

Data File : VU037820.D
Acq On : 21 Apr 2020 12:39
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Quant Time: Apr 21 13:34:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 21 13:31:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	502479	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	483262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	241535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	41962	9.55	ug/L	0.00
7) Chloroethane-d5	1.93	69	35196	9.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	71544	9.99	ug/L	0.00
21) 2-Butanone-d5	4.67	46	70194	19.72	ug/L	0.00
24) Chloroform-d	5.10	84	68531	10.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	47335	10.56	ug/L	0.00
32) Benzene-d6	5.76	84	143719	10.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	47584	10.05	ug/L	0.00
41) Toluene-d8	7.92	98	127858	9.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	23763	9.29	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	49118	18.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	62757	9.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	49205	9.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	41700	10.594 ug/L	98
3) Chloromethane	1.54	50	41739	9.067 ug/L	99
5) Vinyl chloride	1.62	62	48864	10.143 ug/L	99
6) Bromomethane	1.87	94	17464	6.888 ug/L	92
8) Chloroethane	1.95	64	28805	10.072 ug/L	96
9) Trichlorofluoromethane	2.16	101	54927	10.558 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	31230	9.860 ug/L	99
12) 1,1-Dichloroethene	2.61	96	30863	9.608 ug/L	90
13) Acetone	2.66	43	47777	22.730 ug/L	100
14) Carbon disulfide	2.82	76	105030	9.545 ug/L	100
15) Methyl Acetate	2.98	43	51333	10.270 ug/L	99
16) Methylene chloride	3.08	84	38779	10.567 ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	33571	9.742 ug/L	98
18) Methyl tert-butyl Ether	3.40	73	122893	10.331 ug/L	99
19) 1,1-Dichloroethane	3.91	63	72205	10.688 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	38639	10.198 ug/L	93
22) 2-Butanone	4.75	43	74112	20.145 ug/L	99
23) Bromochloromethane	5.02	128	18353	9.939 ug/L	90
25) Chloroform	5.13	83	67554	10.627 ug/L	98
27) 1,2-Dichloroethane	5.83	62	58696	11.164 ug/L	99
29) Cyclohexane	5.42	56	69344	10.435 ug/L	# 93
30) 1,1,1-Trichloroethane	5.35	97	55726	10.173 ug/L	97
31) Carbon tetrachloride	5.56	117	44652	10.042 ug/L	98
33) Benzene	5.81	78	152447	10.366 ug/L	100
34) Trichloroethene	6.57	95	38094	10.522 ug/L	98
35) Methylcyclohexane	6.79	83	65099	10.134 ug/L	100
37) 1,2-Dichloropropane	6.82	63	43205	10.692 ug/L	99
38) Bromodichloromethane	7.13	83	50162	10.084 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	66018	9.981 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	143903	20.051 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	160690	10.286	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	63361	9.883	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	36445	10.108	ug/L	97
46) Tetrachloroethene	8.57	164	26899	9.986	ug/L	99
48) 2-Hexanone	8.71	43	114798	20.257	ug/L	99
49) Dibromochloromethane	8.83	129	37724	9.757	ug/L	98
50) 1,2-Dibromoethane	8.94	107	39809	10.204	ug/L #	97
51) Chlorobenzene	9.47	112	99822	10.231	ug/L	99
52) Ethylbenzene	9.59	91	177022	10.106	ug/L	97
53) m,p-Xylene	9.71	106	68301	10.270	ug/L	93
54) o-xylene	10.12	106	64651	9.801	ug/L	99
55) Styrene	10.13	104	112285	9.818	ug/L	99
56) Isopropylbenzene	10.50	105	170158	9.907	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	63565	9.873	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	55730	10.152	ug/L	99
61) Bromoform	10.31	173	27242	8.900	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	78973	10.158	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	78348	10.044	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	77360	10.097	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	16293	9.180	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	55639	9.788	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	52263	9.532	ug/L	99
69) Naphthalene	14.11	128	186219	9.205	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	52153	9.547	ug/L	99

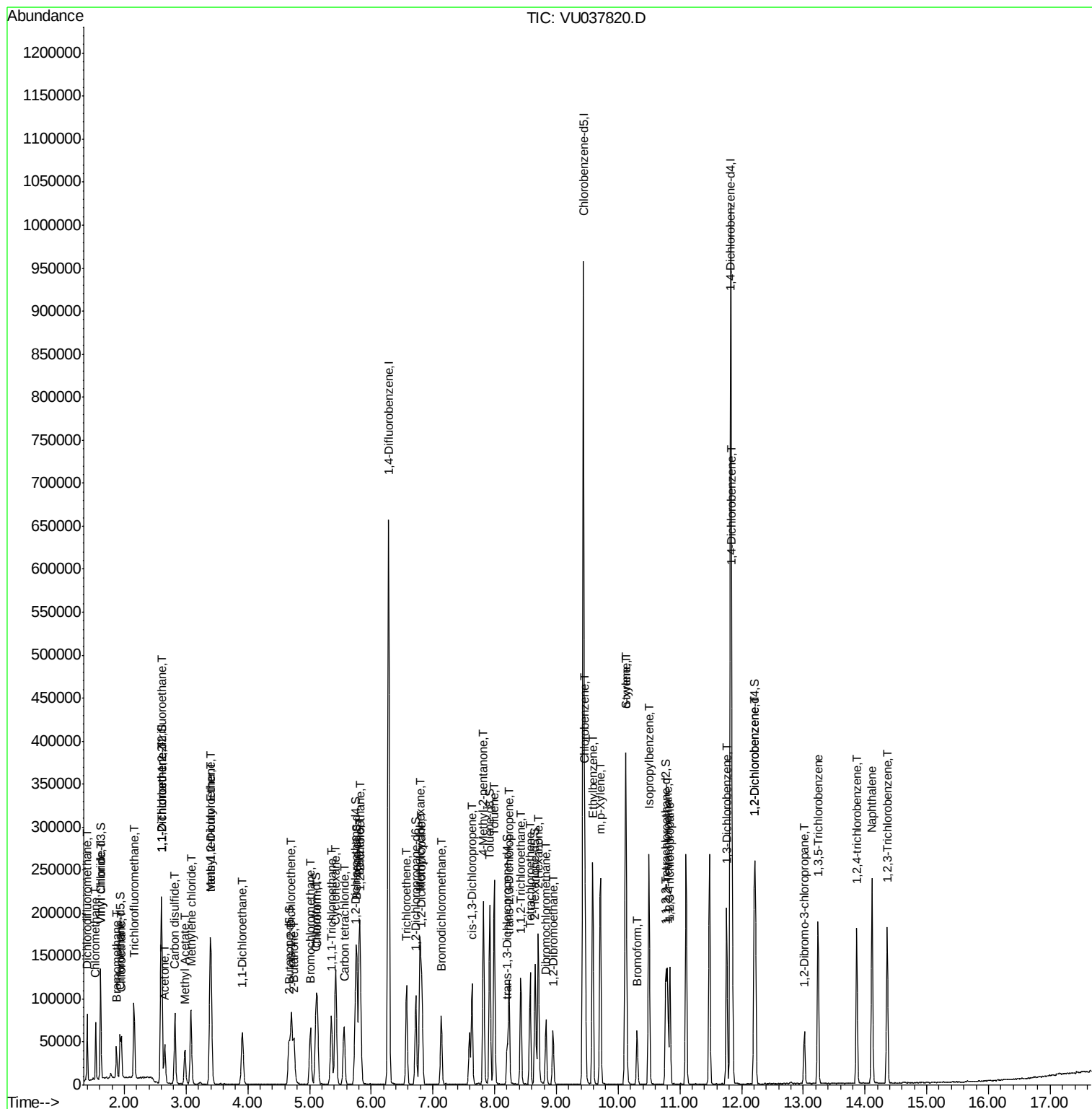
(#) = qualifier out of range (m) = manual integration (+) = signals summed

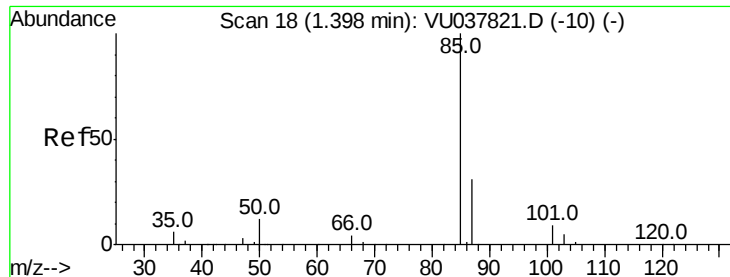
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#2

Dichlorodifluoromethane

Concen: 10.594 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

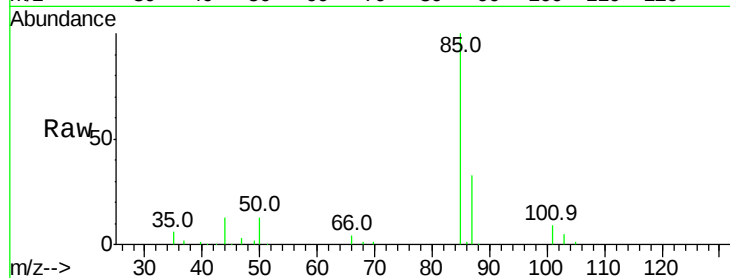
VSTD01033

Tgt Ion: 85 Resp: 41700

Ion Ratio Lower Upper

85 100

87 32.5 25.0 37.6

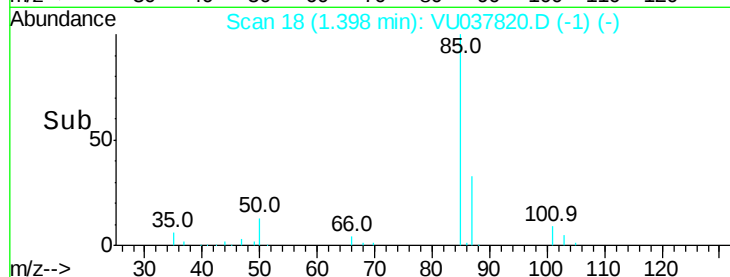


Abundance Ion 85.00 (84.70 to 85.70): VU037820.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU037820.D (-10) (-)

1.40

Time-->



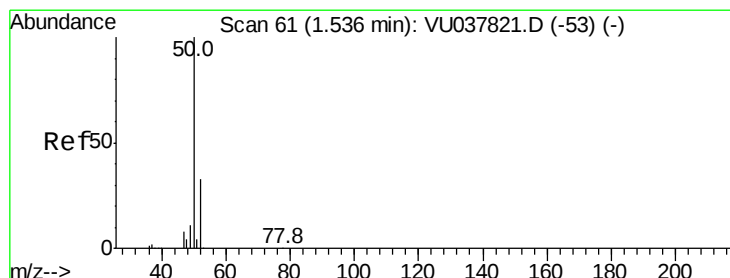
Abundance

Ion 85.00 (84.70 to 85.70): VU037820.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037820.D (-1) (-)

1.40

Time-->



#3

Chloromethane

Concen: 9.067 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037820.D

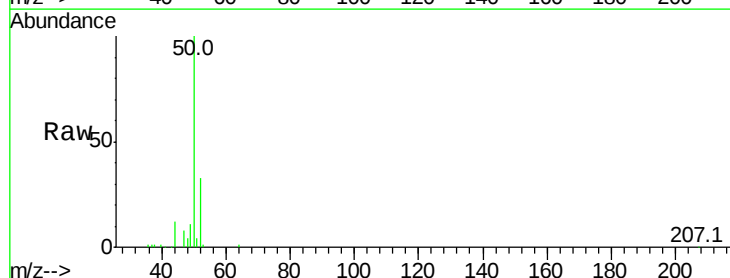
Acq: 21 Apr 2020 12:39

Tgt Ion: 50 Resp: 41739

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2

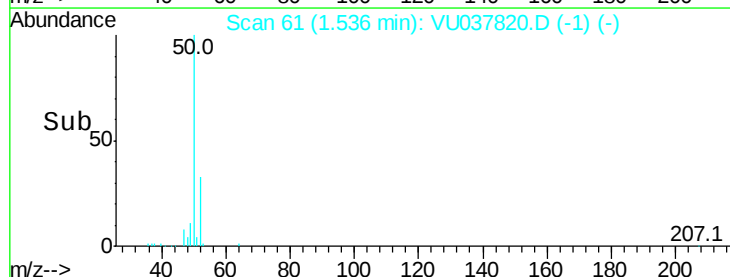


Abundance Ion 50.00 (49.70 to 50.70): VU037820.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU037820.D (-53) (-)

1.54

Time-->



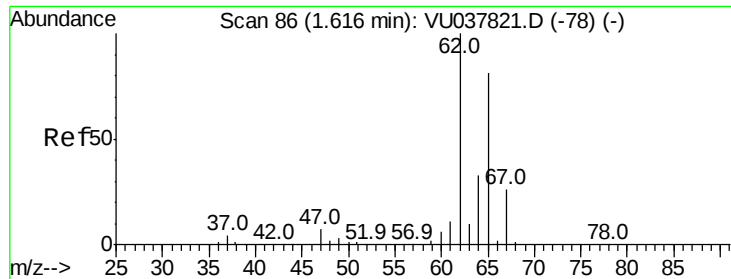
Abundance

Ion 50.00 (49.70 to 50.70): VU037820.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037820.D (-1) (-)

1.54

Time-->



#5

Vinyl chloride

Concen: 10.143 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

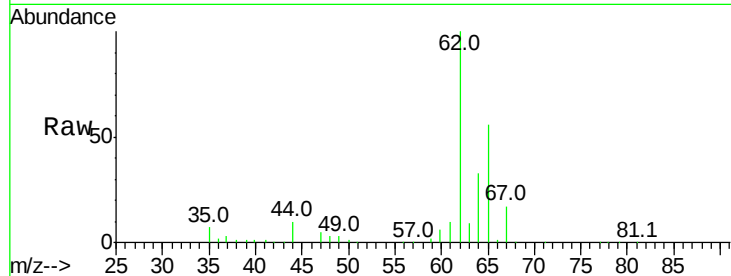
VSTD01033

Tgt Ion: 62 Resp: 48864

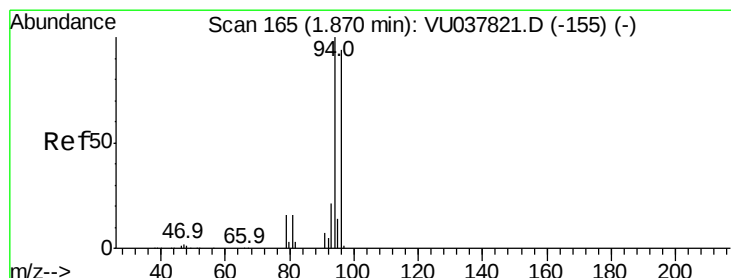
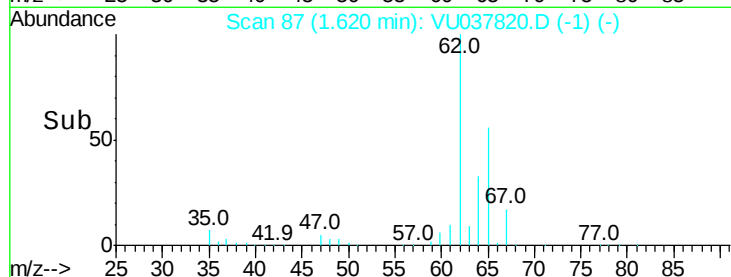
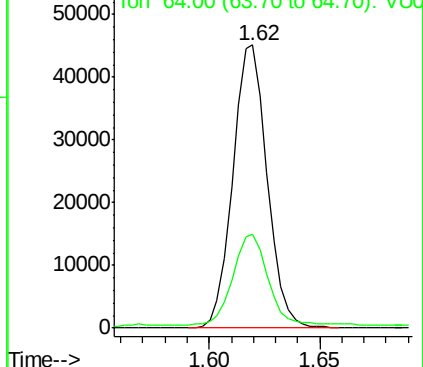
Ion Ratio Lower Upper

62 100

64 33.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU037820.D (-1) (-)



#6

Bromomethane

Concen: 6.888 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037820.D

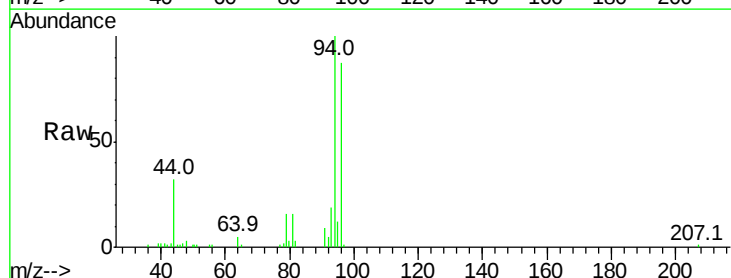
Acq: 21 Apr 2020 12:39

Tgt Ion: 94 Resp: 17464

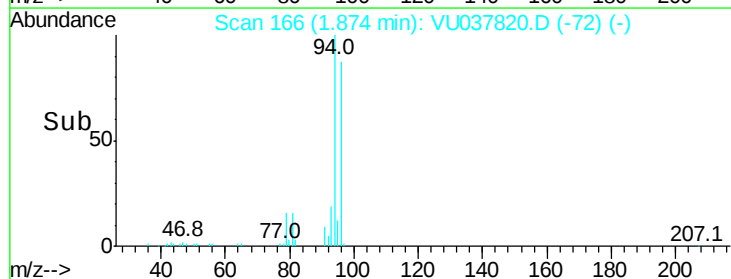
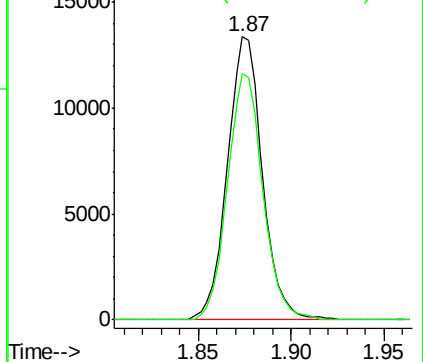
Ion Ratio Lower Upper

