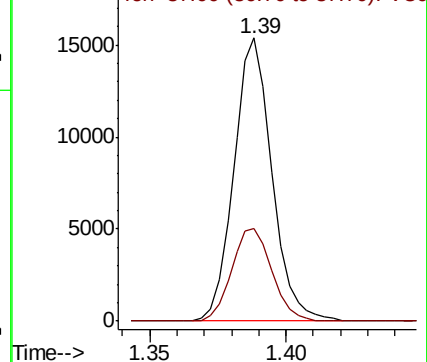
85 100

87 34.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.734 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU040260.D

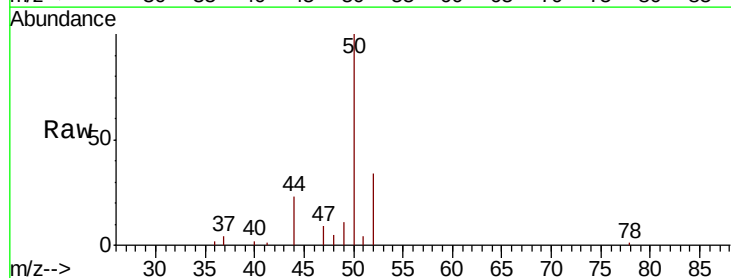
Acq: 24 Sep 2020 09:34

Tgt Ion: 50 Resp: 17827

Ion Ratio Lower Upper

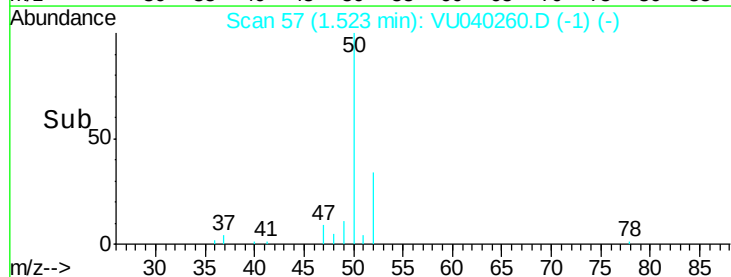
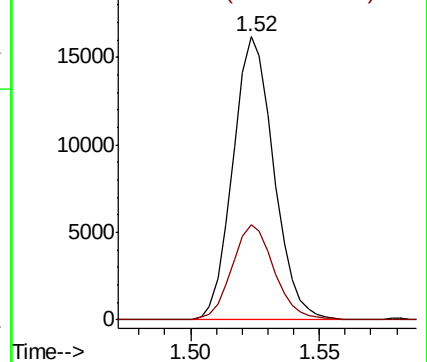
50 100

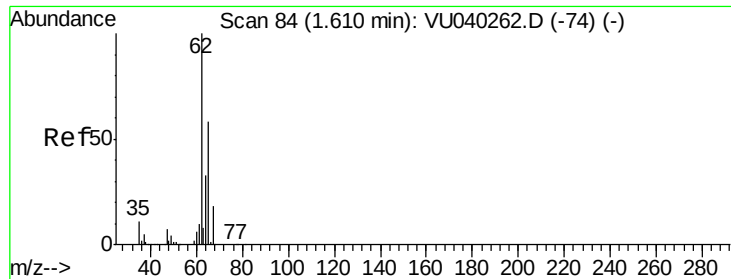
52 33.8 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 5.389 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

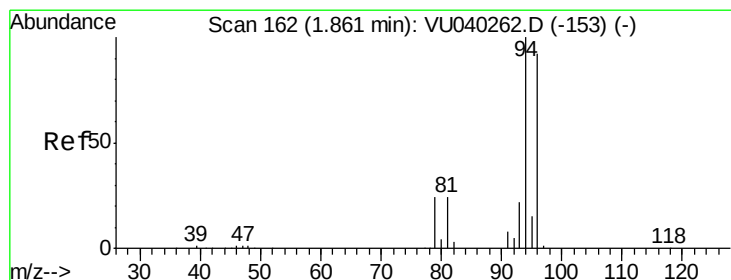
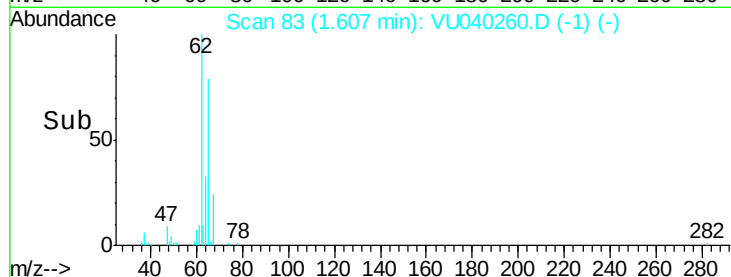
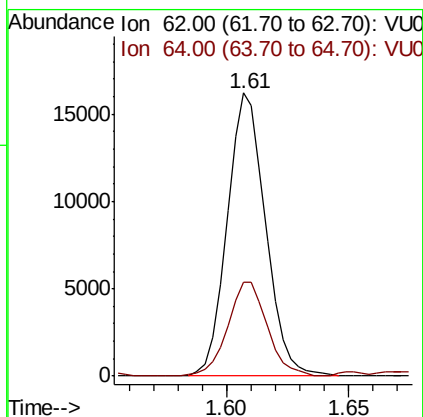
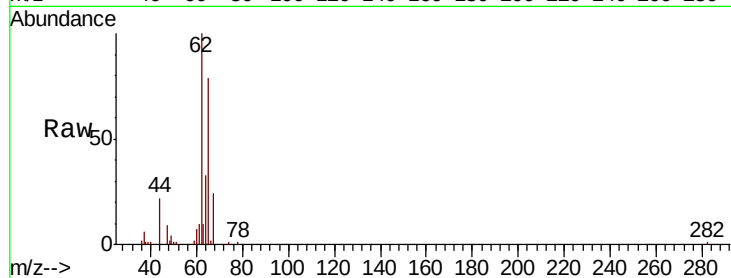
VSTD005201

Tot Ion: 62 Resp: 17716

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.4



#6

Bromomethane

Concen: 4.714 ug/L

RT: 1.86 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU040260.D

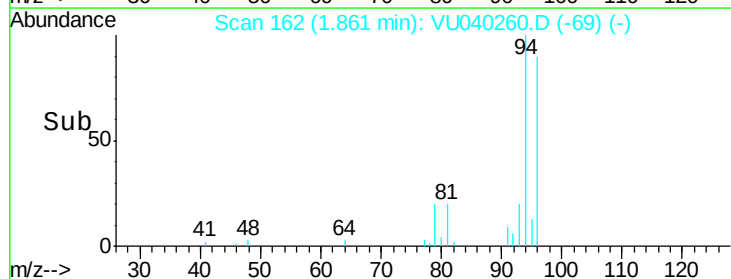
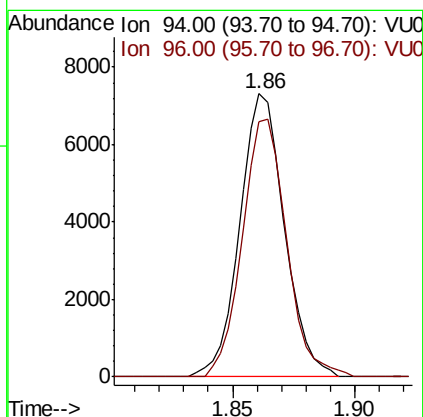
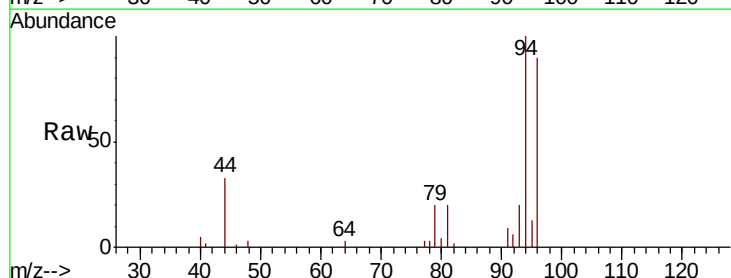
Acq: 24 Sep 2020 09:34

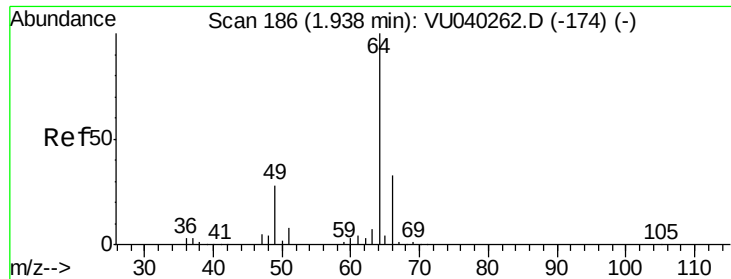
Tgt Ion: 94 Resp: 9253

Ion Ratio Lower Upper

94 100

96 90.1 64.7 120.1





#8

Chloroethane

Concen: 5.558 ug/L

RT: 1.94 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

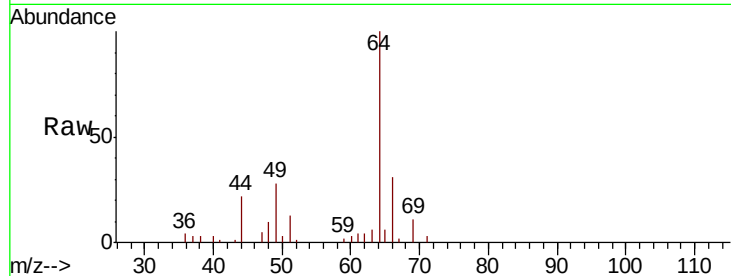
VSTD005201

Tot Ion: 64 Resp: 11610

Ion Ratio Lower Upper

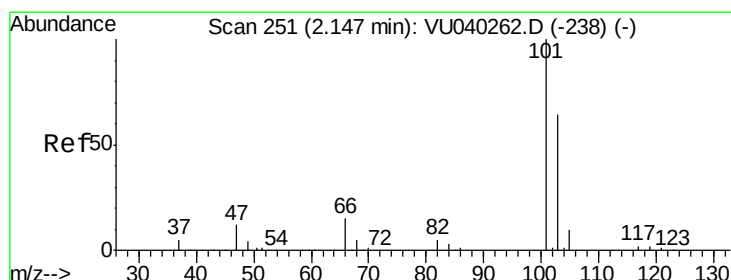
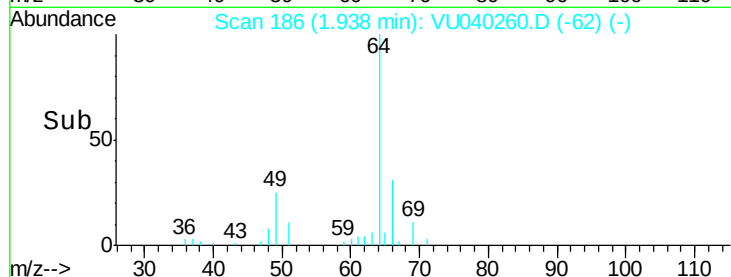
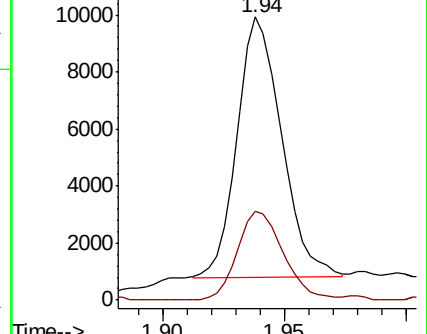
64 100

66 31.4 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VU040260.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU040260.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 6.168 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040260.D

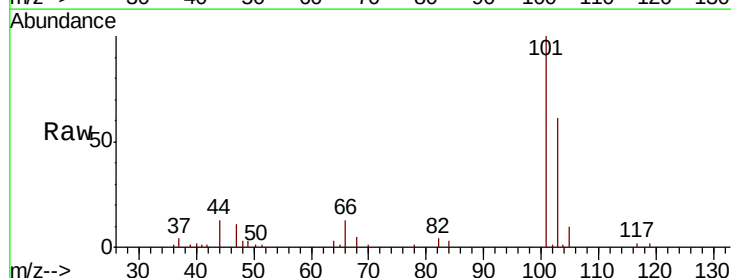
Acq: 24 Sep 2020 09:34

Tgt Ion: 101 Resp: 24867

Ion Ratio Lower Upper

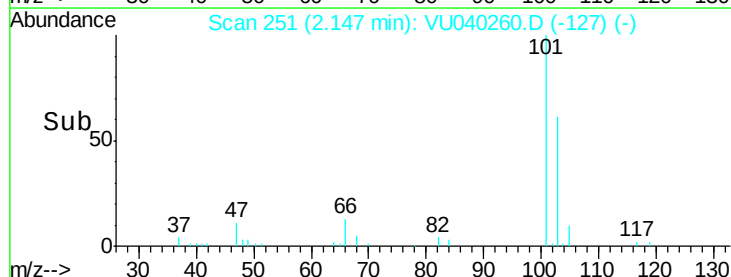
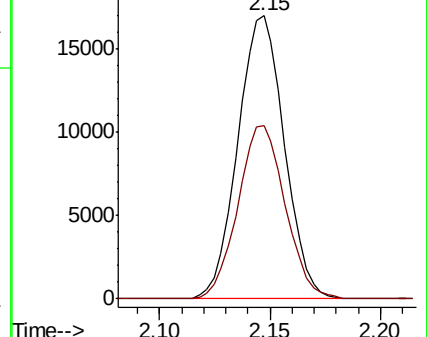
101 100

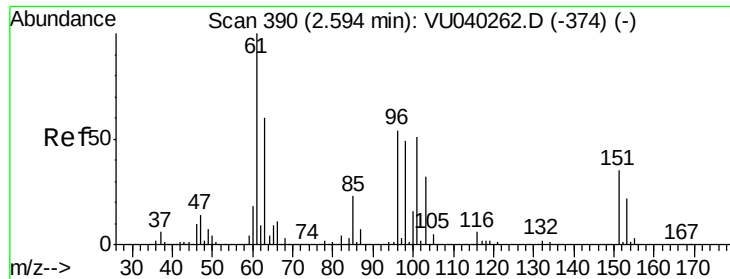
103 62.2 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU040260.D (-238) (-)

Ion 103.00 (102.70 to 103.70): VU040260.D (-238) (-)





#10

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

Concen: 6.345 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005201

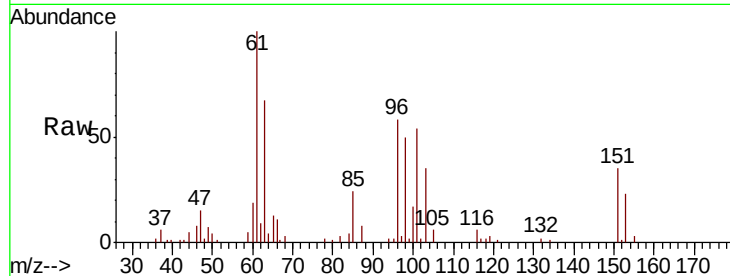
Tot Ion:101 Resp: 15548

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

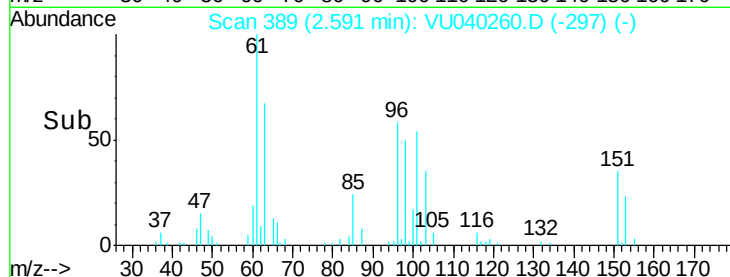
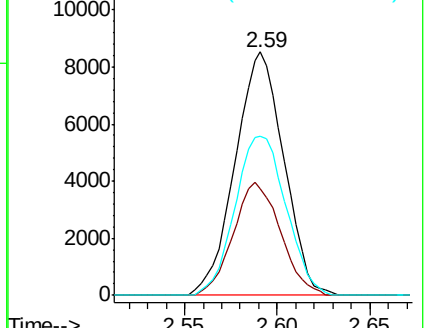
151 68.6 54.5 81.7



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: 6.416 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

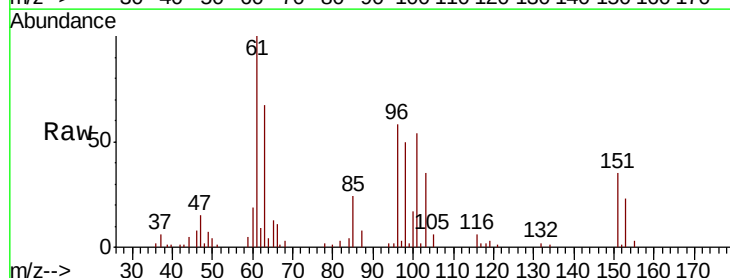
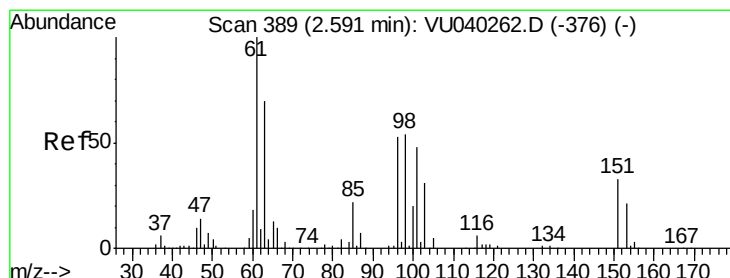
Tgt Ion: 96 Resp: 15088

Ion Ratio Lower Upper

96 100

61 173.1 131.8 244.8

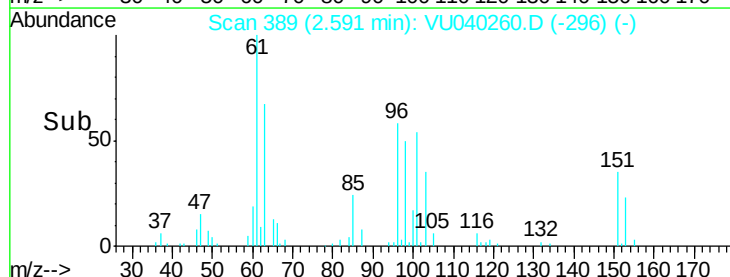
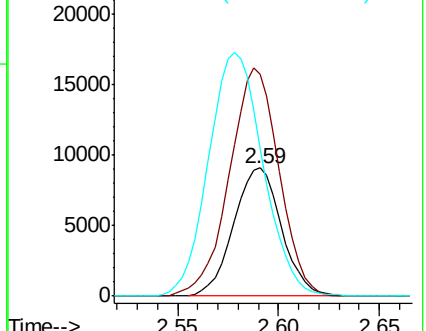
63 115.3 94.1 174.7

