

Data File : VU039311.D
Acq On : 07 Jul 2020 13:03
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Quant Time: Jul 07 14:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 14:10:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	144233	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133264	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66141	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	3697	0.33	ug/L	0.00
7) Chloroethane-d5	1.93	69	3929	0.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	7678	0.37	ug/L	0.00
20) 2-Butanone-d5	4.66	46	16294	3.90	ug/L	0.00
24) Chloroform-d	5.08	84	7556	0.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5216	0.40	ug/L	0.00
32) Benzene-d6	5.75	84	13785	0.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5103	0.37	ug/L	0.00
41) Toluene-d8	7.91	98	12156	0.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	2200	0.35	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	12507	3.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	4923	0.38	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	4912	0.33	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	4189	0.511	ug/L	99
3) Chloromethane	1.53	50	5650	0.541	ug/L	99
5) Vinyl chloride	1.61	62	6181	0.575	ug/L	97
6) Bromomethane	1.87	94	2386	0.362	ug/L	81
8) Chloroethane	1.94	64	8416	1.144	ug/L #	81
9) Trichlorofluoromethane	2.15	101	8690	0.462	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4205	0.513	ug/L	93
12) 1,1-Dichloroethene	2.59	96	4368	0.535	ug/L	87
13) Acetone	2.67	43	10866	5.493	ug/L	92
14) Carbon disulfide	2.81	76	15950	0.612	ug/L	99
15) Methyl Acetate	2.97	43	2842	0.574	ug/L #	76
16) Methylene chloride	3.06	84	6249	0.601	ug/L	89
17) Methyl tert-butyl Ether	3.39	73	13677	0.509	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	4927	0.555	ug/L	87
19) 1,1-Dichloroethane	3.90	63	9532	0.536	ug/L	97
21) 2-Butanone	4.74	43	18583	5.161	ug/L #	65
22) cis-1,2-Dichloroethene	4.69	96	5548	0.548	ug/L	92
23) Bromochloromethane	5.00	128	2359	0.517	ug/L	95
25) Chloroform	5.11	83	9164	0.494	ug/L	81
27) 1,2-Dichloroethane	5.81	62	6472	0.485	ug/L #	93
29) 1,1,1-Trichloroethane	5.34	97	7927	0.518	ug/L	96
30) Cyclohexane	5.41	56	8715	0.568	ug/L	93
31) Carbon tetrachloride	5.54	117	6906	0.537	ug/L	93
33) Benzene	5.79	78	20720	0.552	ug/L	100
34) Trichloroethene	6.56	95	5367	0.554	ug/L	93
35) Methylcyclohexane	6.78	83	8583	0.554	ug/L	95
37) 1,2-Dichloropropane	6.81	63	5388	0.514	ug/L #	91
38) Bromodichloromethane	7.12	83	7073	0.518	ug/L #	96
39) cis-1,3-Dichloropropene	7.62	75	8198	0.503	ug/L	95
40) 4-Methyl-2-pentanone	7.81	43	47447	5.350	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	21902	0.536	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	7014	0.478	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	3954	0.507	ug/L	93
47) Tetrachloroethene	8.56	164	3706	0.545	ug/L	93
48) 2-Hexanone	8.70	43	32711	4.960	ug/L	98
49) Dibromochloromethane	8.82	129	4584	0.468	ug/L	97
50) 1,2-Dibromoethane	8.93	107	3790	0.484	ug/L #	96
51) Chlorobenzene	9.45	112	13789	0.545	ug/L	99
52) Ethylbenzene	9.57	91	23883	0.525	ug/L	98
53) m,p-Xylene	9.70	106	9006	0.525	ug/L	93
54) o-Xylene	10.10	106	8311	0.488	ug/L	99
55) Styrene	10.11	104	14689	0.494	ug/L	98
56) Isopropylbenzene	10.48	105	23438	0.509	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	5312	0.482	ug/L	92
59) 1,2,3-Trichloropropane	10.83	75	4049	0.514	ug/L	98
61) Bromoform	10.29	173	2510	0.426	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	10550	0.508	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	10762	0.527	ug/L	93
65) 1,2-Dichlorobenzene	12.21	146	10928	0.537	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.99	75	787	0.388	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	8240	0.540	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	6654	0.504	ug/L	97
69) Naphthalene	14.08	128	13652	0.539	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	6148	0.511	ug/L	95

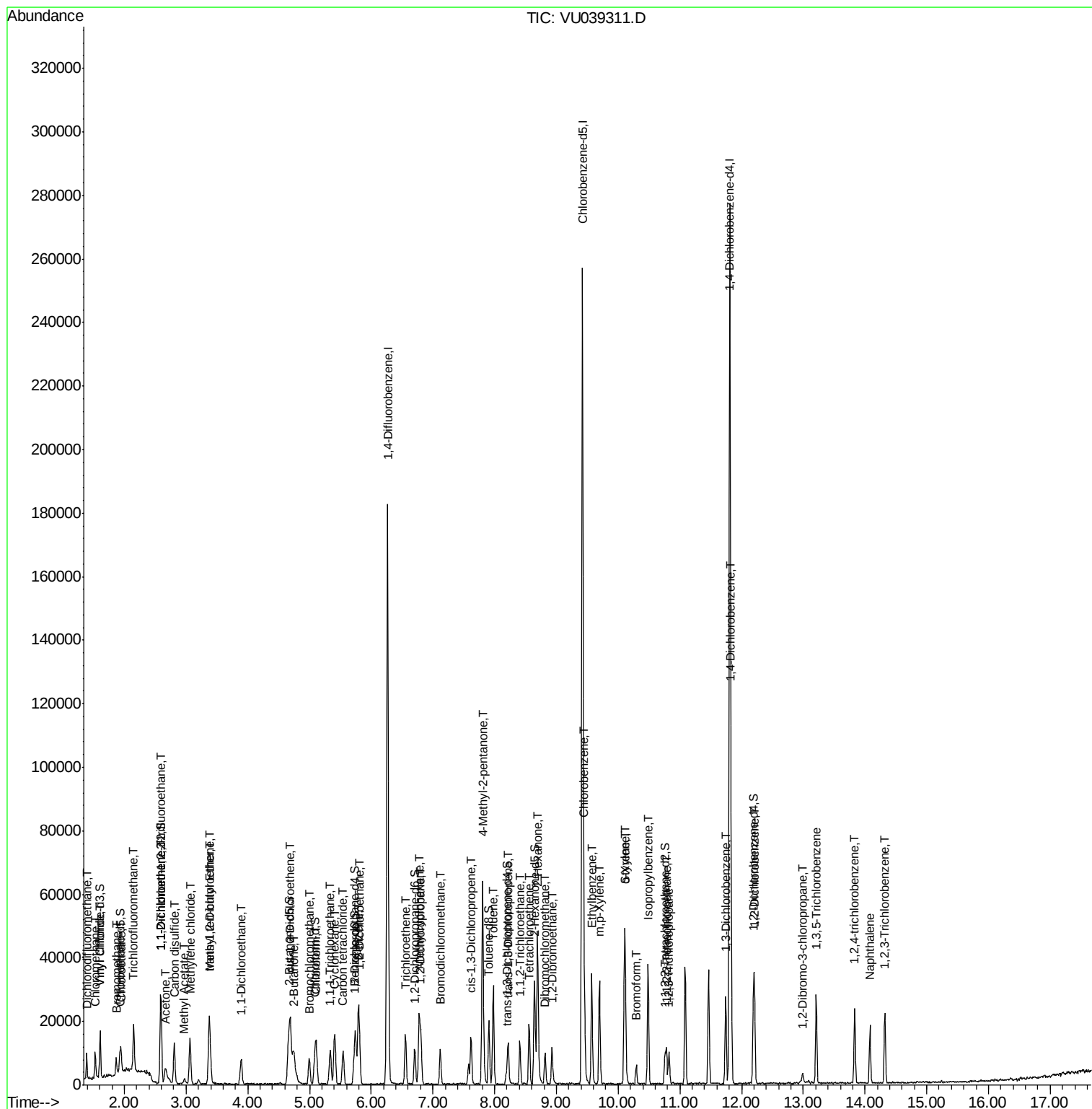
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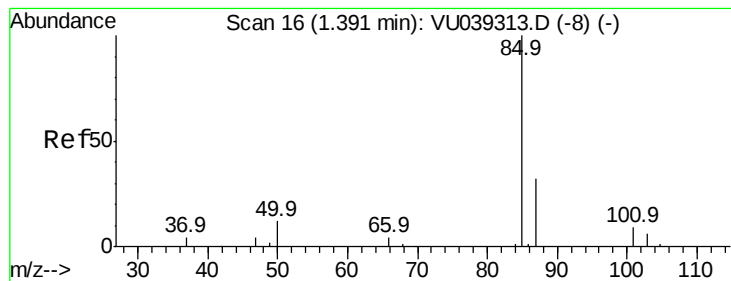
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#2

Dichlorodifluoromethane

Concen: 0.511 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

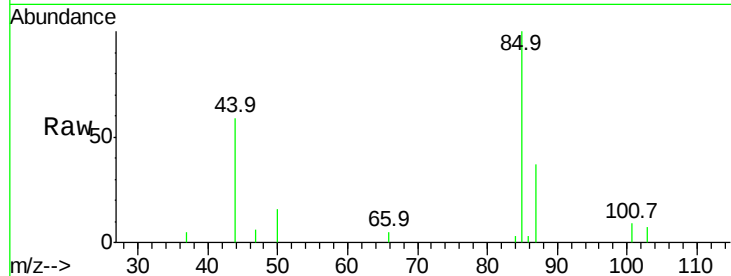
VSTD0.505

Tgt Ion: 85 Resp: 4189

Ion Ratio Lower Upper

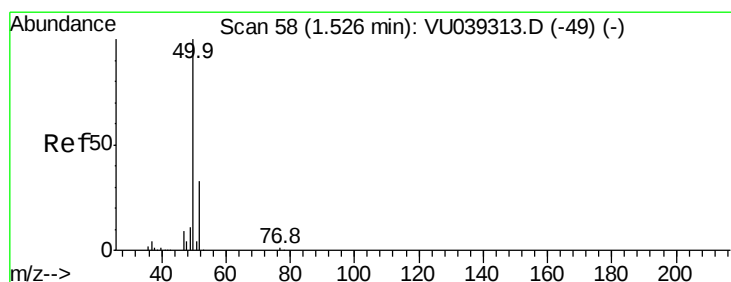
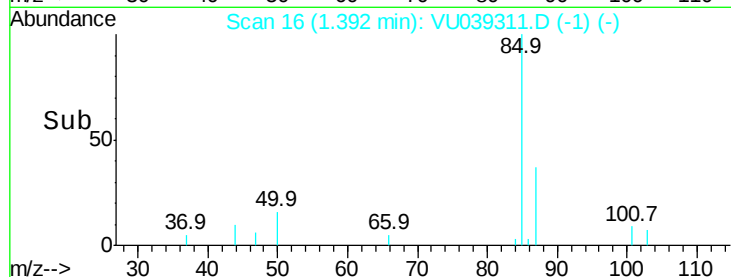
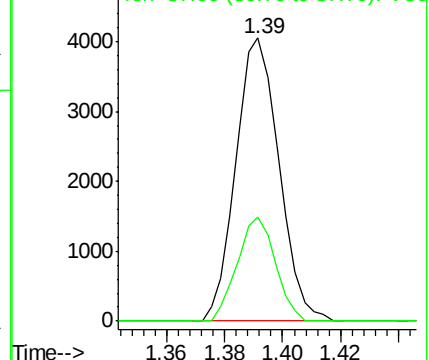
85 100

87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.541 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039311.D

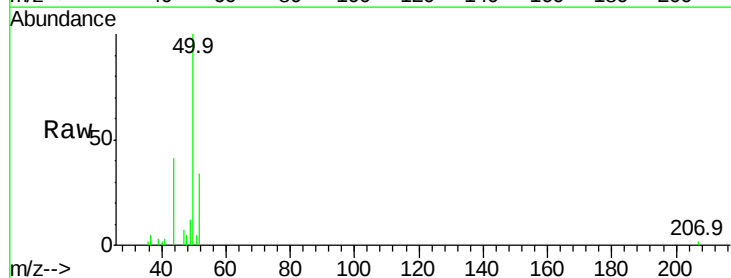
Acq: 07 Jul 2020 13:03

Tgt Ion: 50 Resp: 5650

Ion Ratio Lower Upper

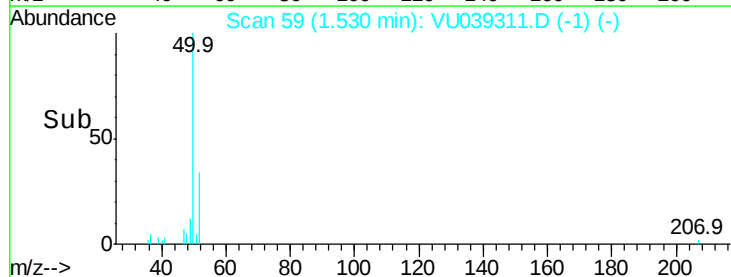
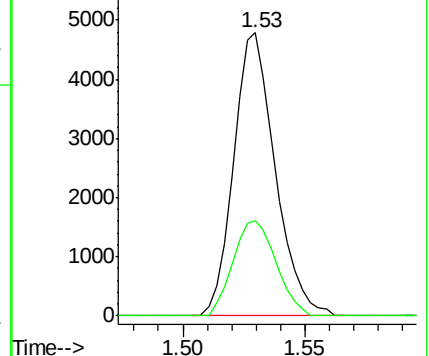
50 100

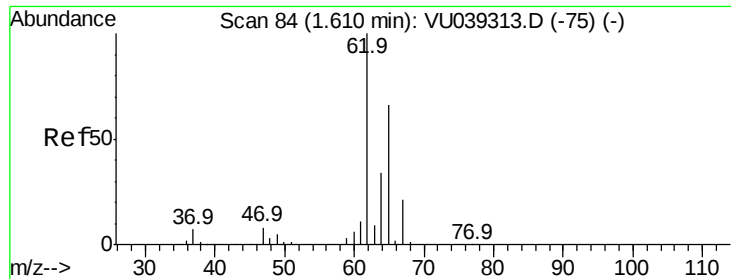
52 33.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.575 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

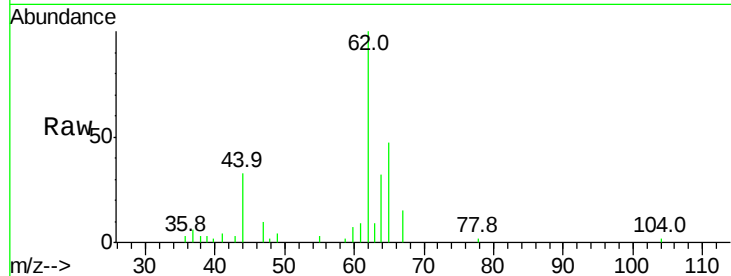
VSTD0.505

Tgt Ion: 62 Resp: 6181

Ion Ratio Lower Upper

62 100

64 32.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

6000

5000

4000

3000

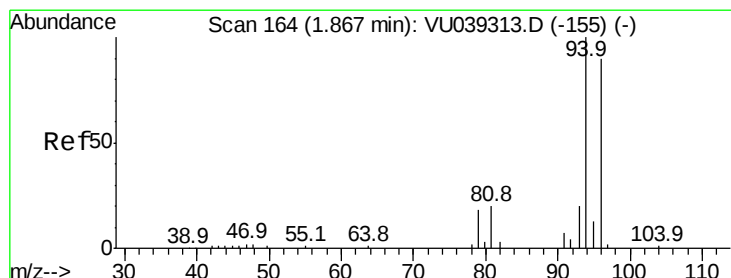
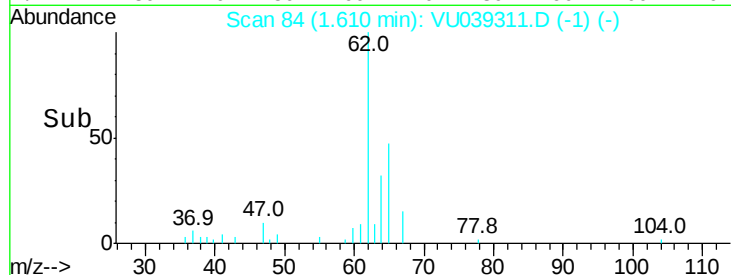
2000

1000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 0.362 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039311.D

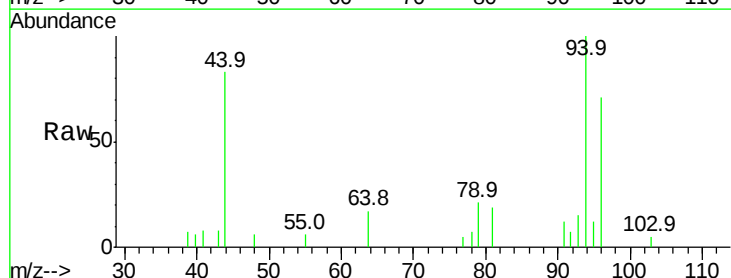
Acq: 07 Jul 2020 13:03

Tgt Ion: 94 Resp: 2386

Ion Ratio Lower Upper

94 100

96 71.3 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

2000

1500

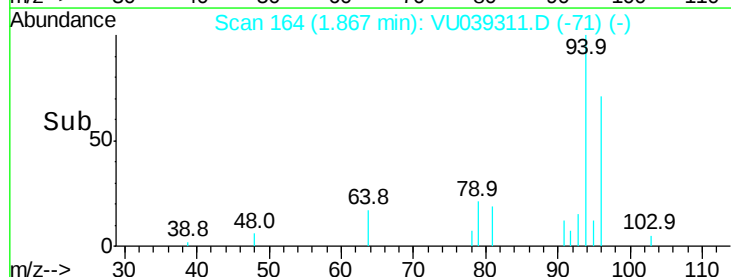
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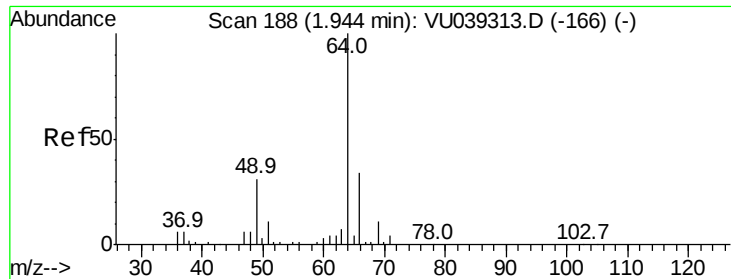
500