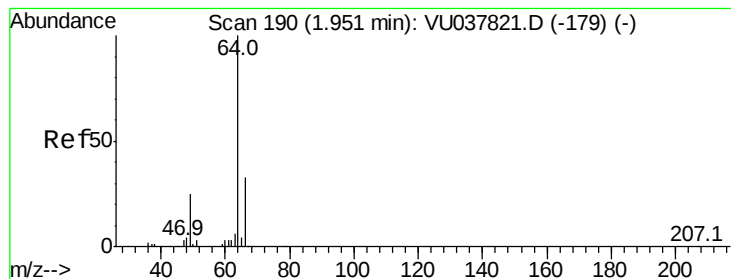
94 100

96 86.9 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU037820.D (-72) (-)





#8

Chloroethane

Concen: 10.072 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

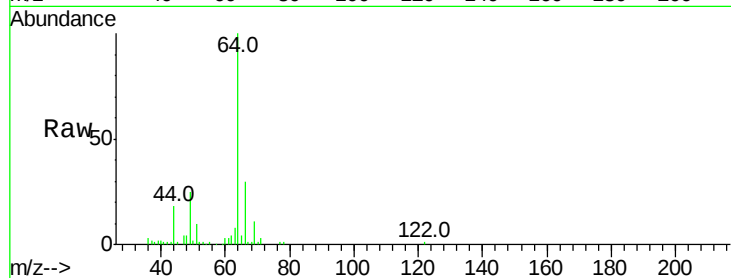
VSTD01033

Tgt Ion: 64 Resp: 28805

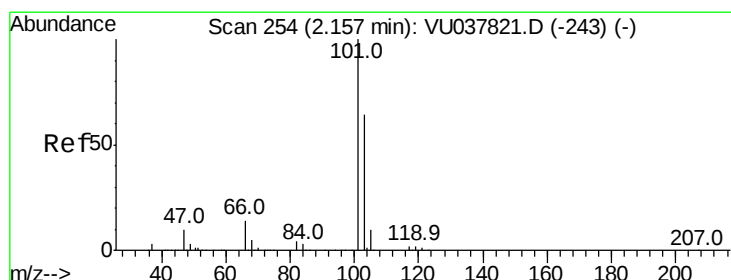
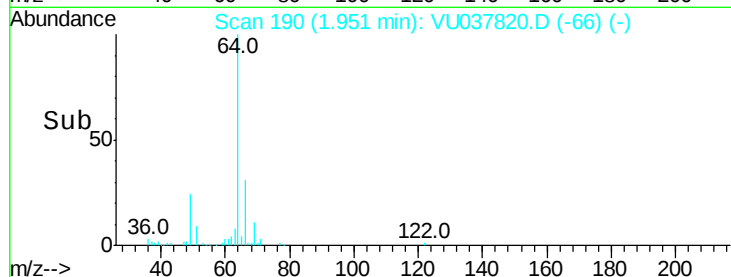
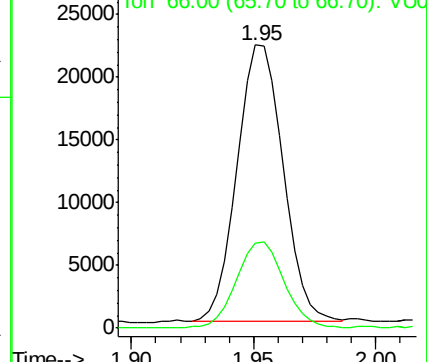
Ion Ratio Lower Upper

64 100

66 30.1 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU037820.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 10.558 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037820.D

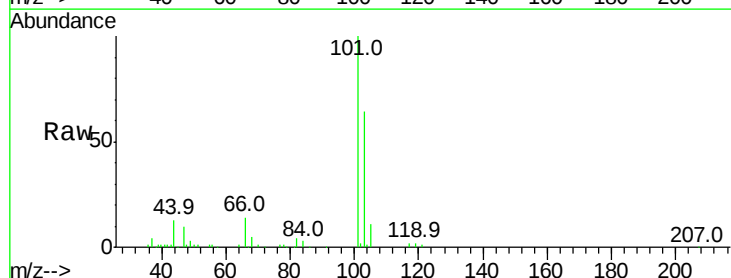
Acq: 21 Apr 2020 12:39

Tgt Ion: 101 Resp: 54927

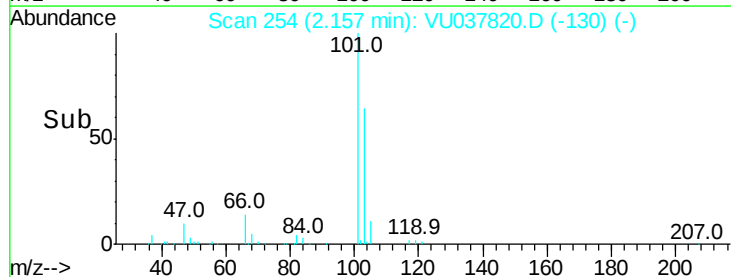
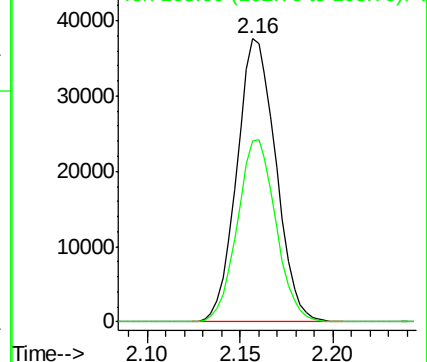
Ion Ratio Lower Upper

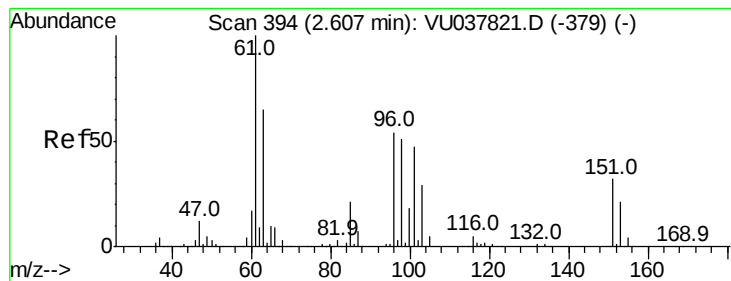
101 100

103 63.3 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU037820.D (-243) (-)





#10

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

Concen: 9.860 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

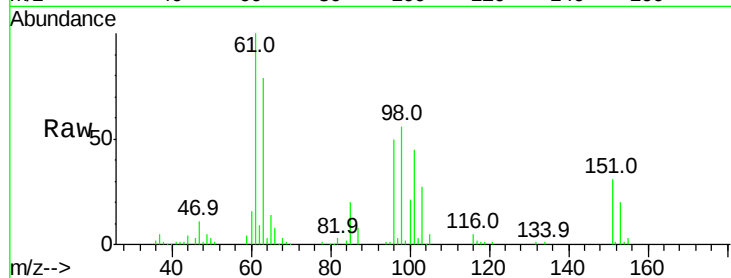
Tgt Ion: 101 Resp: 31230

Ion Ratio Lower Upper

101 100

85 45.8 35.3 52.9

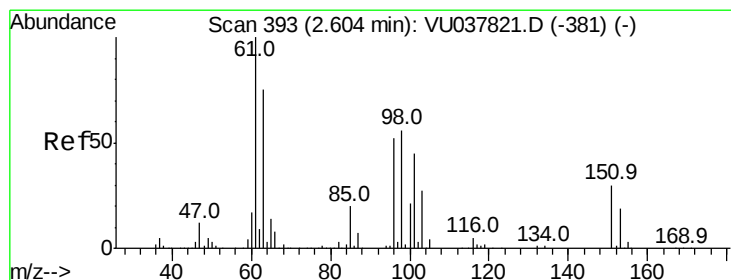
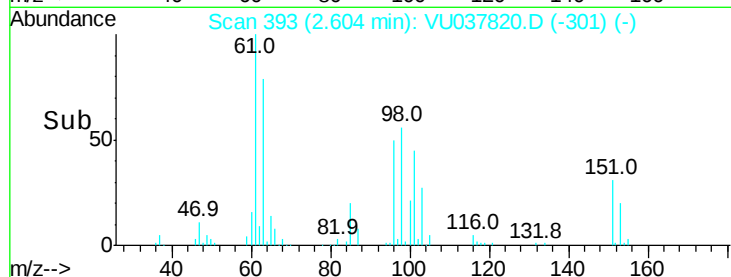
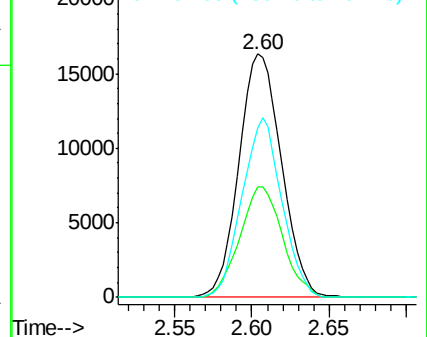
151 68.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.608 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

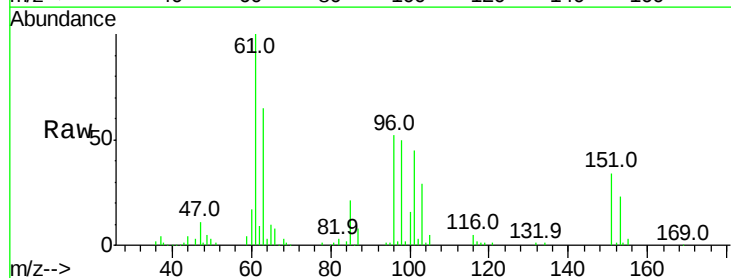
Tgt Ion: 96 Resp: 30863

Ion Ratio Lower Upper

96 100

61 190.9 134.5 249.7

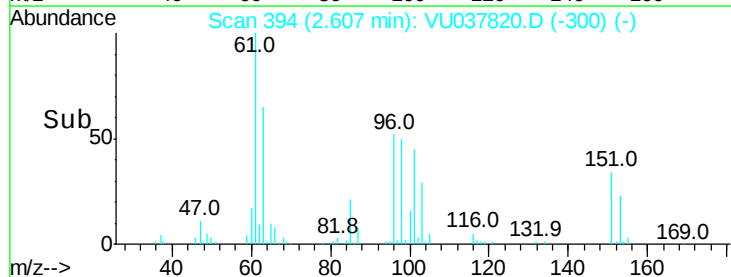
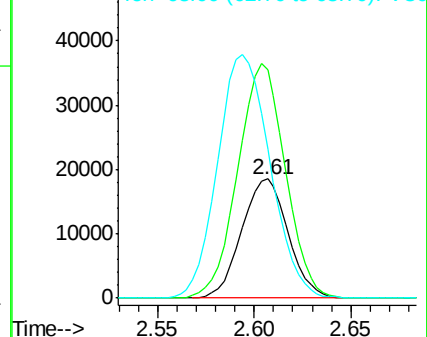
63 125.0 106.6 198.0

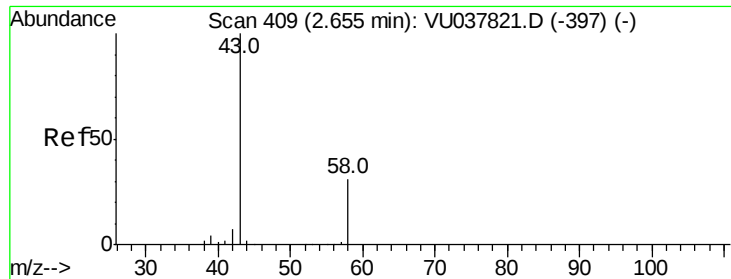


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 22.730 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

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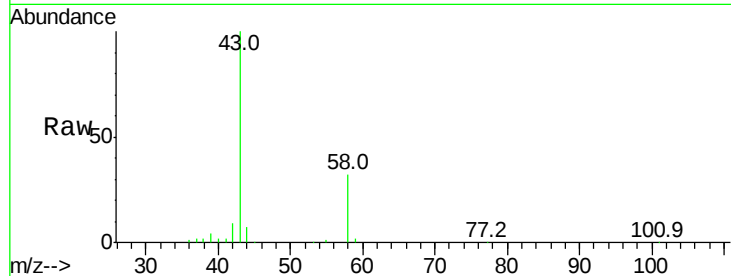
VSTD01033

Tgt Ion: 43 Resp: 47777

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VU037820.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037820.D (-316) (-)

2.66

30000

20000

10000

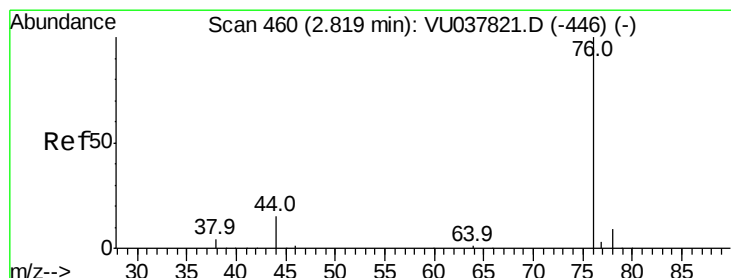
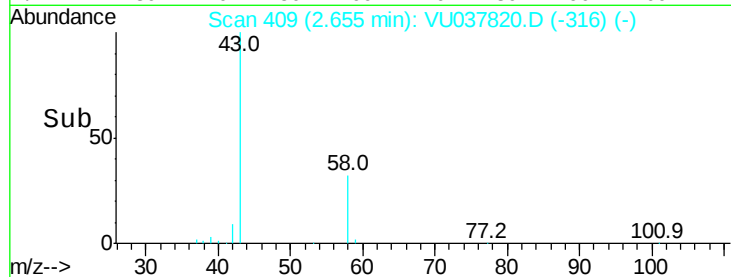
0

2.60

2.65

2.70

Time-->



#14

Carbon disulfide

Concen: 9.545 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037820.D

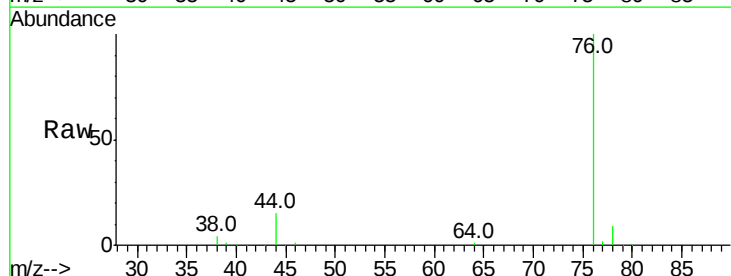
Acq: 21 Apr 2020 12:39

Tgt Ion: 76 Resp: 105030

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU037820.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037820.D (-367) (-)

2.82

60000

40000

20000

0

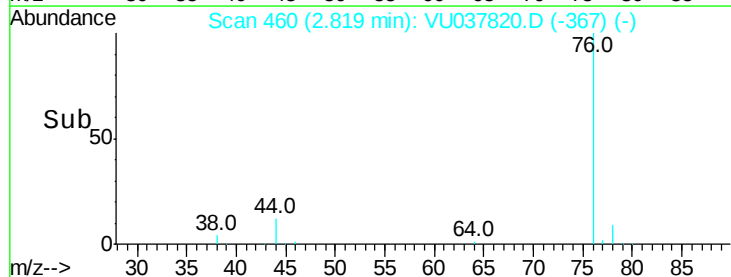
2.75

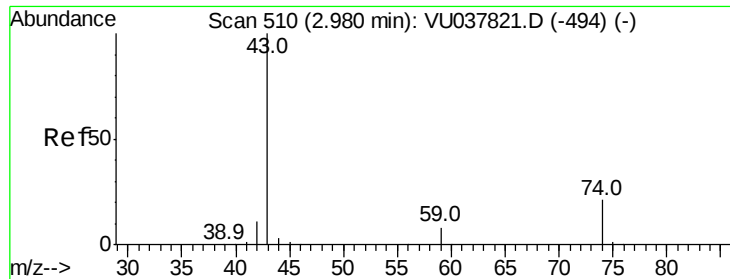
2.80

2.85

2.90

Time-->

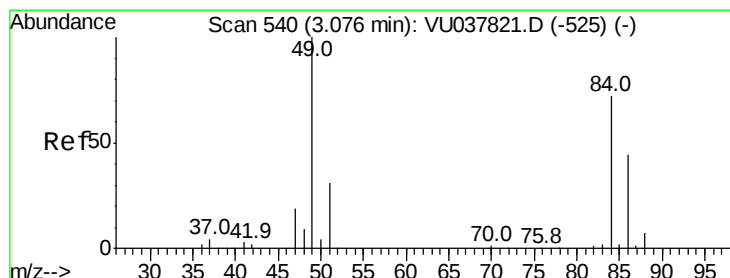
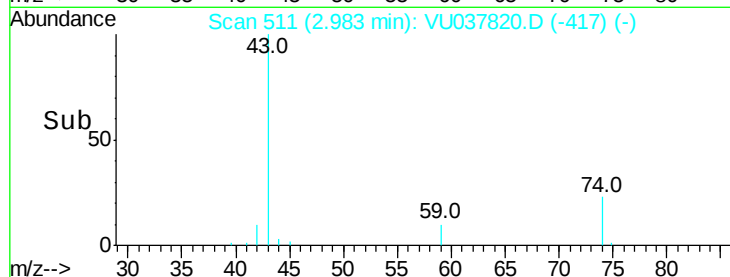
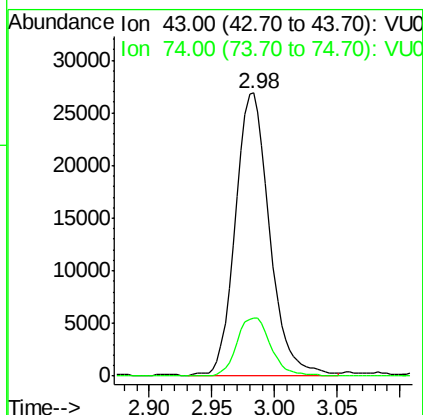
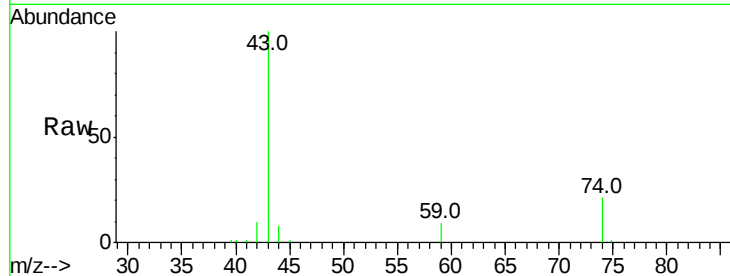