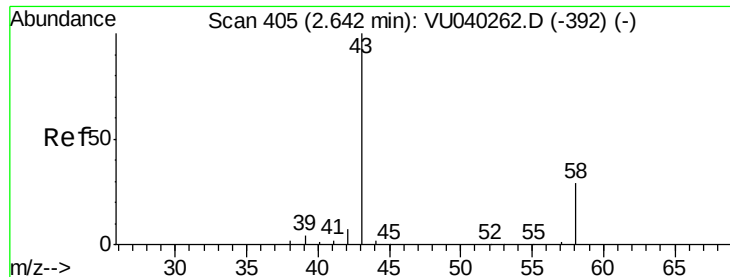


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.845 ug/L

RT: 2.64 min Scan# 403

Delta R.T. -0.01 min

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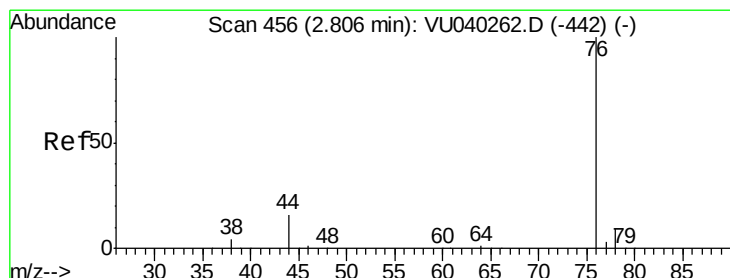
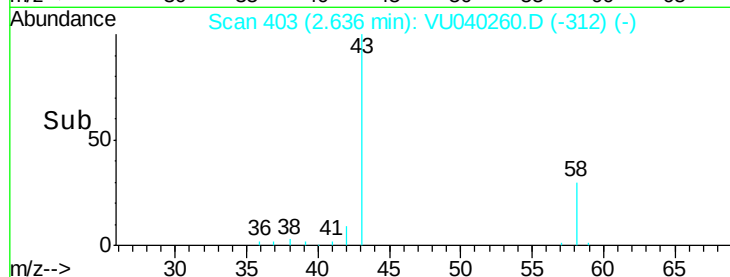
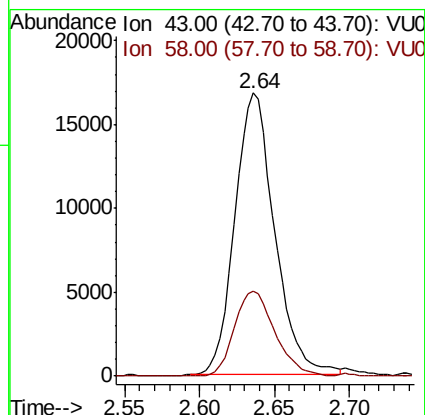
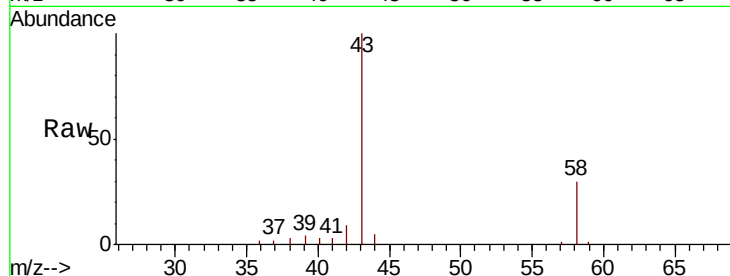
VSTD005201

Tot Ion: 43 Resp: 30989

Ion Ratio Lower Upper

43 100

58 30.7 0.0 58.2



#14

Carbon disulfide

Concen: 6.410 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040260.D

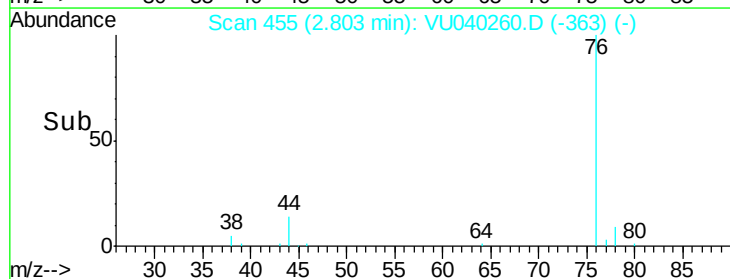
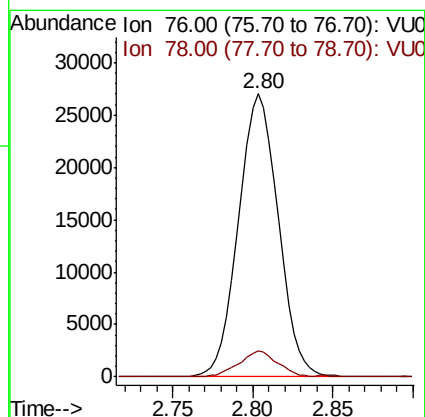
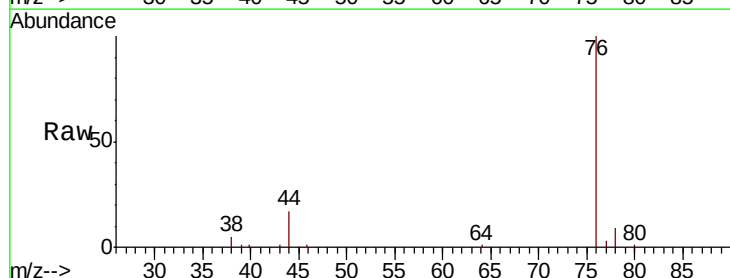
Acq: 24 Sep 2020 09:34

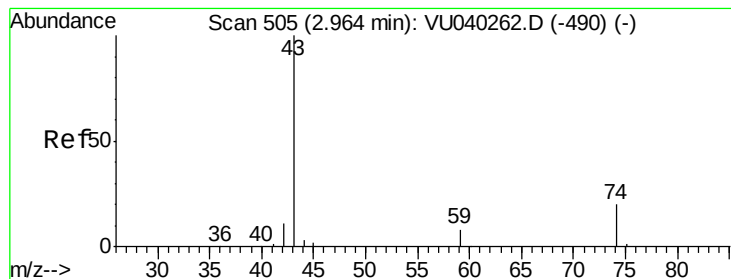
Tgt Ion: 76 Resp: 45932

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methvl Acetate

Concen: 6.281 ug/L

RT: 2.96 min Scan# 504

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

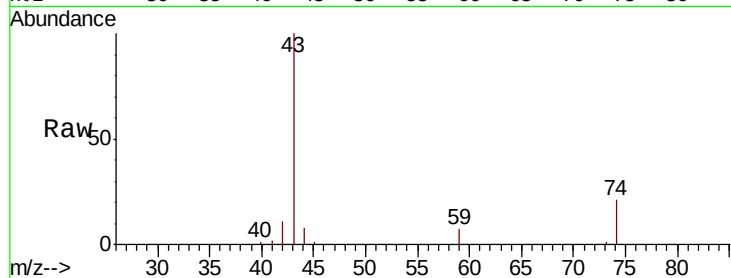
VSTD005201

Tot Ion: 43 Resp: 21739

Ion Ratio Lower Upper

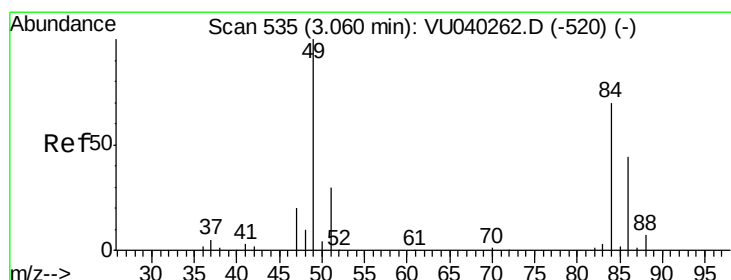
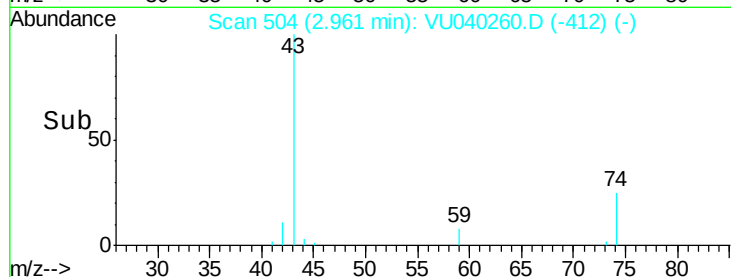
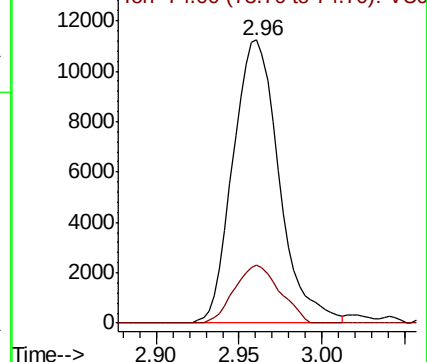
43 100

74 20.1 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: 5.963 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

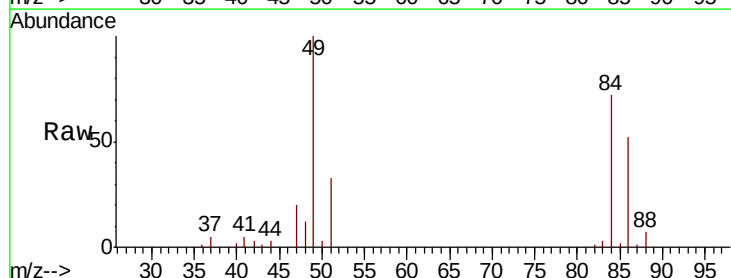
Tgt Ion: 84 Resp: 17247

Ion Ratio Lower Upper

84 100

86 72.6 43.9 81.5

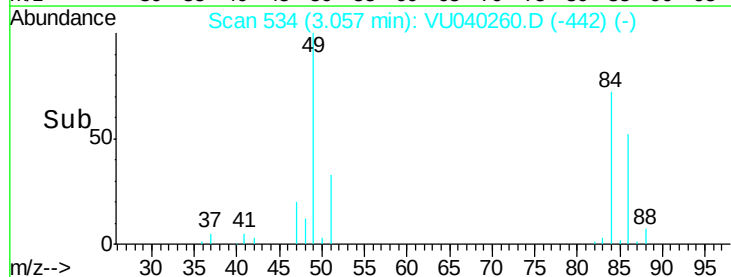
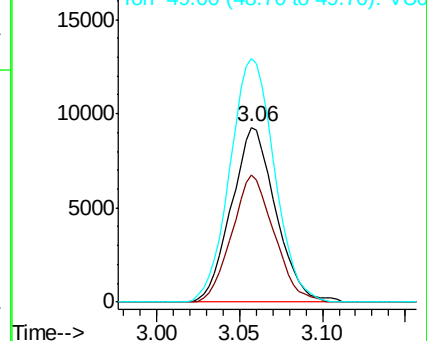
49 139.1 99.7 185.1

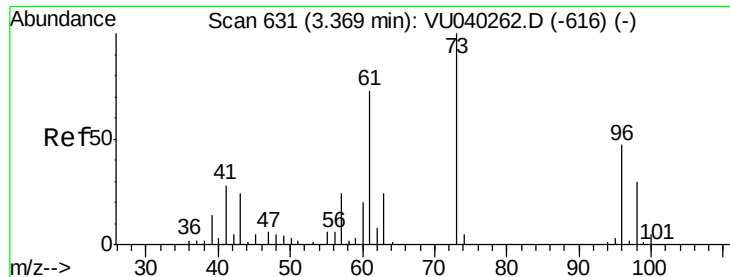


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

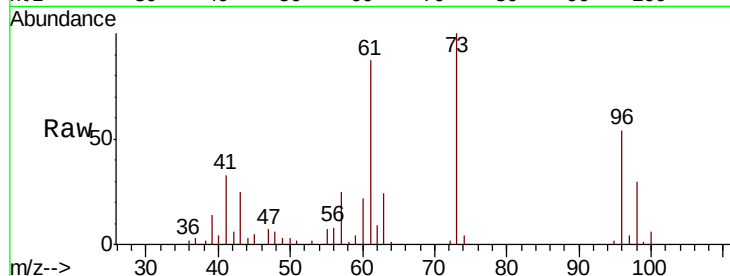




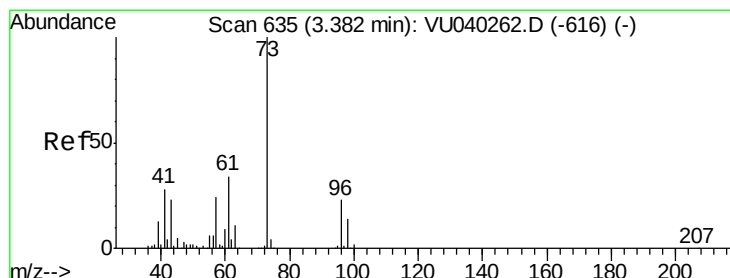
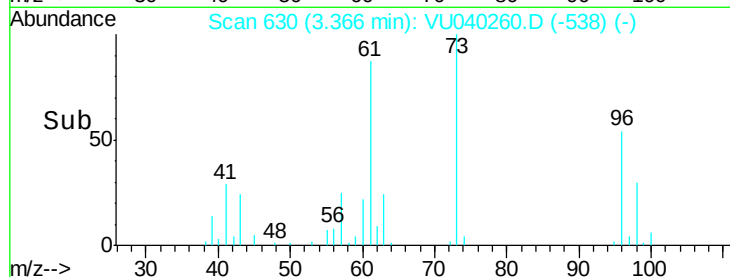
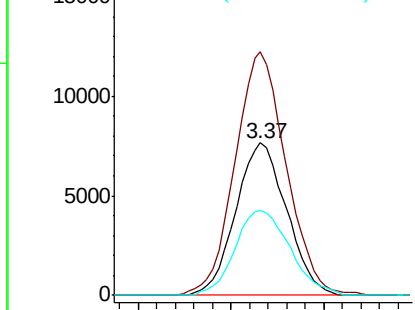
#17
trans-1,2-Dichloroethene
Concen: 5.803 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

Tot Ion: 96 Resp: 14568
Ion Ratio Lower Upper
96 100
61 159.5 108.1 200.9
98 55.5 44.2 82.0

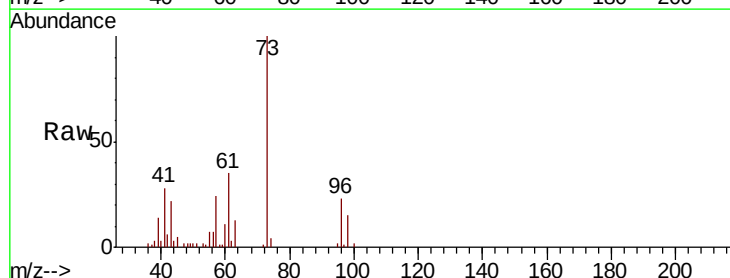


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

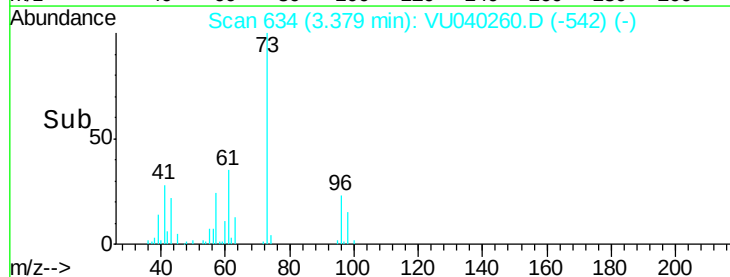
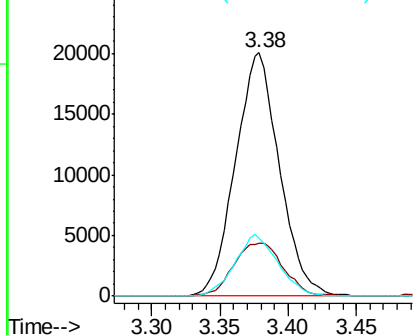


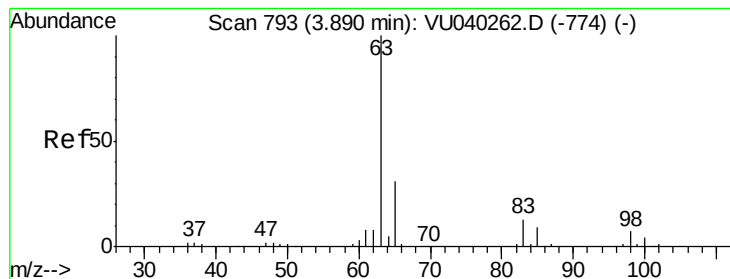
#18
Methyl tert-butyl Ether
Concen: 5.210 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion: 73 Resp: 44960
Ion Ratio Lower Upper
73 100
43 24.6 18.5 27.7
57 24.6 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 5.995 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005201