0

1.82 1.84 1.86 1.88 1.90

Time-->





#8

Chloroethane

Concen: 1.144 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

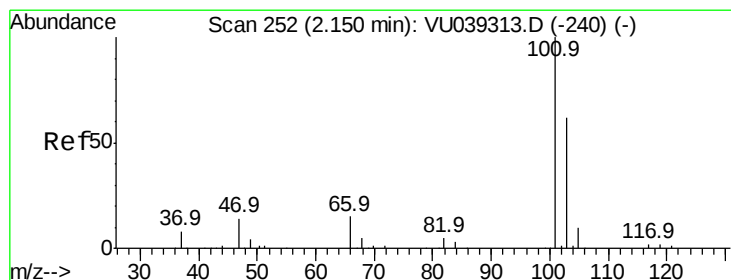
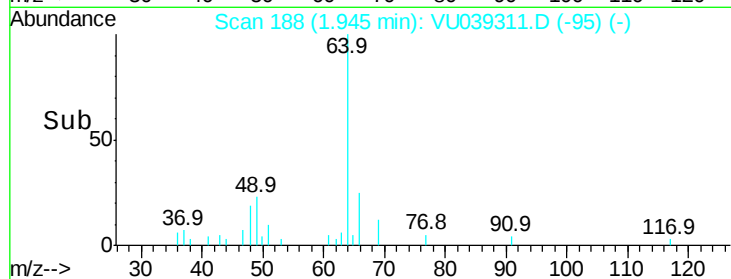
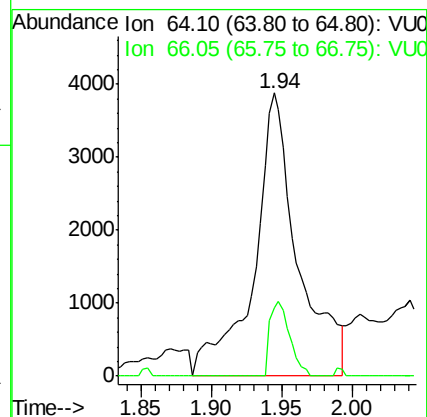
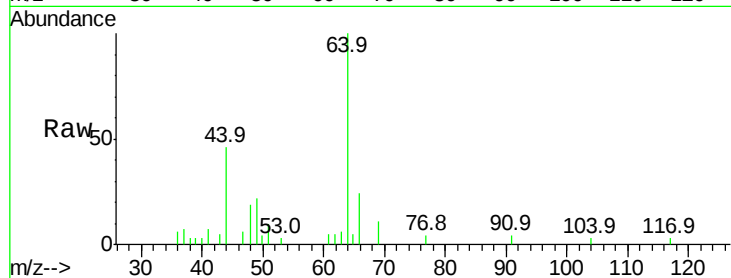
VSTD0.505

Tgt Ion: 64 Resp: 8416

Ion Ratio Lower Upper

64 100

66 23.1 23.5 43.7#



#9

Trichlorofluoromethane

Concen: 0.462 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039311.D

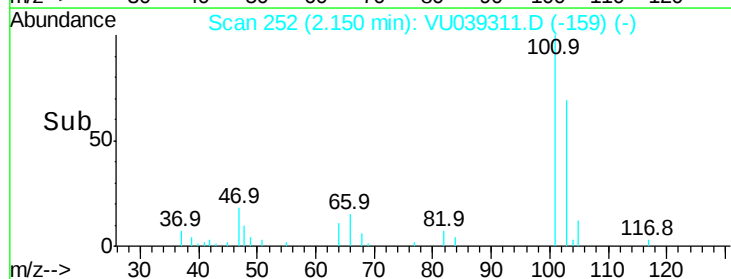
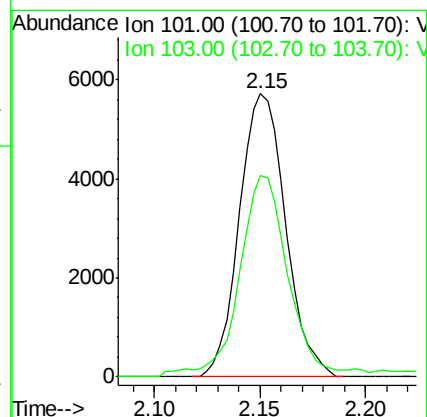
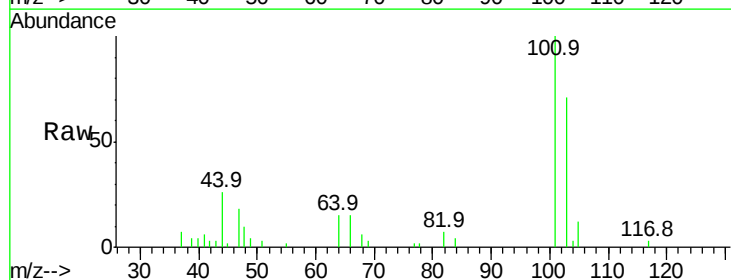
Acq: 07 Jul 2020 13:03

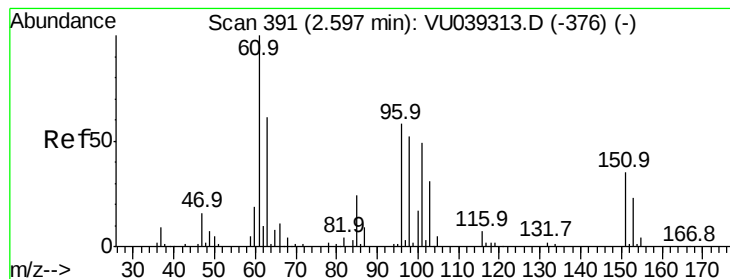
Tgt Ion: 101 Resp: 8690

Ion Ratio Lower Upper

101 100

103 74.5 50.6 76.0





#10

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

Concen: 0.513 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

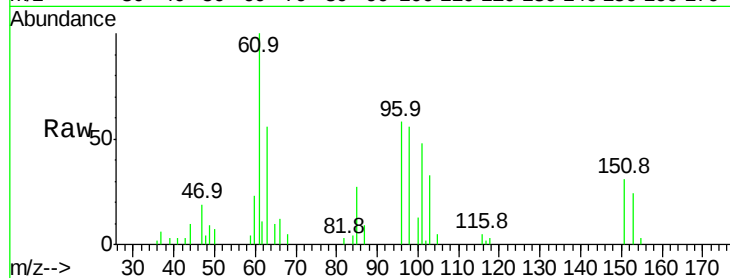
Tgt Ion:101 Resp: 4205

Ion Ratio Lower Upper

101 100

85 49.3 38.9 58.3

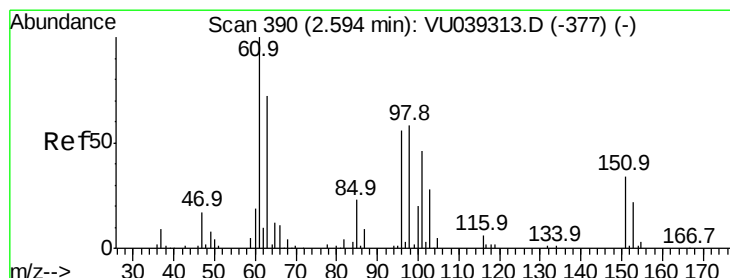
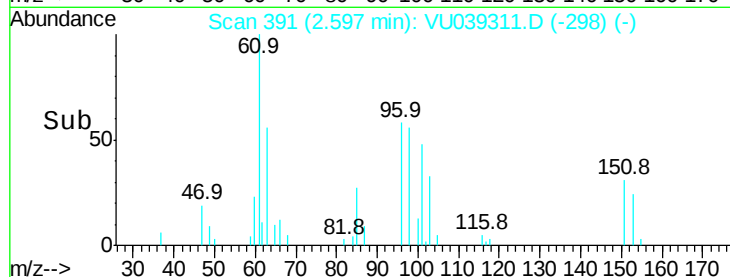
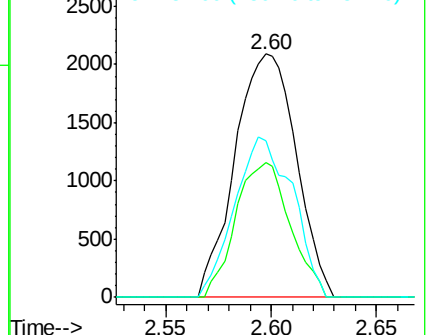
151 62.5 57.0 85.4



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: 0.535 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

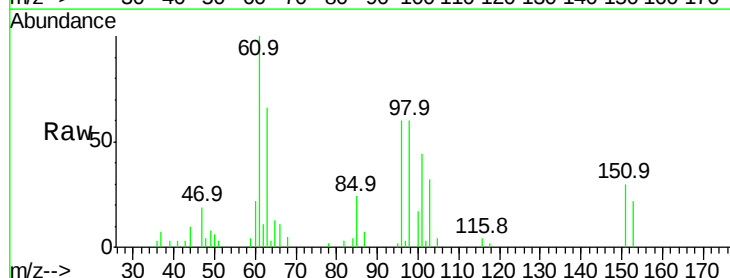
Tgt Ion: 96 Resp: 4368

Ion Ratio Lower Upper

96 100

61 167.2 125.4 232.8

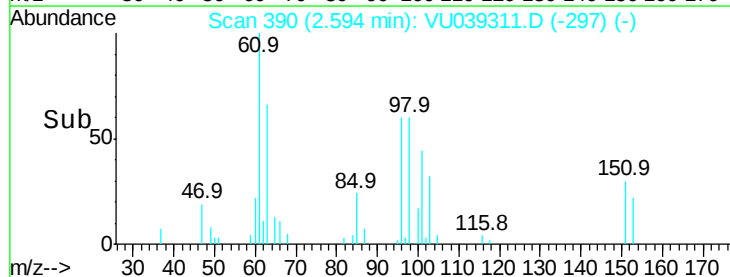
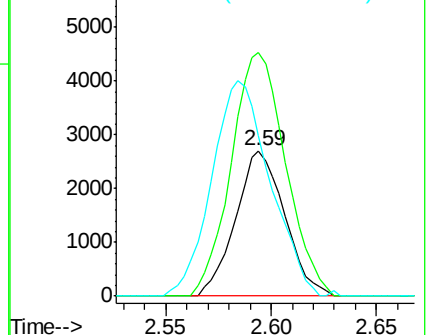
63 109.8 92.7 172.3

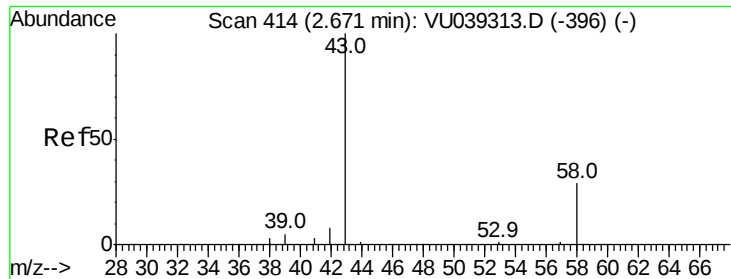


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.493 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

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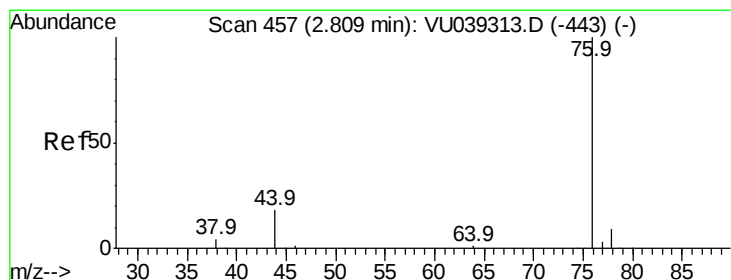
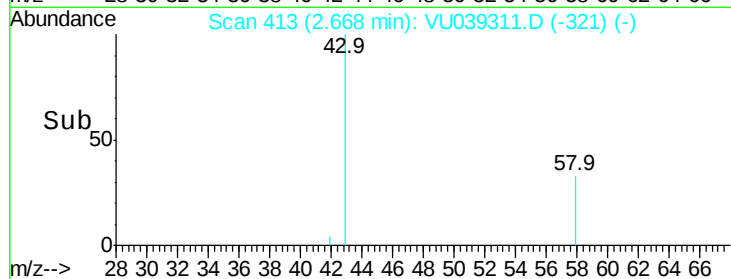
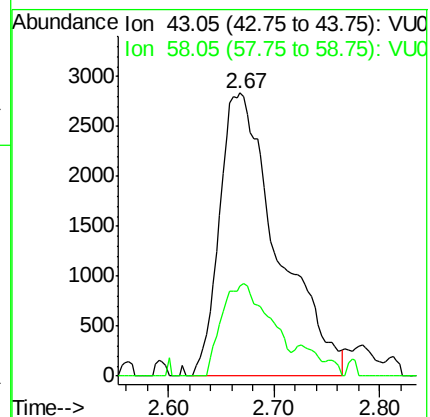
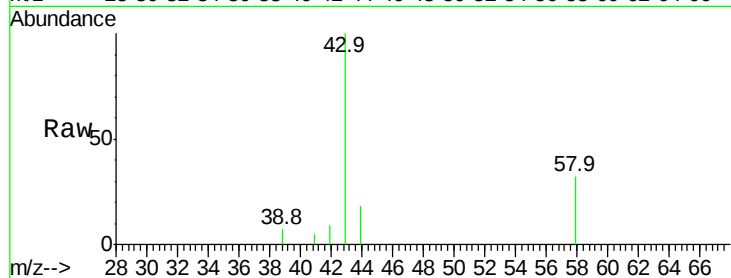
VSTD0.505

Tgt Ion: 43 Resp: 10866

Ion Ratio Lower Upper

43 100

58 27.1 0.0 62.8



#14

Carbon disulfide

Concen: 0.612 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039311.D

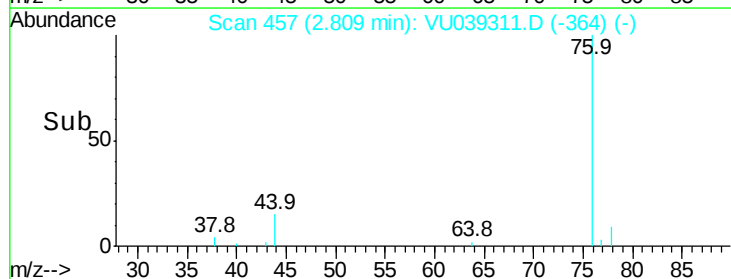
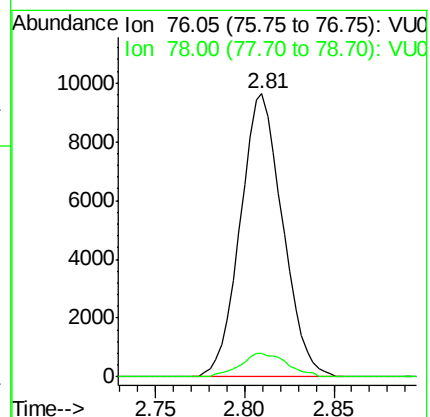
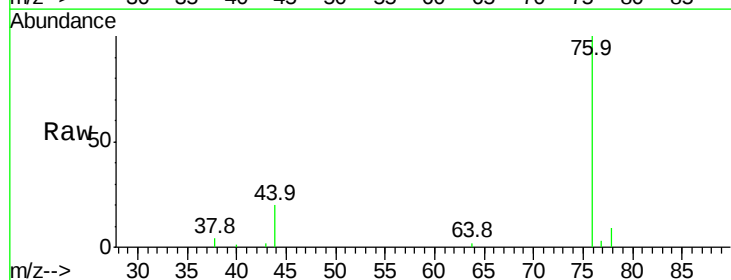
Acq: 07 Jul 2020 13:03

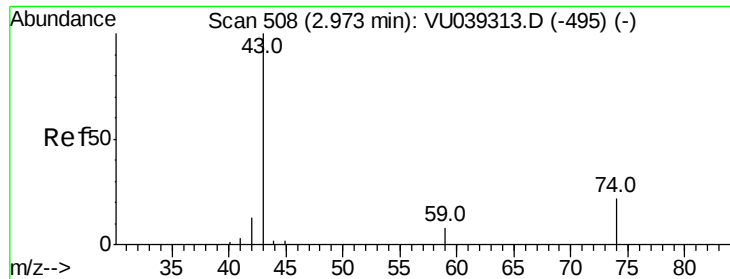
Tgt Ion: 76 Resp: 15950

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4





#15

Methyl Acetate

Concen: 0.574 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

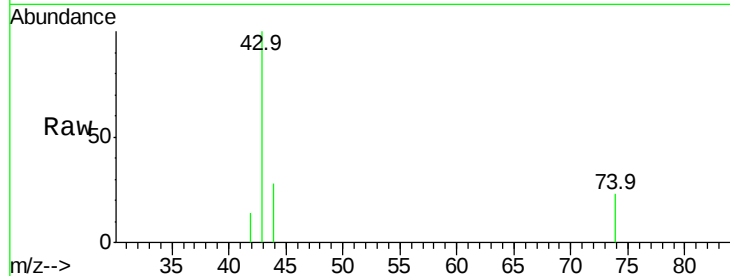
VSTD0.505

Tgt Ion: 43 Resp: 2842

Ion Ratio Lower Upper

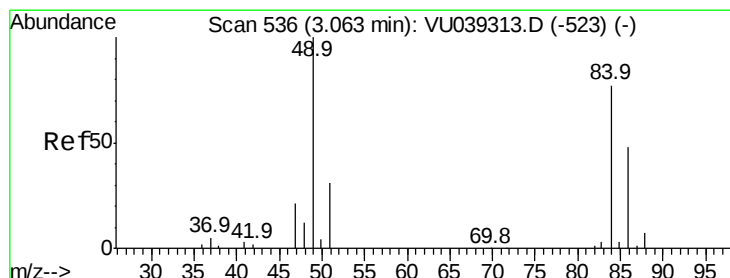
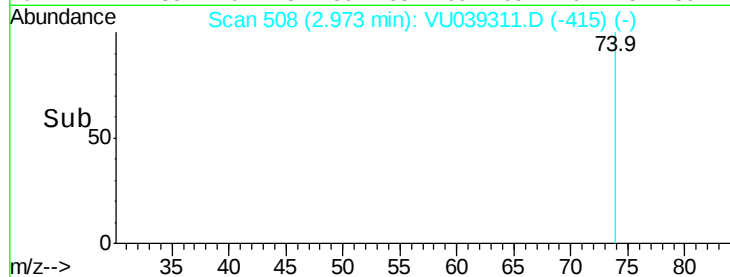
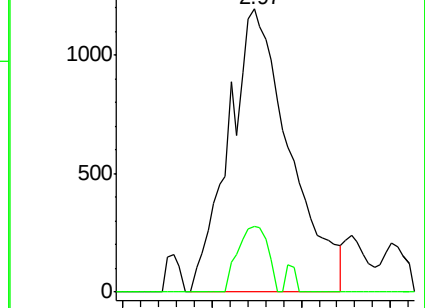
43 100

74 11.5 18.7 28.1#



Abundance Ion 43.05 (42.75 to 43.75): VU039311.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU039311.D (-495) (-)