#15
Methyl Acetate
Concen: 10.270 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

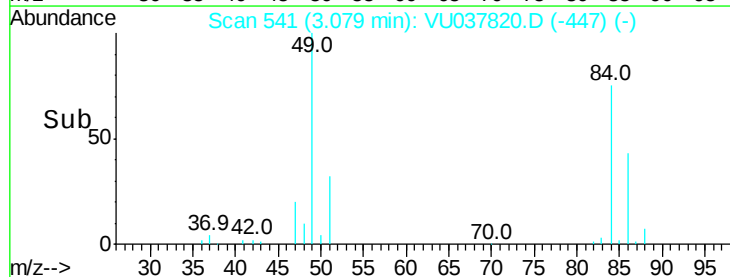
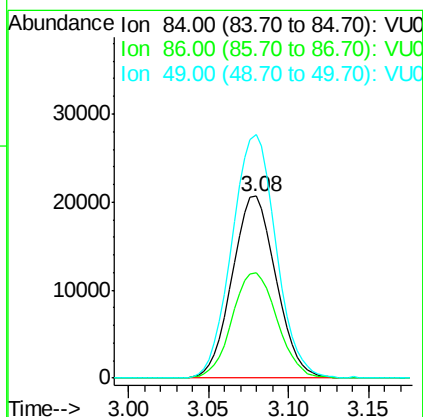
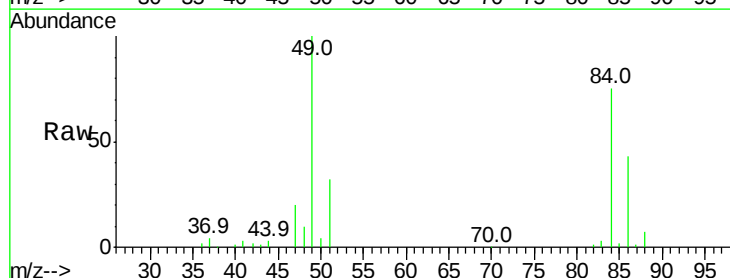
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

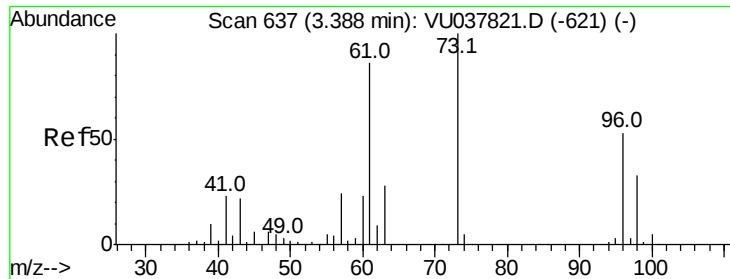
Tgt Ion: 43 Resp: 51333
Ion Ratio Lower Upper
43 100
74 20.5 16.6 24.8



#16
Methylene chloride
Concen: 10.567 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion: 84 Resp: 38779
Ion Ratio Lower Upper
84 100
86 57.6 43.2 80.2
49 134.0 97.8 181.6

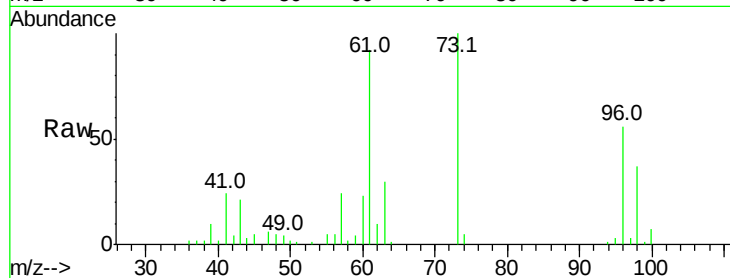




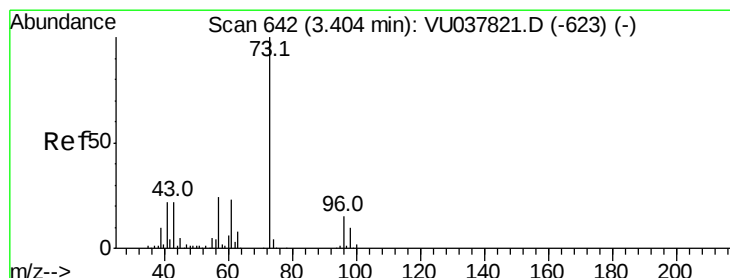
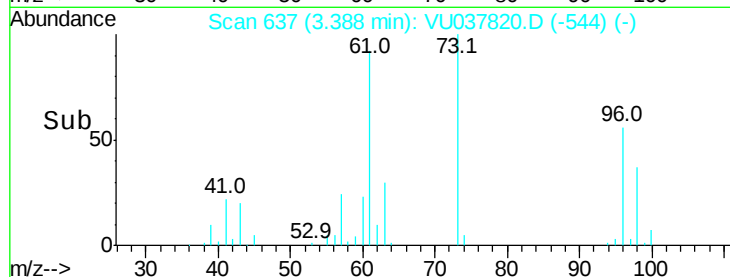
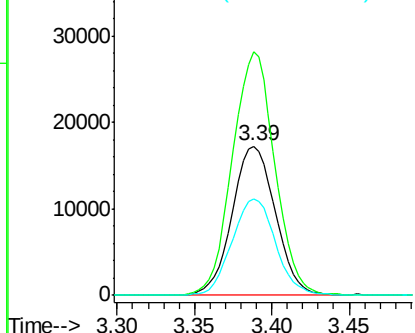
#17
trans-1,2-Dichloroethene
Concen: 9.742 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion: 96 Resp: 33571
Ion Ratio Lower Upper
96 100
61 163.4 113.1 210.1
98 64.6 43.5 80.7

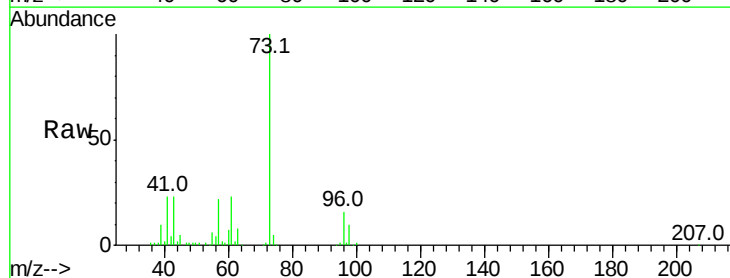


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

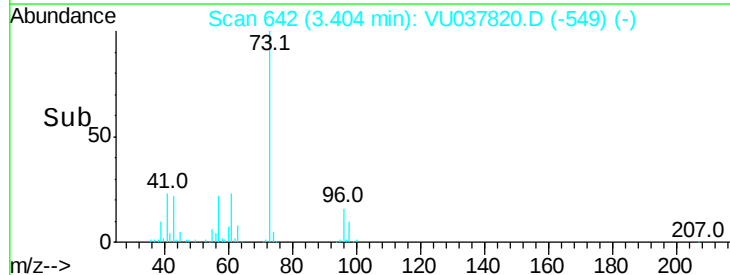
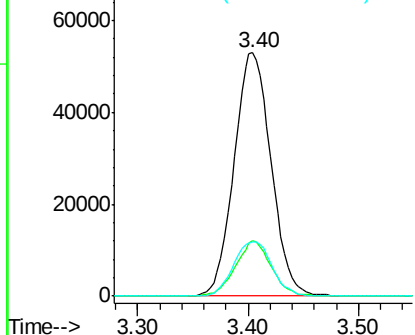


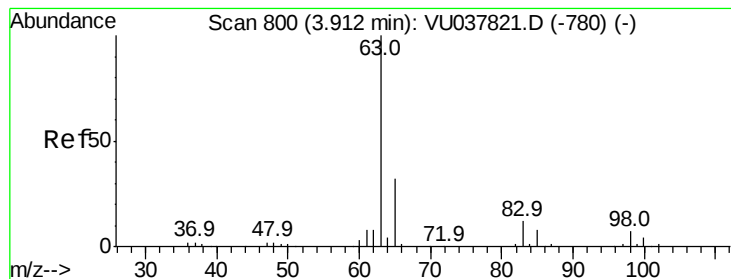
#18
Methyl tert-butyl Ether
Concen: 10.331 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion: 73 Resp: 122893
Ion Ratio Lower Upper
73 100
43 22.0 17.2 25.8
57 23.2 18.9 28.3



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: 10.688 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

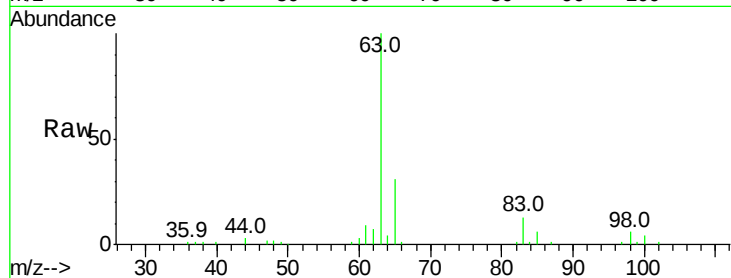
Tgt Ion: 63 Resp: 72205

Ion Ratio Lower Upper

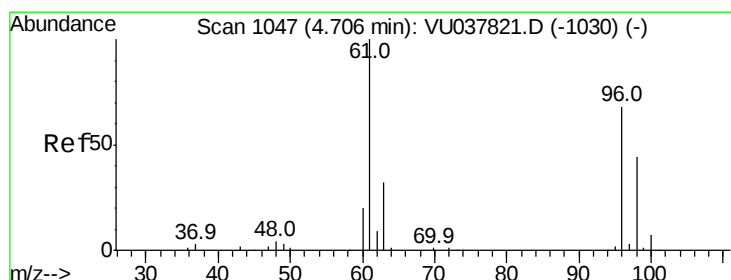
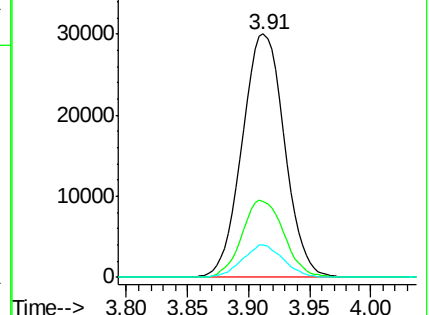
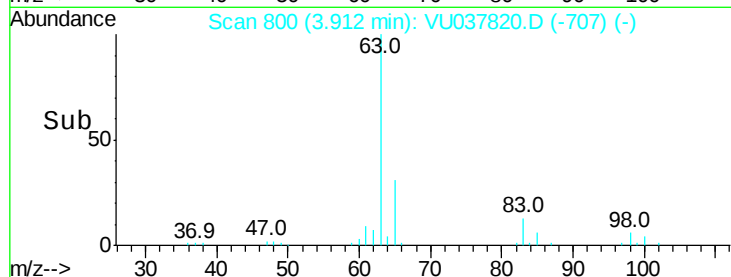
63 100

65 31.4 22.3 41.5

83 13.2 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU037820.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.198 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

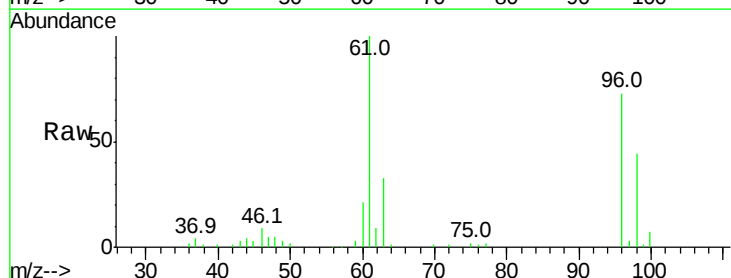
Tgt Ion: 96 Resp: 38639

Ion Ratio Lower Upper

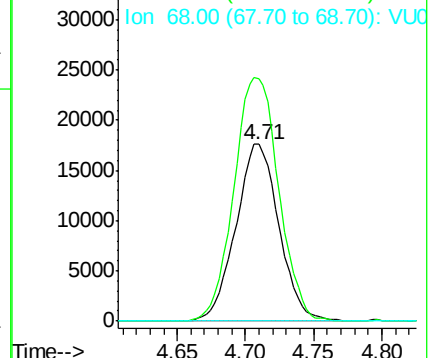
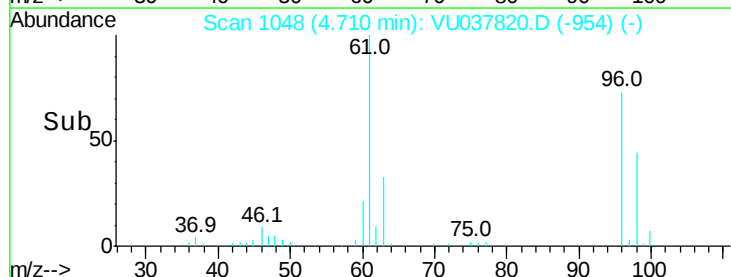
96 100

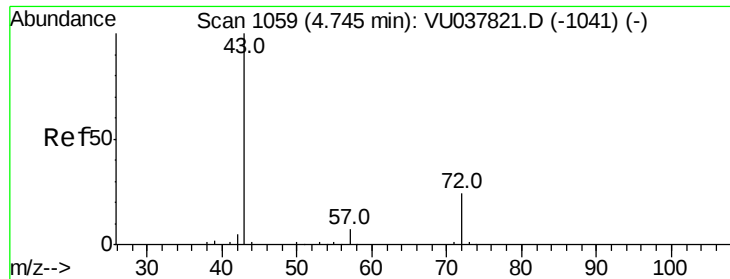
61 137.3 102.6 190.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037820.D (-954) (-)





#22

2-Butanone

Concen: 20.145 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

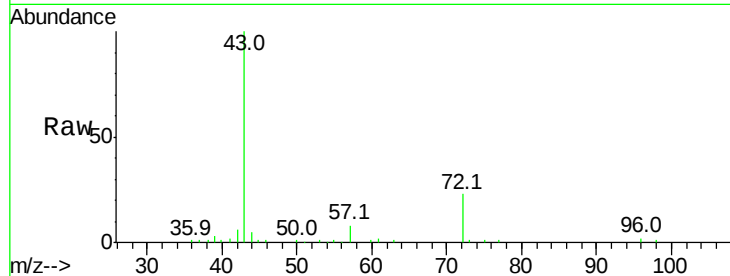
VSTD01033

Tgt Ion: 43 Resp: 74112

Ion Ratio Lower Upper

43 100

72 24.0 12.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU037820.D (-1060) (-)

Ion 72.00 (71.70 to 72.70): VU037820.D (-1060) (-)

4.75

30000

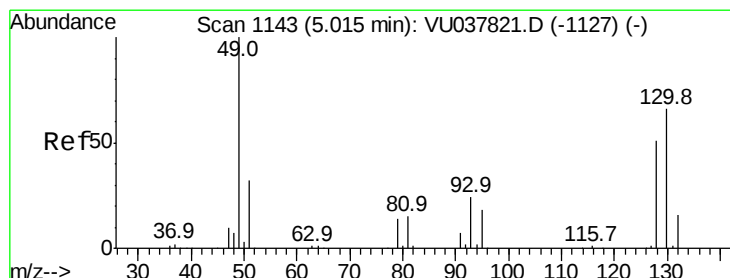
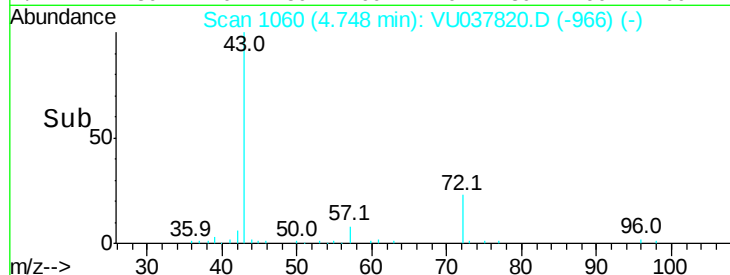
20000

10000

0

Time-->

4.65 4.70 4.75 4.80 4.85



#23

Bromochloromethane

Concen: 9.939 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Tgt Ion: 128 Resp: 18353

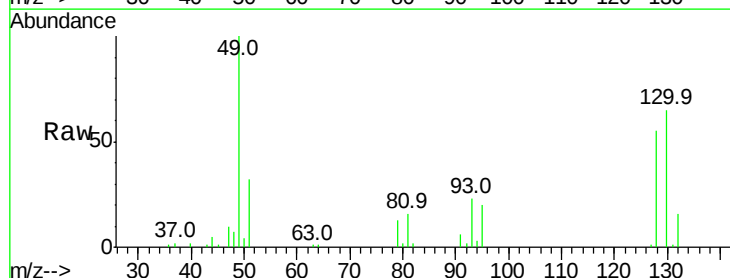
Ion Ratio Lower Upper

128 100

49 181.8 138.3 256.9

130 118.7 91.1 169.1

51 58.0 50.4 75.6



Abundance Ion 128.00 (127.70 to 128.70): VU037820.D (-1143) (-)

Ion 49.00 (48.70 to 49.70): VU037820.D (-1143) (-)

Ion 130.00 (129.70 to 130.70): VU037820.D (-1143) (-)