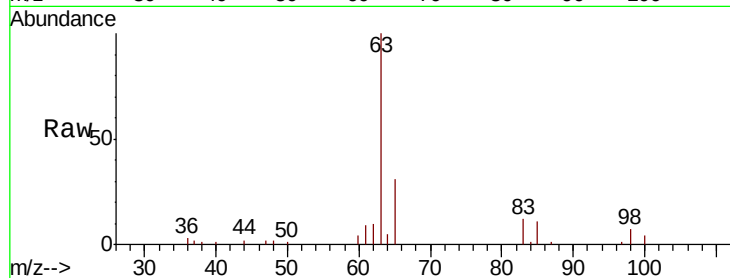
Tot Ion: 63 Resp: 30274

Ion Ratio Lower Upper

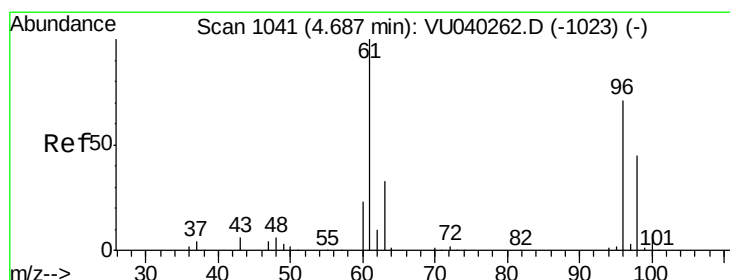
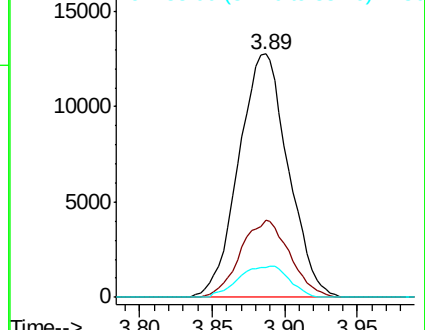
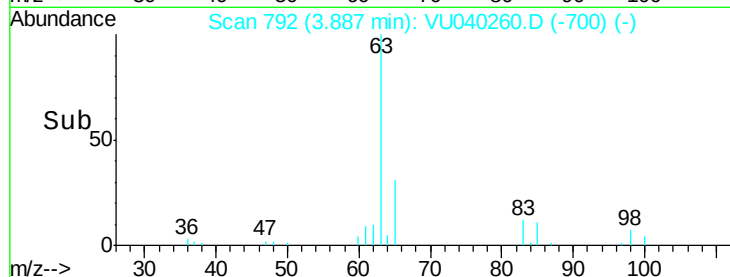
63 100

65 31.5 22.0 40.8

83 12.4 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU040260.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.438 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

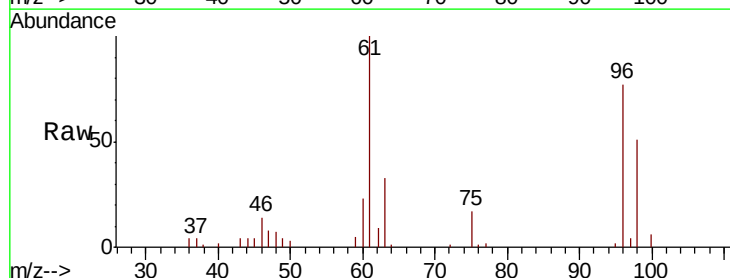
Tgt Ion: 96 Resp: 15389

Ion Ratio Lower Upper

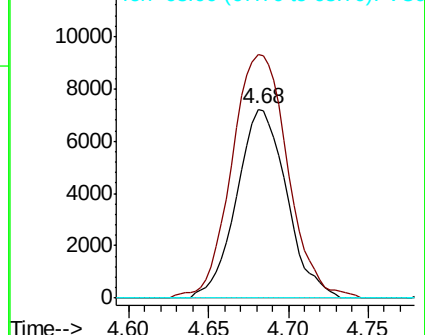
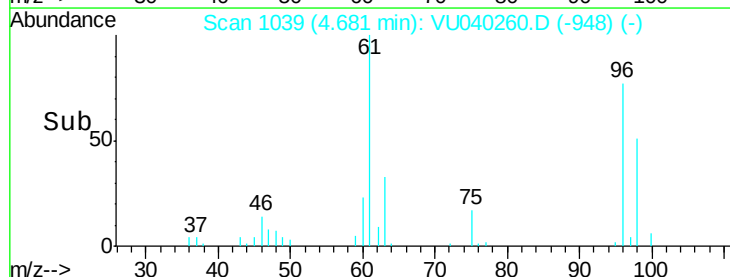
96 100

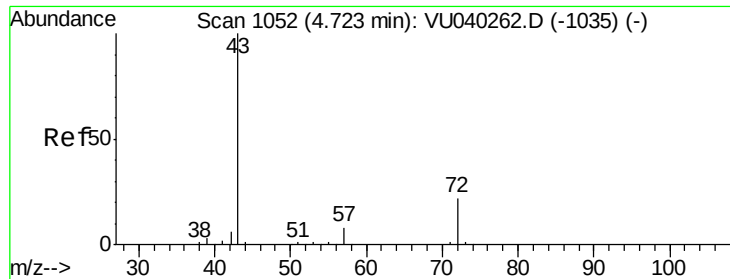
61 129.1 98.6 183.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040260.D (-948) (-)





#22

2-Butanone

Concen: 11.396 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

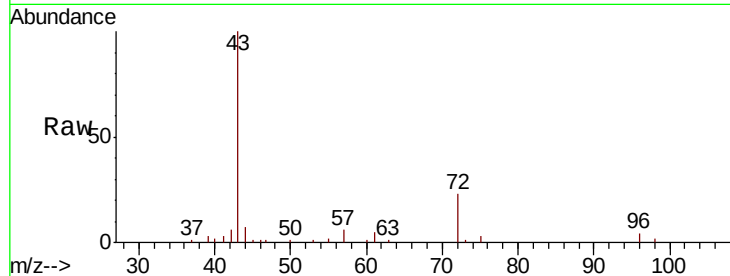
VSTD005201

Tot Ion: 43 Resp: 32645

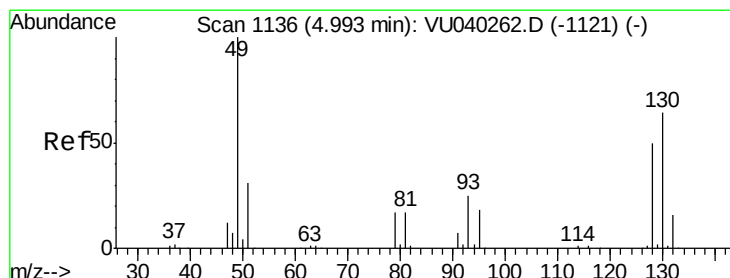
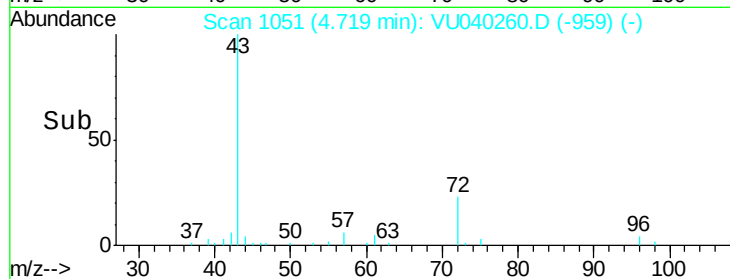
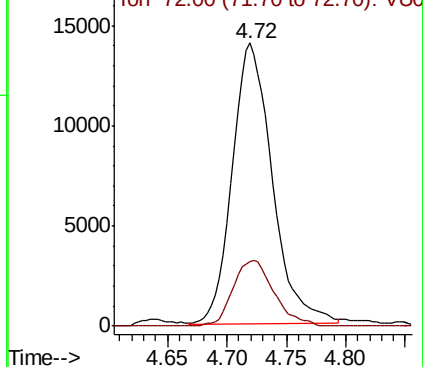
Ion Ratio Lower Upper

43 100

72 23.9 11.5 34.4



Abundance Ion 43.00 (42.70 to 43.70): VU040260.D (-959) (-)



#23

Bromochloromethane

Concen: 6.290 ug/L

RT: 4.99 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Tgt Ion: 128 Resp: 8533

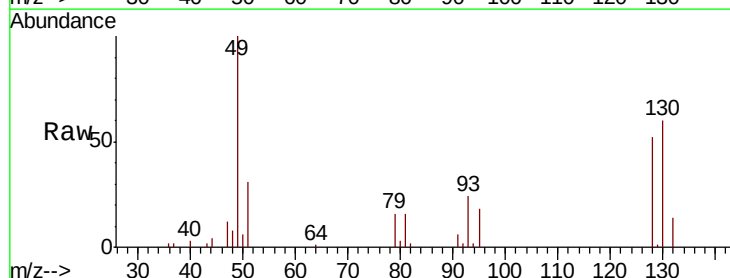
Ion Ratio Lower Upper

128 100

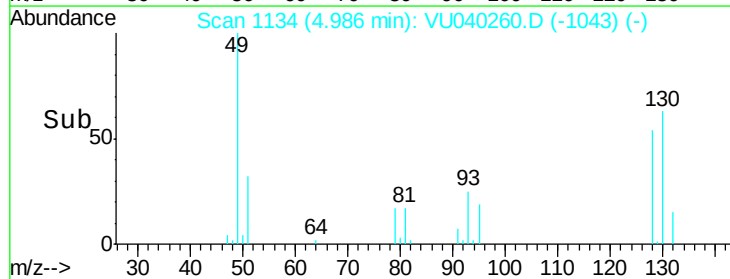
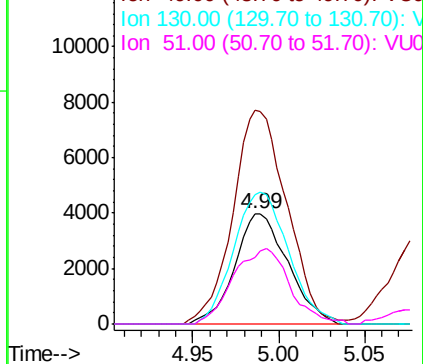
49 193.6 140.8 261.4

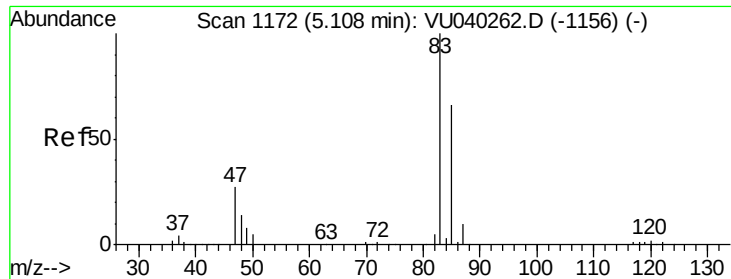
130 117.0 89.2 165.6

51 60.5 50.2 75.4



Abundance Ion 128.00 (127.70 to 128.70): VU040260.D (-1043) (-)

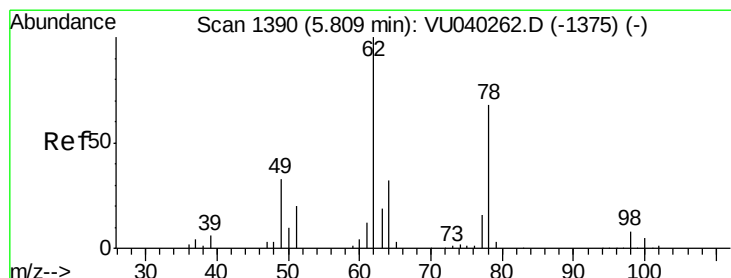
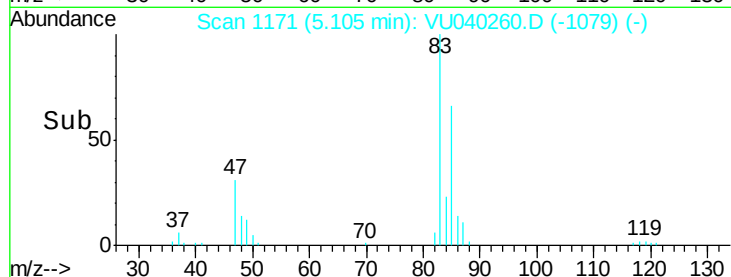
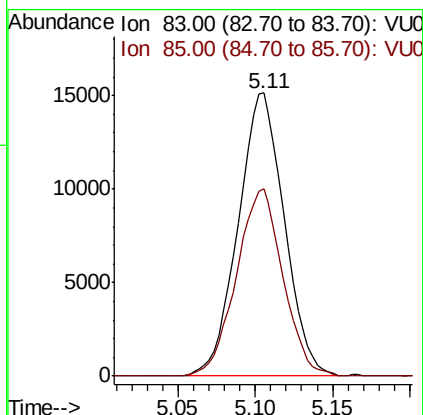
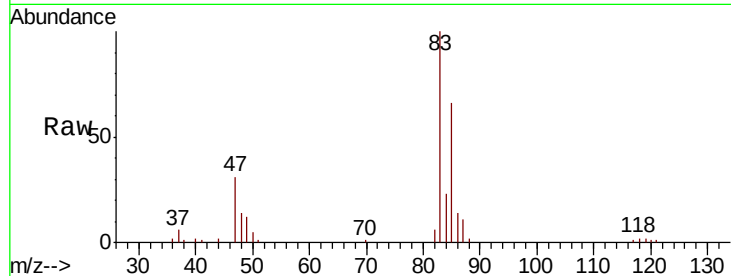




#25
Chloroform
Concen: 6.375 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

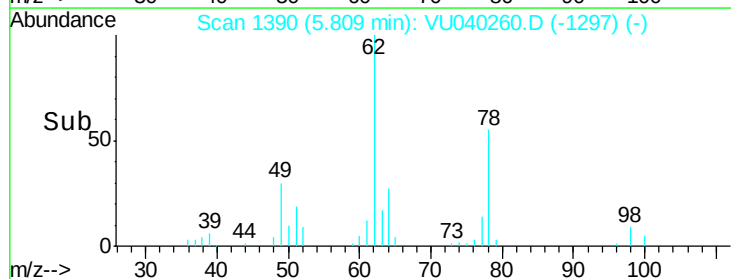
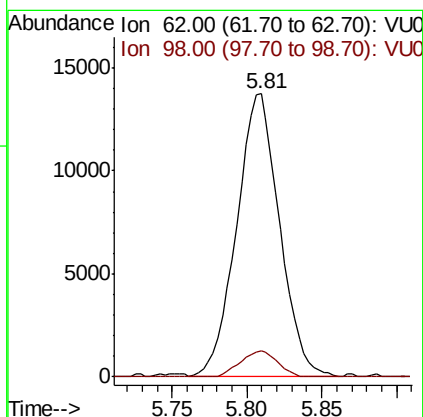
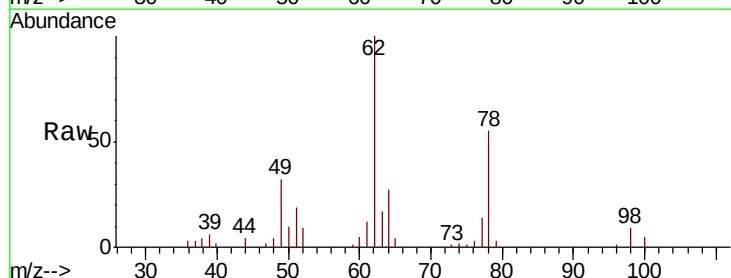
Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

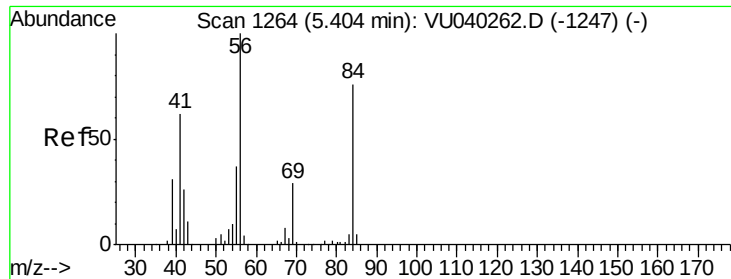
Tot Ion: 83 Resp: 31473
Ion Ratio Lower Upper
83 100
85 66.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 6.641 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion: 62 Resp: 27507
Ion Ratio Lower Upper
62 100
98 9.4 6.5 9.7

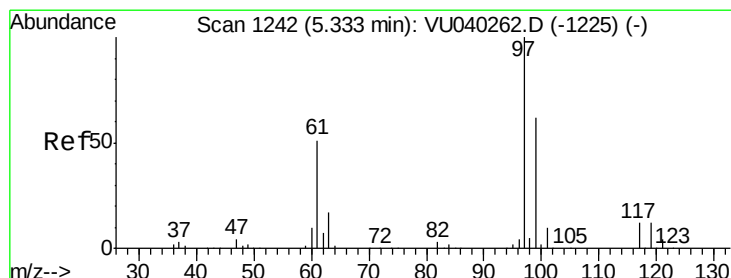
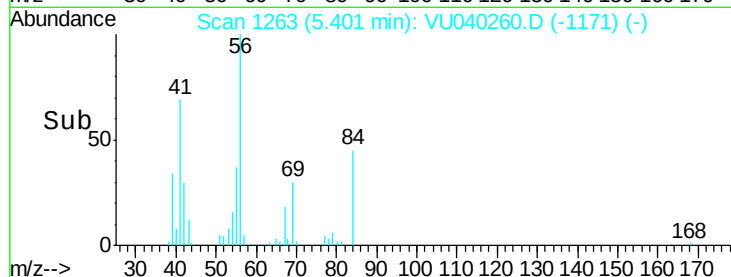
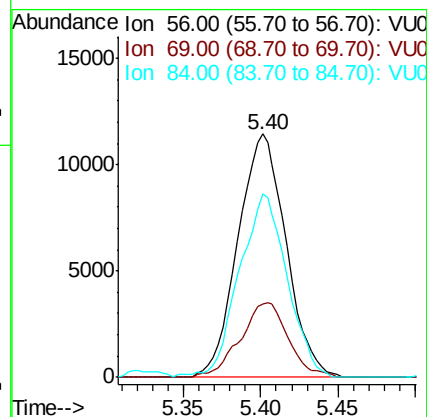
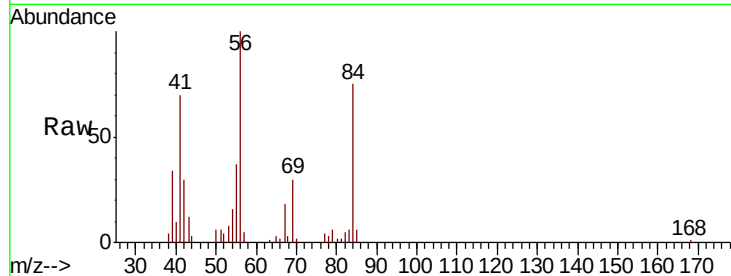




#29
Cyclohexane
Concen: 4.977 ug/L
RT: 5.40 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