#16

Methylene chloride

Concen: 0.601 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

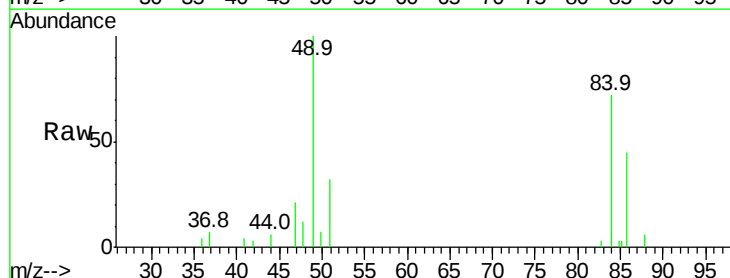
Tgt Ion: 84 Resp: 6249

Ion Ratio Lower Upper

84 100

86 63.0 43.5 80.9

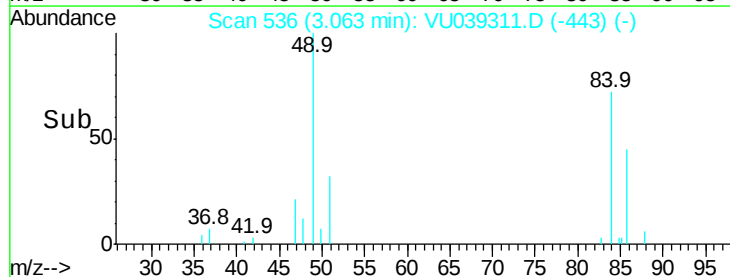
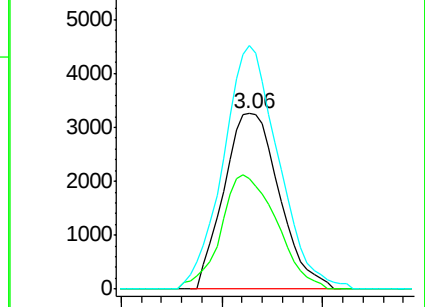
49 147.9 91.1 169.1

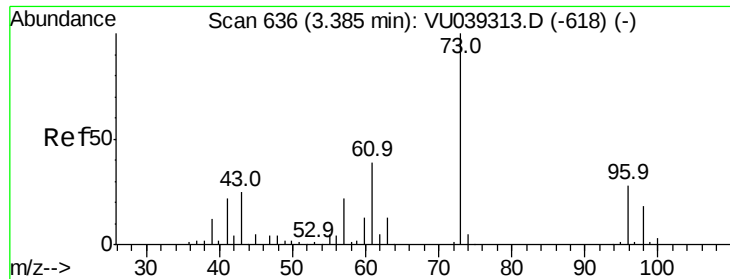


Abundance Ion 84.05 (83.75 to 84.75): VU039311.D (-523) (-)

Ion 86.00 (85.70 to 86.70): VU039311.D (-523) (-)

Ion 49.10 (48.80 to 49.80): VU039311.D (-523) (-)

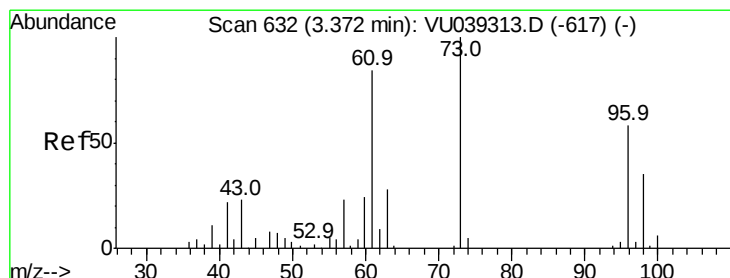
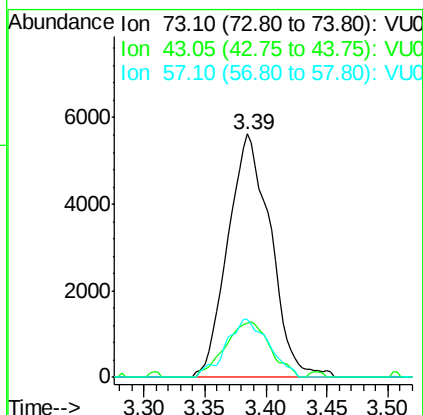
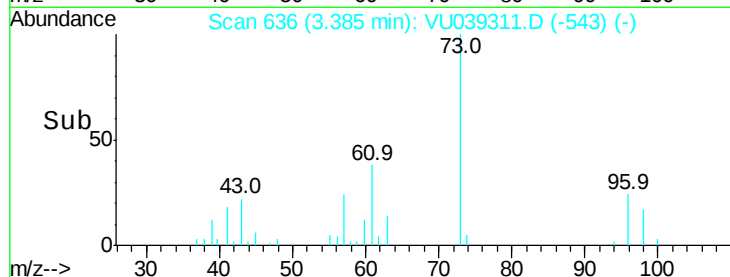
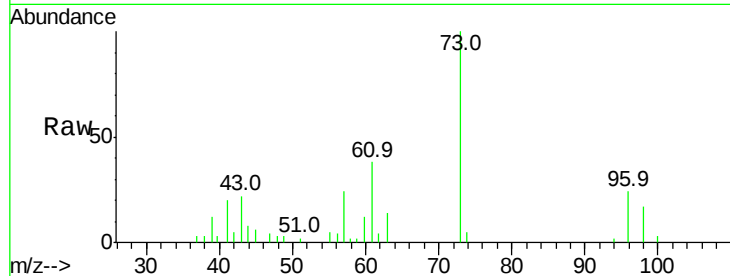




#17
Methyl tert-butyl Ether
Concen: 0.509 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

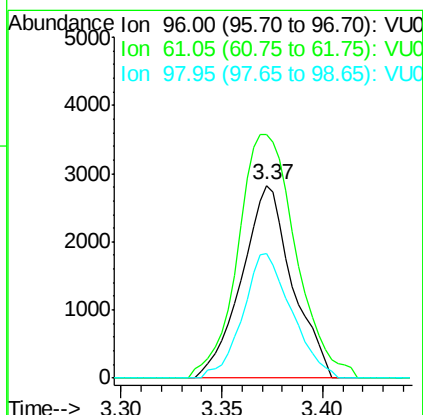
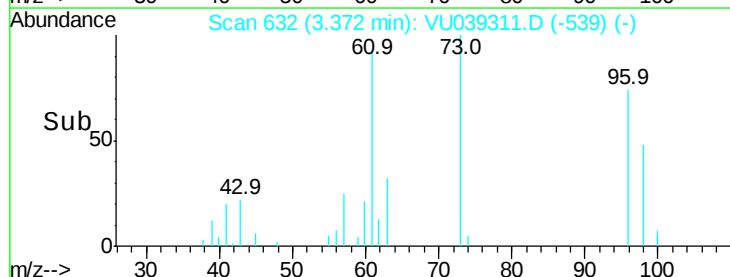
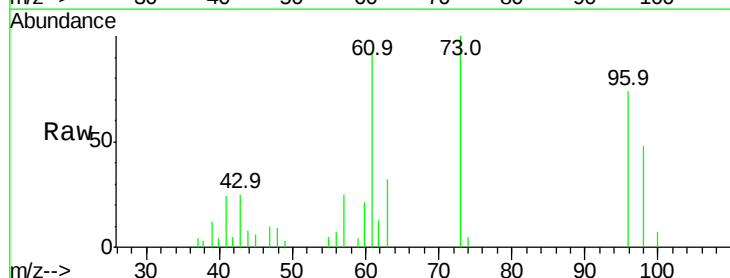
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

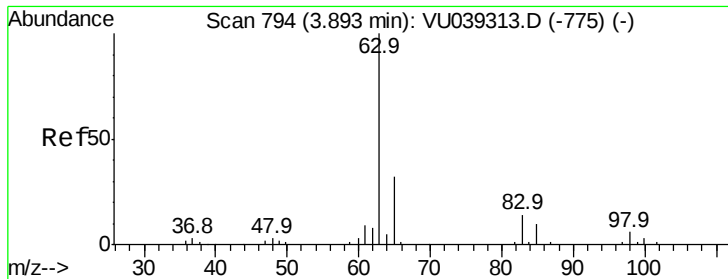
Tgt Ion: 73 Resp: 13677
Ion Ratio Lower Upper
73 100
43 23.9 18.6 28.0
57 23.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.555 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

Tgt Ion: 96 Resp: 4927
Ion Ratio Lower Upper
96 100
61 126.3 102.1 189.5
98 64.6 42.5 78.9

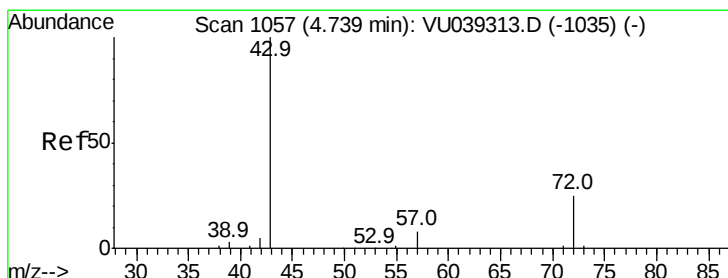
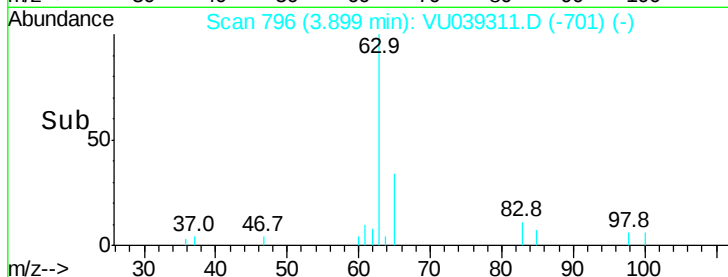
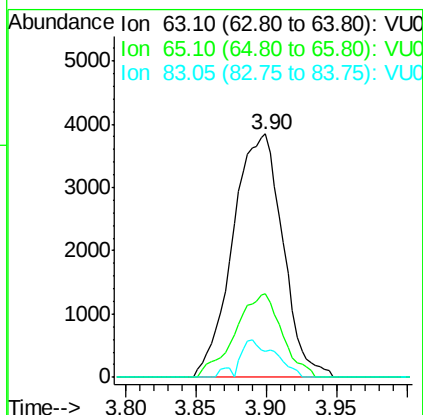
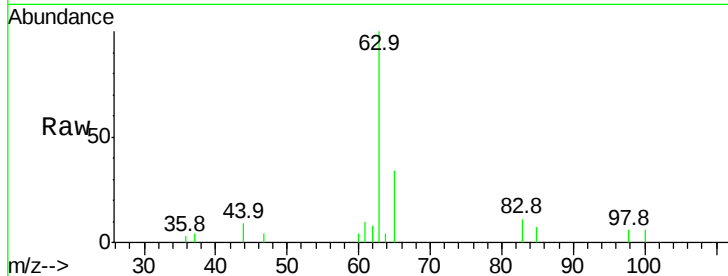




#19
 1,1-Dichloroethane
 Concen: 0.536 ug/L
 RT: 3.90 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

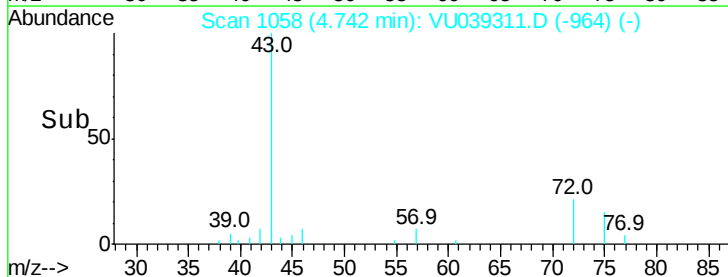
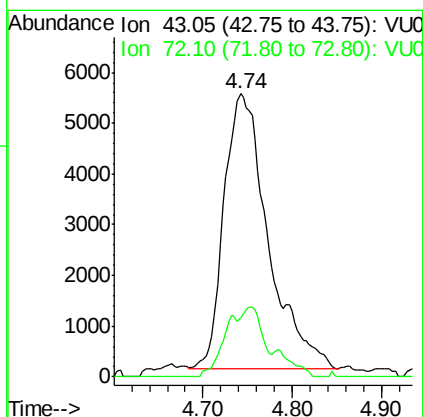
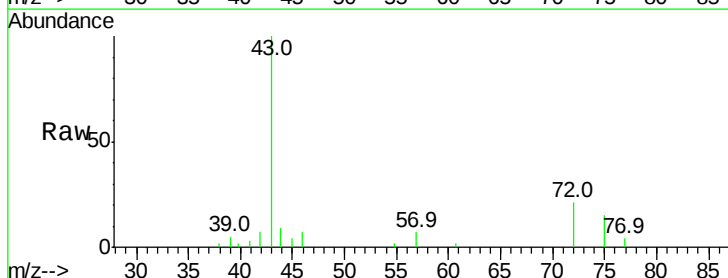
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

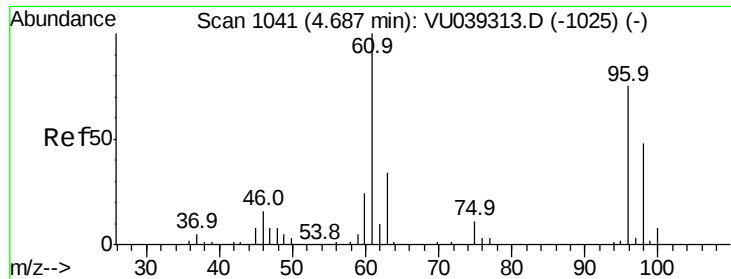
Tgt Ion: 63 Resp: 9532
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.0 42.6
 83 10.4 9.6 17.8



#21
 2-Butanone
 Concen: 5.161 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion: 43 Resp: 18583
 Ion Ratio Lower Upper
 43 100
 72 8.4 13.2 39.5#





#22

cis-1,2-Dichloroethene

Concen: 0.548 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

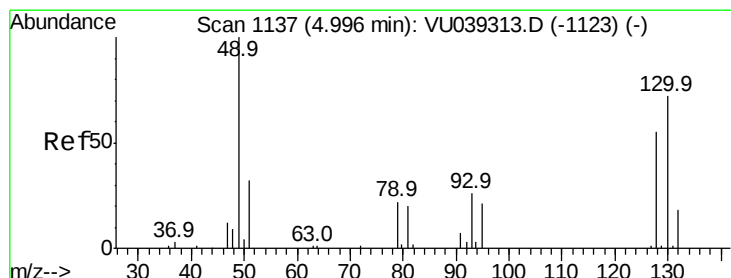
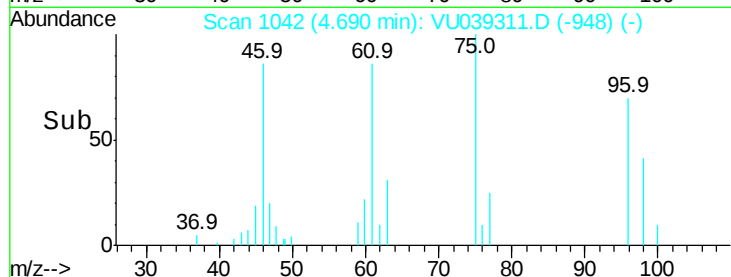
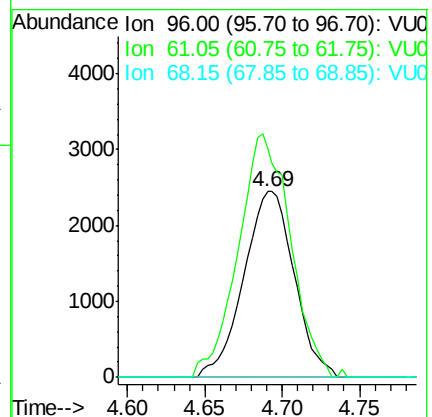
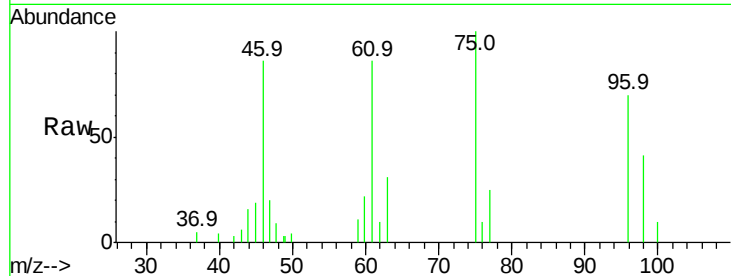
Tgt Ion: 96 Resp: 5548

Ion Ratio Lower Upper

96 100

61 122.6 92.8 172.4

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.517 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Tgt Ion: 128 Resp: 2359

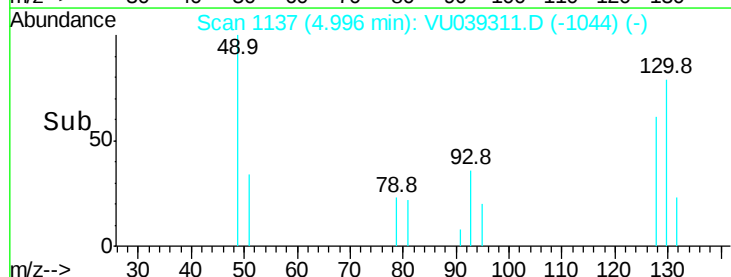
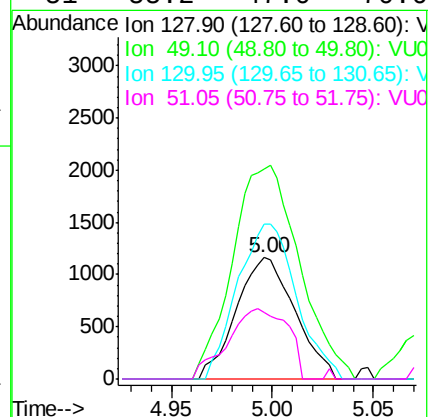
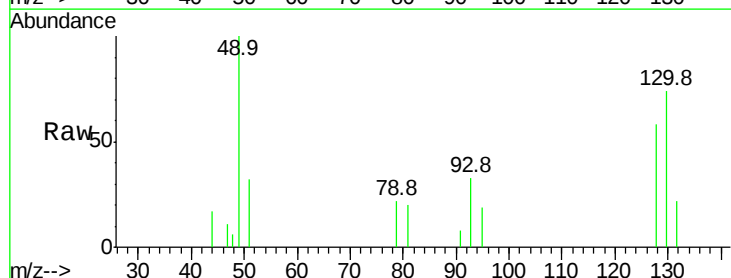
Ion Ratio Lower Upper