Ion 51.00 (50.70 to 51.70): VU037820.D (-1143) (-)

5.02

25000

20000

15000

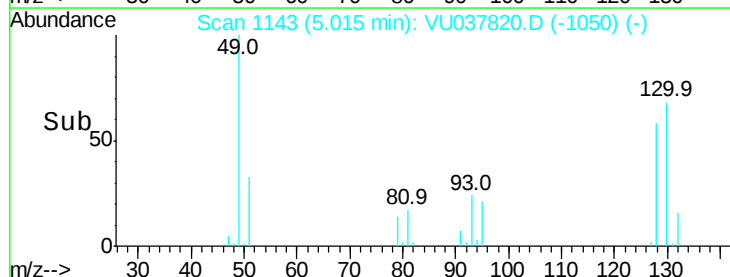
10000

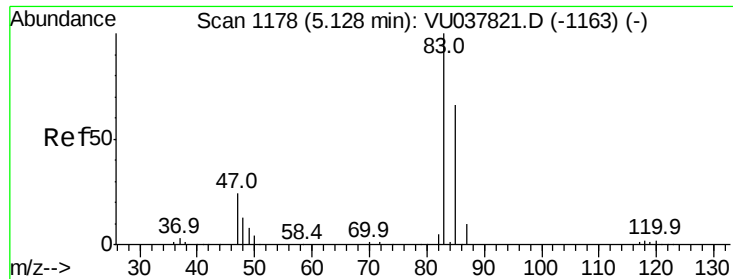
5000

0

Time-->

4.95 5.00 5.05

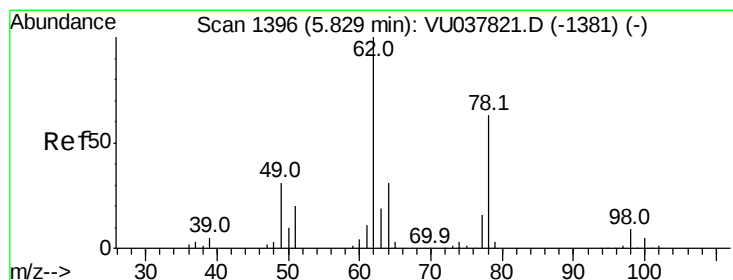
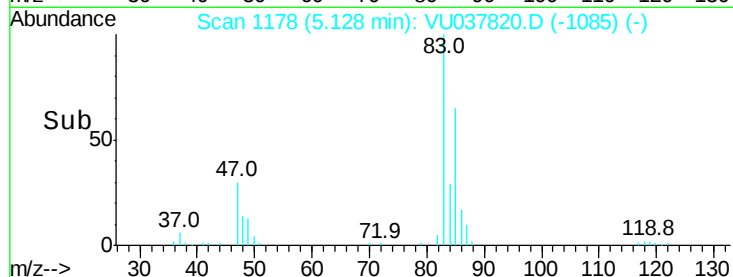
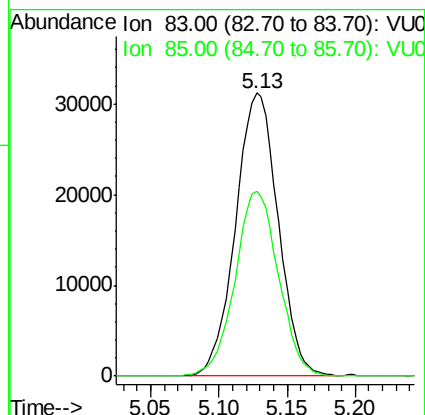
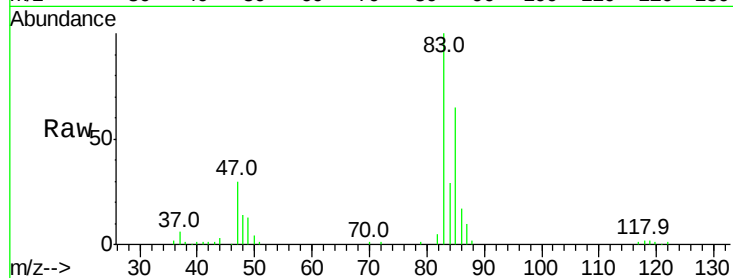




#25
Chloroform
Concen: 10.627 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

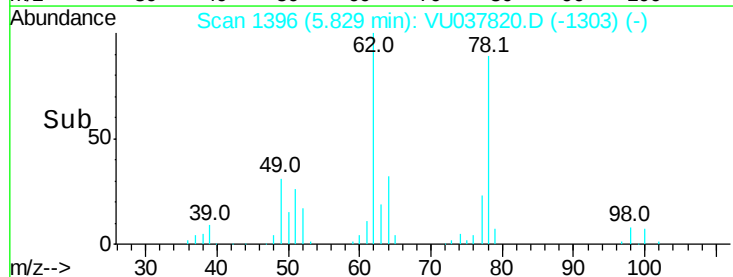
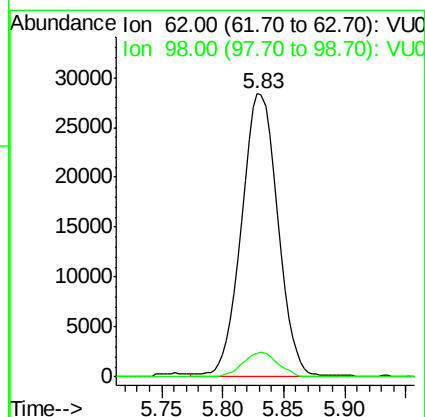
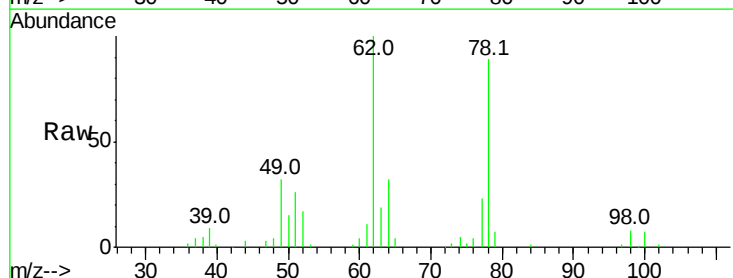
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

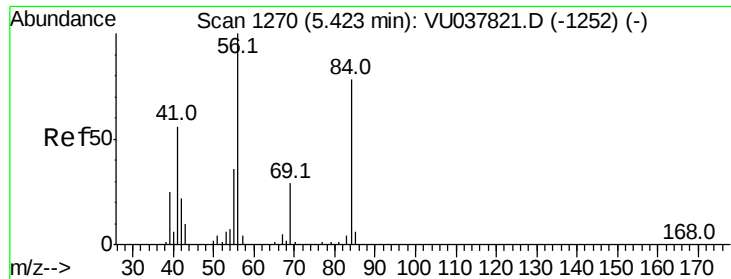
Tgt Ion: 83 Resp: 67554
Ion Ratio Lower Upper
83 100
85 65.1 46.9 87.1



#27
1,2-Dichloroethane
Concen: 11.164 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion: 62 Resp: 58696
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

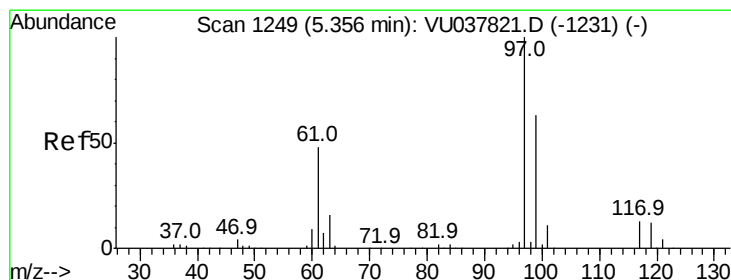
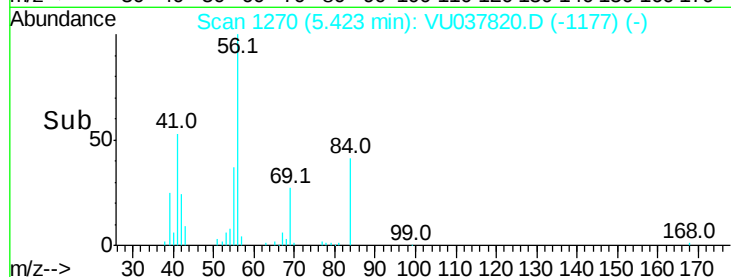
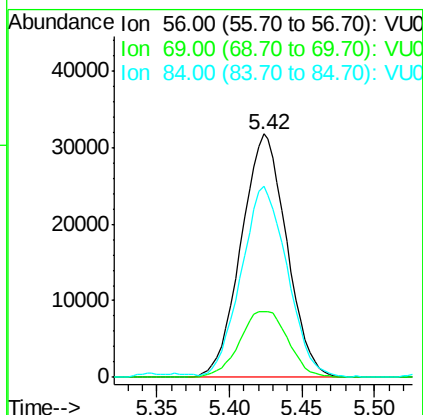
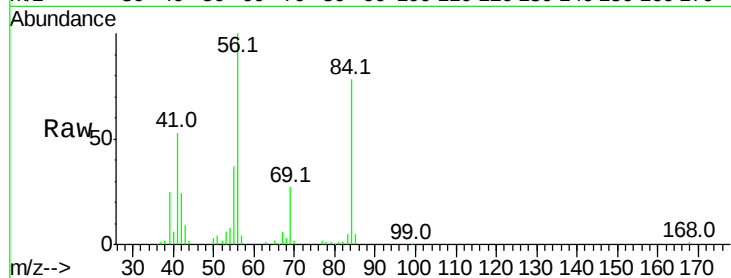




#29
Cyclohexane
Concen: 10.435 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

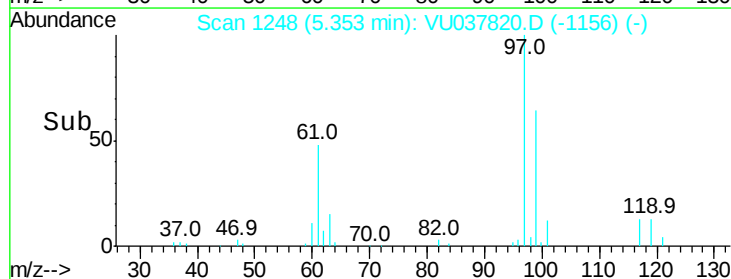
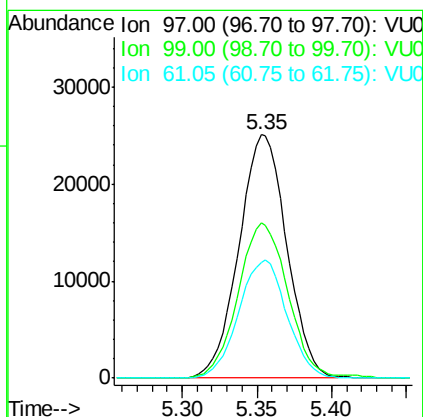
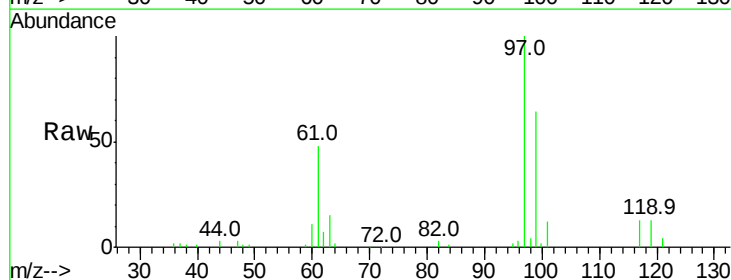
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

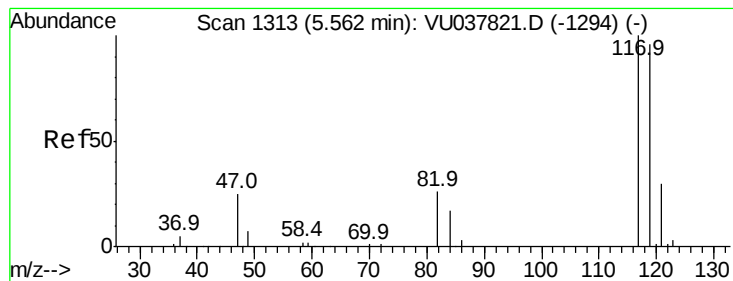
Tgt Ion: 56 Resp: 69344
Ion Ratio Lower Upper
56 100
69 15.2 23.3 34.9#
84 79.5 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 10.173 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion: 97 Resp: 55726
Ion Ratio Lower Upper
97 100
99 66.1 50.7 76.1
61 48.9 38.3 57.5





#31

Carbon tetrachloride

Concen: 10.042 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

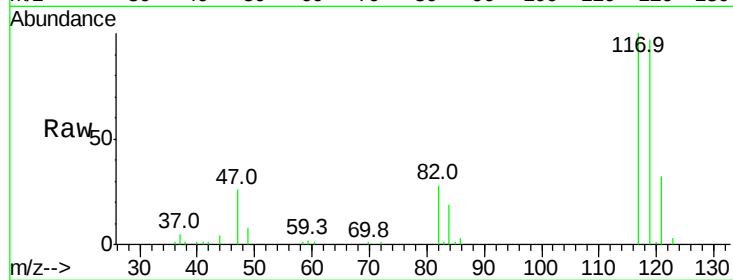
VSTD01033

Tgt Ion:117 Resp: 44652

Ion Ratio Lower Upper

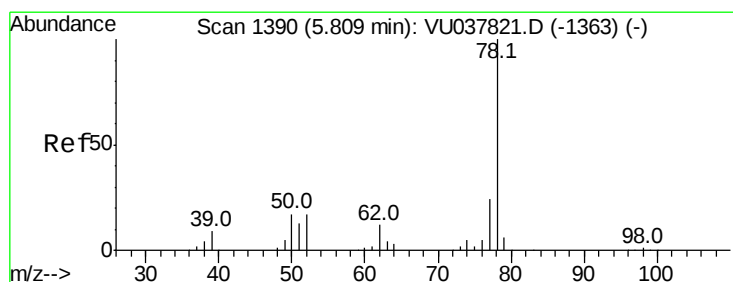
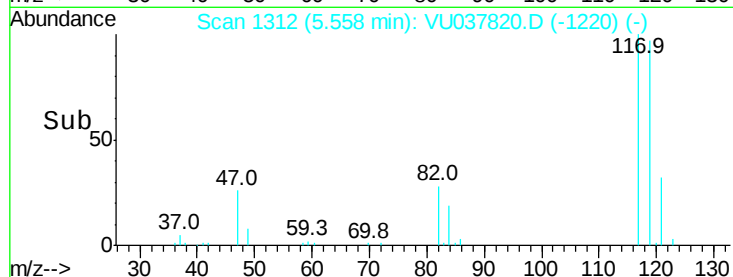
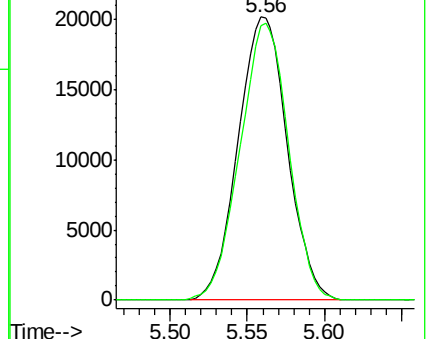
117 100

119 96.5 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.366 ug/L

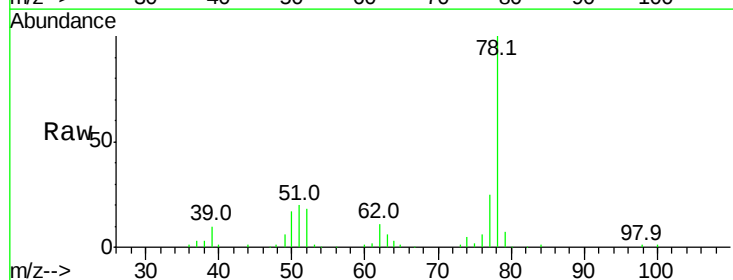
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

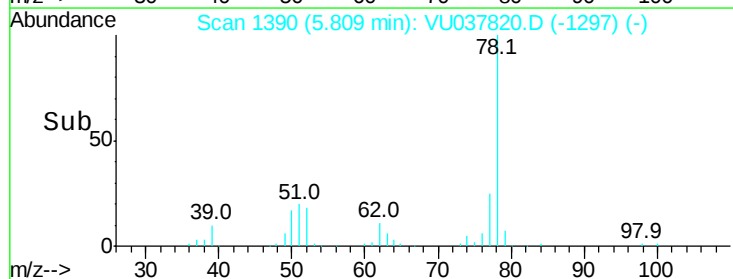
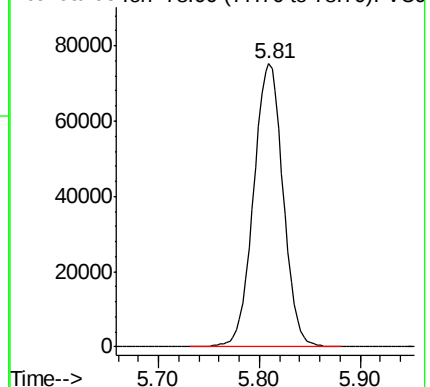
Lab File: VU037820.D