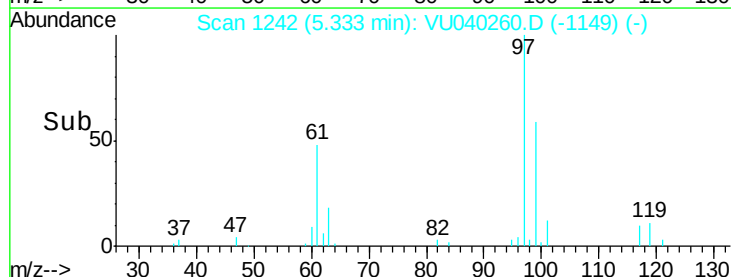
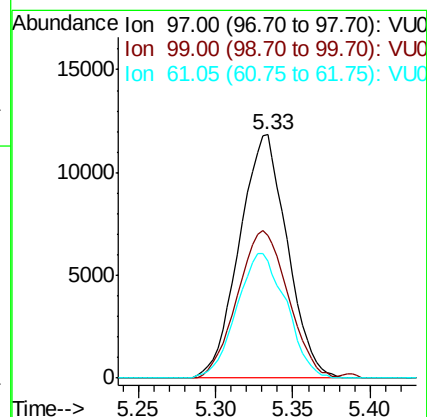
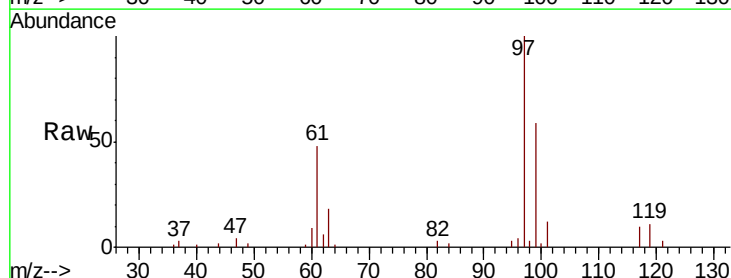
Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

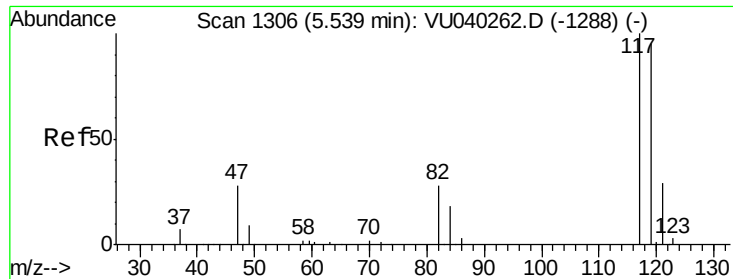
Tot Ion: 56 Resp: 24686
Ion Ratio Lower Upper
56 100
69 30.7 22.6 33.8
84 74.8 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 6.086 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion: 97 Resp: 25542
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 52.8 40.2 60.4

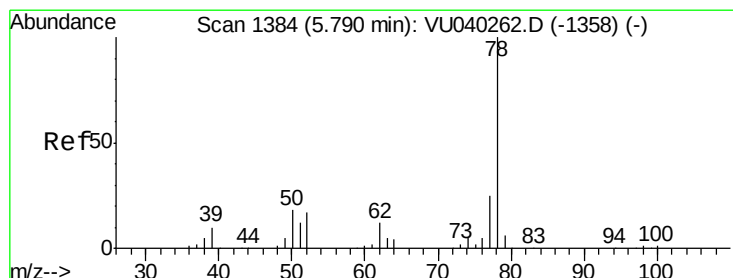
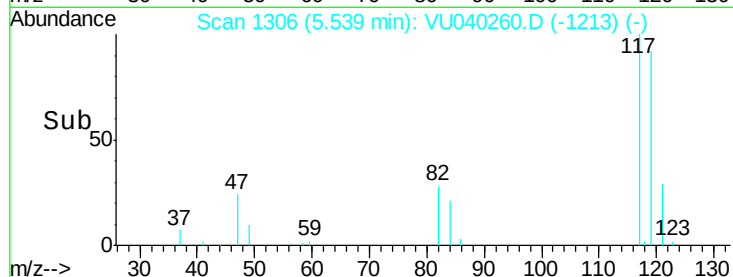
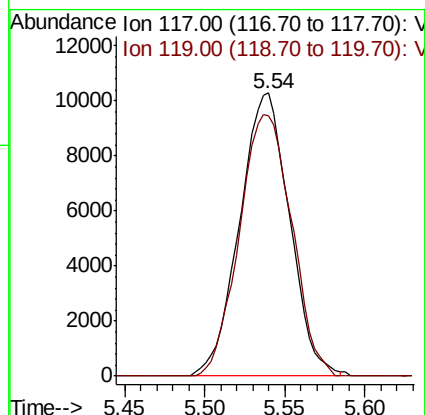
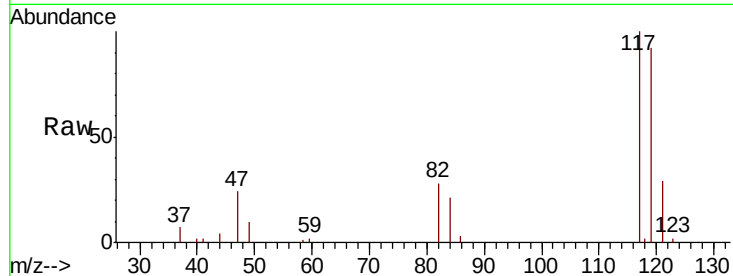




#31
Carbon tetrachloride
Concen: 6.382 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

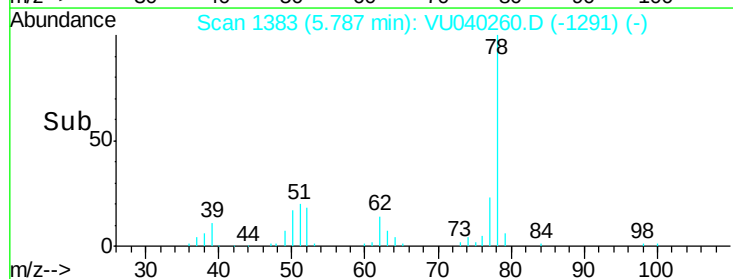
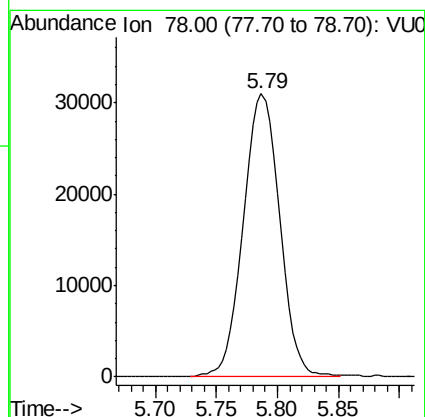
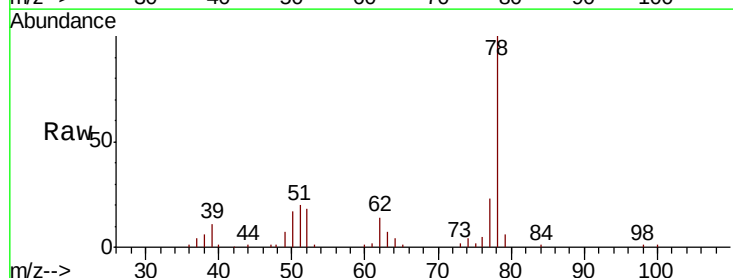
Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

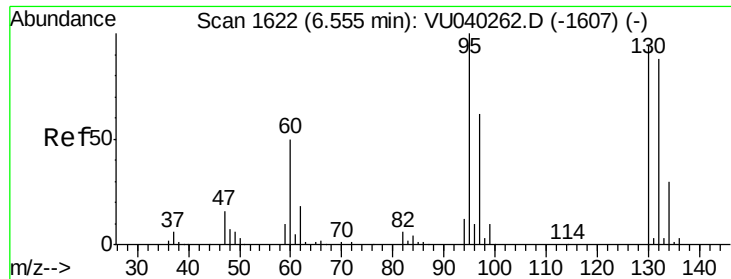
Tot Ion:117 Resp: 21962
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.2



#33
Benzene
Concen: 5.499 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion: 78 Resp: 63921

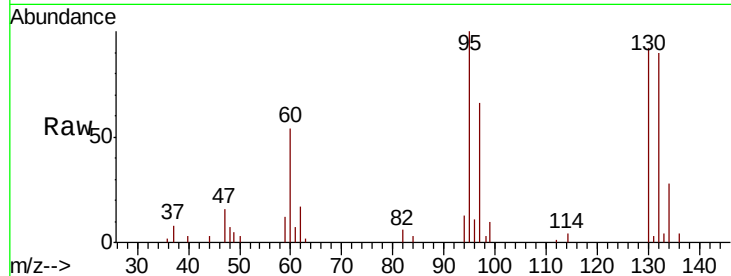




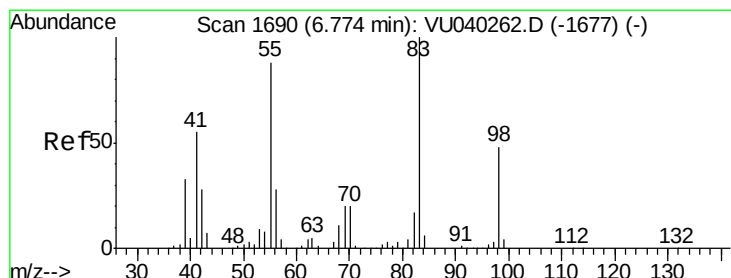
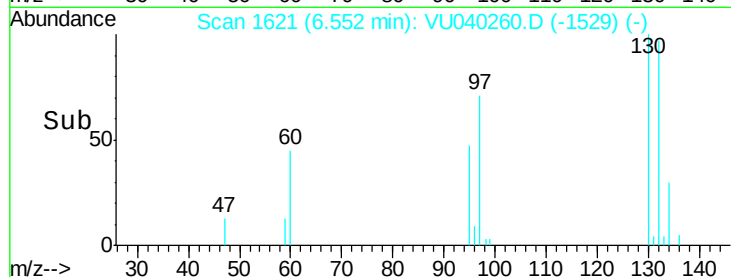
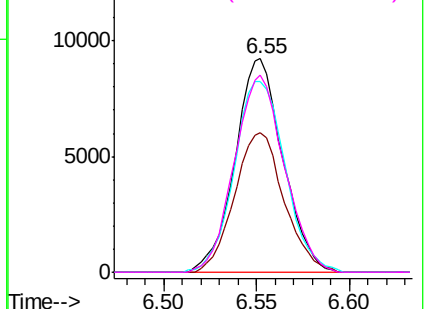
#34
 Trichloroethene
 Concen: 5.704 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

Tot Ion: 95 Resp: 16509
 Ion Ratio Lower Upper
 95 100
 97 65.5 43.8 81.3
 132 89.6 61.7 114.7
 130 92.3 65.9 122.5

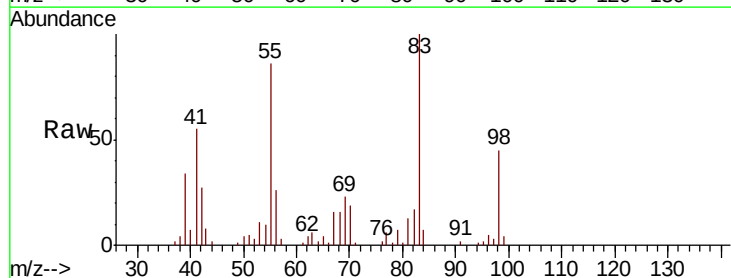


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

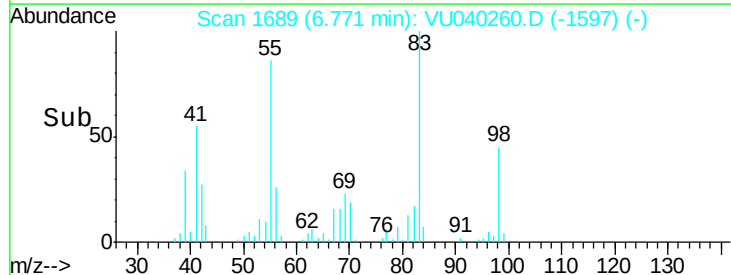
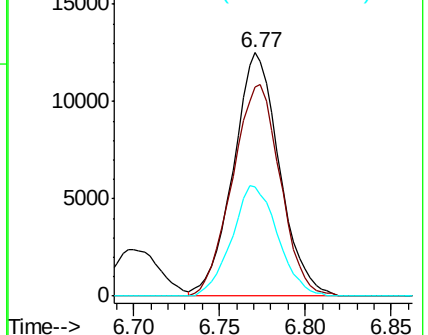


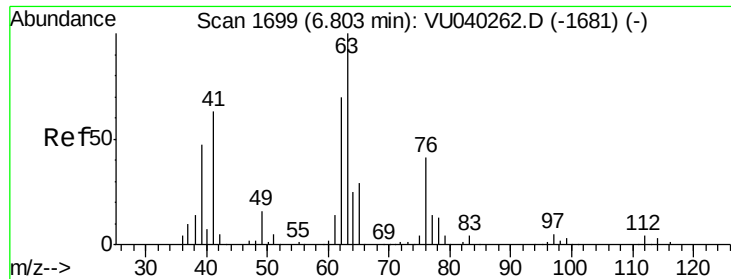
#35
 Methylcyclohexane
 Concen: 4.674 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion: 83 Resp: 23317
 Ion Ratio Lower Upper
 83 100
 55 90.1 69.4 104.0
 98 45.1 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

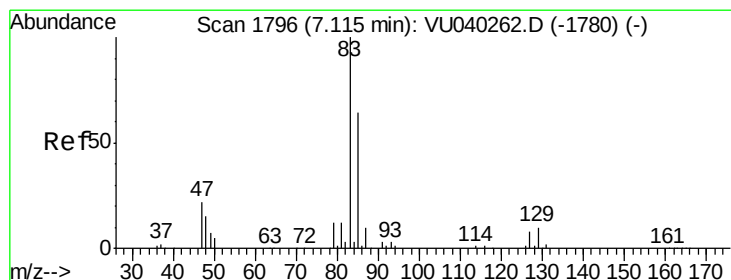
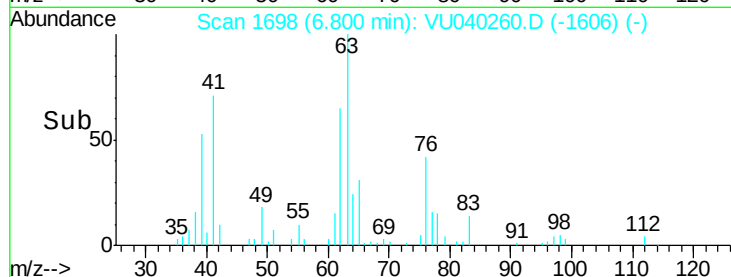
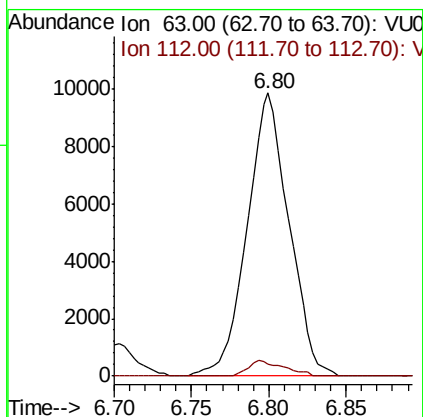
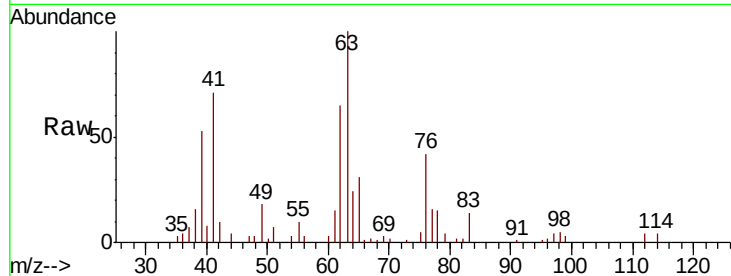




#37
 1,2-Dichloropropane
 Concen: 5.891 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

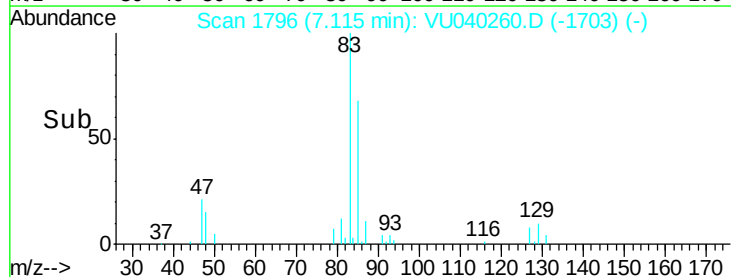
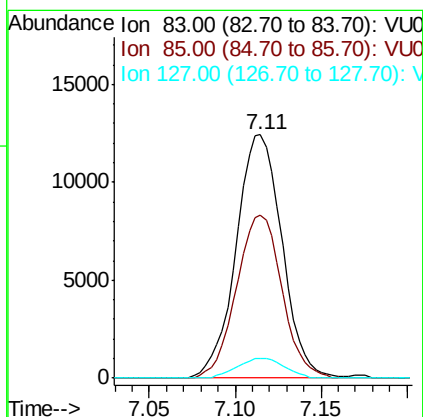
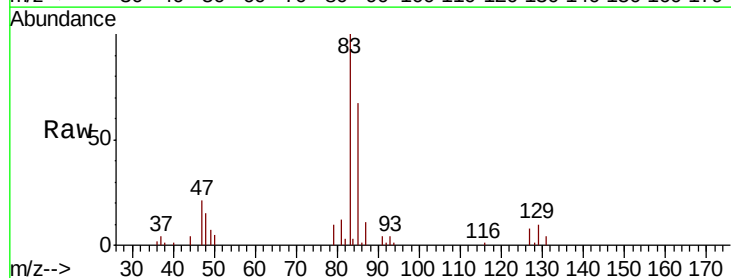
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD005201

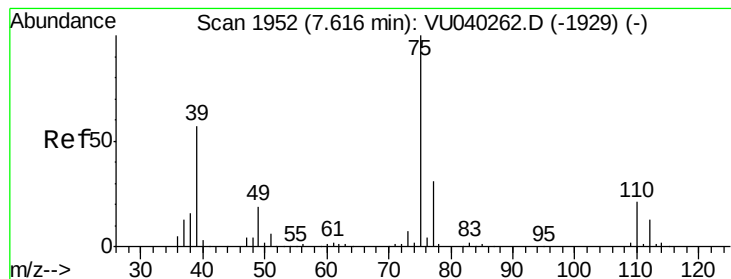
Tot Ion: 63 Resp: 18574
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.952 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion: 83 Resp: 23053
 Ion Ratio Lower Upper
 83 100
 85 67.1 44.9 83.5
 127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.547 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