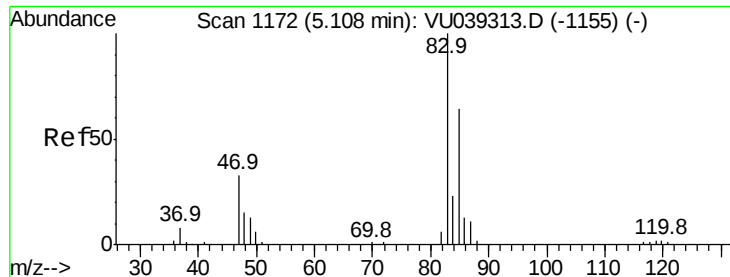
128 100

49 173.0 128.5 238.7

130 127.7 91.5 169.9

51 55.2 47.0 70.6





#25

Chloroform

Concen: 0.494 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

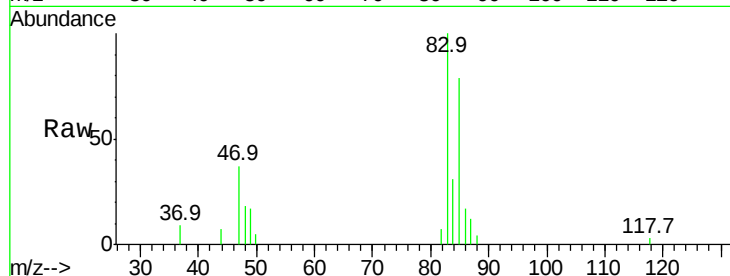
VSTD0.505

Tgt Ion: 83 Resp: 9164

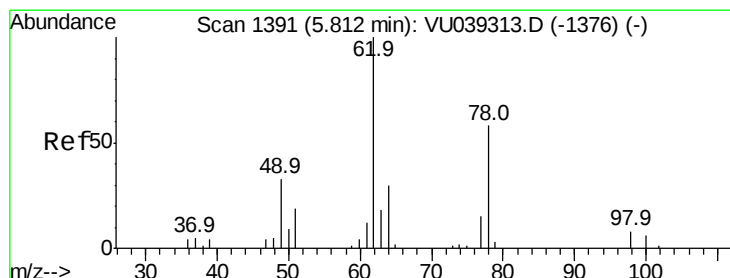
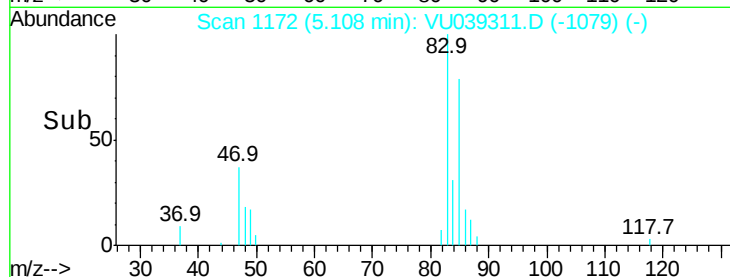
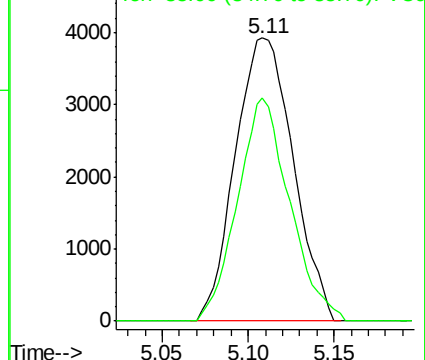
Ion Ratio Lower Upper

83 100

85 78.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039311.D (-1155) (-)



#27

1,2-Dichloroethane

Concen: 0.485 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039311.D

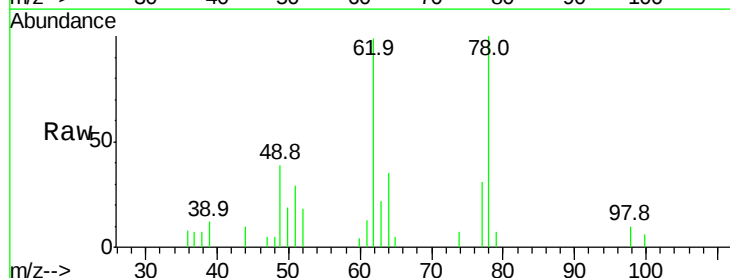
Acq: 07 Jul 2020 13:03

Tgt Ion: 62 Resp: 6472

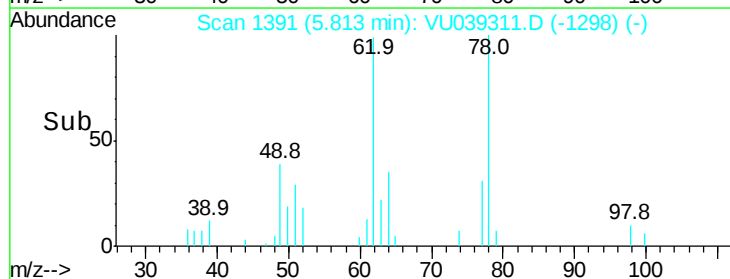
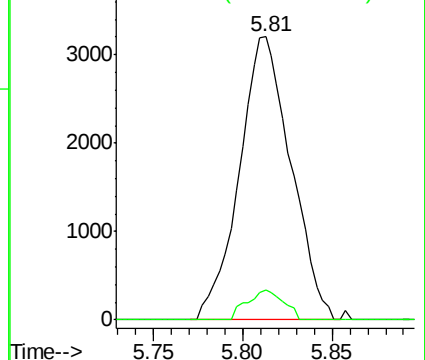
Ion Ratio Lower Upper

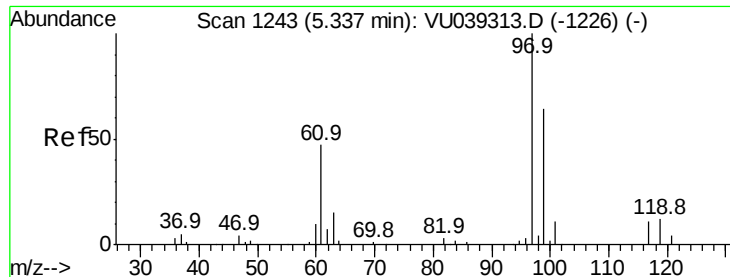
62 100

98 10.5 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VU039311.D (-1376) (-)

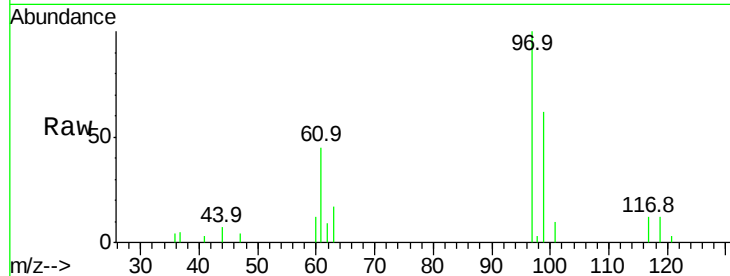




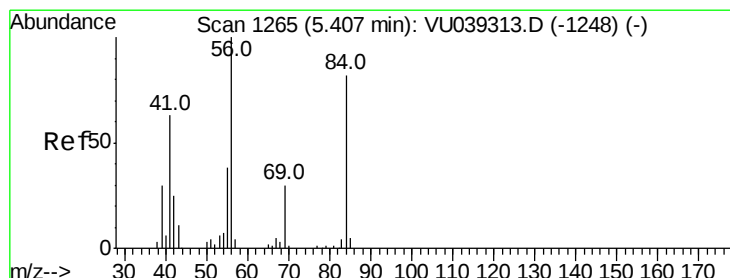
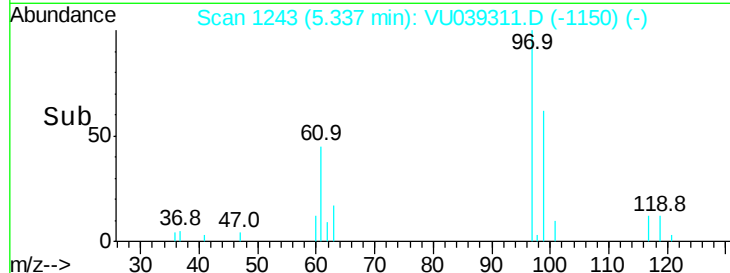
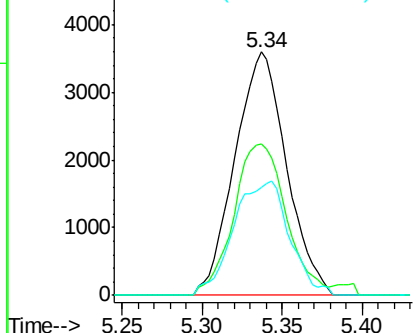
#29
 1,1,1-Trichloroethane
 Concen: 0.518 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion: 97 Resp: 7927
 Ion Ratio Lower Upper
 97 100
 99 63.5 52.6 79.0
 61 51.0 37.9 56.9

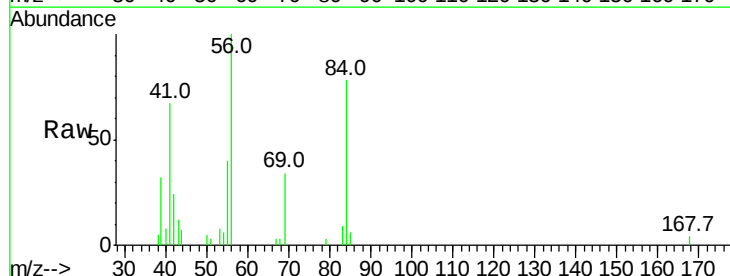


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

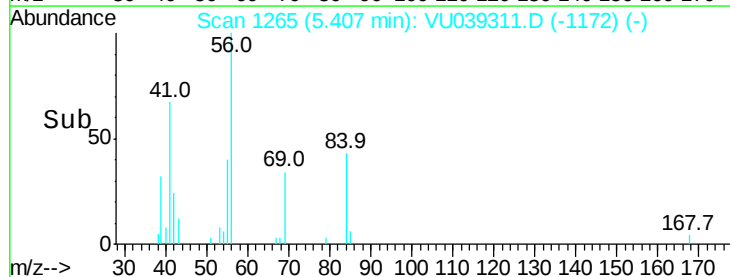
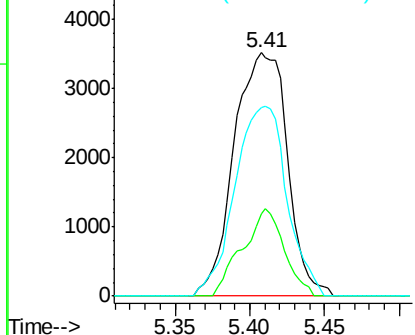


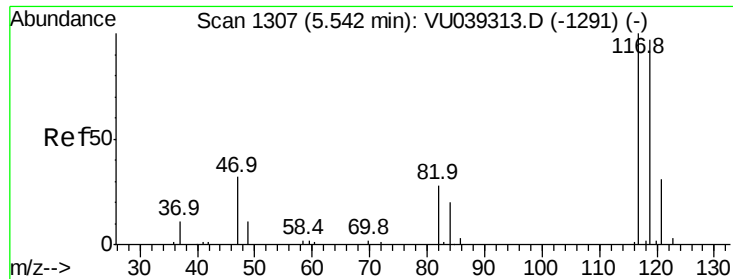
#30
 Cyclohexane
 Concen: 0.568 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion: 56 Resp: 8715
 Ion Ratio Lower Upper
 56 100
 69 28.1 24.1 36.1
 84 76.1 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.537 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

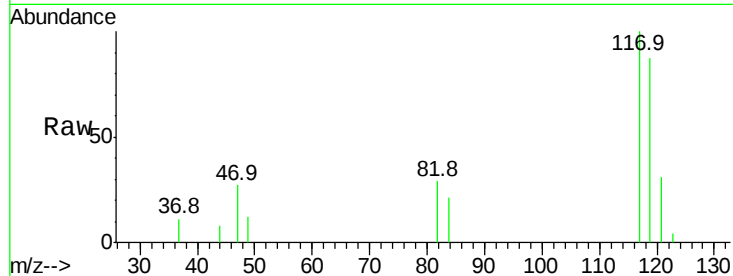
VSTD0.505

Tgt Ion:117 Resp: 6906

Ion Ratio Lower Upper

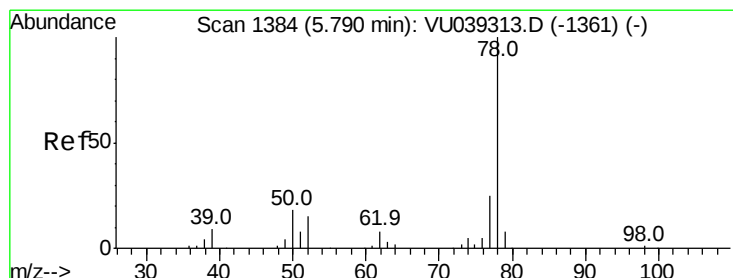
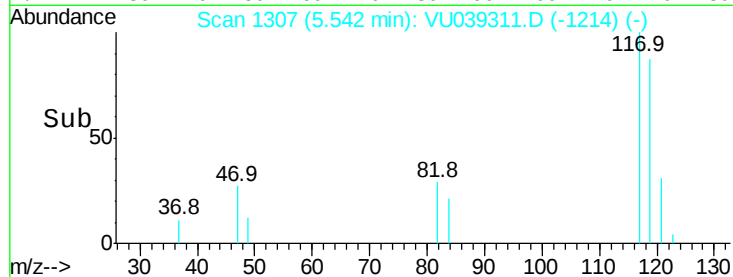
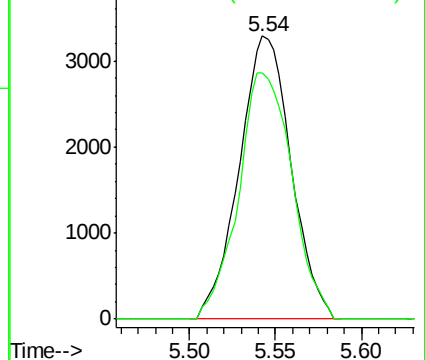
117 100

119 89.6 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.552 ug/L

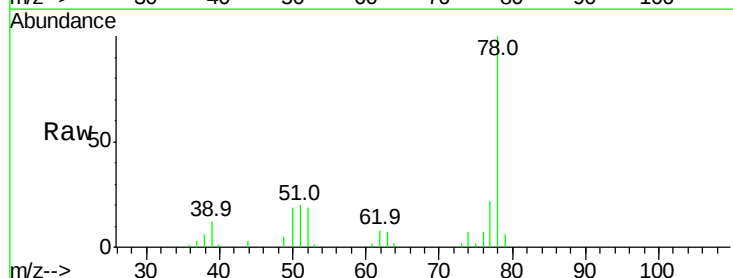
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

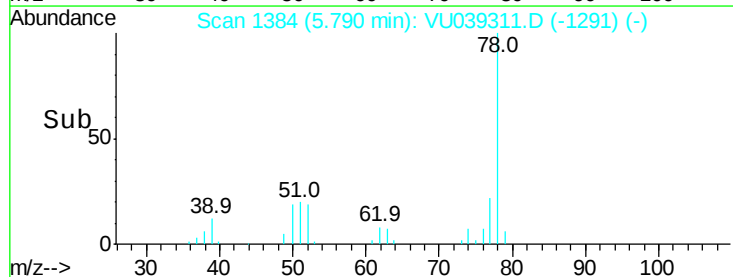
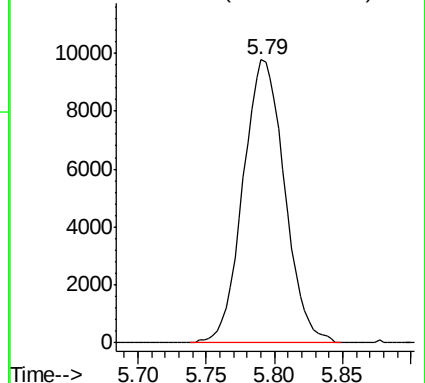
Lab File: VU039311.D

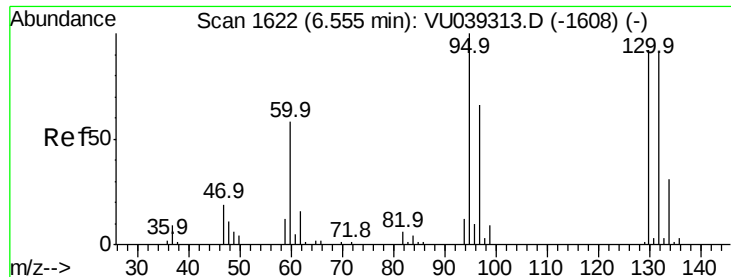
Acq: 07 Jul 2020 13:03

Tgt Ion: 78 Resp: 20720



Abundance Ion 78.10 (77.80 to 78.80): VU0



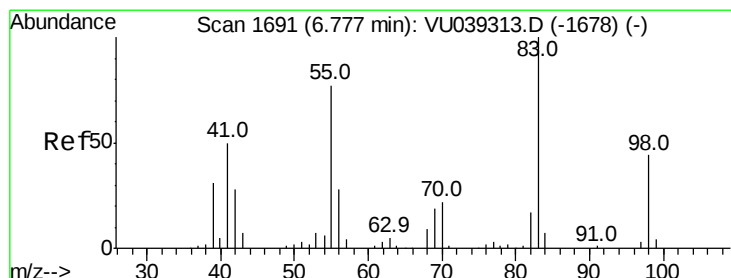
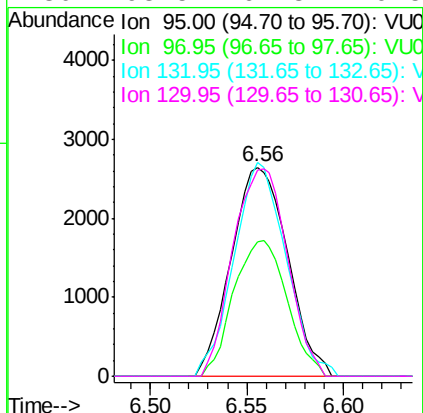
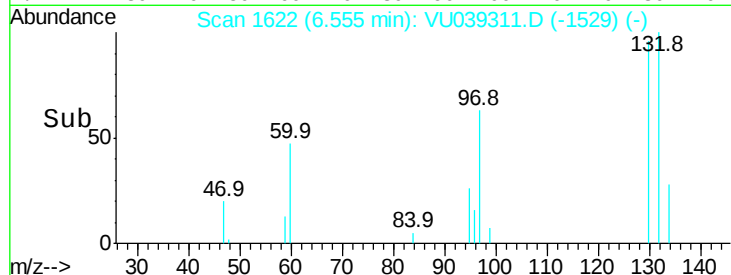
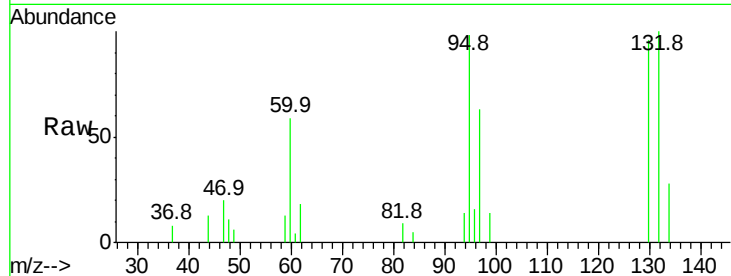