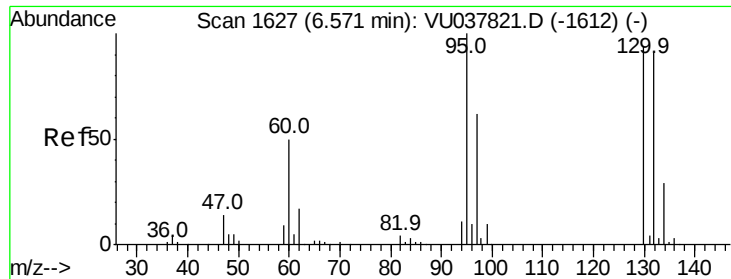
Acq: 21 Apr 2020 12:39

Tgt Ion: 78 Resp: 152447



Abundance Ion 78.00 (77.70 to 78.70): VU0

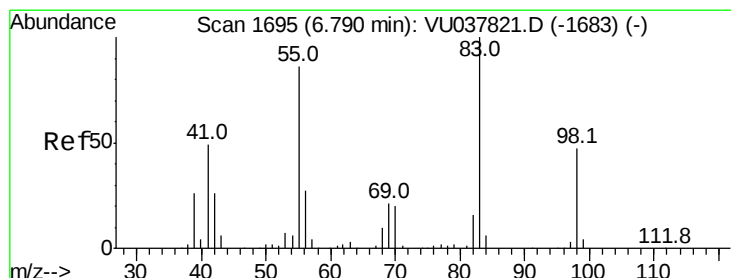
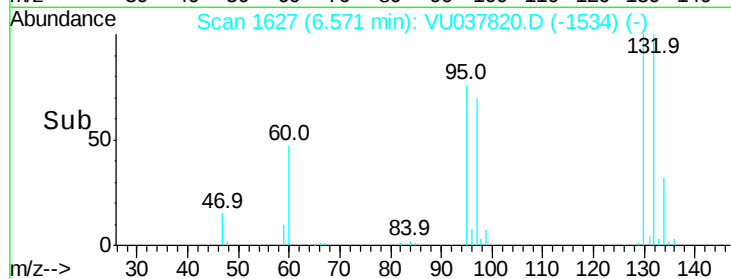
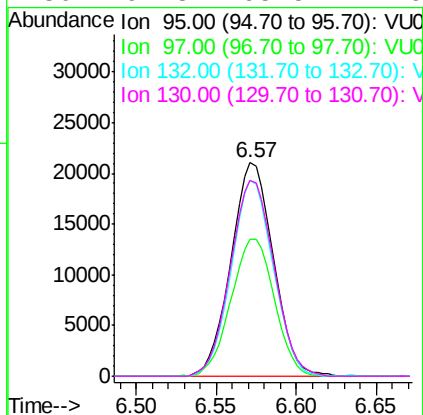
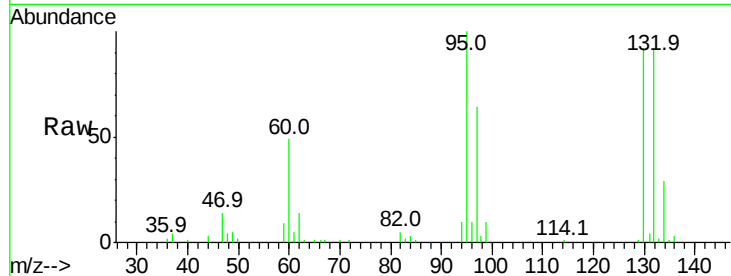




#34
 Trichloroethene
 Concen: 10.522 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

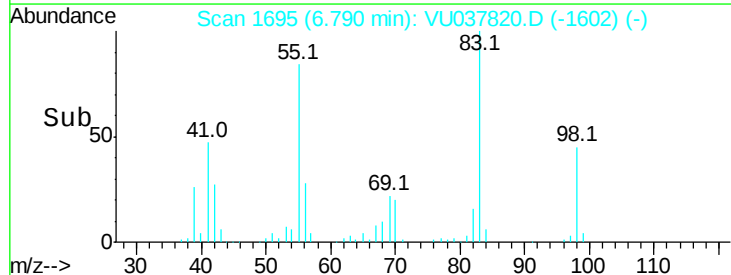
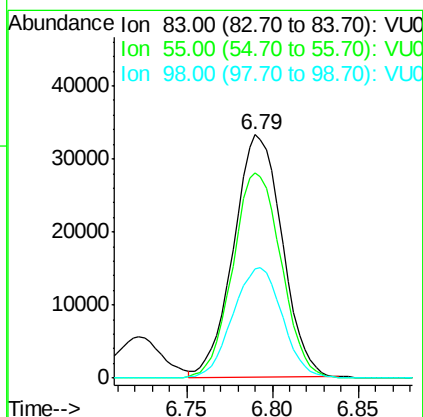
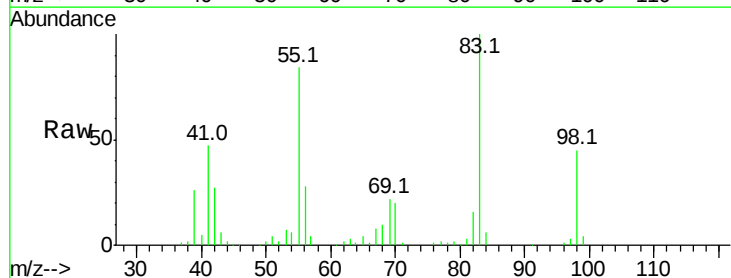
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

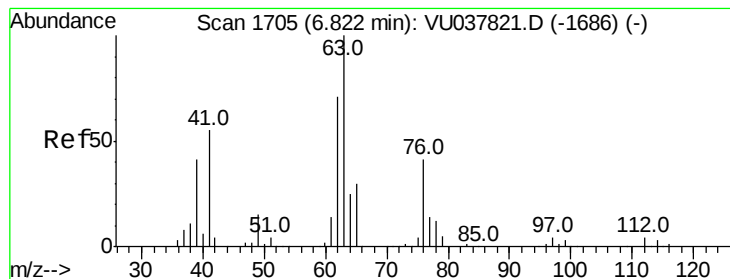
Tgt Ion:	95	Resp:	38094
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.1	80.1
132	91.6	63.6	118.2
130	91.8	65.5	121.6



#35
 Methylcyclohexane
 Concen: 10.134 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion:	83	Resp:	65099
Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.3	100.9
98	46.4	36.9	55.3





#37

1,2-Dichloropropane

Concen: 10.692 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

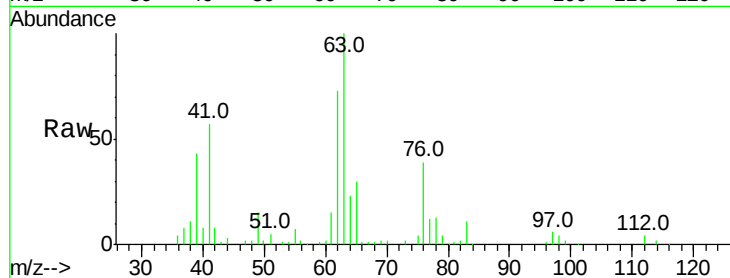
VSTD01033

Tgt Ion: 63 Resp: 43205

Ion Ratio Lower Upper

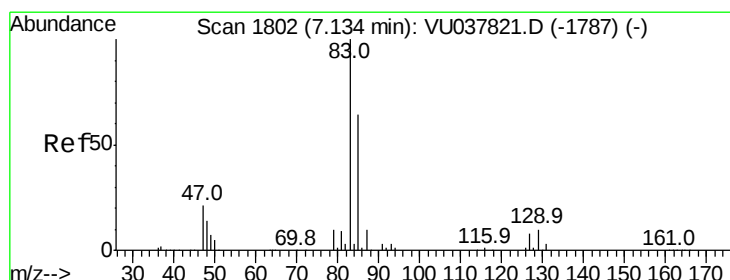
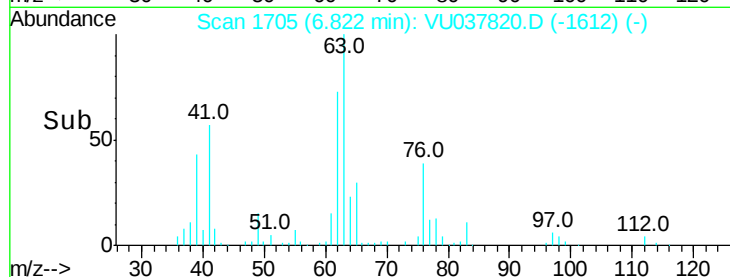
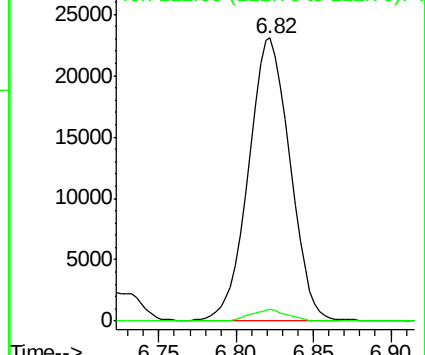
63 100

112 3.6 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 10.084 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

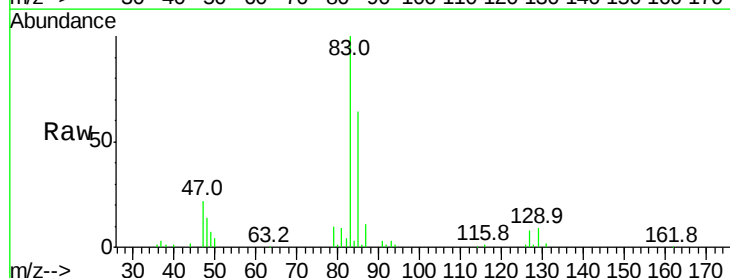
Tgt Ion: 83 Resp: 50162

Ion Ratio Lower Upper

83 100

85 63.8 44.7 83.1

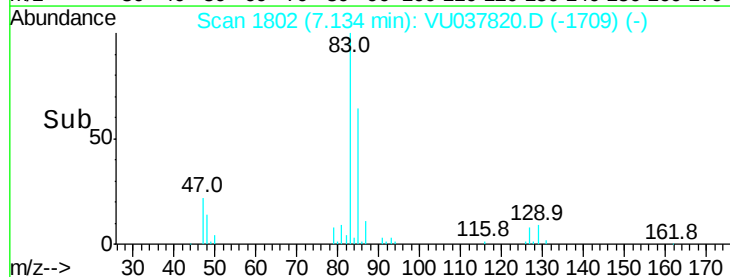
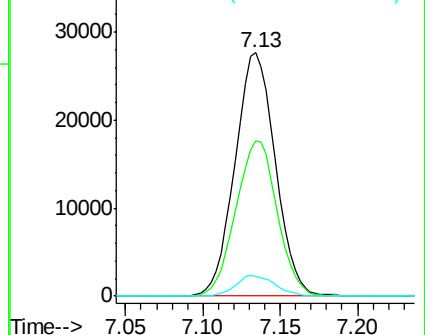
127 8.3 6.3 9.5

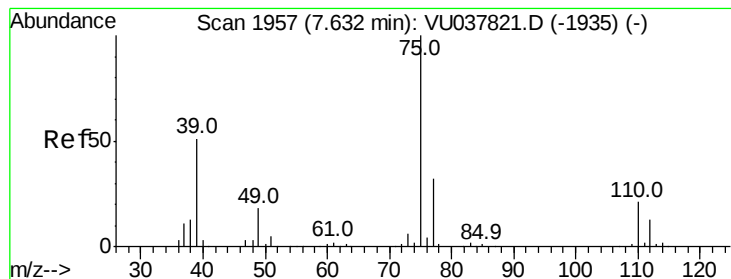


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



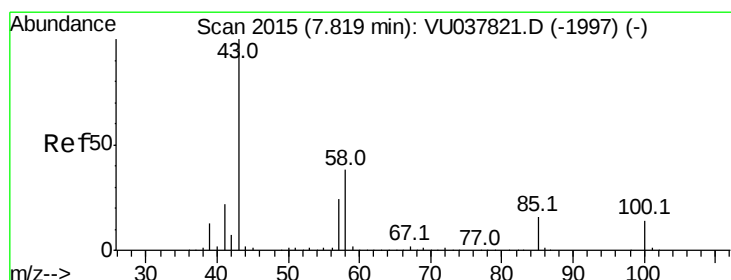
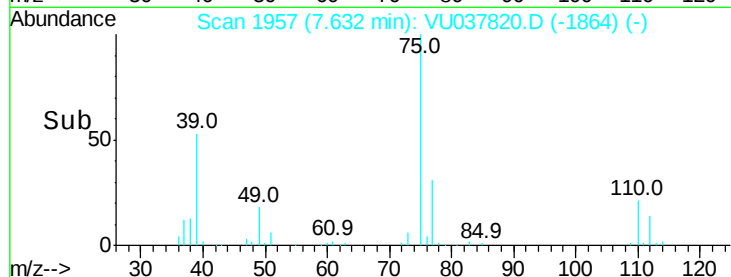
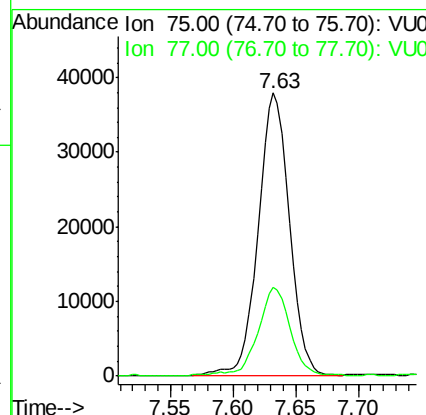
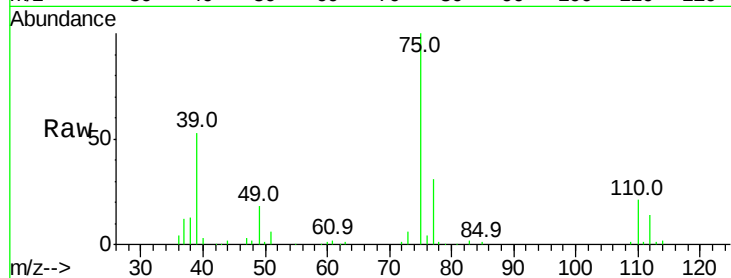


#39

cis-1,3-Dichloropropene
 Concen: 9.981 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

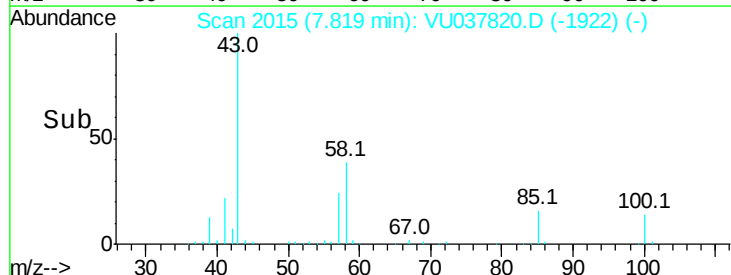
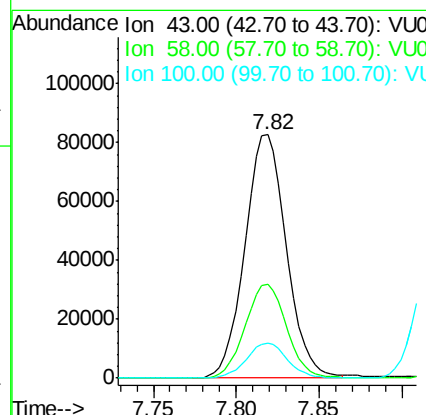
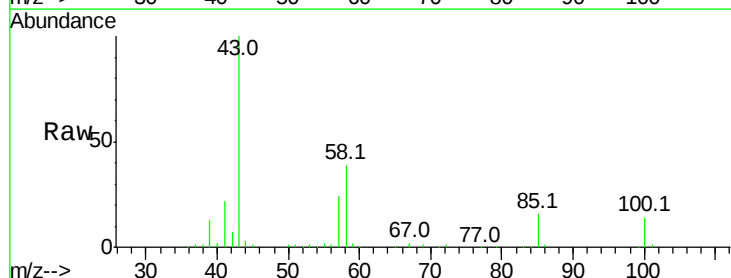
Tgt Ion: 75 Resp: 66018
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3

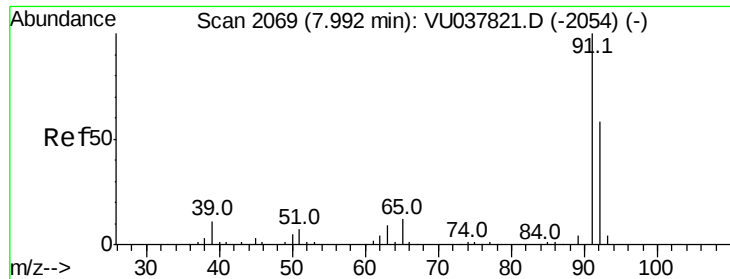


#40

4-Methyl-2-pentanone
 Concen: 20.051 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion: 43 Resp: 143903
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.5 45.7
 100 14.2 11.0 16.4





#42

Toluene

Concen: 10.286 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

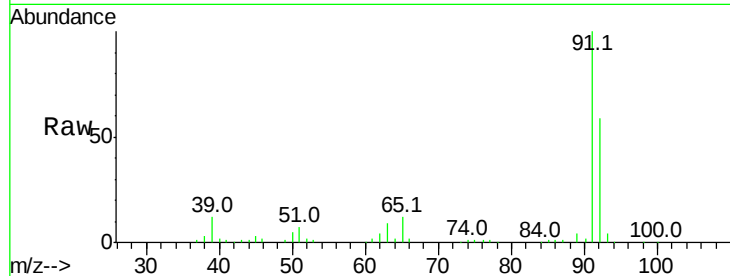
VSTD01033

Tgt Ion: 91 Resp: 160690

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU037820.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037820.D (-1976) (-)

7.99

100000

80000

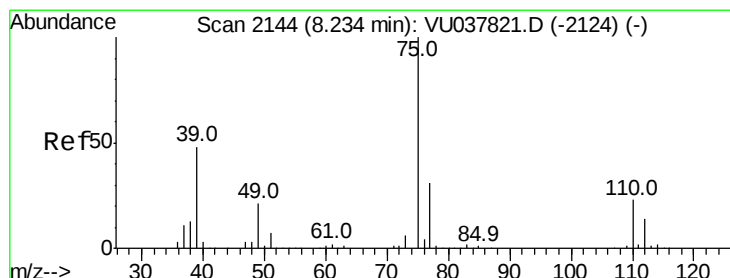
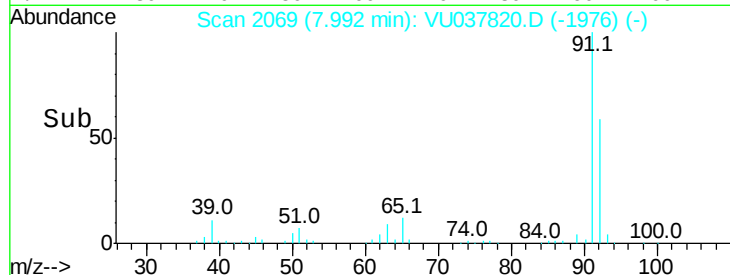
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 9.883 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037820.D