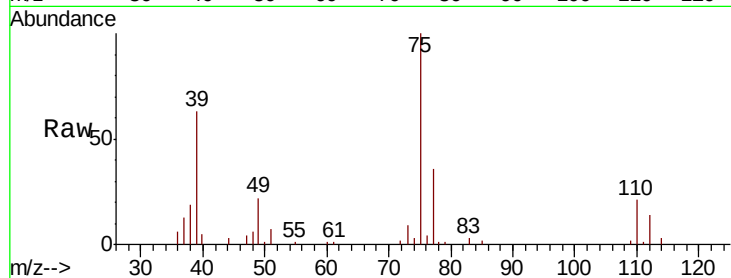
VSTD005201

Tot Ion: 75 Resp: 22577

Ion Ratio Lower Upper

75 100

77 36.1 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU040260.D (-1859) (-)

Ion 77.00 (76.70 to 77.70): VU040260.D (-1859) (-)

7.61

15000

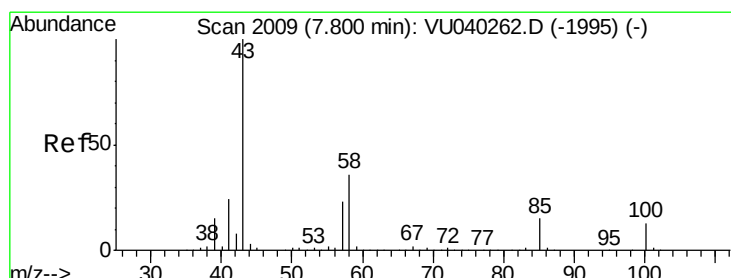
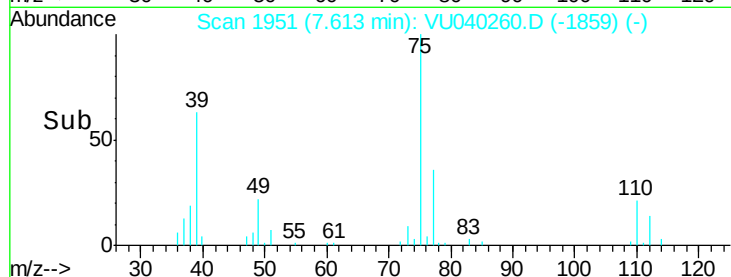
10000

5000

0

7.55 7.60 7.65

Time-->



#40

4-Methyl-2-pentanone

Concen: 10.203 ug/L

RT: 7.80 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

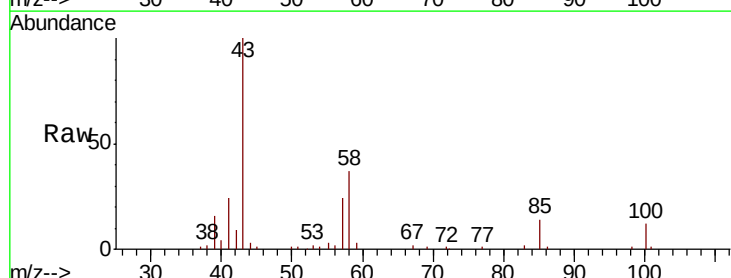
Tgt Ion: 43 Resp: 51505

Ion Ratio Lower Upper

43 100

58 34.0 28.5 42.7

100 12.4 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU040260.D (-1916) (-)

Ion 58.00 (57.70 to 58.70): VU040260.D (-1916) (-)

Ion 100.00 (99.70 to 100.70): VU040260.D (-1916) (-)

7.80

30000

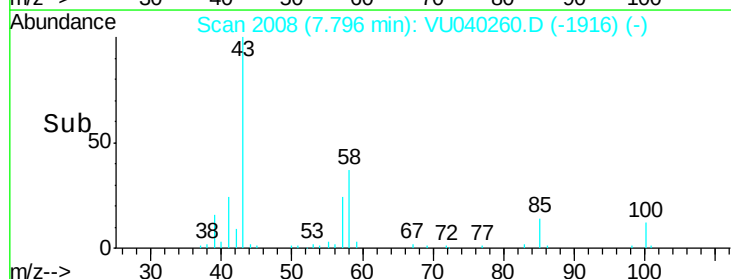
20000

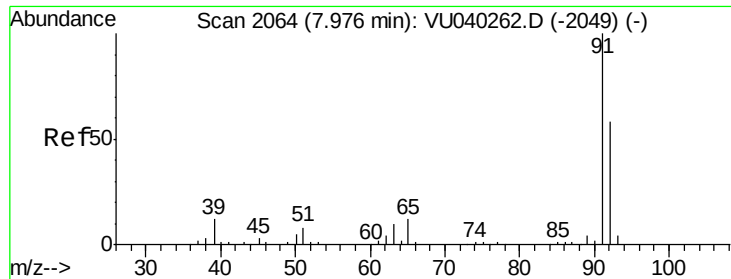
10000

0

7.75 7.80 7.85 7.90

Time-->





#42

Toluene

Concen: 4.793 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

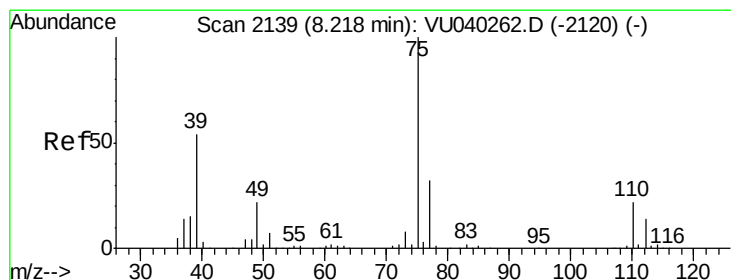
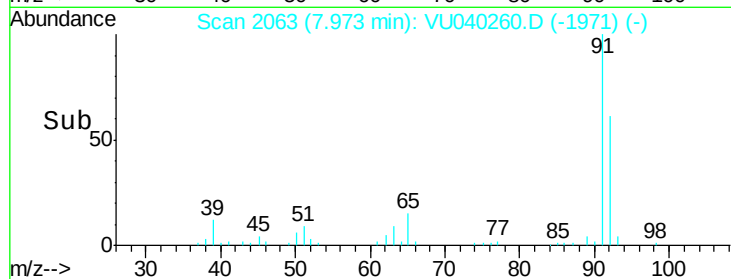
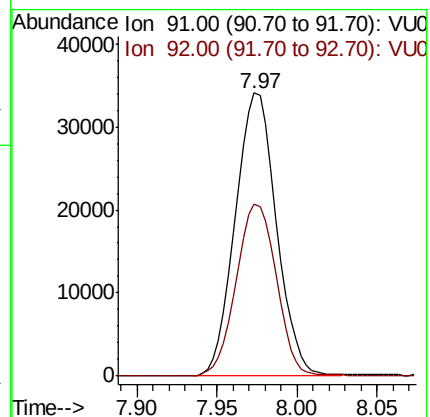
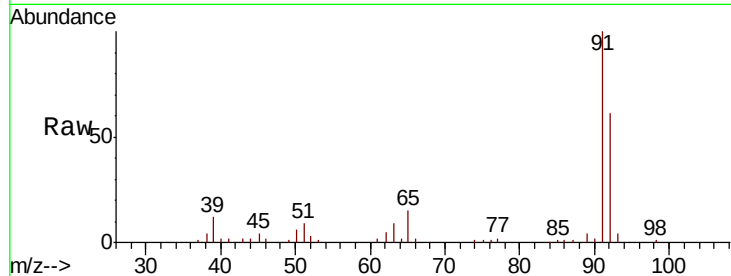
VSTD005201

Tot Ion: 91 Resp: 59794

Ion Ratio Lower Upper

91 100

92 60.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.369 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040260.D

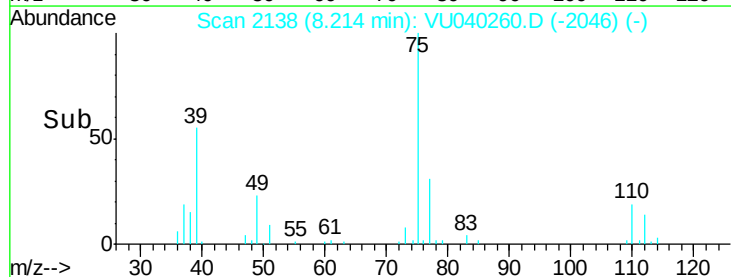
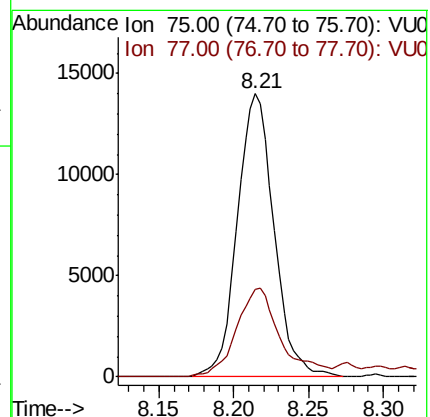
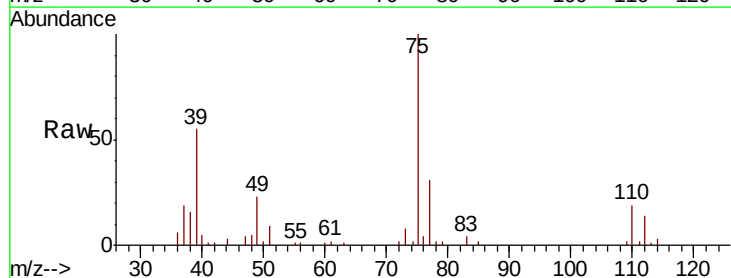
Acq: 24 Sep 2020 09:34

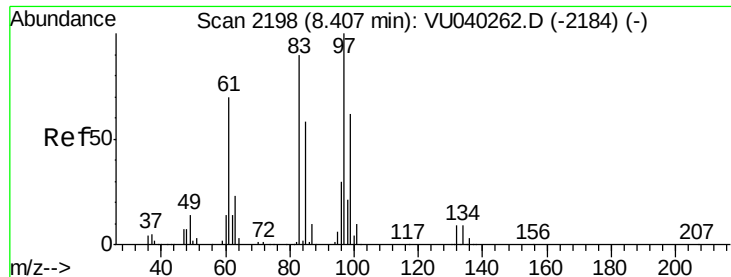
Tgt Ion: 75 Resp: 23905

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7

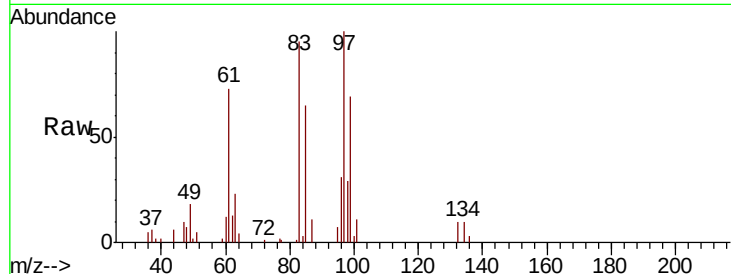




#45
 1,1,2-Trichloroethane
 Concen: 5.526 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

Tot Ion:	97	Resp:	15733
Ion	Ratio	Lower	Upper
97	100		
99	68.5	43.3	80.5
83	94.5	62.7	116.5
85	65.2	40.7	75.5



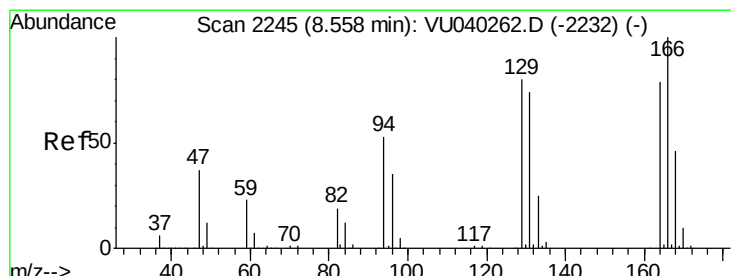
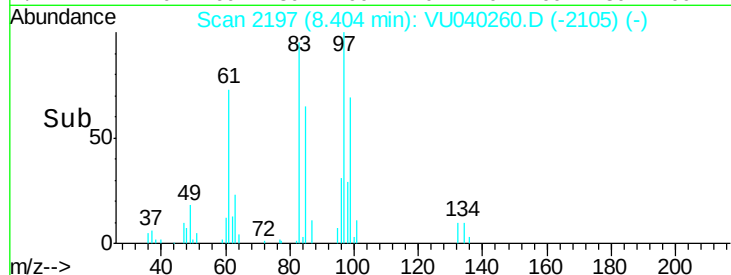
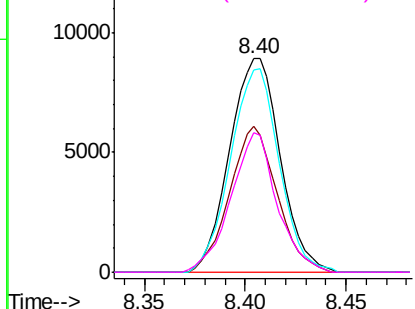
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

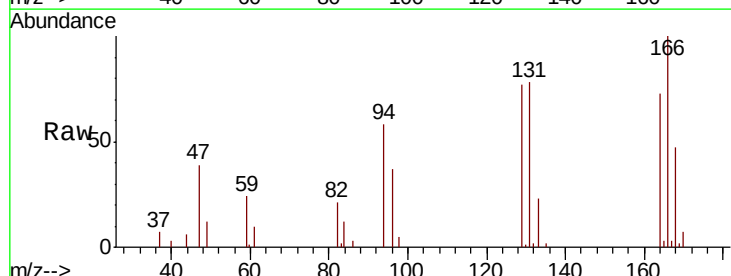
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 5.456 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion:	164	Resp:	11111
Ion	Ratio	Lower	Upper
164	100		
129	106.1	70.5	130.9
131	106.3	65.7	121.9
166	137.0	88.5	164.4



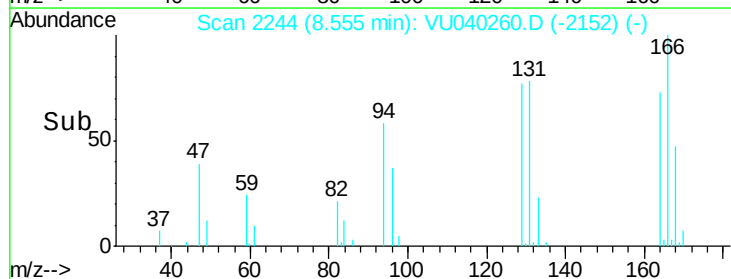
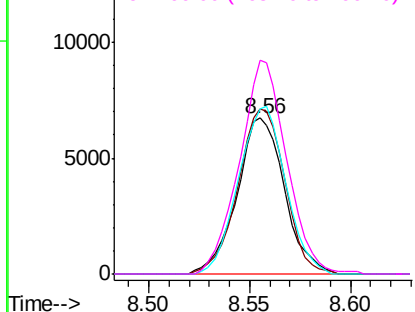
Abundance

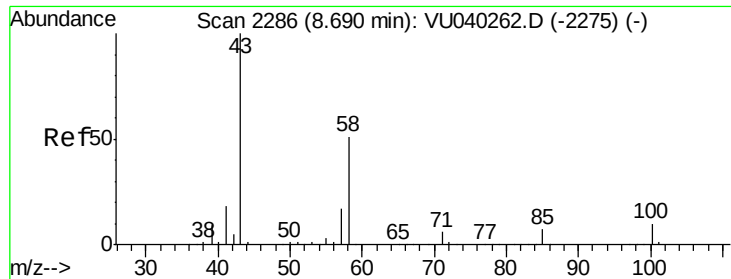
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

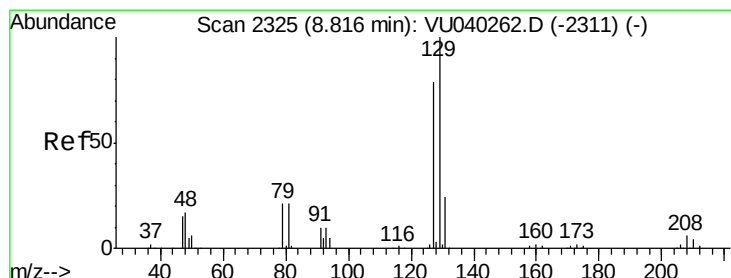
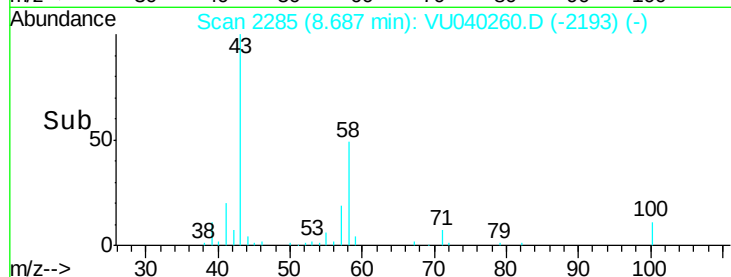
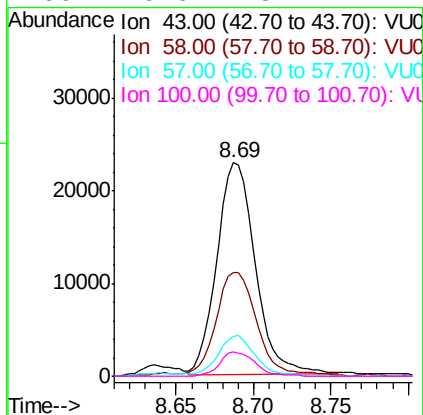
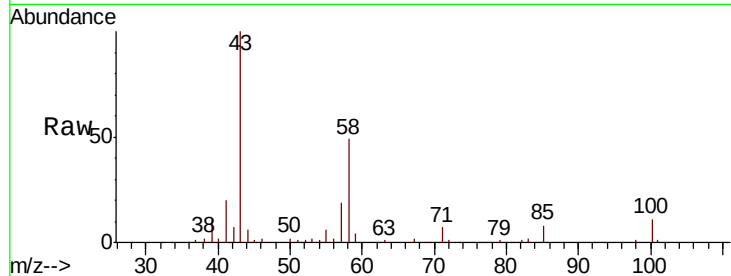