#34
 Trichloroethene
 Concen: 0.554 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion: 95 Resp: 5367

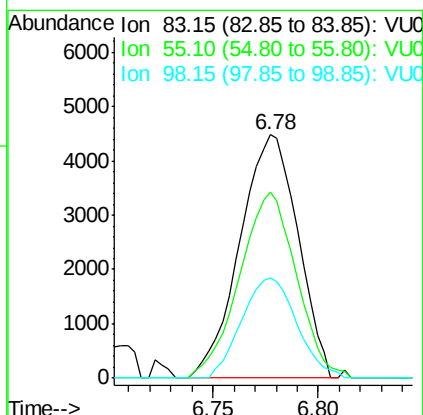
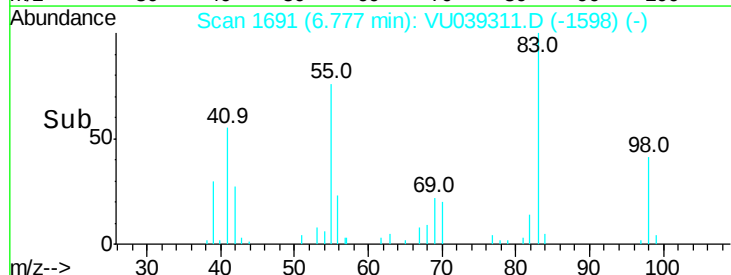
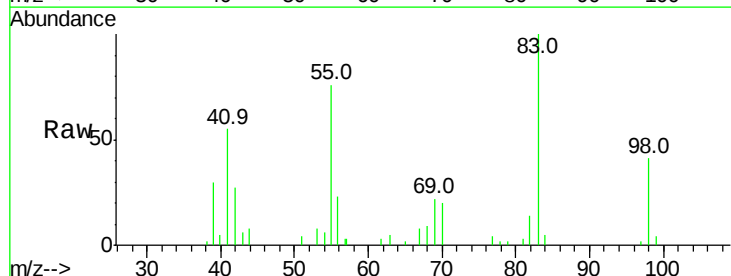
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.3	85.9
132	102.2	64.0	118.8
130	98.5	64.3	119.5

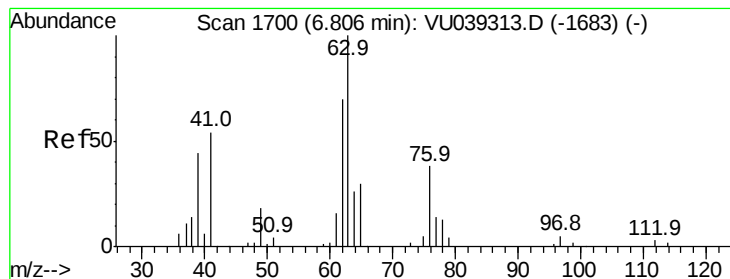


#35
 Methylcyclohexane
 Concen: 0.554 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion: 83 Resp: 8583

Ion	Ratio	Lower	Upper
83	100		
55	75.0	62.1	93.1
98	39.0	35.9	53.9





#37

1,2-Dichloropropane

Concen: 0.514 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

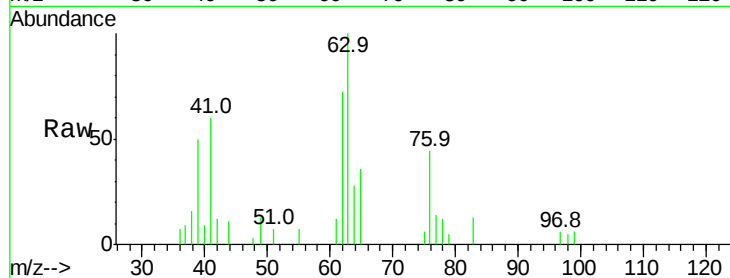
VSTD0.505

Tgt Ion: 63 Resp: 5388

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039311.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039311.D (-1683) (-)

6.81

3000

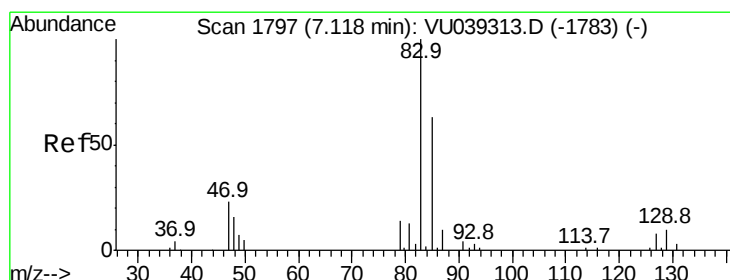
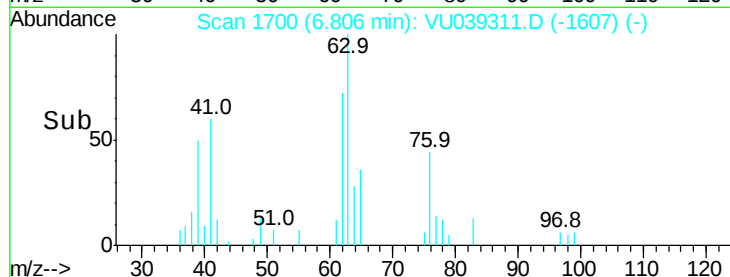
2000

1000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 0.518 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

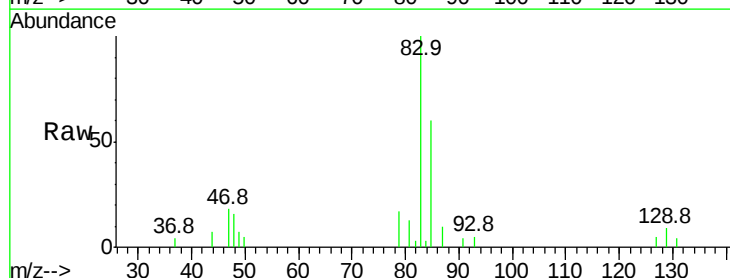
Tgt Ion: 83 Resp: 7073

Ion Ratio Lower Upper

83 100

85 59.8 44.0 81.6

127 5.5 6.2 9.4#



Abundance Ion 82.95 (82.65 to 83.65): VU039311.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039311.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039311.D (-1783) (-)

7.12

5000

4000

3000

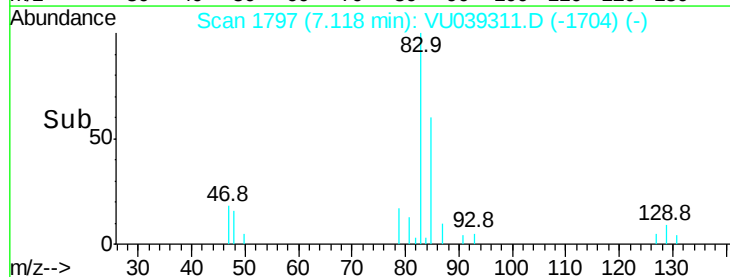
2000

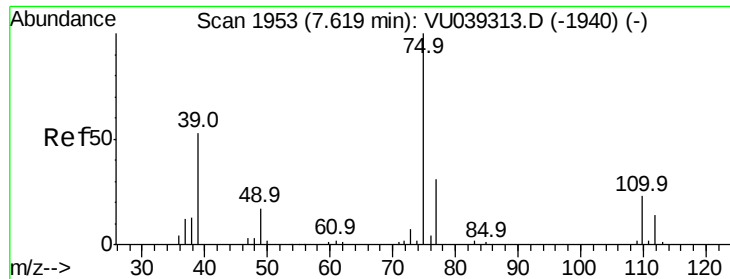
1000

0

7.05 7.10 7.15

Time-->

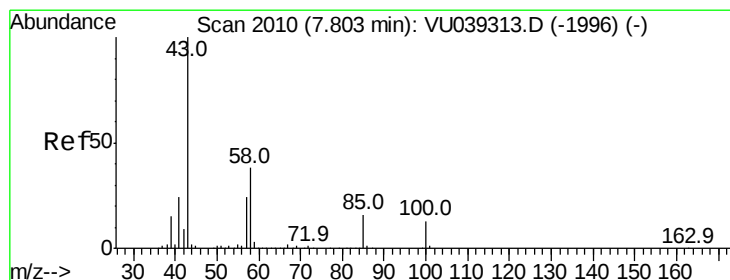
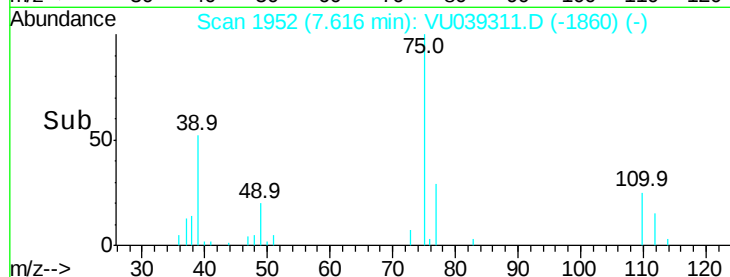
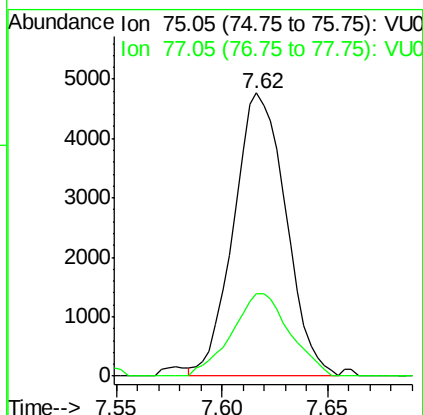
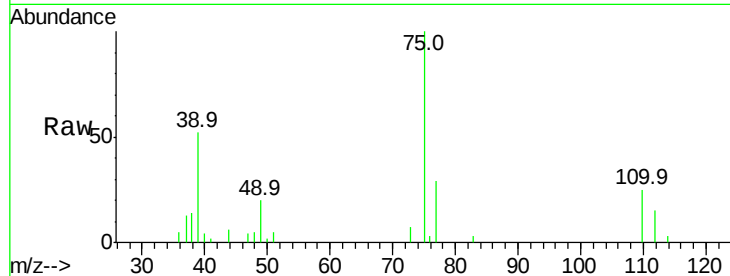




#39
 cis-1,3-Dichloropropene
 Concen: 0.503 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

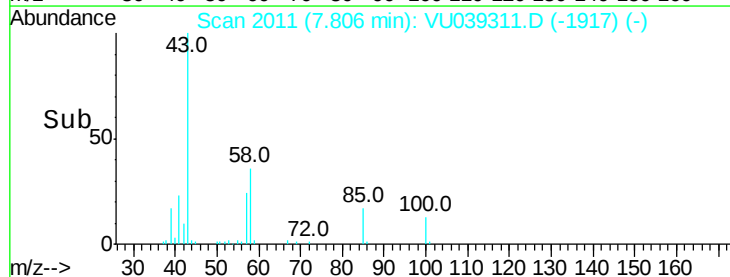
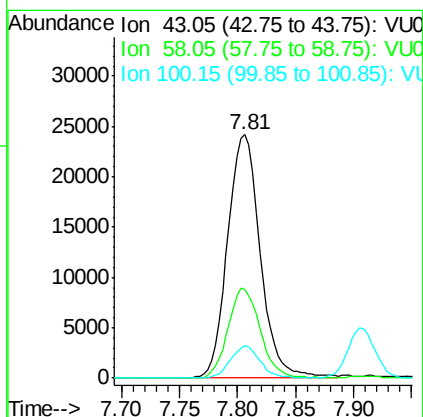
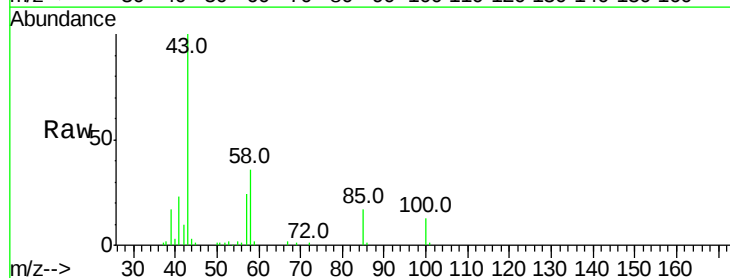
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

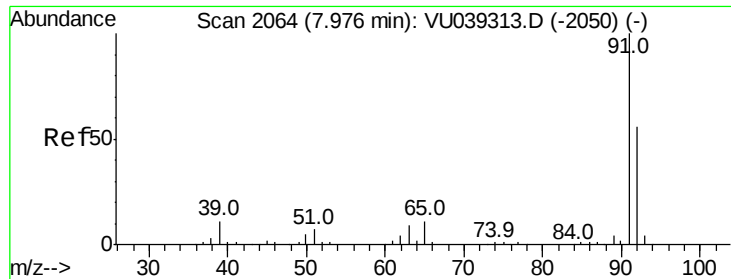
Tgt Ion: 75 Resp: 8198
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 5.350 ug/L
 RT: 7.81 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion: 43 Resp: 47447
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.5 45.7
 100 11.8 10.3 15.5





#42

Toluene

Concen: 0.536 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

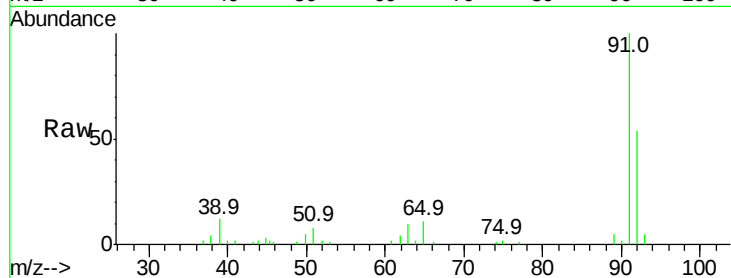
VSTD0.505

Tgt Ion: 91 Resp: 21902

Ion Ratio Lower Upper

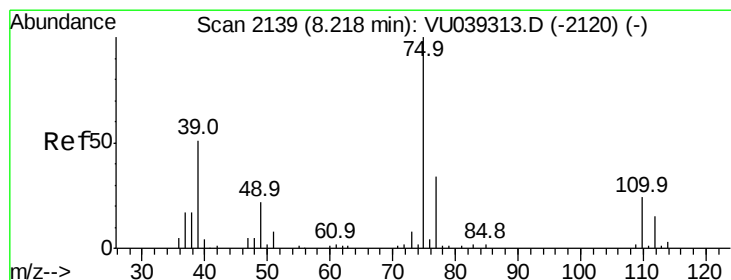
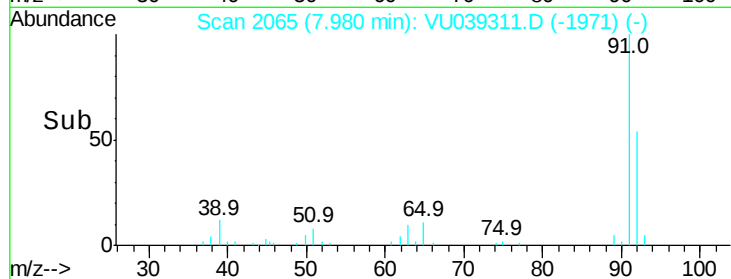
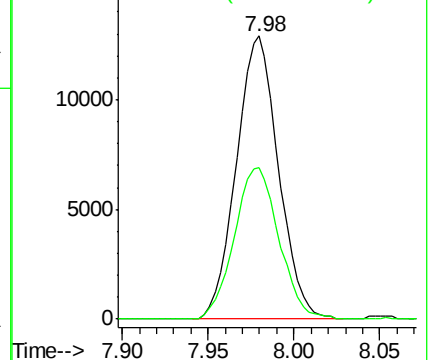
91 100

92 53.5 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.478 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039311.D

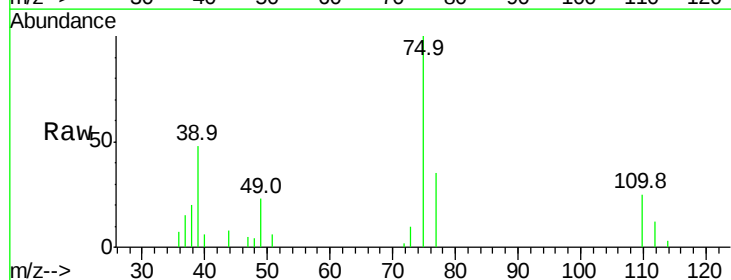
Acq: 07 Jul 2020 13:03

Tgt Ion: 75 Resp: 7014

Ion Ratio Lower Upper

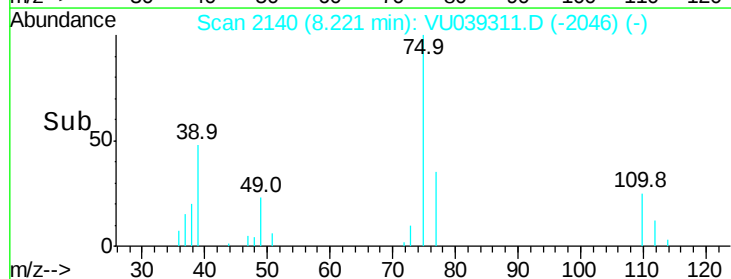
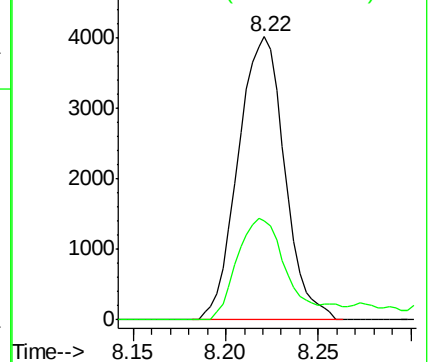
75 100

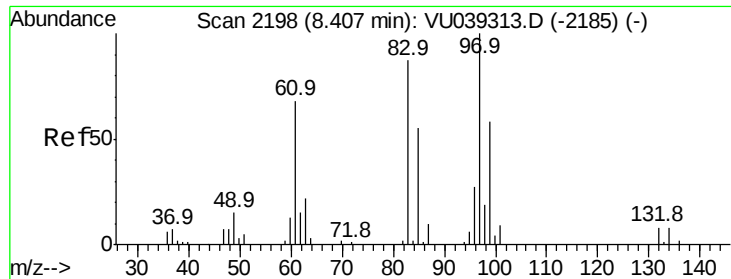
77 35.1 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.507 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