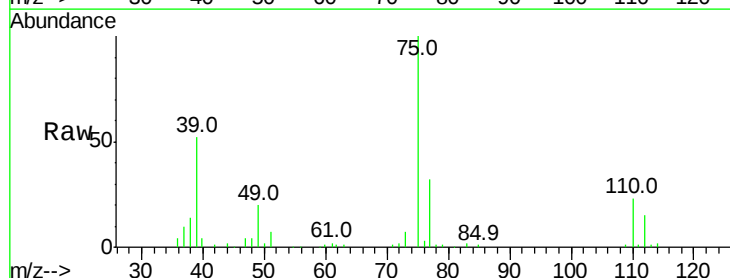
Acq: 21 Apr 2020 12:39

Tgt Ion: 75 Resp: 63361

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU037820.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037820.D (-2051) (-)

8.23

40000

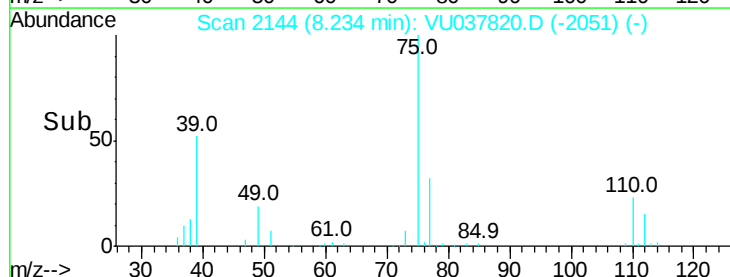
30000

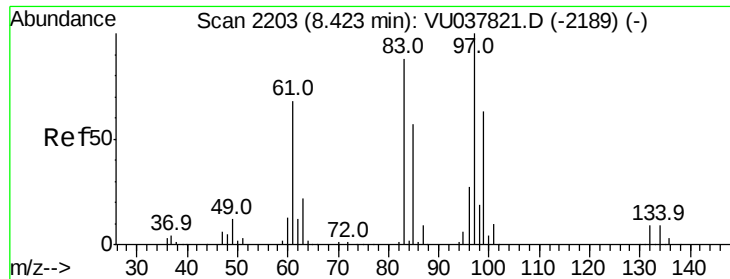
20000

10000

0

Time--> 8.15 8.20 8.25 8.30

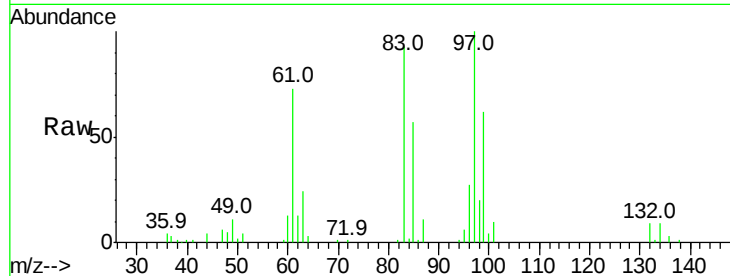




#45
 1,1,2-Trichloroethane
 Concen: 10.108 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	36445
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.1	81.9
83	92.9	61.6	114.4
85	56.9	40.0	74.2



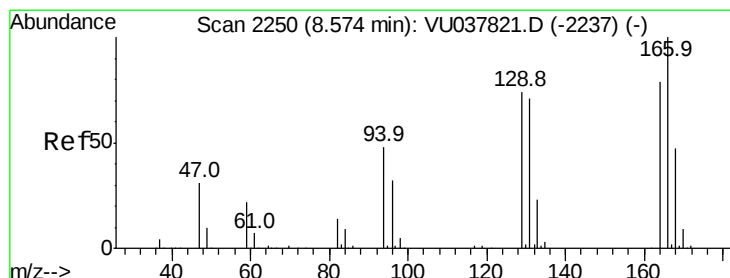
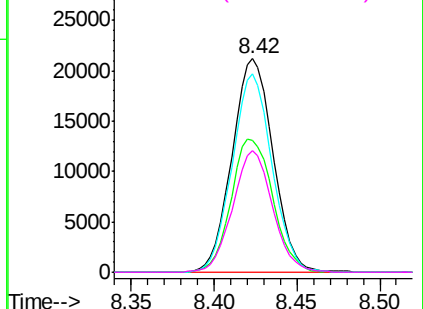
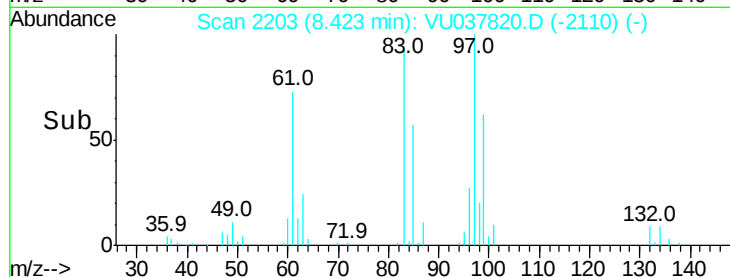
Abundance

Ion 97.00 (96.70 to 97.70): VU037820.D (-2110) (-)

Ion 99.00 (98.70 to 99.70): VU037820.D (-2110) (-)

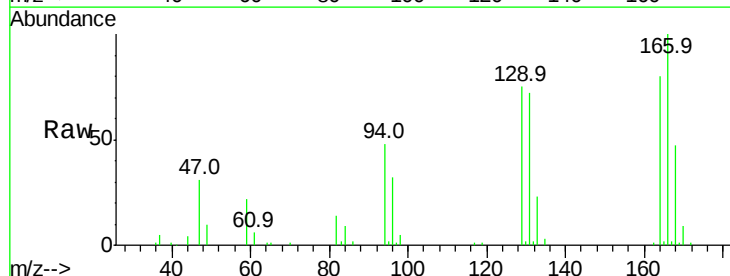
Ion 83.00 (82.70 to 83.70): VU037820.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037820.D (-2110) (-)



#46
 Tetrachloroethene
 Concen: 9.986 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion:	164	Resp:	26899
Ion	Ratio	Lower	Upper
164	100		
129	94.4	65.9	122.5
131	90.5	62.9	116.9
166	125.1	88.8	164.8



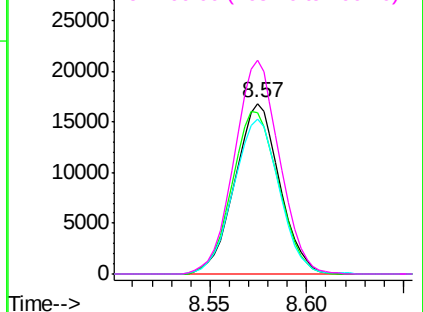
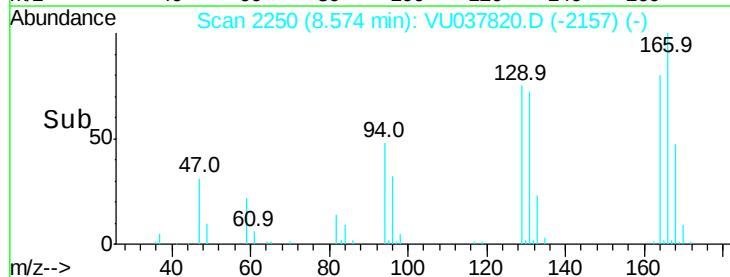
Abundance

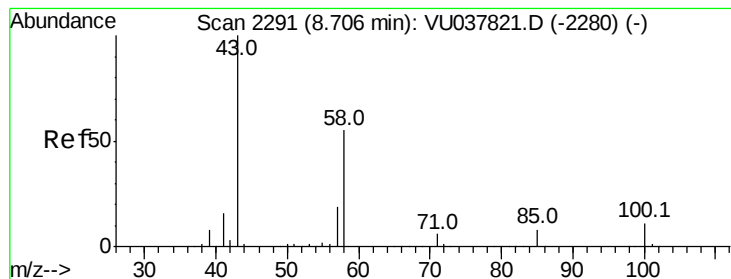
Ion 164.00 (163.70 to 164.70): VU037820.D (-2157) (-)

Ion 129.00 (128.70 to 129.70): VU037820.D (-2157) (-)

Ion 131.00 (130.70 to 131.70): VU037820.D (-2157) (-)

Ion 166.00 (165.70 to 166.70): VU037820.D (-2157) (-)





#48

2-Hexanone

Concen: 20.257 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion: 43 Resp: 114798

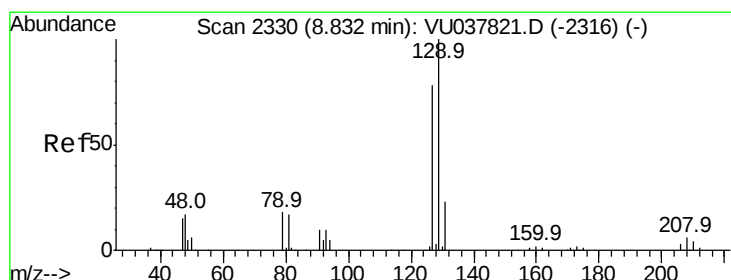
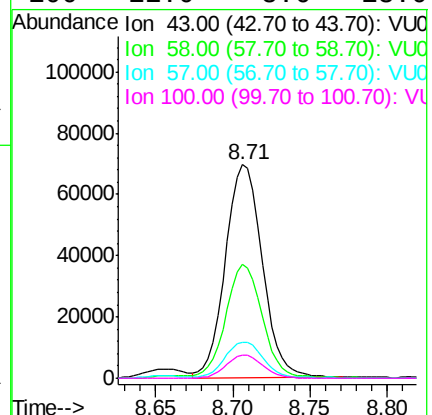
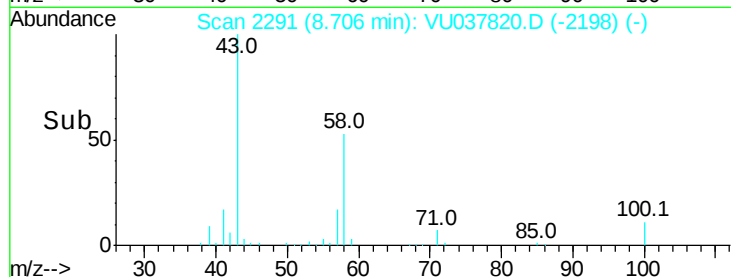
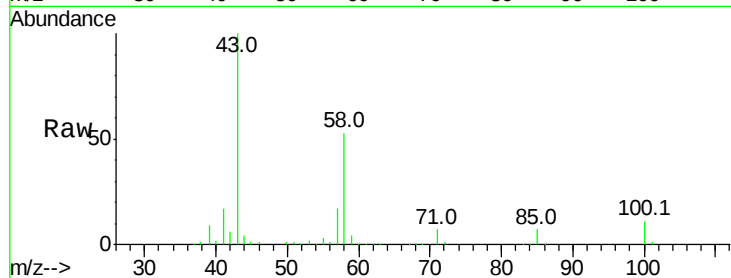
Ion Ratio Lower Upper

43 100

58 52.8 43.0 64.4

57 18.0 15.1 22.7

100 11.0 8.6 13.0



#49

Dibromochloromethane

Concen: 9.757 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU037820.D

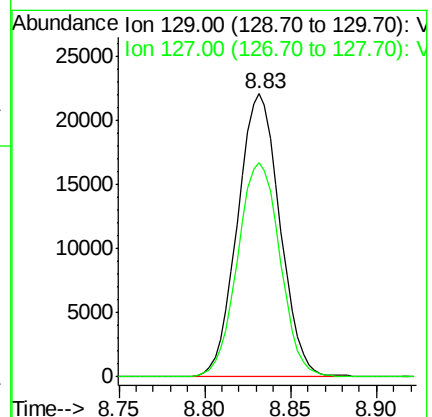
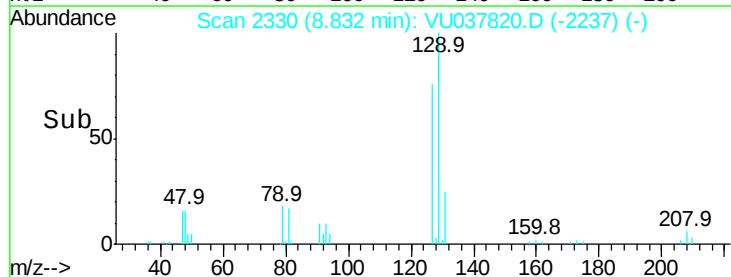
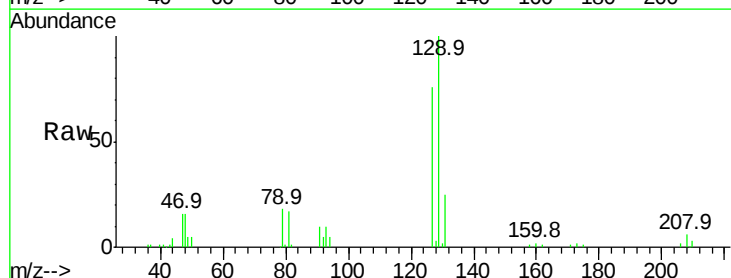
Acq: 21 Apr 2020 12:39

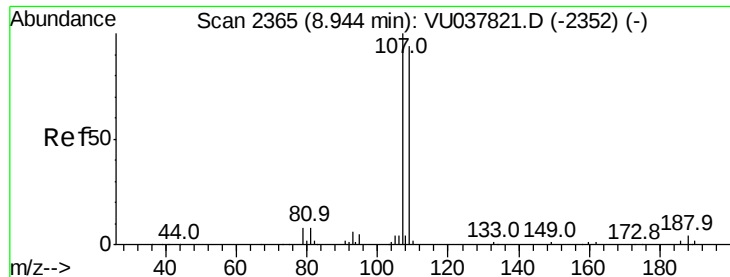
Tgt Ion: 129 Resp: 37724

Ion Ratio Lower Upper

129 100

127 75.7 54.5 101.1

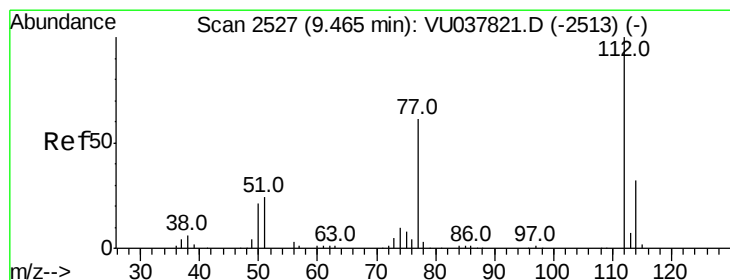
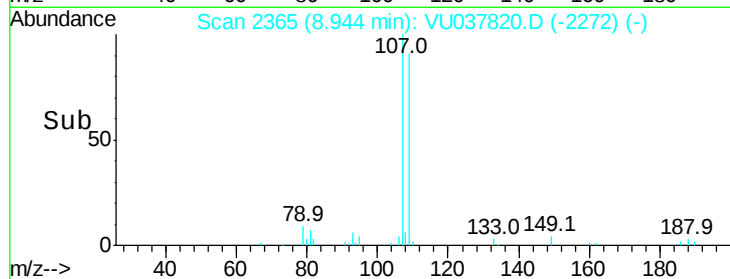
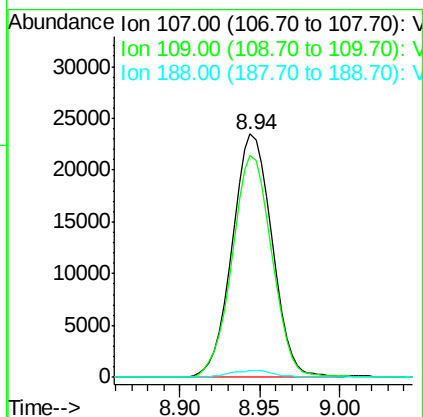
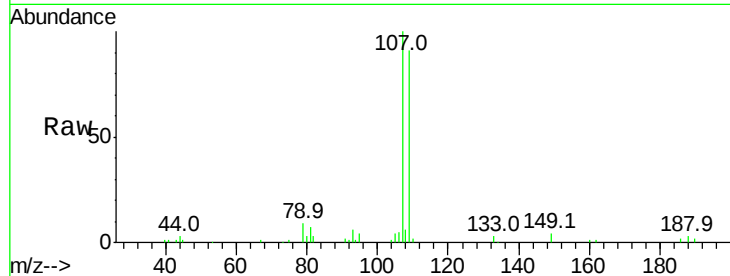




#50
1,2-Dibromoethane
Concen: 10.204 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