#48
2-Hexanone
Concen: 9.611 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

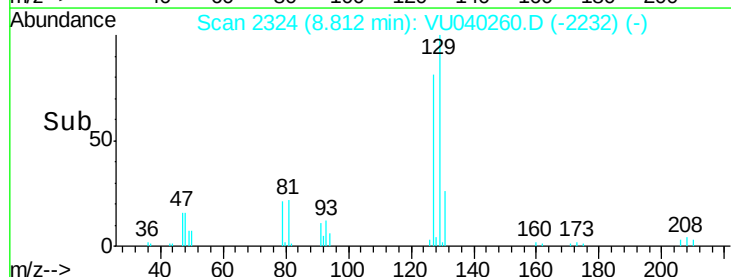
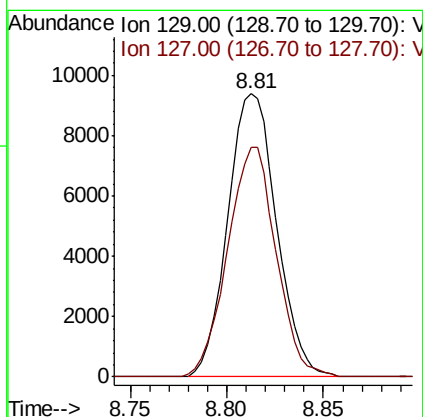
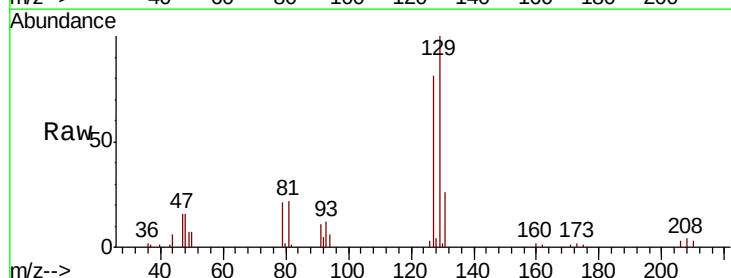
Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

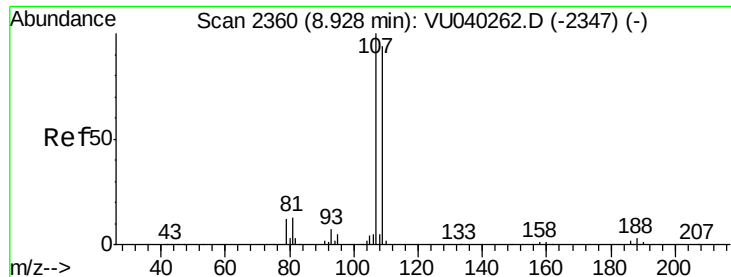
Tot Ion:	43	Resp:	39746
Ion	Ratio	Lower	Upper
43	100		
58	48.6	40.3	60.5
57	18.6	13.9	20.9
100	10.6	8.2	12.2



#49
Dibromochloromethane
Concen: 5.761 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion:	129	Resp:	16460
Ion	Ratio	Lower	Upper
129	100		
127	81.0	55.1	102.3

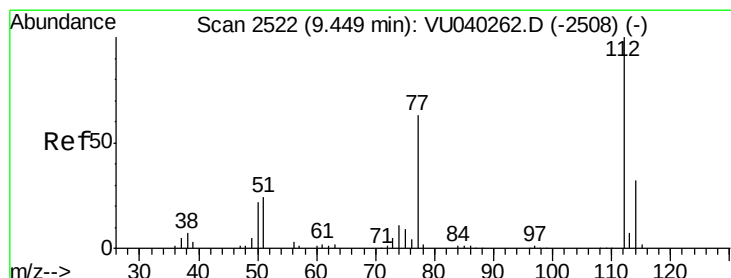
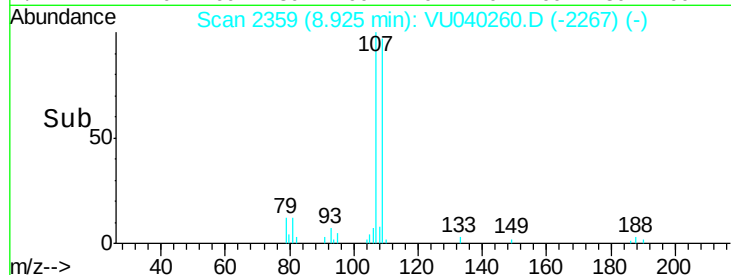
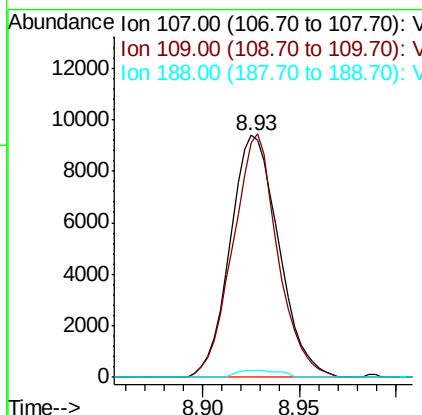
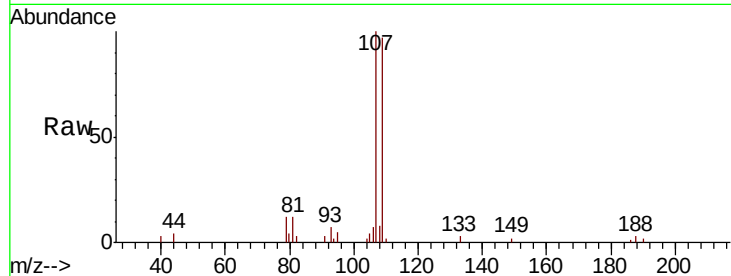




#50
 1,2-Dibromoethane
 Concen: 5.455 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

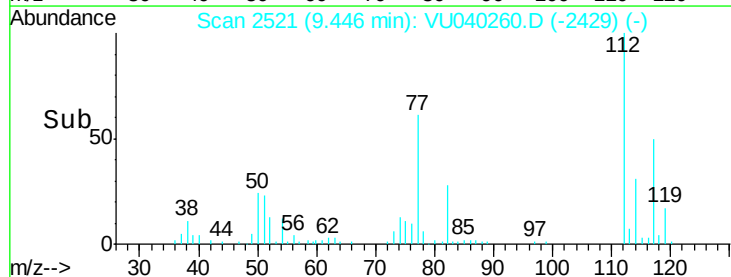
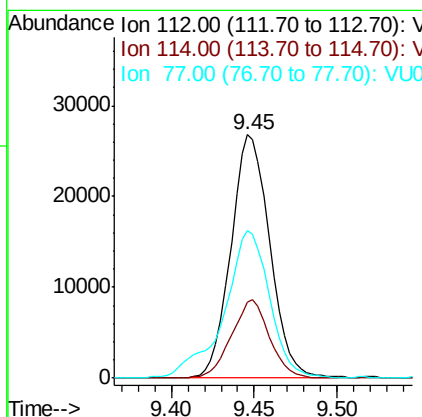
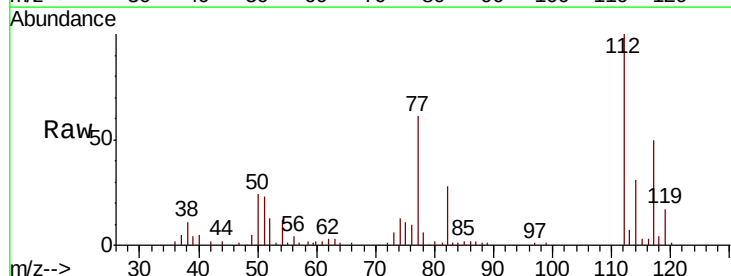
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

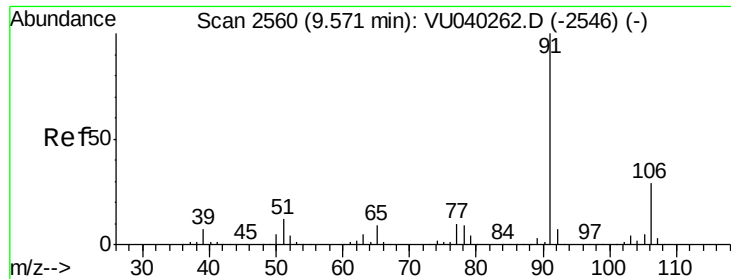
Tot Ion:107 Resp: 16386
 Ion Ratio Lower Upper
 107 100
 109 97.1 65.9 122.3
 188 2.8 2.6 3.8



#51
 Chlorobenzene
 Concen: 5.781 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion:112 Resp: 43822
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.7 42.3
 77 60.8 50.7 76.1





#52

Ethylbenzene

Concen: 4.805 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

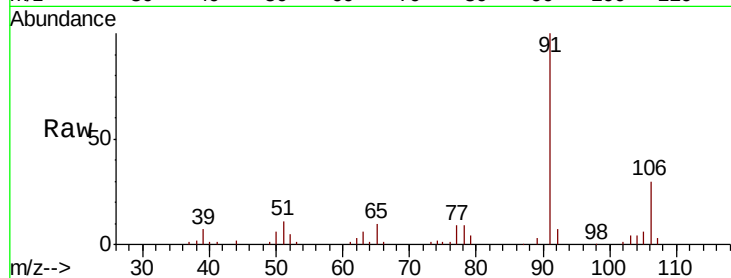
VSTD005201

Tot Ion: 91 Resp: 65911

Ion Ratio Lower Upper

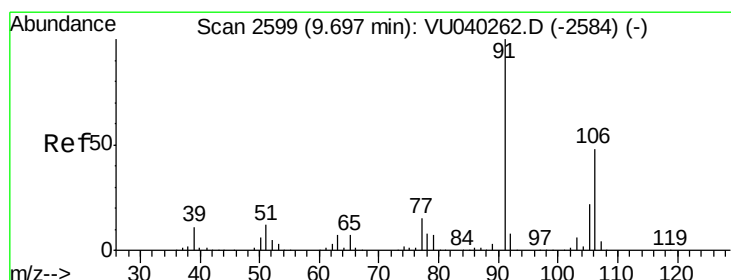
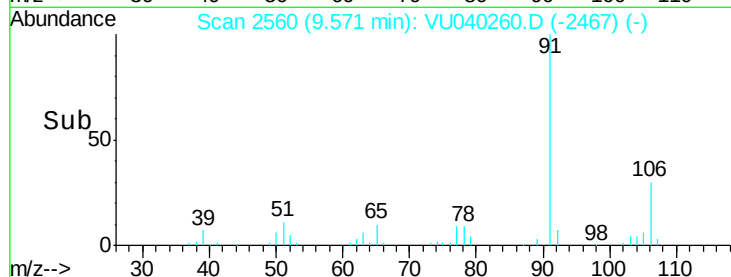
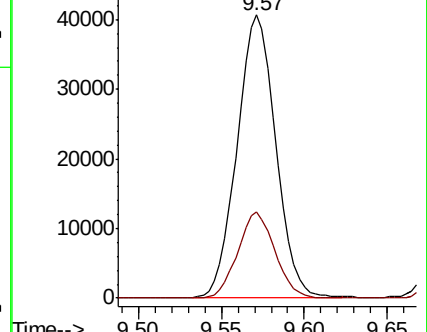
91 100

106 30.3 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU040262.D (-2546) (-)

Ion 106.00 (105.70 to 106.70): VU040262.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.542 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040260.D

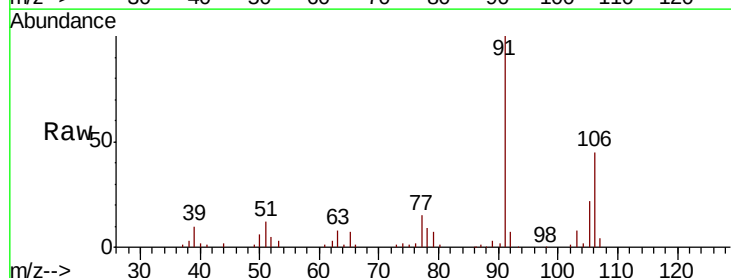
Acq: 24 Sep 2020 09:34

Tgt Ion: 106 Resp: 22943

Ion Ratio Lower Upper

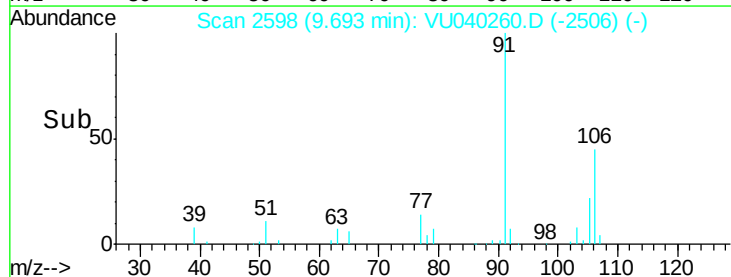
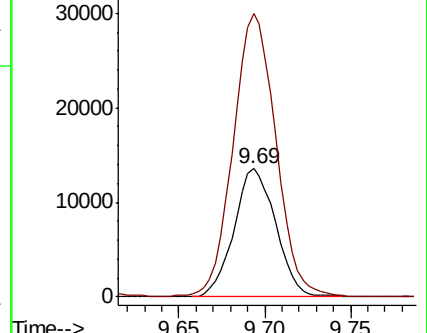
106 100

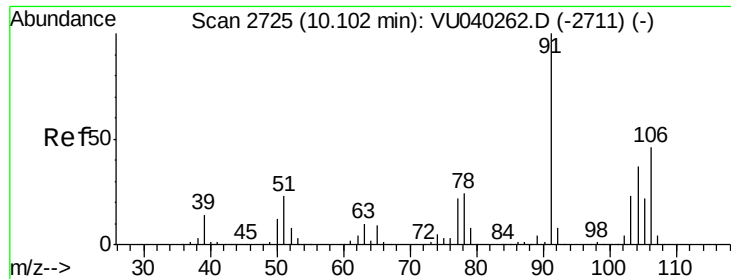
91 221.1 147.1 273.3



Abundance Ion 106.00 (105.70 to 106.70): VU040262.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU040262.D (-2584) (-)





#54

o-xylene

Concen: 4.539 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

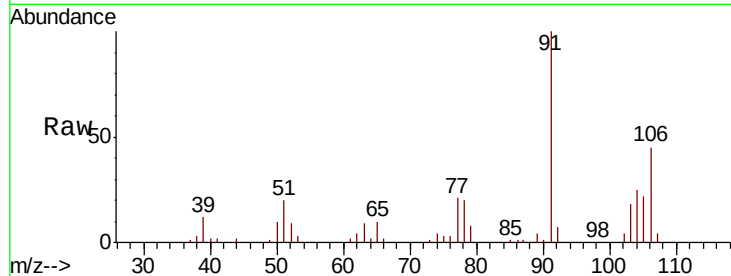
VSTD005201

Tot Ion:106 Resp: 22723

Ion Ratio Lower Upper

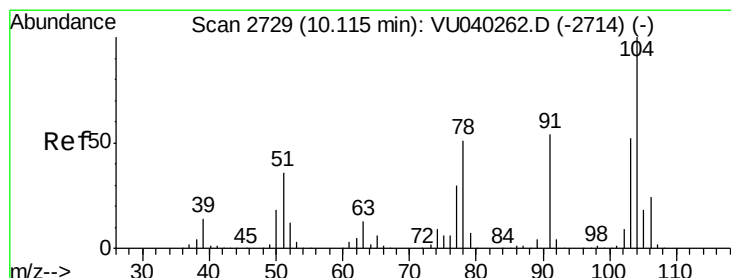
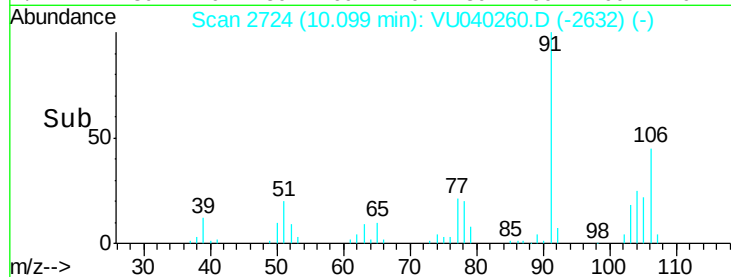
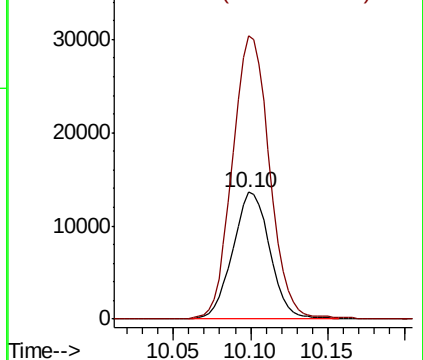
106 100

91 223.6 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.412 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040260.D

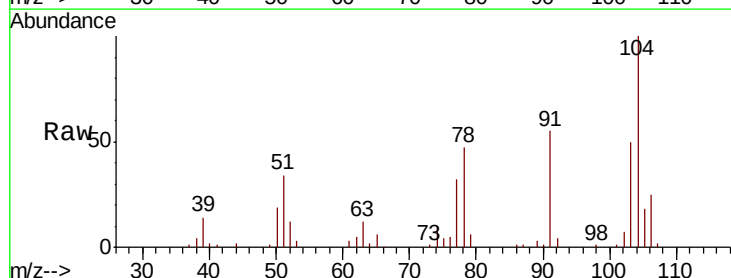
Acq: 24 Sep 2020 09:34

Tgt Ion:104 Resp: 37044

Ion Ratio Lower Upper

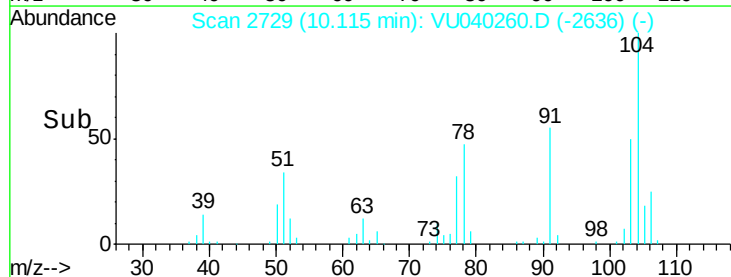
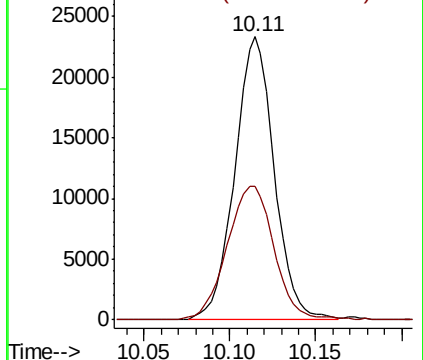
104 100