Tgt Ion: 97 Resp: 3954

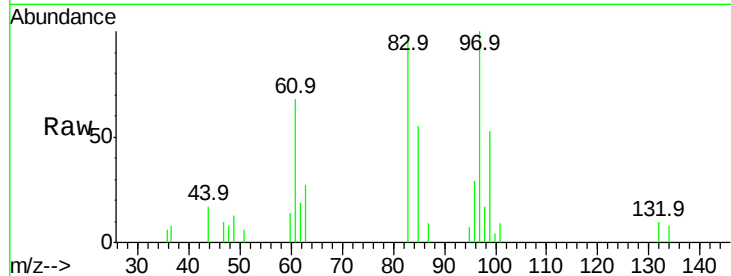
Ion Ratio Lower Upper

97 100

99 53.0 40.7 75.7

83 96.2 60.6 112.6

85 54.9 38.3 71.1

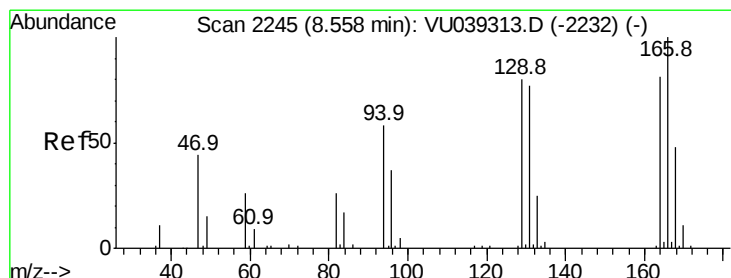
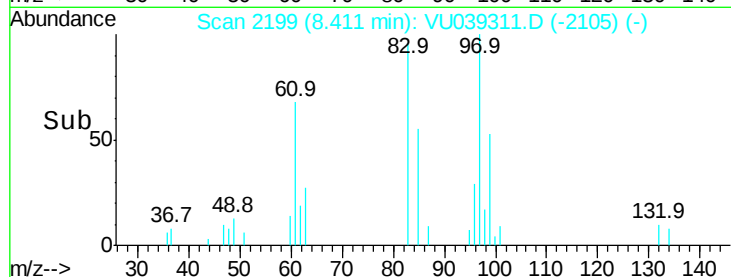
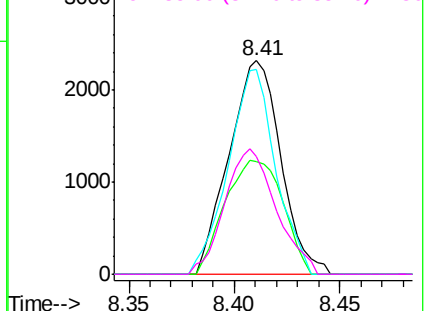


Abundance Ion 96.95 (96.65 to 97.65): VU039311.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU039311.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU039311.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039311.D (-2185) (-)



#47

Tetrachloroethene

Concen: 0.545 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Tgt Ion: 164 Resp: 3706

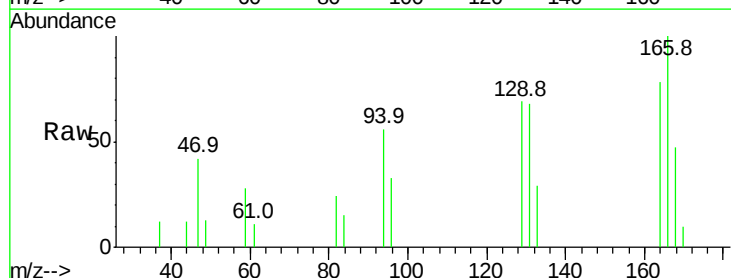
Ion Ratio Lower Upper

164 100

129 88.0 68.6 127.4

131 86.9 66.4 123.4

166 127.9 85.9 159.5

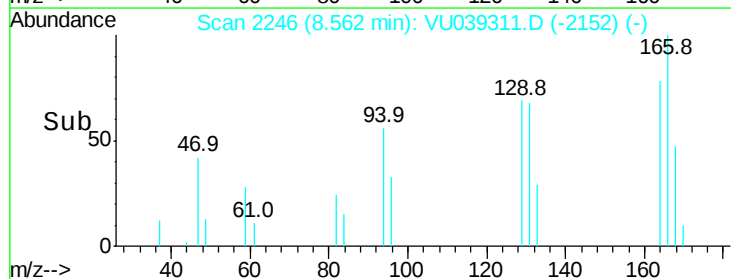
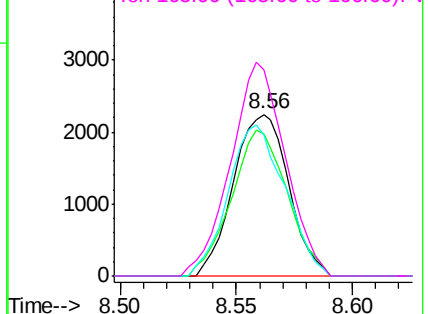


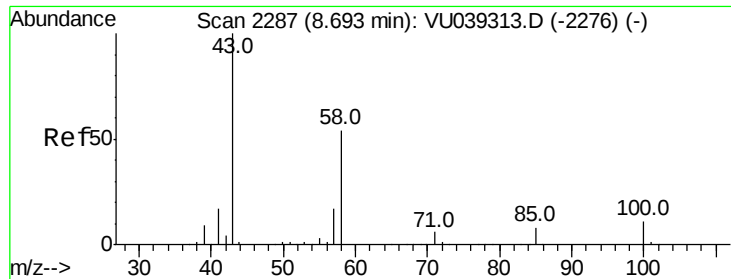
Abundance Ion 163.90 (163.60 to 164.60): VU039311.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039311.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039311.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039311.D (-2232) (-)

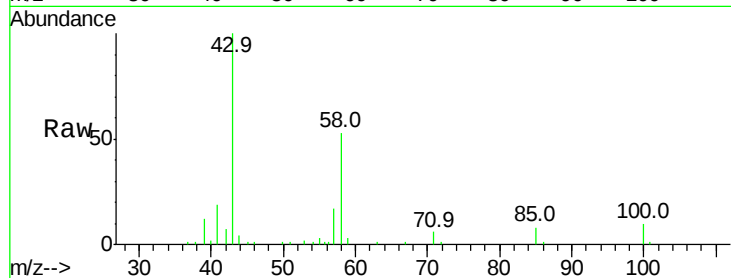




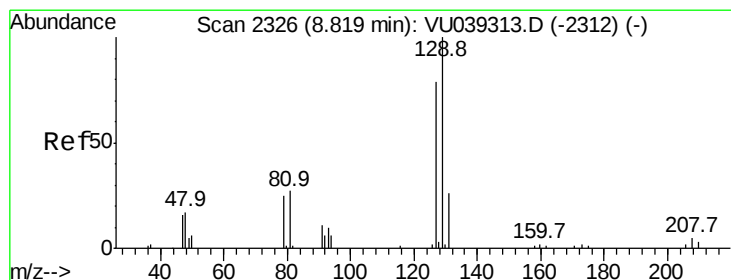
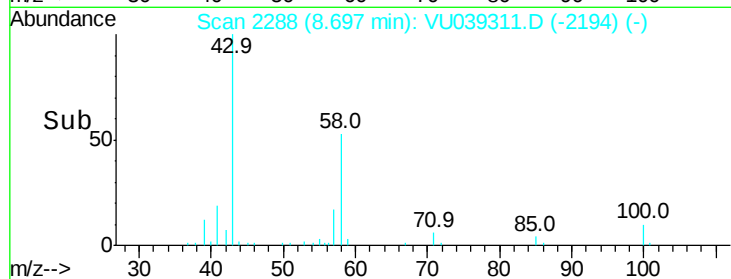
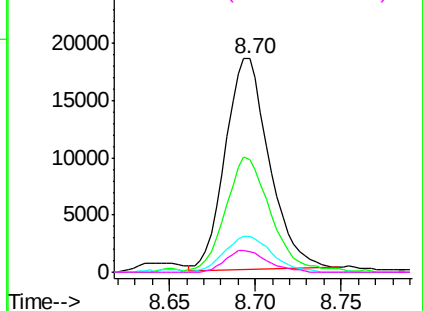
#48
2-Hexanone
Concen: 4.960 ug/L
RT: 8.70 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion: 43 Resp: 32711
Ion Ratio Lower Upper
43 100
58 54.2 42.0 63.0
57 18.6 14.0 21.0
100 9.9 8.2 12.2

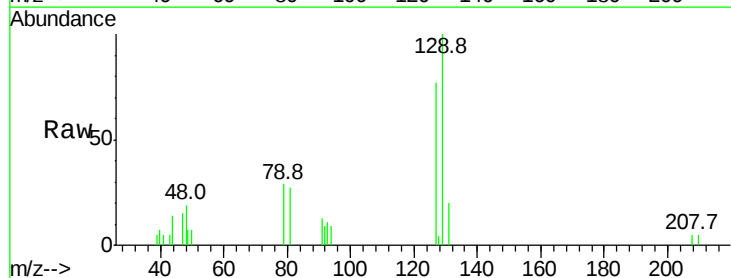


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

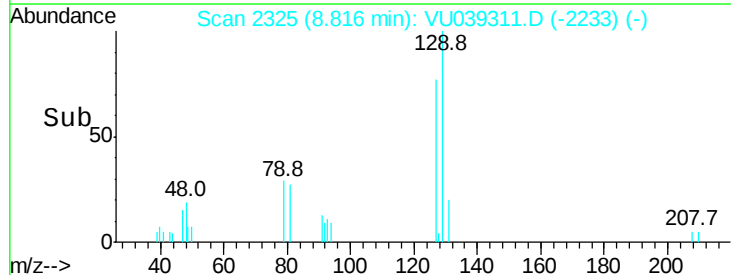
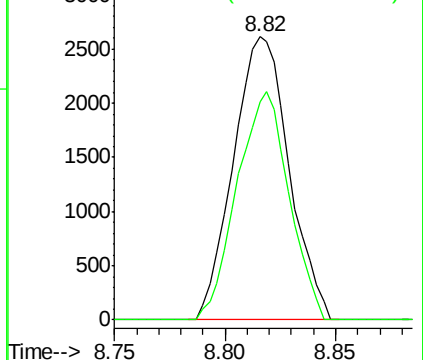


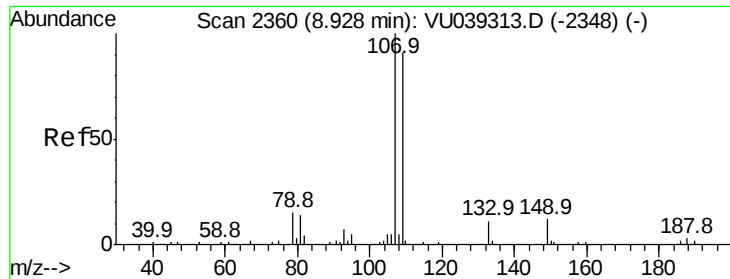
#49
Dibromochloromethane
Concen: 0.468 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

Tgt Ion: 129 Resp: 4584
Ion Ratio Lower Upper
129 100
127 76.9 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

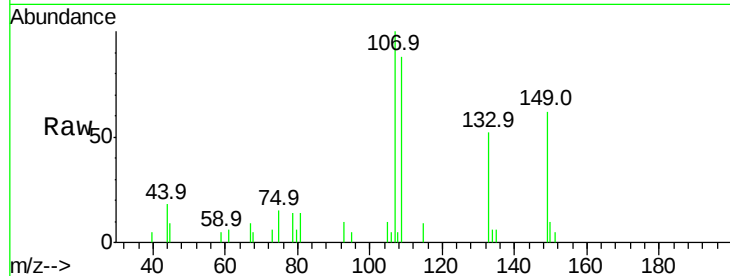




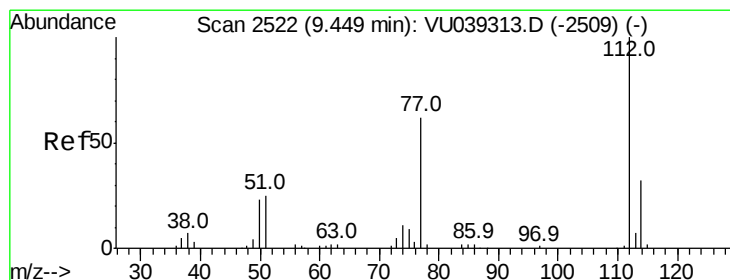
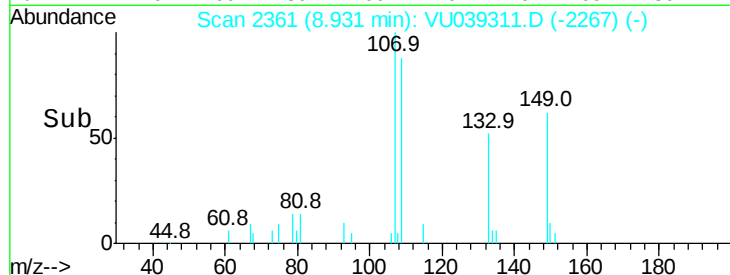
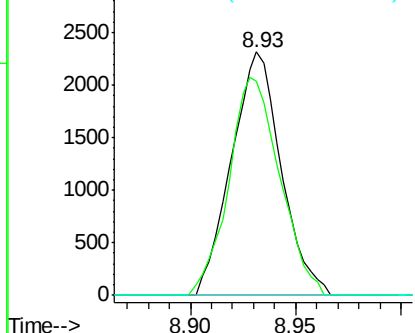
#50
 1,2-Dibromoethane
 Concen: 0.484 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:107 Resp: 3790
 Ion Ratio Lower Upper
 107 100
 109 87.7 64.0 118.8
 188 0.0 2.6 3.8#

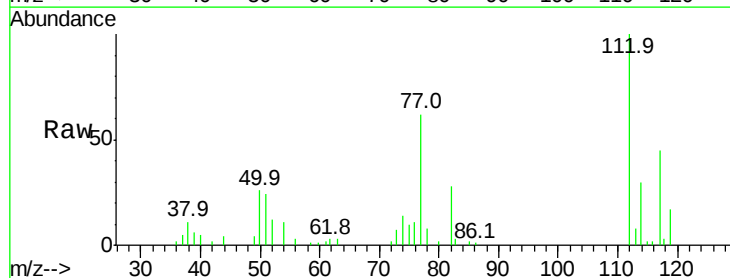


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

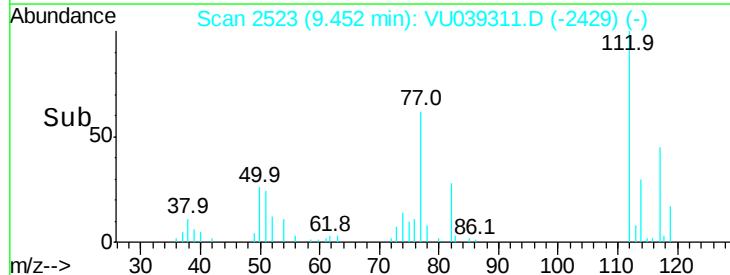
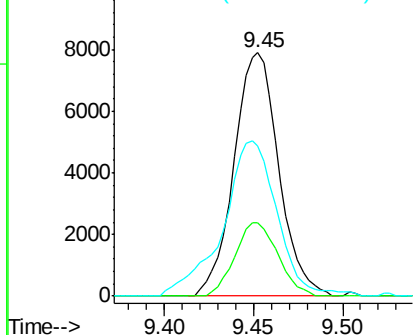


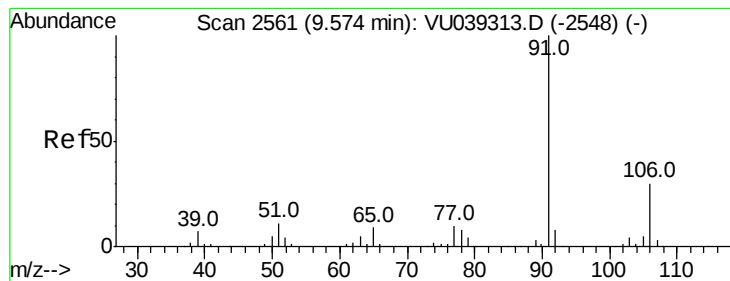
#51
 Chlorobenzene
 Concen: 0.545 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion:112 Resp: 13789
 Ion Ratio Lower Upper
 112 100
 114 30.0 22.1 41.1
 77 61.8 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.525 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

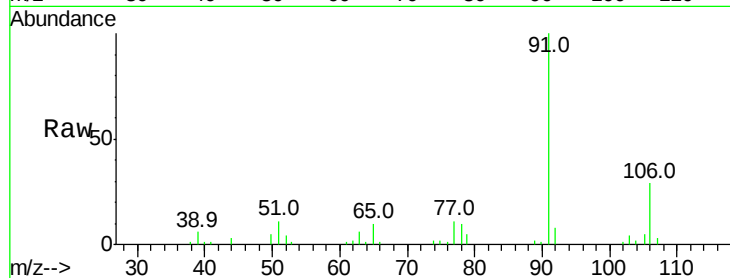
VSTD0.505

Tgt Ion: 91 Resp: 23883

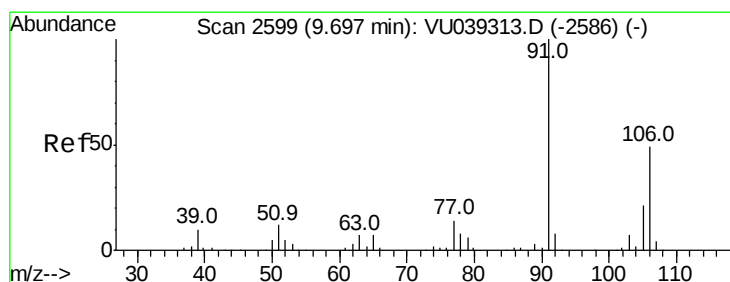
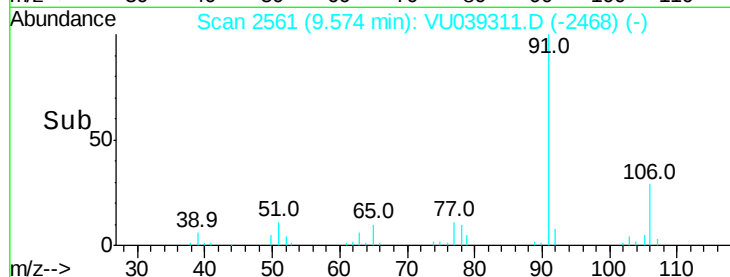
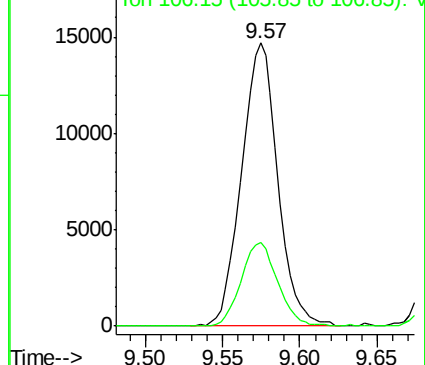
Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039311.D (-2548) (-)