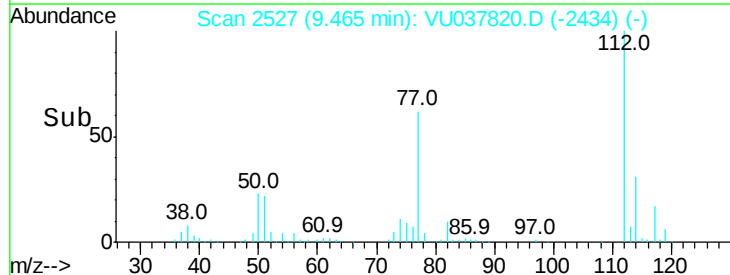
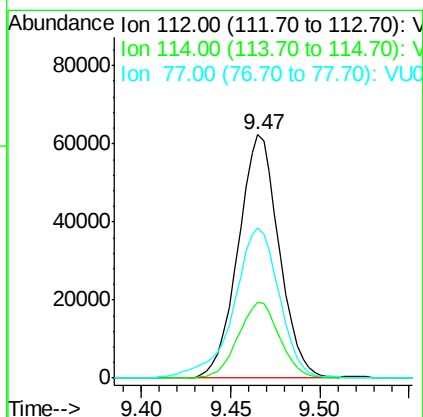
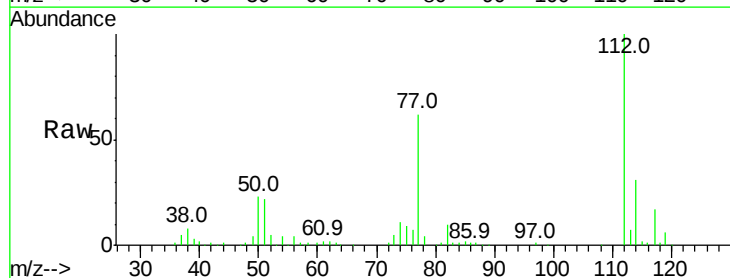
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

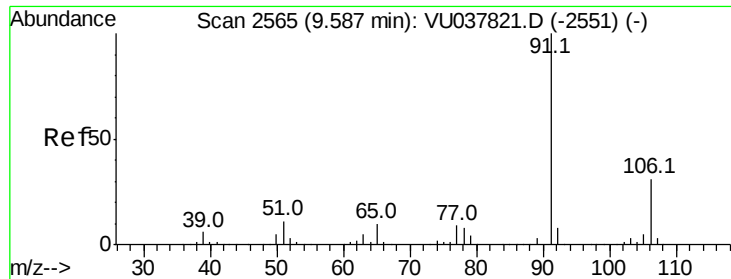
Tgt Ion:107 Resp: 39809
Ion Ratio Lower Upper
107 100
109 91.1 65.6 121.8
188 2.6 2.9 4.3#



#51
Chlorobenzene
Concen: 10.231 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion:112 Resp: 99822
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 61.5 49.1 73.7





#52

Ethylbenzene

Concen: 10.106 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

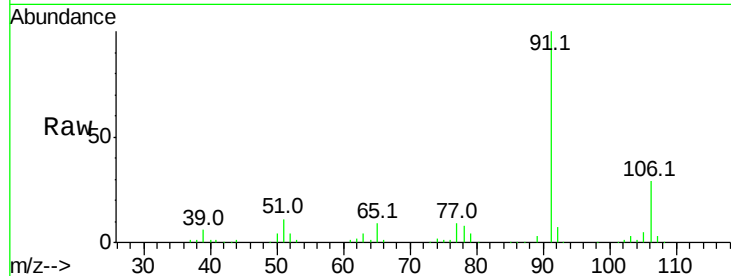
VSTD01033

Tgt Ion: 91 Resp: 177022

Ion Ratio Lower Upper

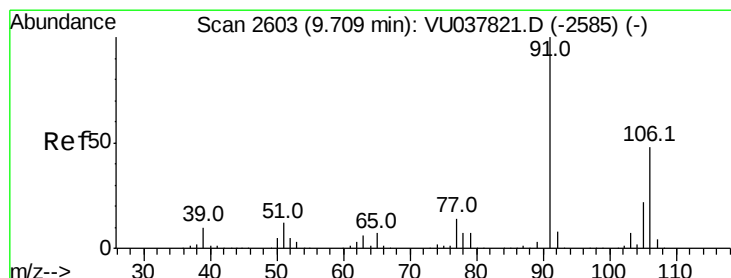
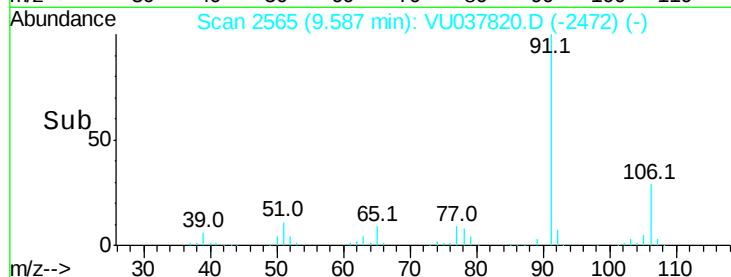
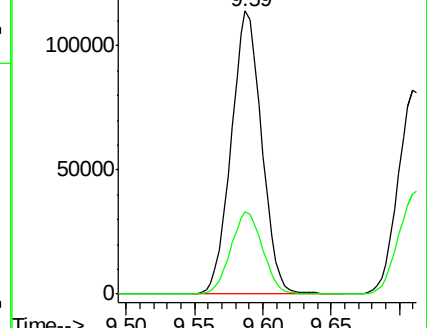
91 100

106 29.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU037820.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037820.D (-2551) (-)



#53

m,p-Xylene

Concen: 10.270 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037820.D

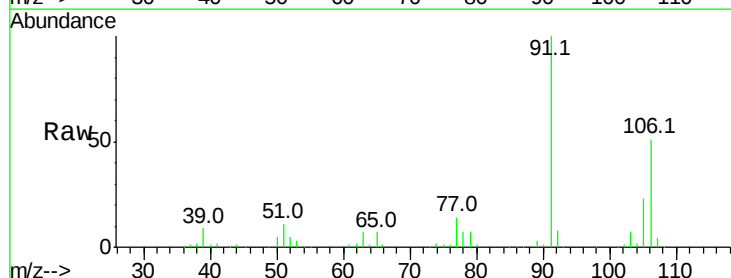
Acq: 21 Apr 2020 12:39

Tgt Ion: 106 Resp: 68301

Ion Ratio Lower Upper

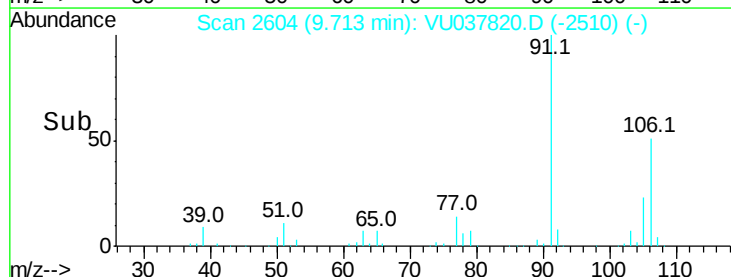
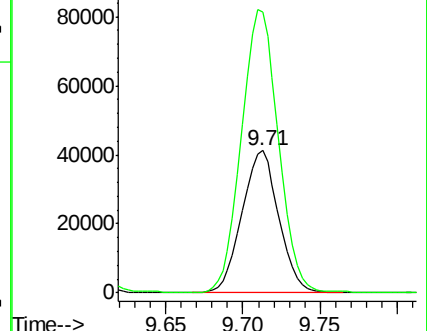
106 100

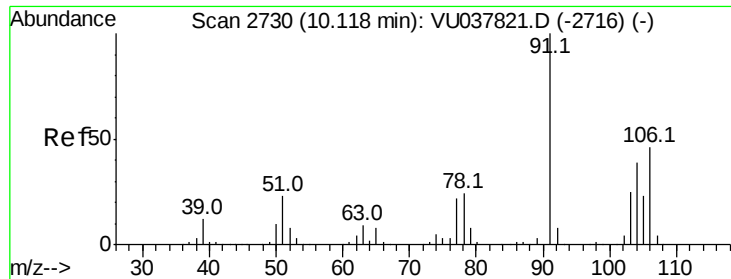
91 197.2 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): VU037820.D (-2603) (-)

Ion 91.00 (90.70 to 91.70): VU037820.D (-2603) (-)

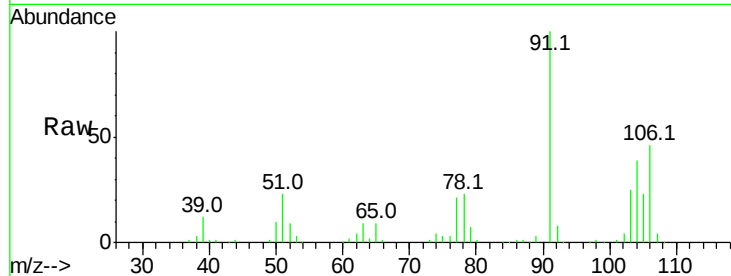




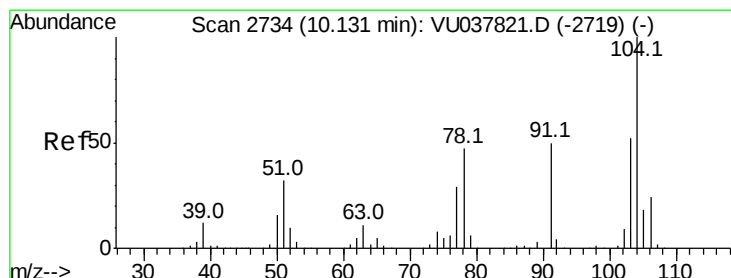
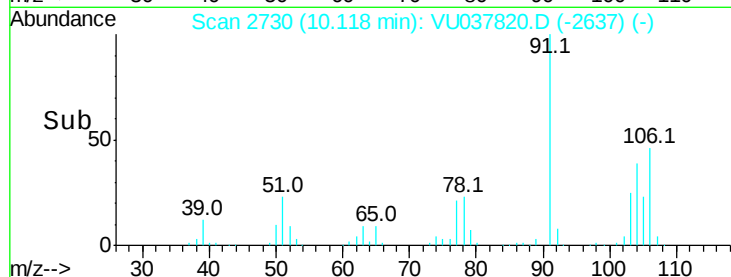
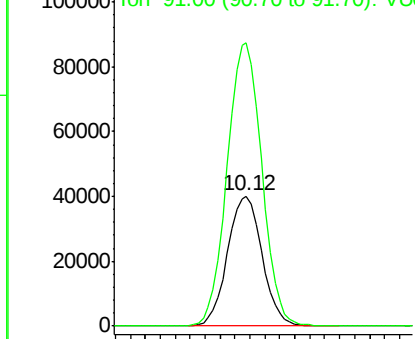
#54
o-xylene
Concen: 9.801 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion:106 Resp: 64651
Ion Ratio Lower Upper
106 100
91 217.7 153.0 284.2

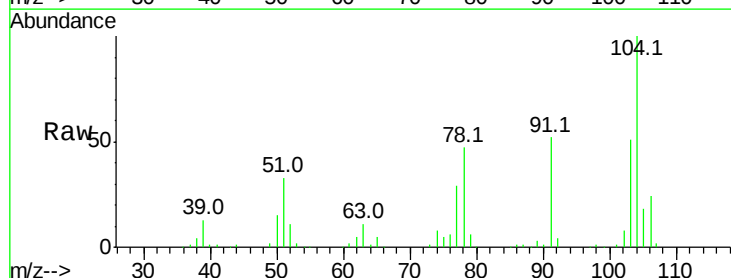


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

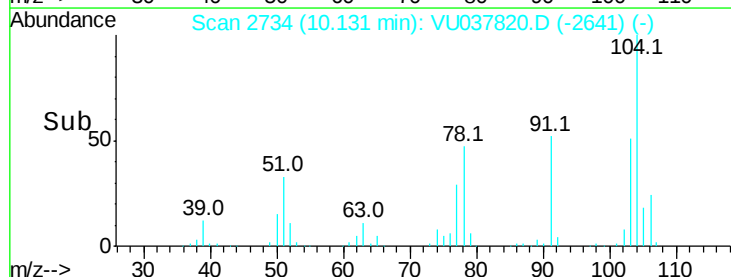
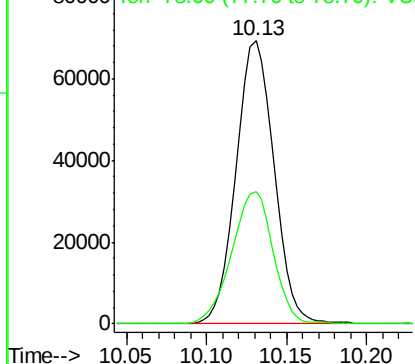


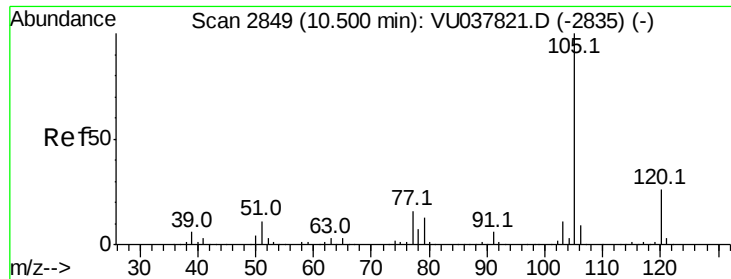
#55
Styrene
Concen: 9.818 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037820.D
Acq: 21 Apr 2020 12:39

Tgt Ion:104 Resp: 112285
Ion Ratio Lower Upper
104 100
78 46.9 33.1 61.5



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





#56

Isopropylbenzene

Concen: 9.907 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

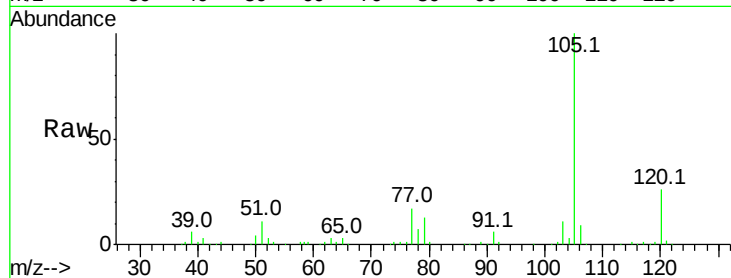
Tgt Ion:105 Resp: 170158

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

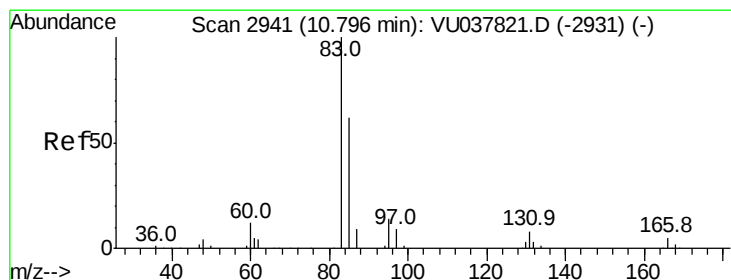
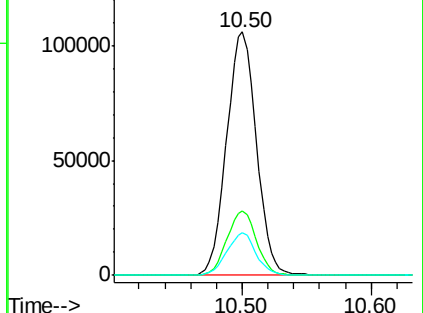
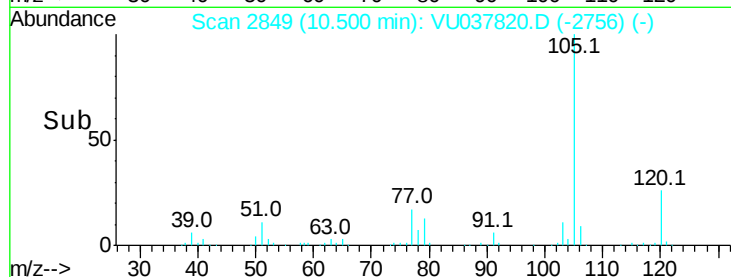
77 17.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.873 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

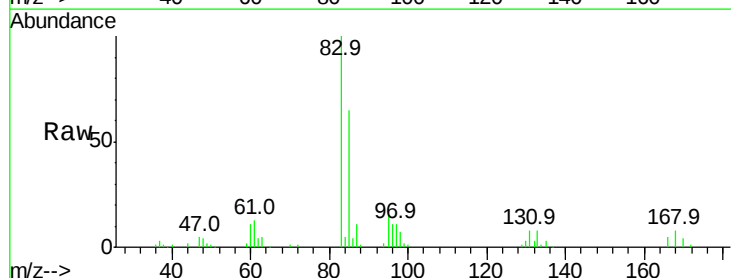
Tgt Ion: 83 Resp: 63565

Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

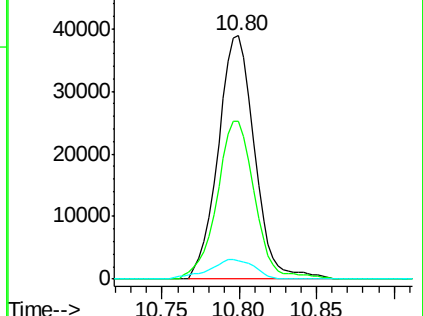
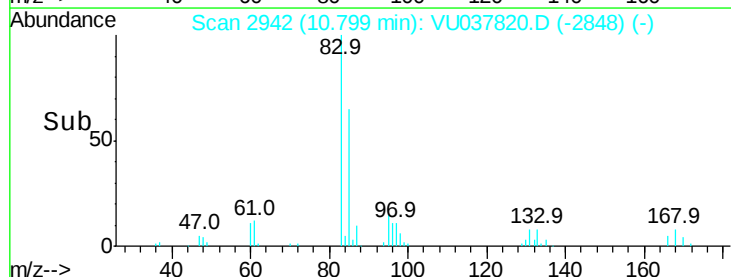
131 7.6 7.3 10.9

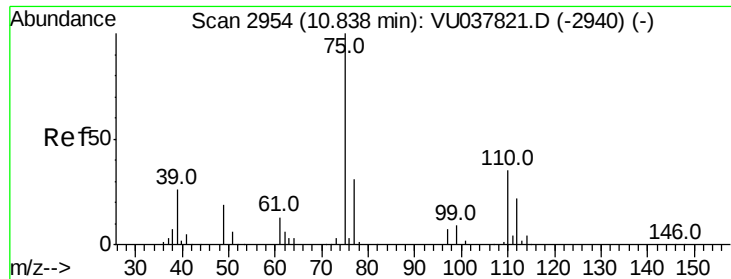


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.152 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