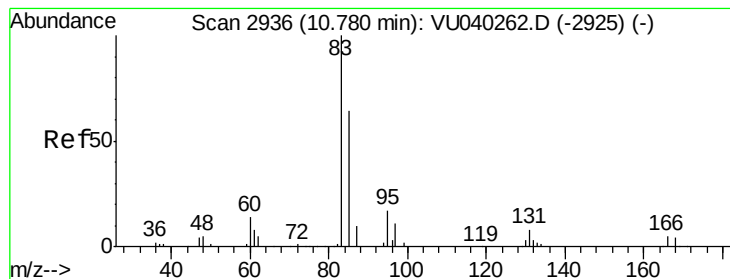
78 47.3 35.8 66.4



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: 5.321 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD005201

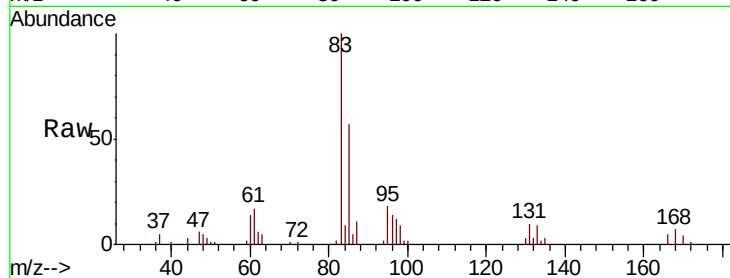
Tot Ion: 83 Resp: 27055

Ion Ratio Lower Upper

83 100

85 56.8 45.6 84.6

131 10.4 7.4 11.0

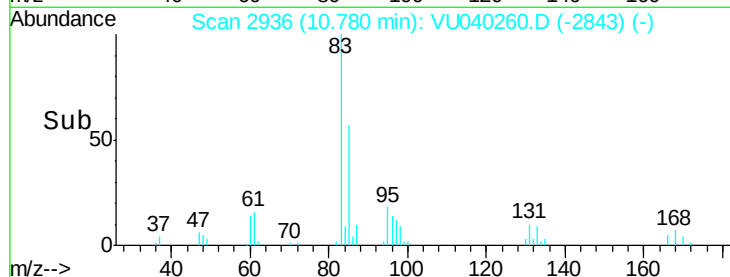


Abundance Ion 83.00 (82.70 to 83.70): VU040260.D (-2925) (-)

Ion 85.00 (84.70 to 85.70): VU040260.D (-2925) (-)

Ion 131.00 (130.70 to 131.70): VU040260.D (-2925) (-)

Time-->

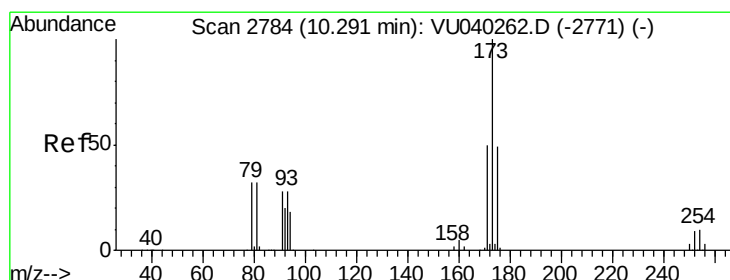


Abundance Ion 83.00 (82.70 to 83.70): VU040260.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VU040260.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VU040260.D (-2843) (-)

Time-->



#59

Bromoform

Concen: 5.461 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040260.D

Acq: 24 Sep 2020 09:34

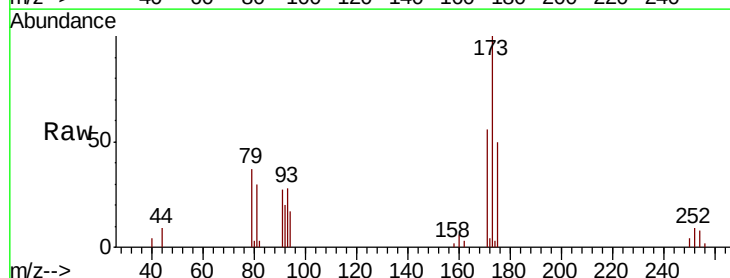
Tgt Ion: 173 Resp: 11124

Ion Ratio Lower Upper

173 100

175 50.0 38.6 58.0

254 7.9 7.0 10.4

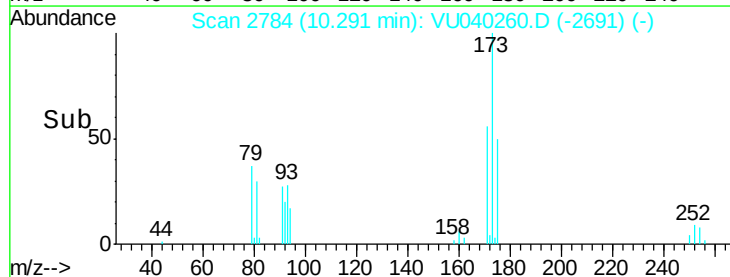


Abundance Ion 173.00 (172.70 to 173.70): VU040260.D (-2771) (-)

Ion 175.00 (174.70 to 175.70): VU040260.D (-2771) (-)

Ion 254.00 (253.70 to 254.70): VU040260.D (-2771) (-)

Time-->

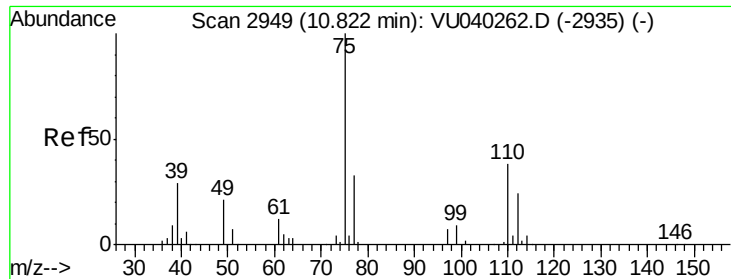


Abundance Ion 173.00 (172.70 to 173.70): VU040260.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VU040260.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VU040260.D (-2691) (-)

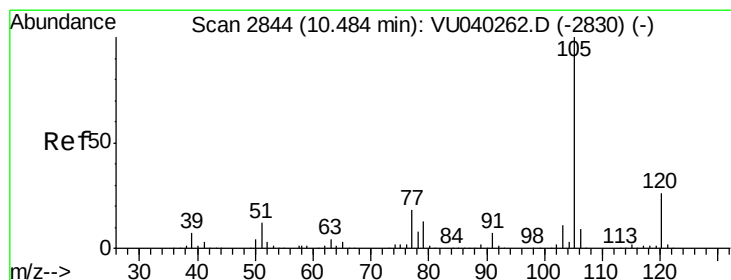
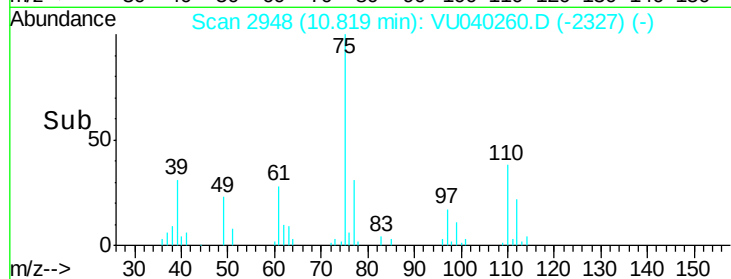
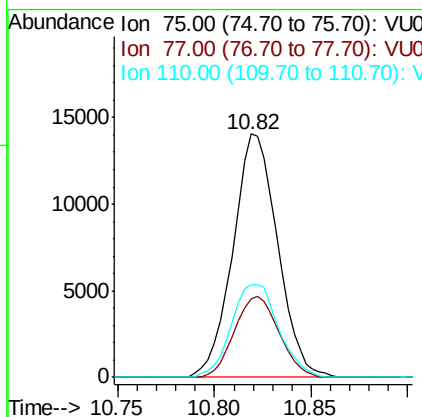
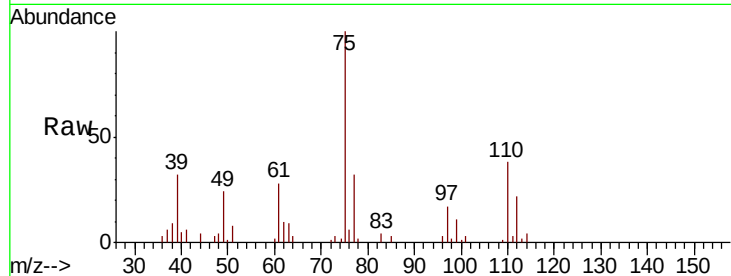
Time-->



#60
1,2,3-Trichloropropane
Concen: 5.305 ug/L
RT: 10.82 min Scan# 2948
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

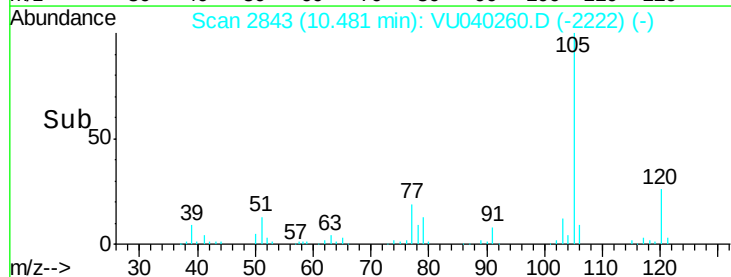
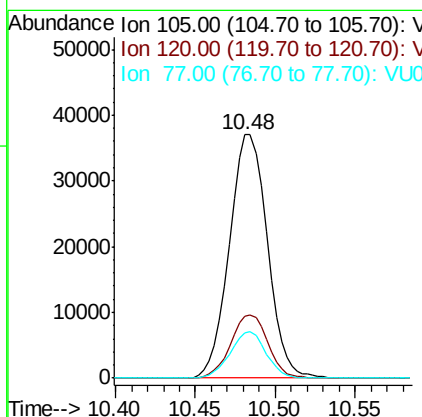
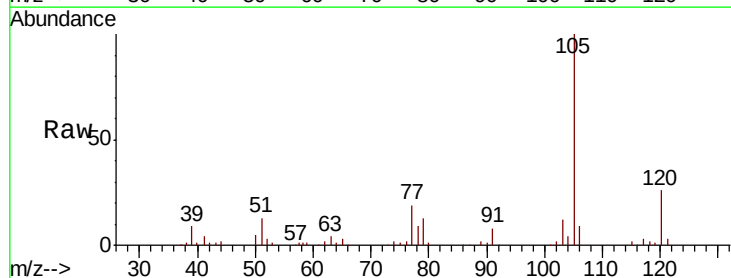
Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

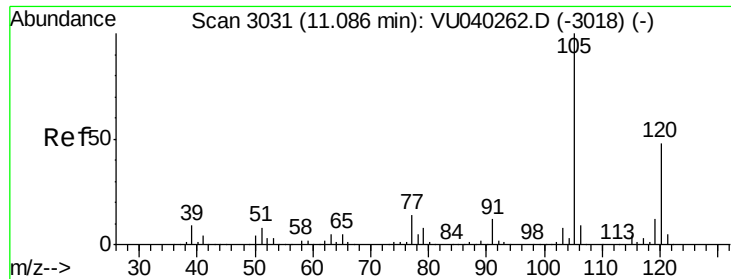
Tot Ion: 75 Resp: 22590
Ion Ratio Lower Upper
75 100
77 33.0 26.0 39.0
110 40.3 29.8 44.8



#61
Isopropylbenzene
Concen: 4.483 ug/L
RT: 10.48 min Scan# 2843
Delta R.T. -0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion: 105 Resp: 59991
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8
77 17.8 13.8 20.6

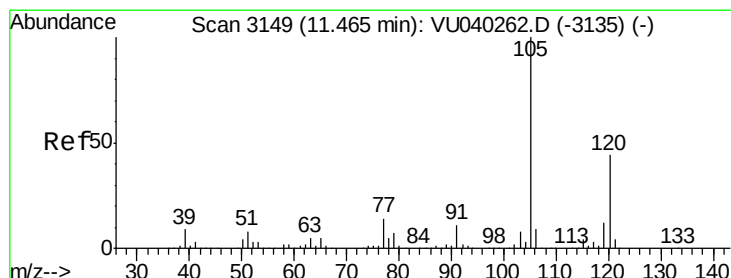
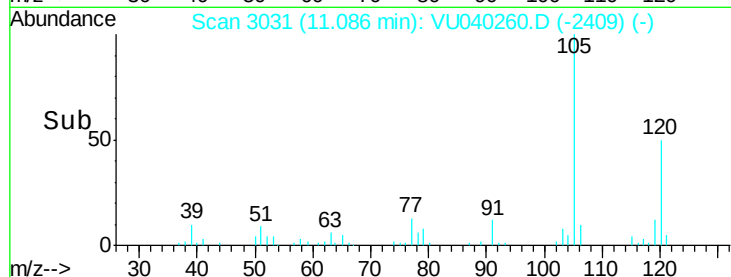
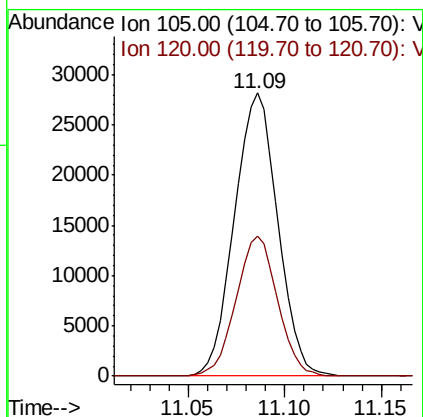
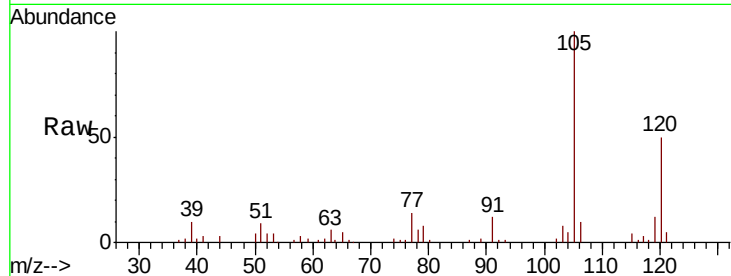




#62
 1,3,5-Trimethylbenzene
 Concen: 3.860 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

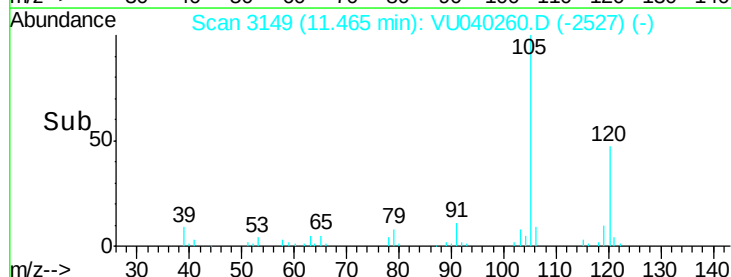
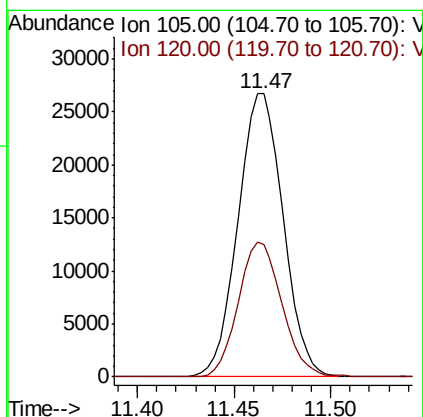
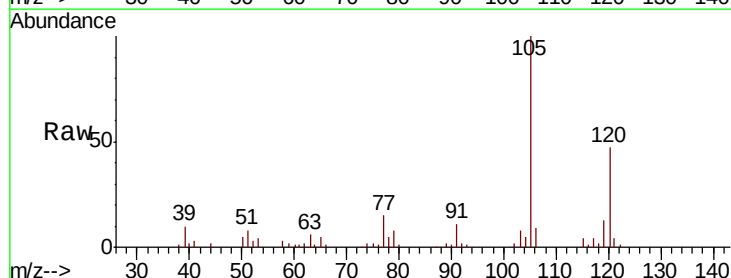
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

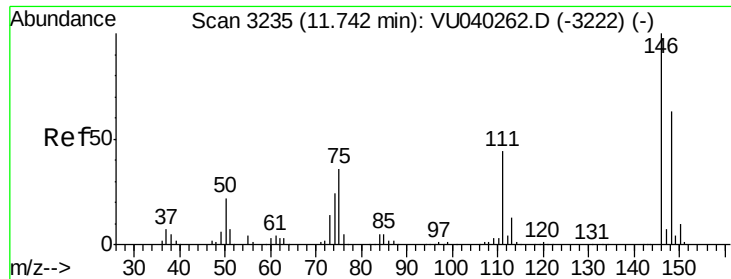
Tot Ion:105 Resp: 43999
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 3.790 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion:105 Resp: 43447
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.8 53.6