#53

m,p-Xylene

Concen: 0.525 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039311.D

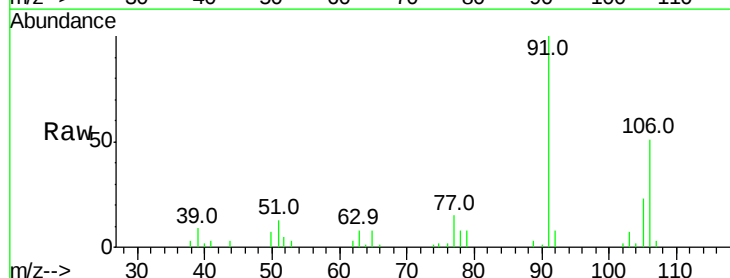
Acq: 07 Jul 2020 13:03

Tgt Ion: 106 Resp: 9006

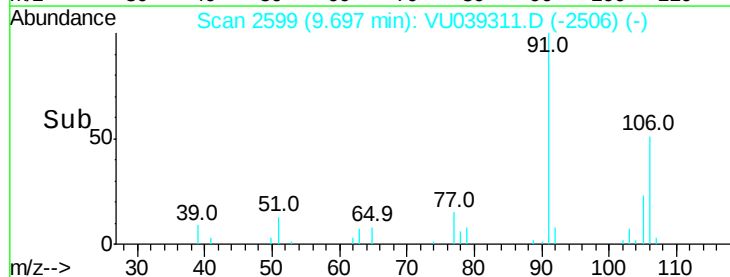
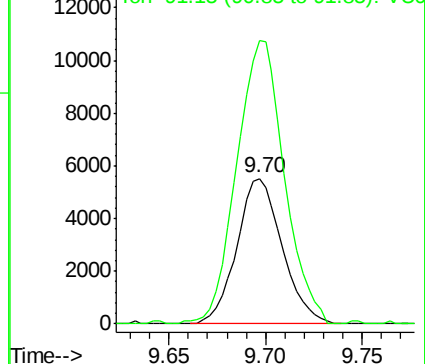
Ion Ratio Lower Upper

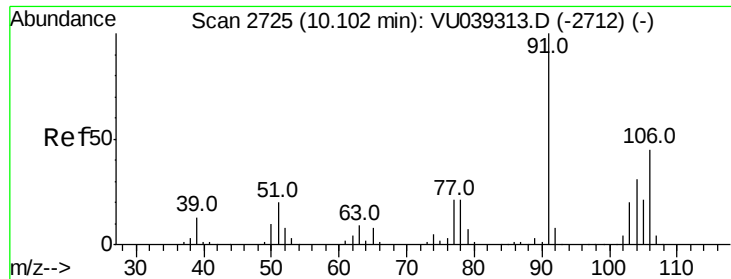
106 100

91 195.0 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039311.D (-2586) (-)

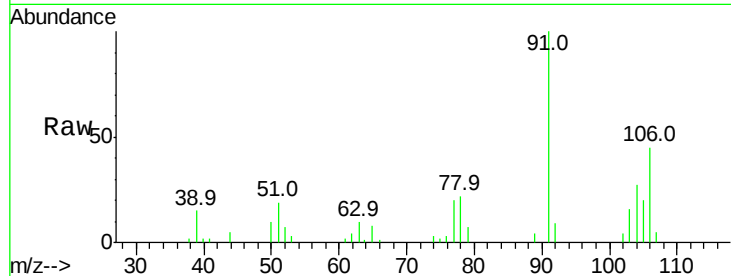




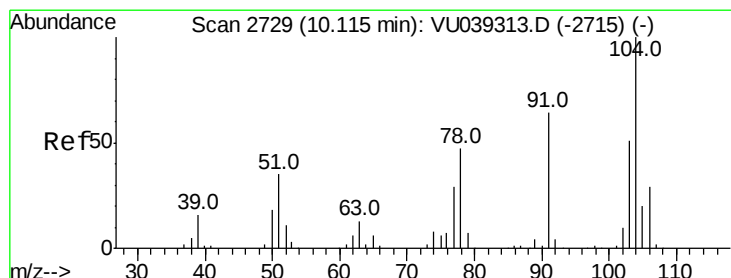
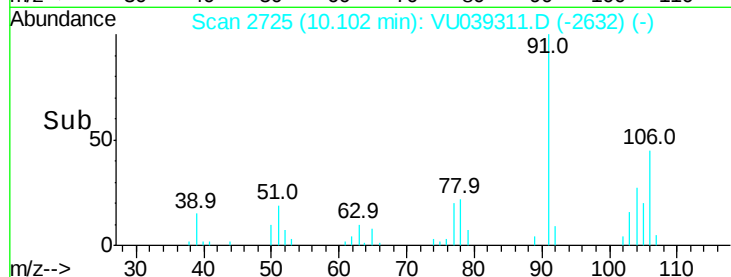
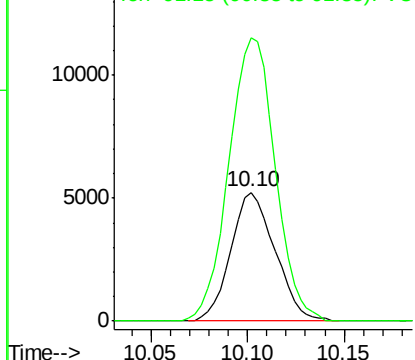
#54
o-Xylene
Concen: 0.488 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:106 Resp: 8311
Ion Ratio Lower Upper
106 100
91 219.9 154.6 287.2

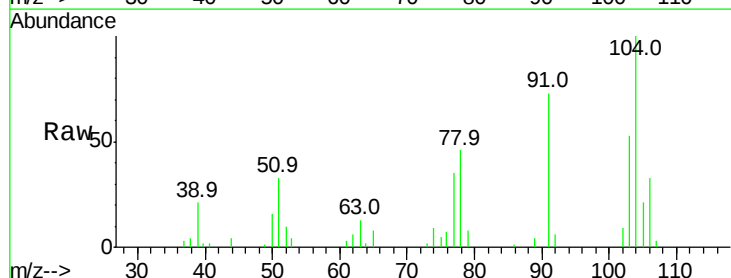


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

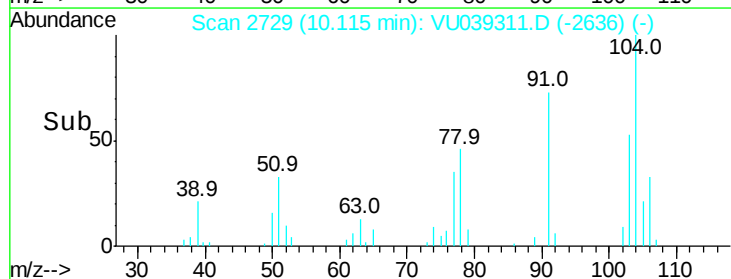
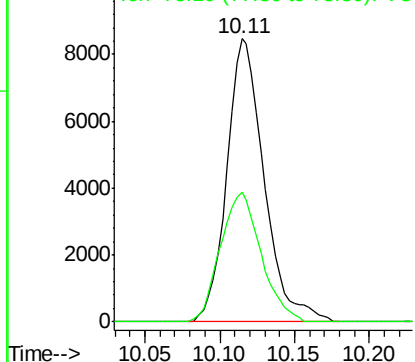


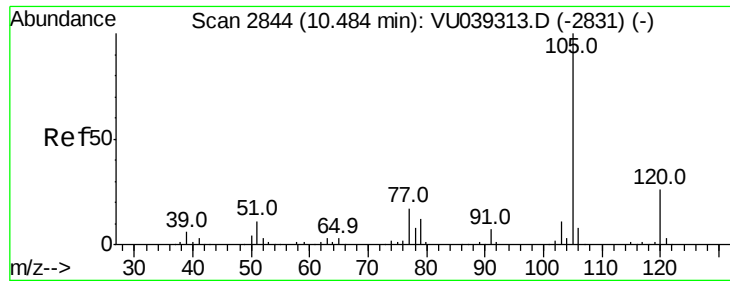
#55
Styrene
Concen: 0.494 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039311.D
Acq: 07 Jul 2020 13:03

Tgt Ion:104 Resp: 14689
Ion Ratio Lower Upper
104 100
78 45.7 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.509 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

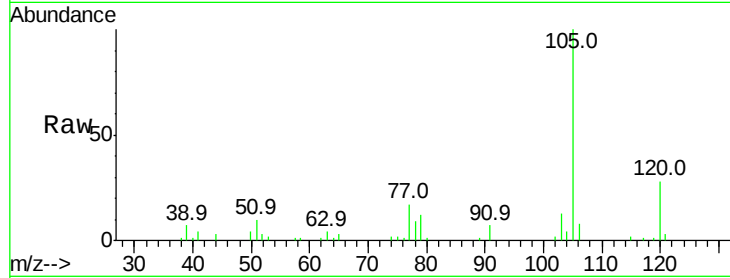
Tgt Ion:105 Resp: 23438

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

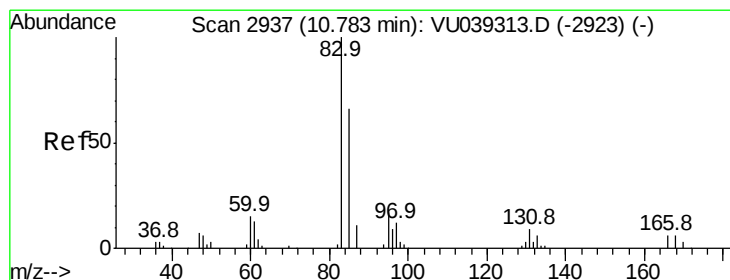
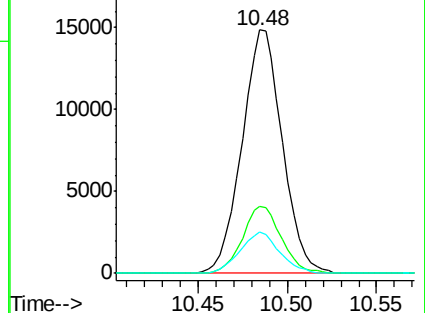
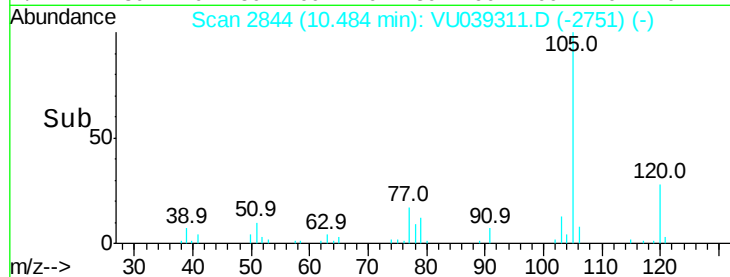
77 16.6 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.482 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

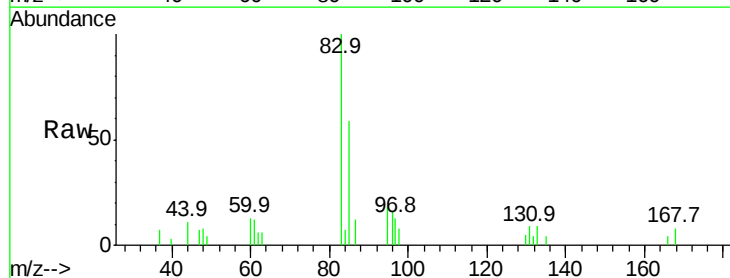
Tgt Ion: 83 Resp: 5312

Ion Ratio Lower Upper

83 100

85 59.1 46.1 85.7

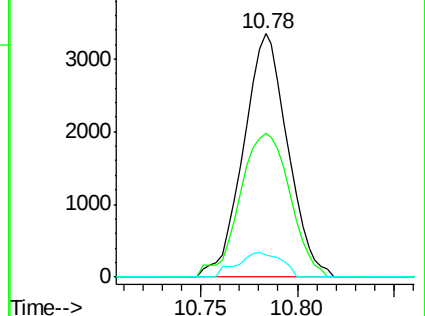
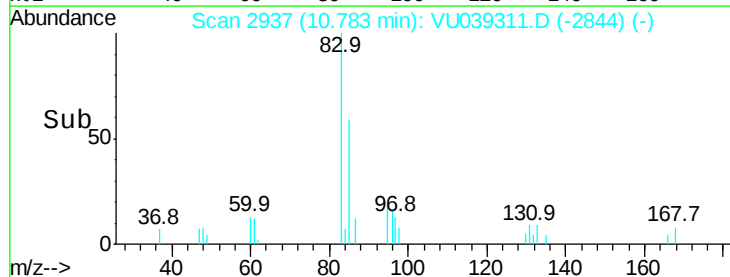
131 9.3 7.4 11.0

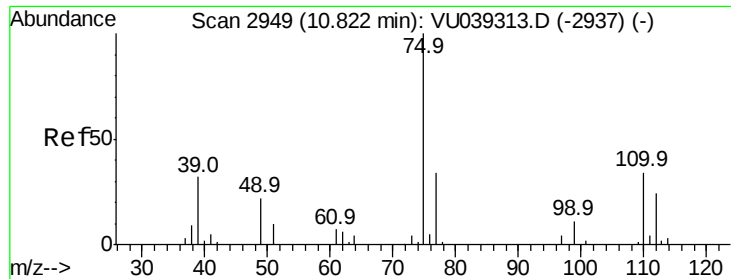


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

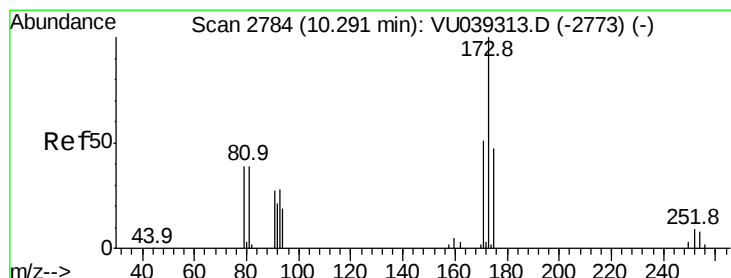
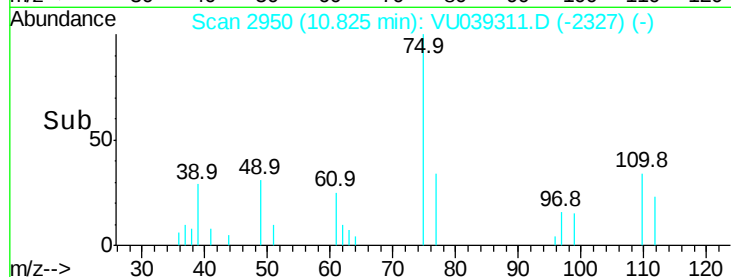
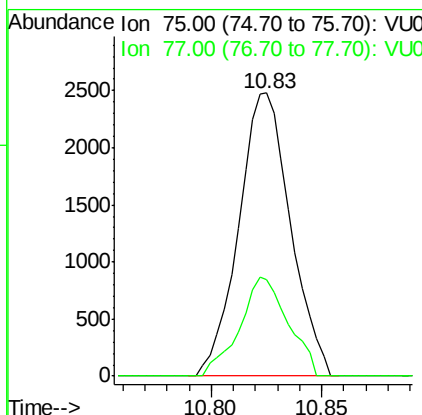
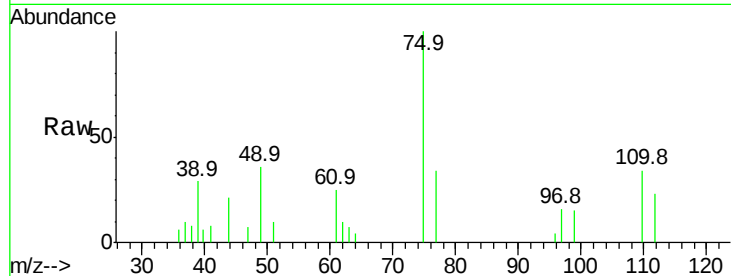




#59
 1,2,3-Trichloropropane
 Concen: 0.514 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

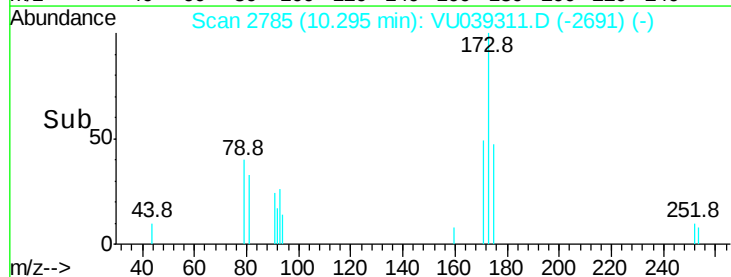
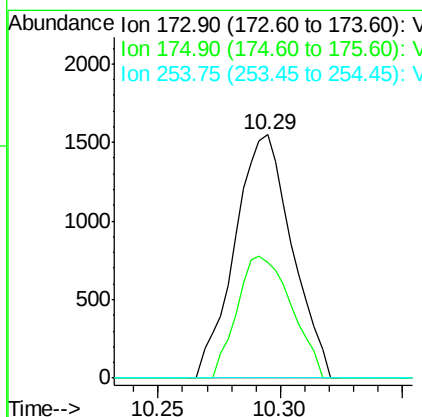
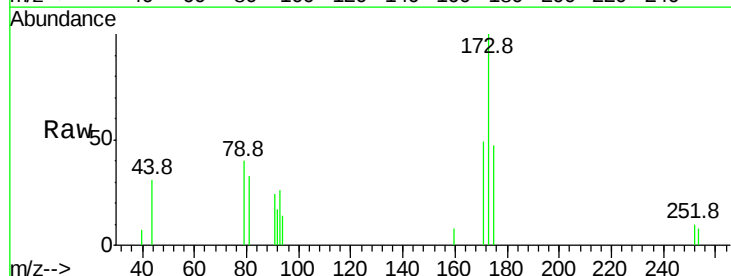
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

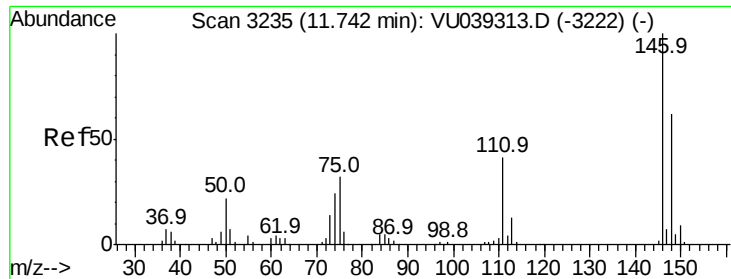
Tgt Ion: 75 Resp: 4049
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.8 40.2



#61
 Bromoform
 Concen: 0.426 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion: 173 Resp: 2510
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.5 56.3
 254 0.0 6.7 10.1#

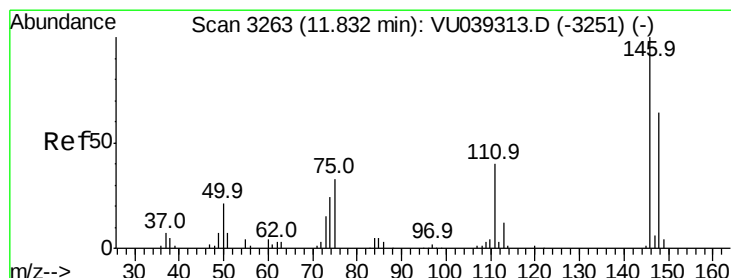
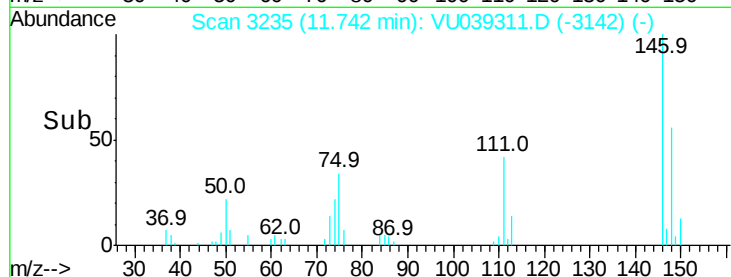
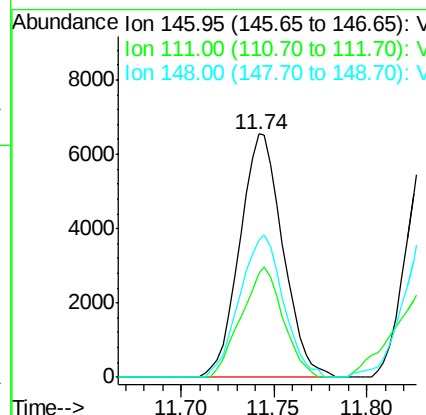
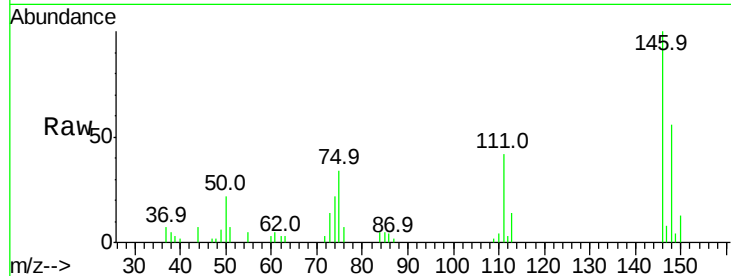




#62
 1,3-Dichlorobenzene
 Concen: 0.508 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

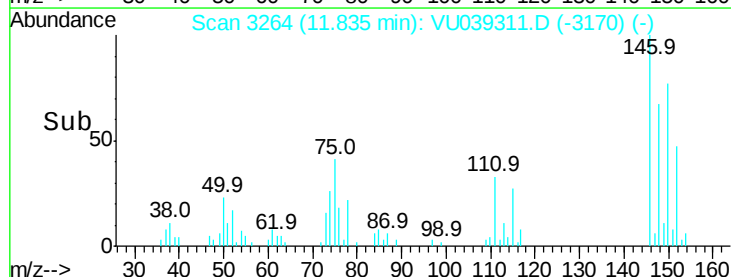
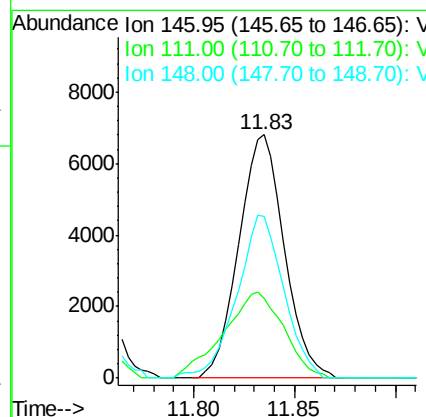
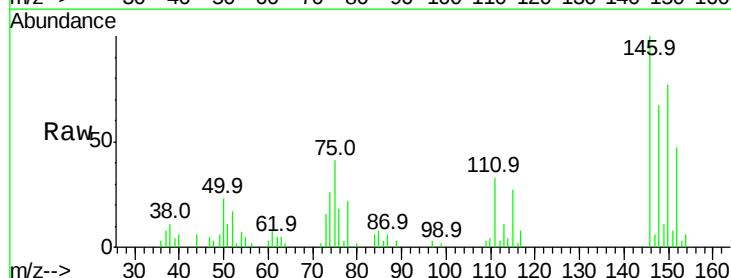
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

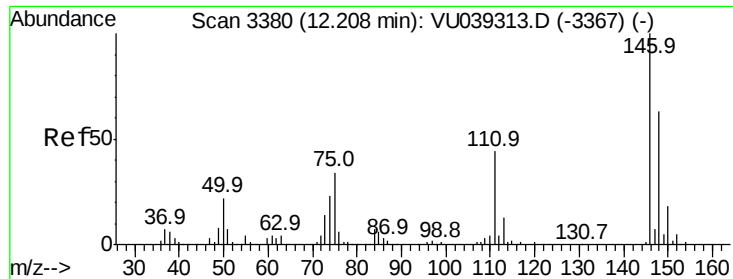
Tgt Ion:146 Resp: 10550
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.0 53.8
 148 56.3 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 0.527 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion:146 Resp: 10762
 Ion Ratio Lower Upper
 146 100
 111 32.6 28.6 53.0
 148 66.6 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 0.537 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

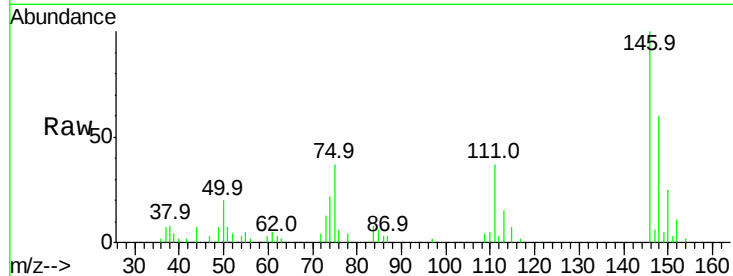
Tgt Ion:146 Resp: 10928

Ion Ratio Lower Upper

146 100

111 37.3 35.0 52.4

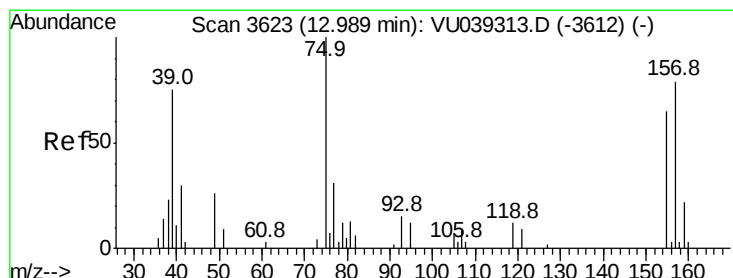
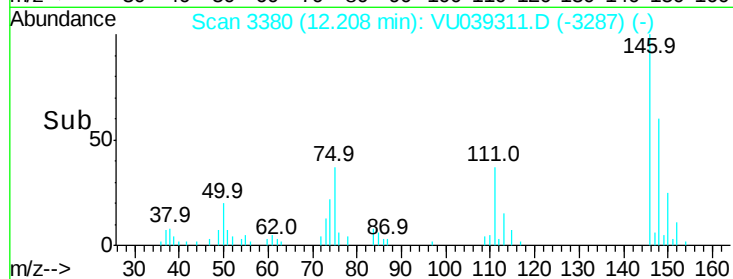
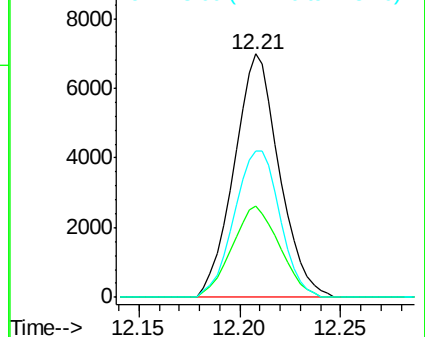
148 60.2 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.388 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

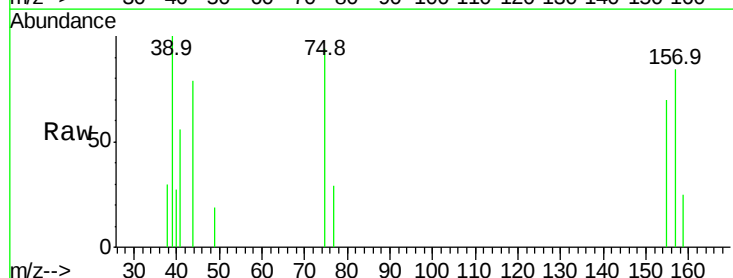
Tgt Ion: 75 Resp: 787

Ion Ratio Lower Upper

75 100

155 74.7 51.9 77.9

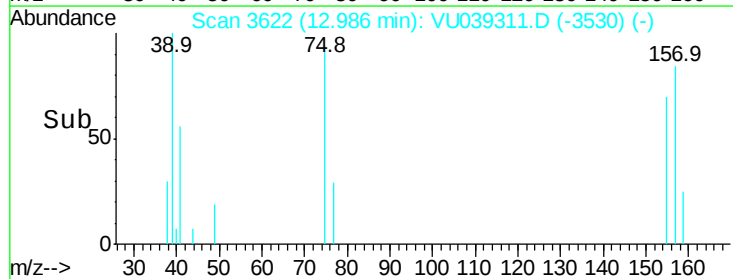
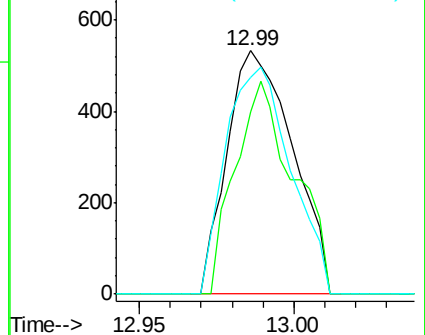
157 89.1 63.2 94.8

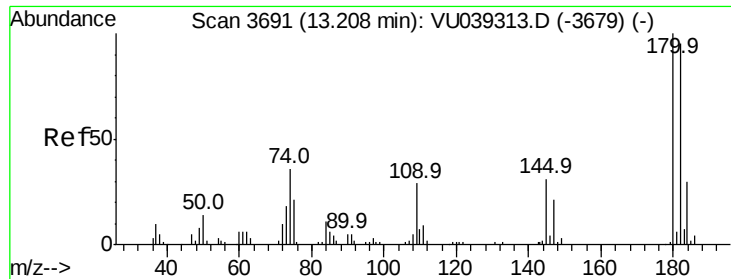


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

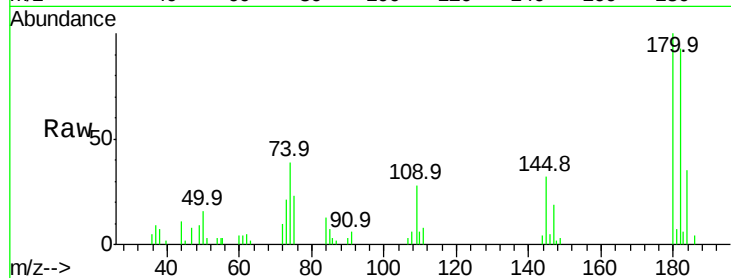




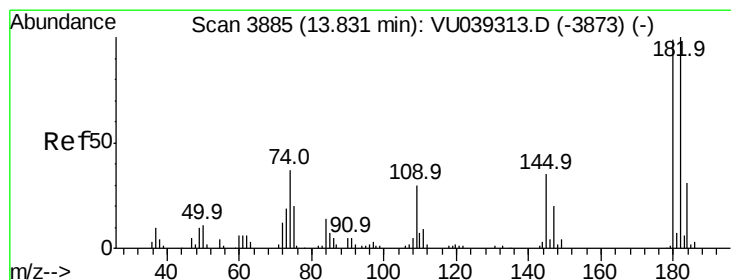
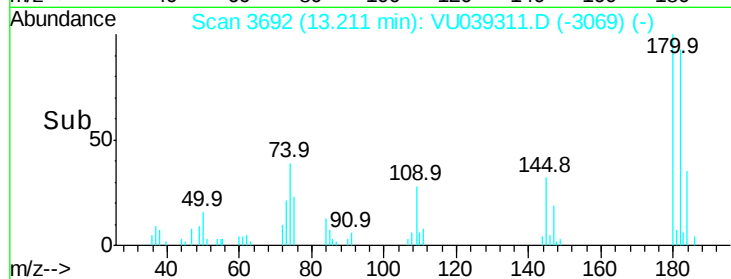
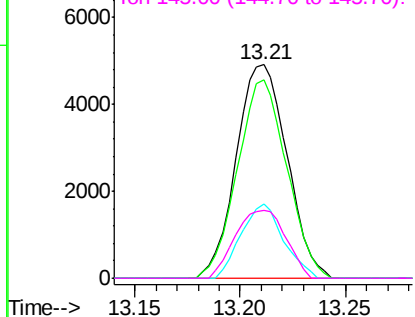
#67
 1,3,5-Trichlorobenzene
 Concen: 0.540 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:180 Resp: 8240
 Ion Ratio Lower Upper
 180 100
 182 89.9 76.2 114.4
 184 28.9 24.2 36.4
 145 31.6 24.2 36.2

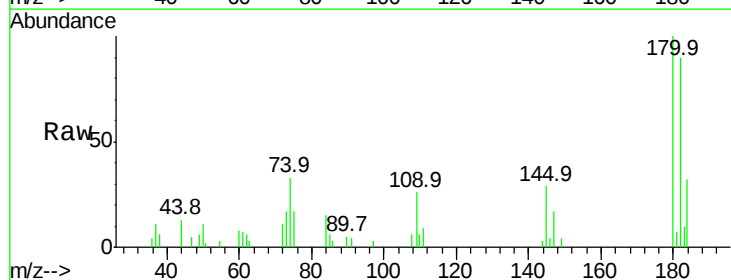


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

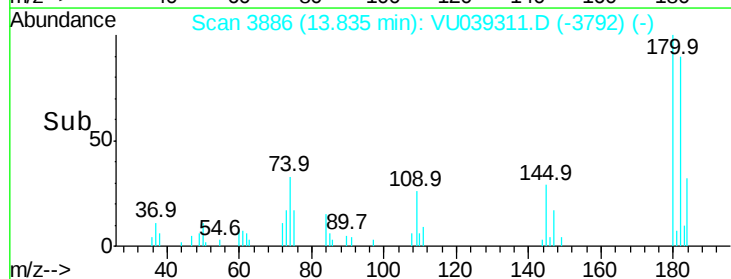
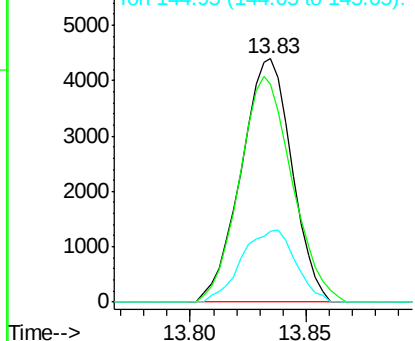


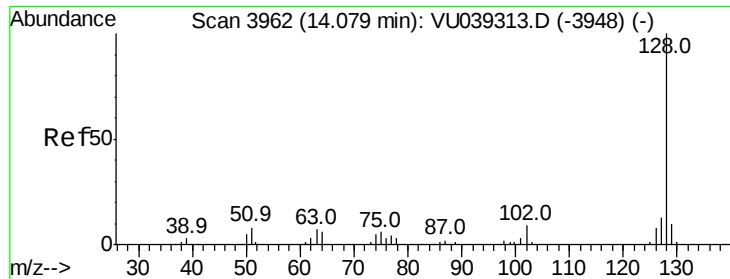
#68
 1,2,4-trichlorobenzene
 Concen: 0.504 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039311.D
 Acq: 07 Jul 2020 13:03

Tgt Ion:180 Resp: 6654
 Ion Ratio Lower Upper
 180 100
 182 96.2 79.4 119.2
 145 31.4 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.539 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

Instrument :

MSVOA_U

ClientSampled :

VSTD0.505

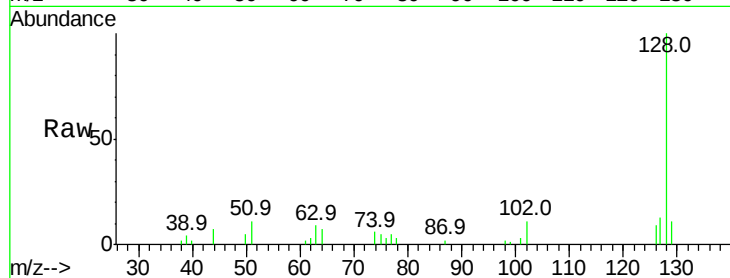
Tgt Ion:128 Resp: 13652

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

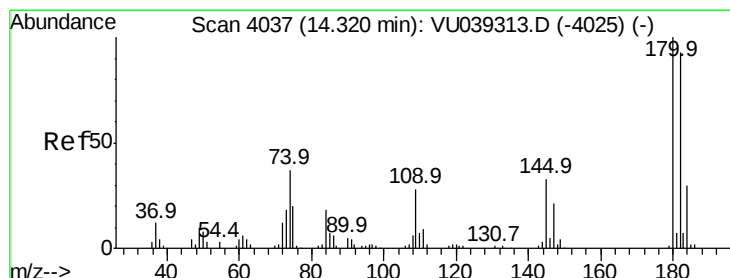
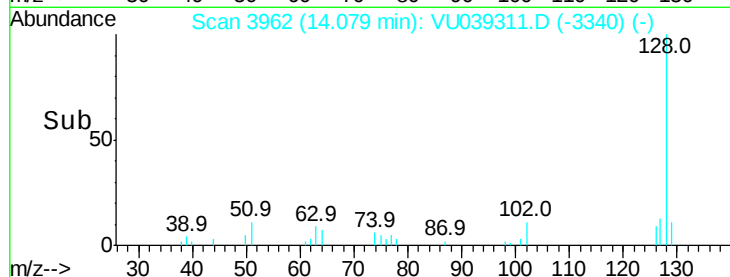
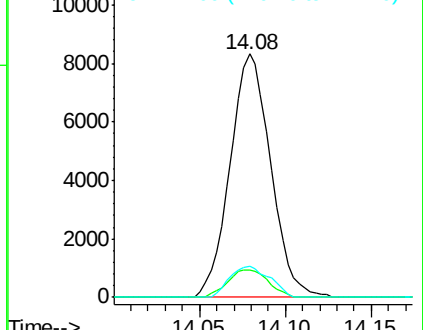
127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.511 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039311.D

Acq: 07 Jul 2020 13:03

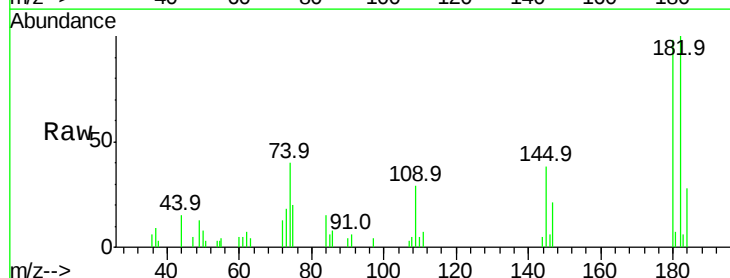
Tgt Ion:180 Resp: 6148

Ion Ratio Lower Upper

180 100

182 97.8 74.2 111.2

145 35.9 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