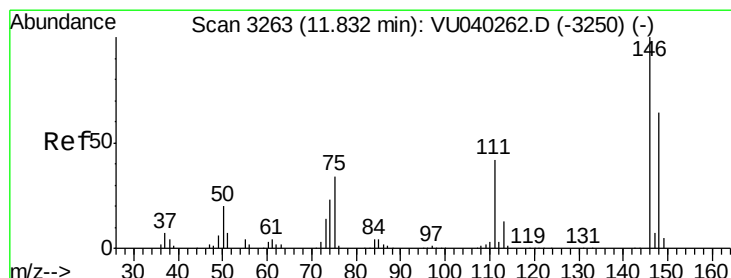
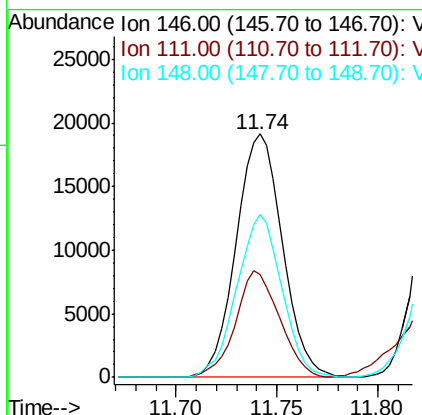
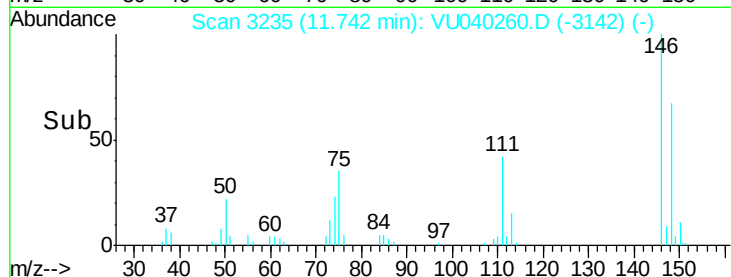
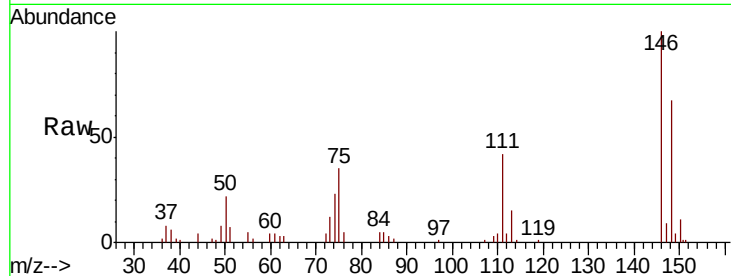




#64
 1,3-Dichlorobenzene
 Concen: 5.399 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

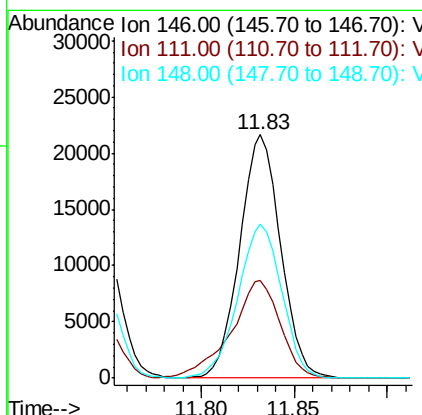
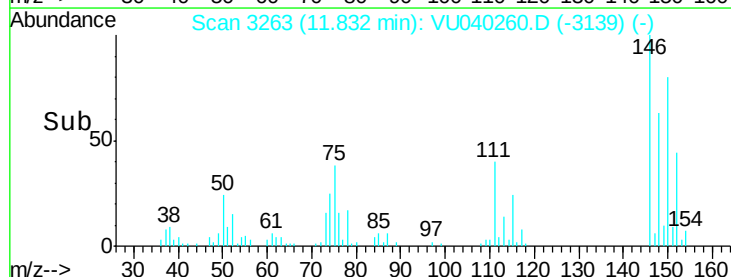
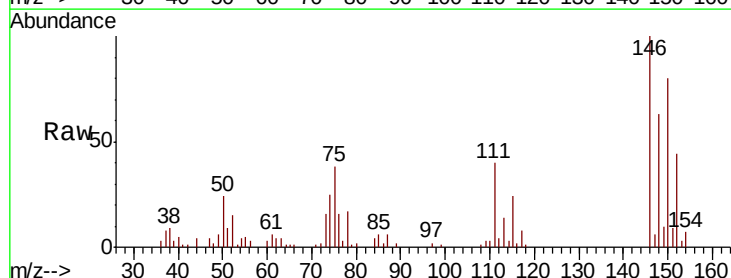
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

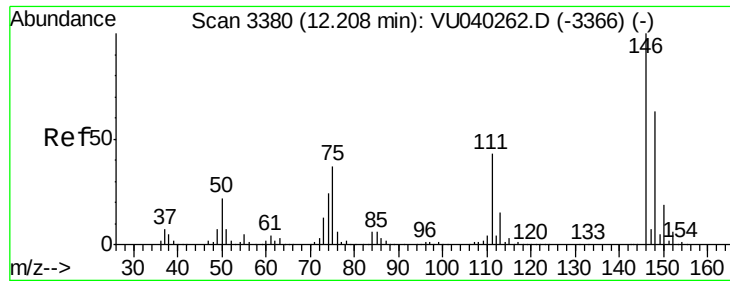
Tot Ion:146 Resp: 30861
 Ion Ratio Lower Upper
 146 100
 111 42.1 30.6 56.8
 148 67.2 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 5.711 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion:146 Resp: 33113
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.4 54.6
 148 63.3 44.7 83.1

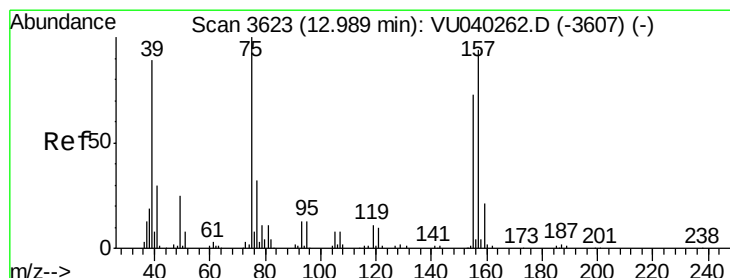
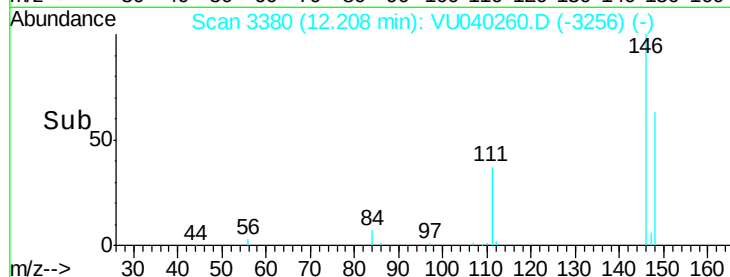
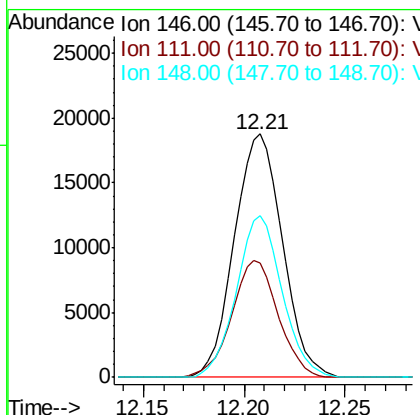
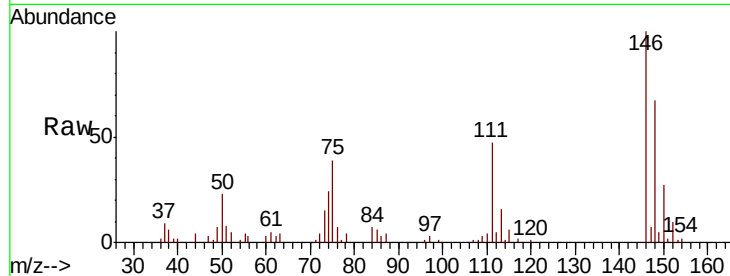




#67
 1,2-Dichlorobenzene
 Concen: 5.441 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

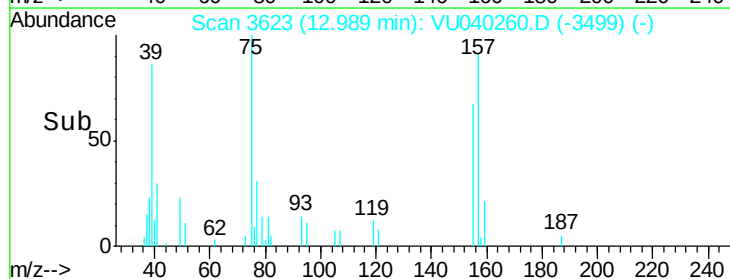
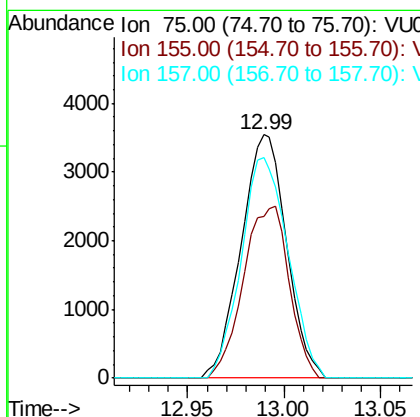
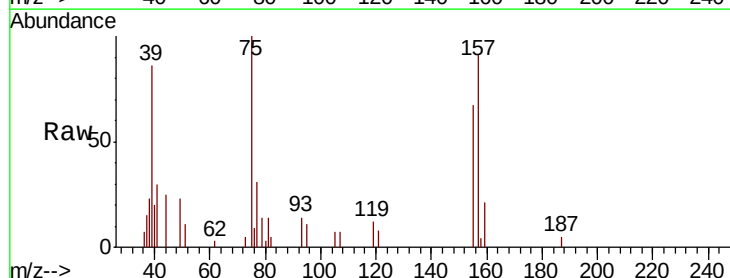
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

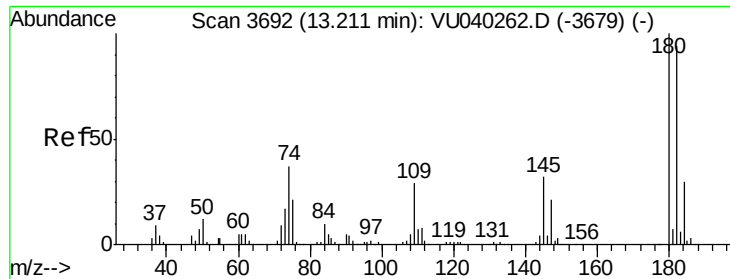
Tot Ion:146 Resp: 31461
 Ion Ratio Lower Upper
 146 100
 111 46.7 34.5 51.7
 148 66.5 50.5 75.7



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.765 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion: 75 Resp: 5788
 Ion Ratio Lower Upper
 75 100
 155 66.5 58.8 88.2
 157 90.6 75.1 112.7

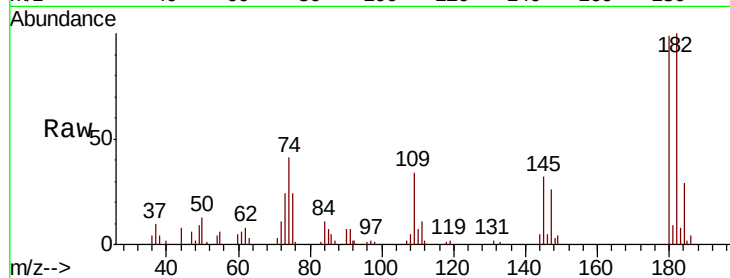




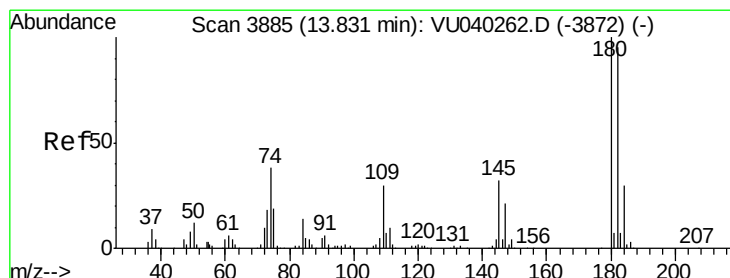
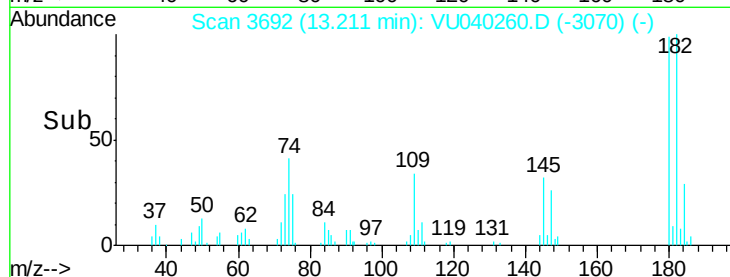
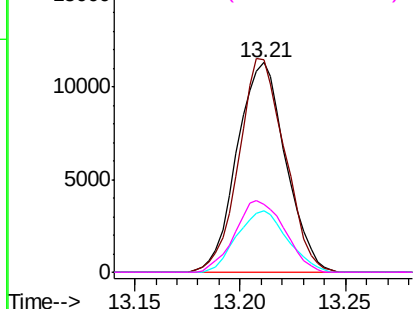
#69
 1,3,5-Trichlorobenzene
 Concen: 4.571 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005201

Tot Ion:180 Resp: 18094
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.4 113.0
 184 30.4 23.7 35.5
 145 34.8 25.3 37.9

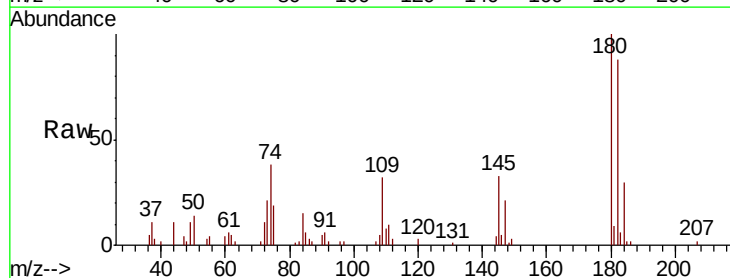


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

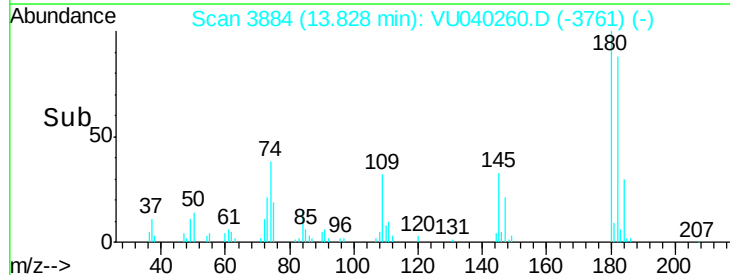
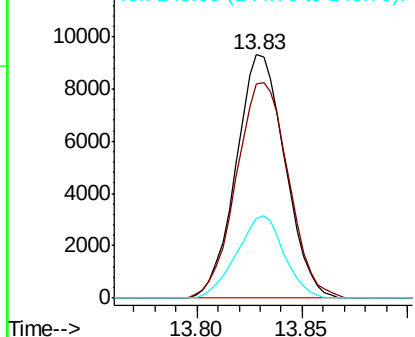


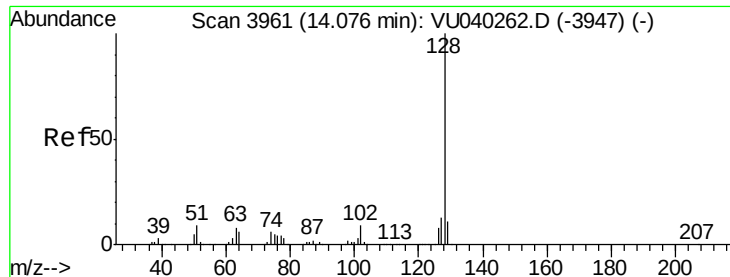
#70
 1,2,4-trichlorobenzene
 Concen: 4.517 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040260.D
 Acq: 24 Sep 2020 09:34

Tgt Ion:180 Resp: 15025
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.3 114.5
 145 32.8 26.0 39.0



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

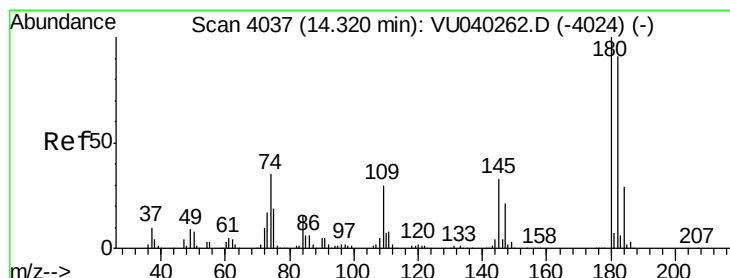
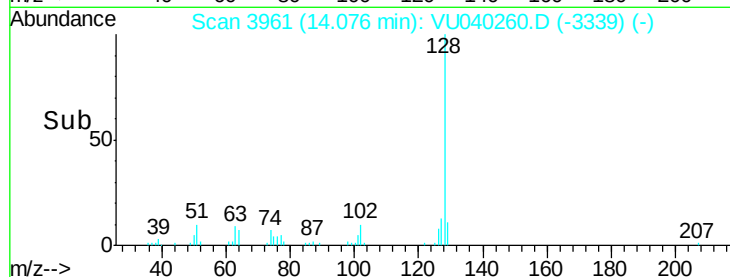
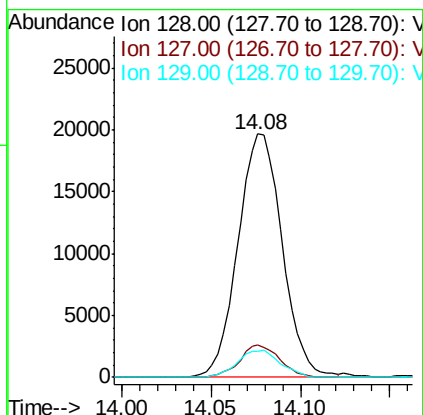
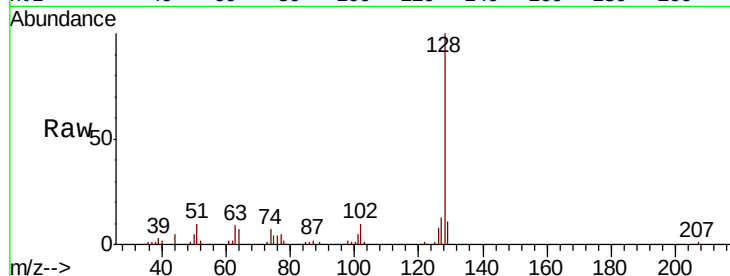




#71
Naphthalene
Concen: 2.946 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD005201

Tot Ion:128 Resp: 33994
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 10.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 4.399 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040260.D
Acq: 24 Sep 2020 09:34

Tgt Ion:180 Resp: 14769
Ion Ratio Lower Upper
180 100
182 93.4 74.2 111.4
145 31.0 27.8 41.6