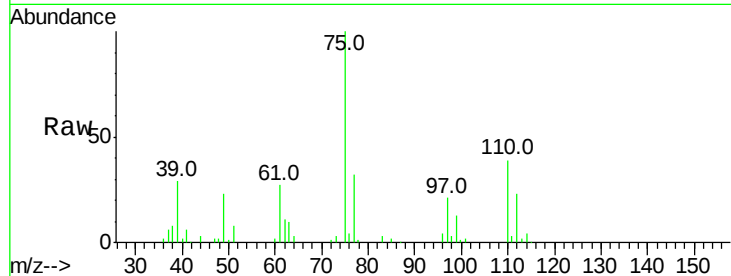
VSTD01033

Tgt Ion: 75 Resp: 55730

Ion Ratio Lower Upper

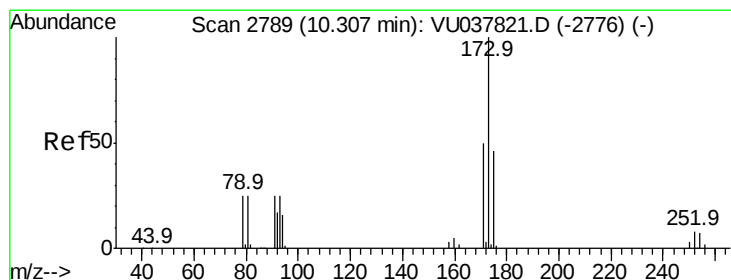
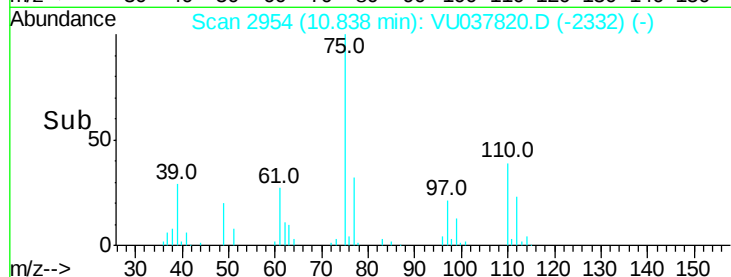
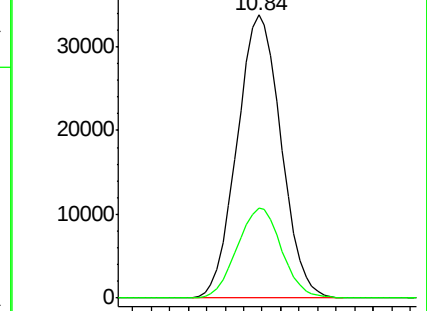
75 100

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU037821.D (-2940) (-)

Ion 77.00 (76.70 to 77.70): VU037821.D (-2940) (-)



#61

Bromoform

Concen: 8.900 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

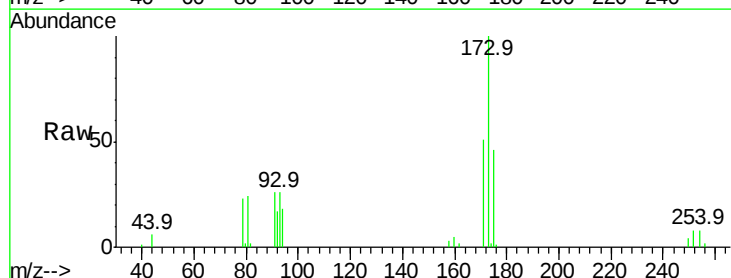
Tgt Ion: 173 Resp: 27242

Ion Ratio Lower Upper

173 100

175 46.9 37.4 56.2

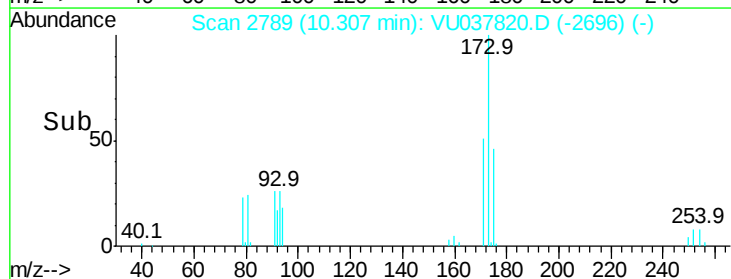
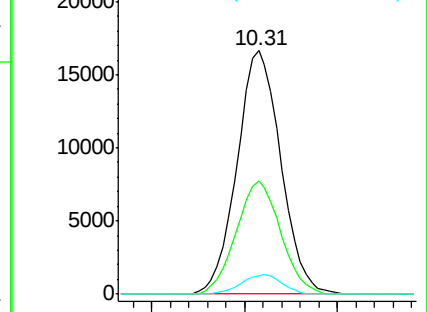
254 7.4 5.7 8.5

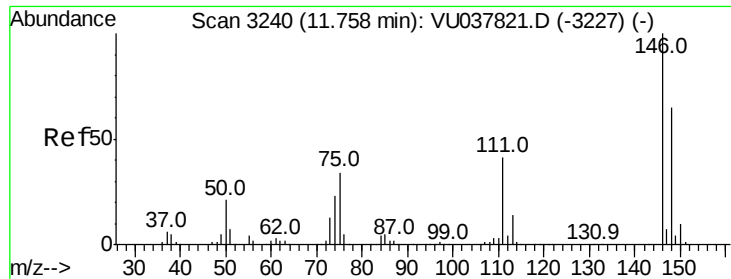


Abundance Ion 173.00 (172.70 to 173.70): VU037821.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037821.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037821.D (-2776) (-)

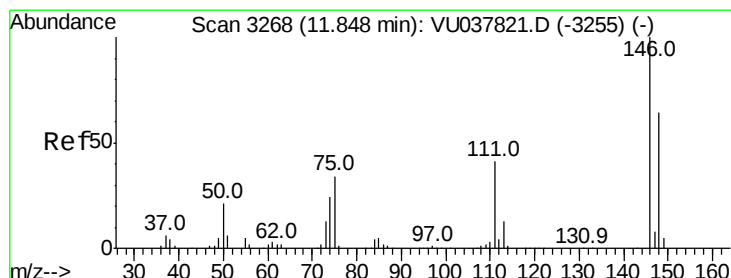
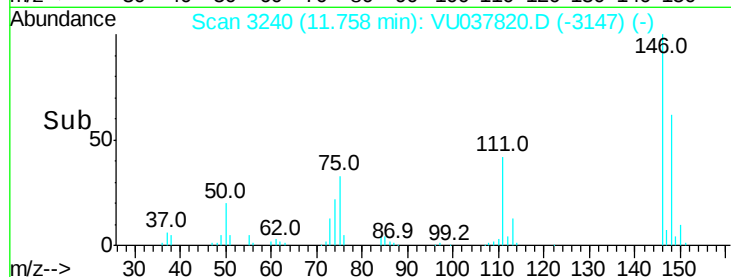
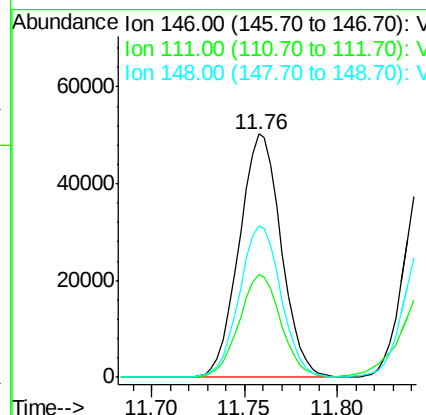
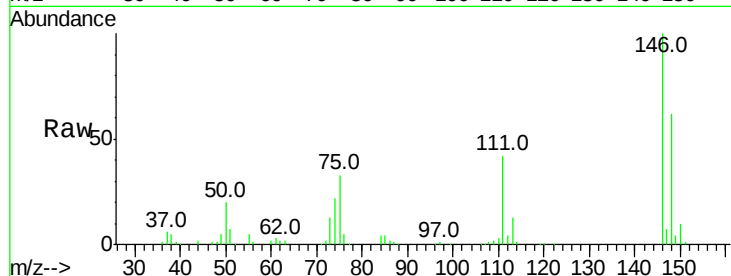




#62
 1,3-Dichlorobenzene
 Concen: 10.158 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

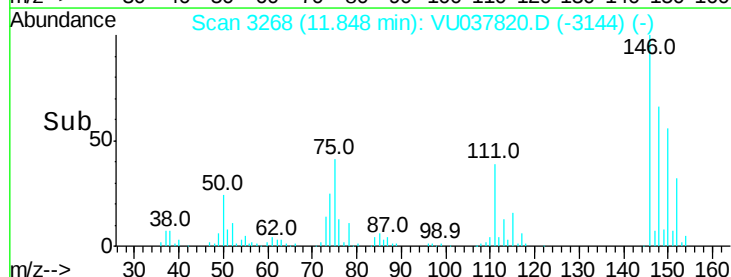
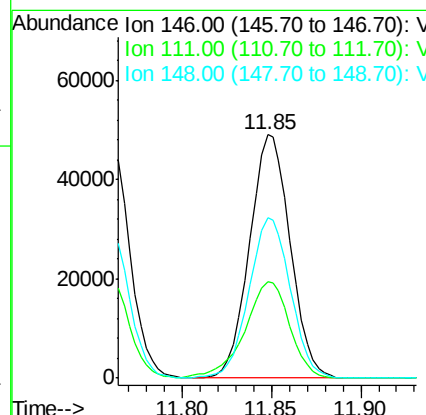
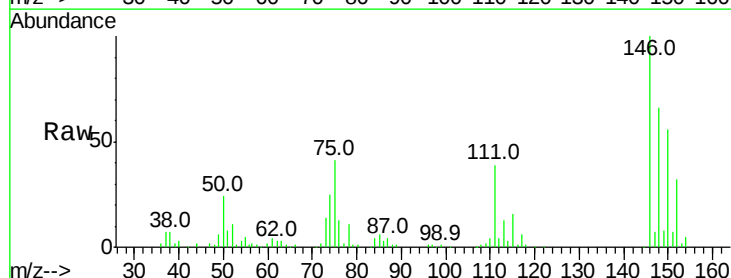
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

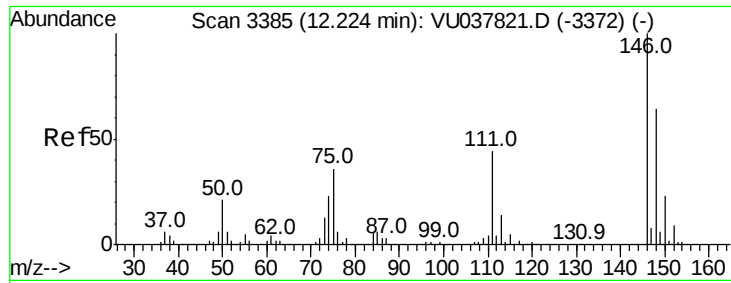
Tgt Ion:146 Resp: 78973
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.9 53.7
 148 62.4 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 10.044 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion:146 Resp: 78348
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.6 53.2
 148 66.0 44.7 82.9

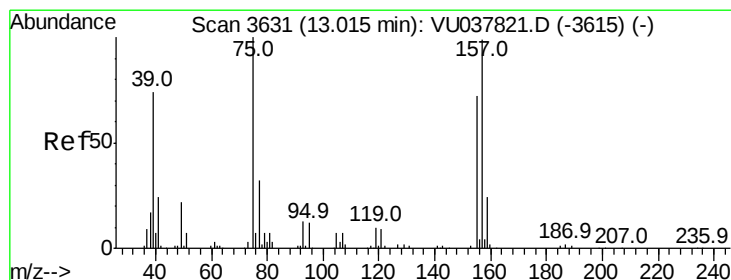
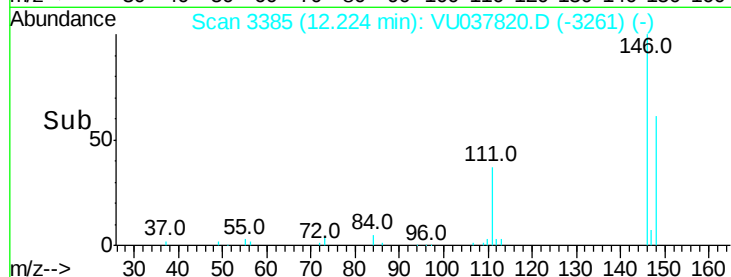
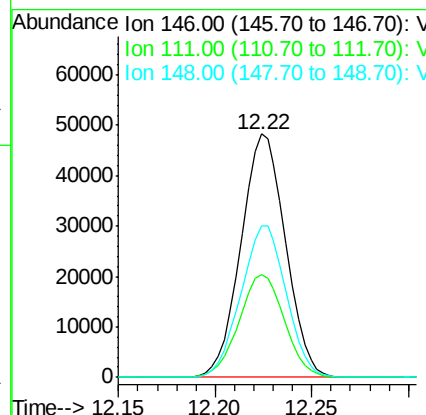
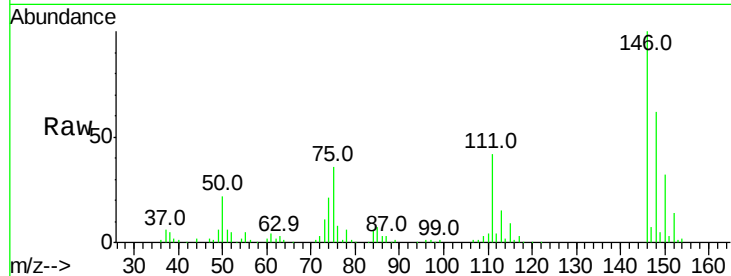




#65
 1,2-Dichlorobenzene
 Concen: 10.097 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

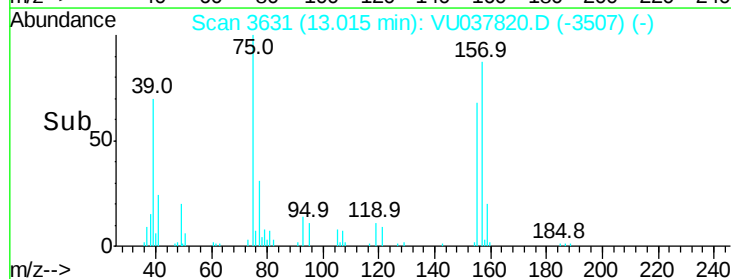
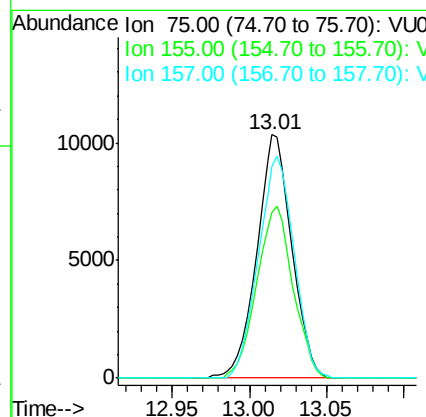
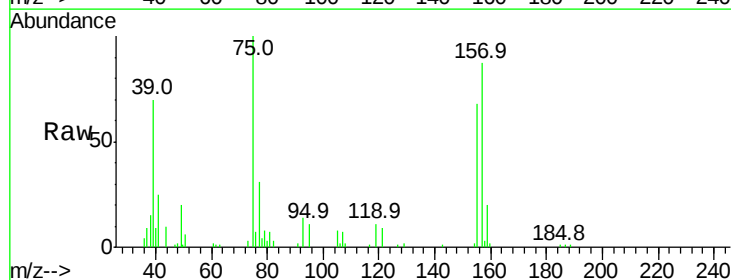
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

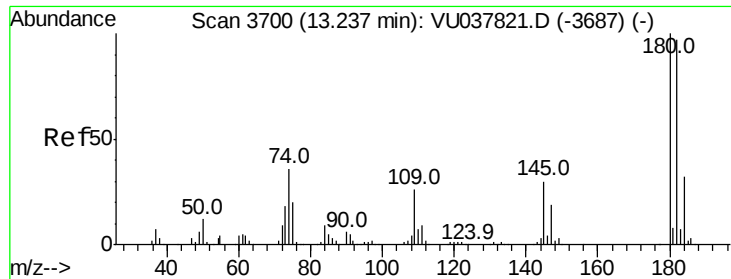
Tgt Ion: 146 Resp: 77360
 Ion Ratio Lower Upper
 146 100
 111 42.3 35.3 52.9
 148 62.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.180 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion: 75 Resp: 16293
 Ion Ratio Lower Upper
 75 100
 155 68.0 57.6 86.4
 157 87.1 79.2 118.8

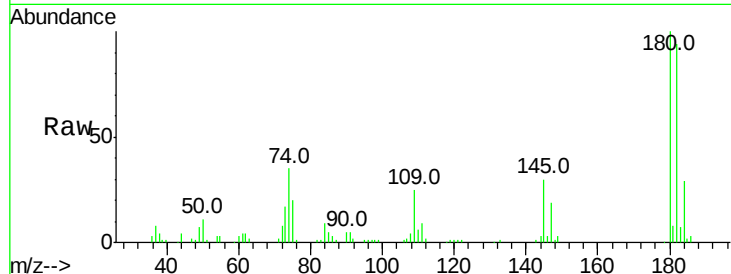




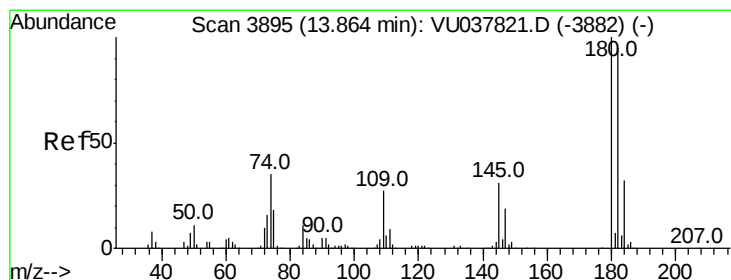
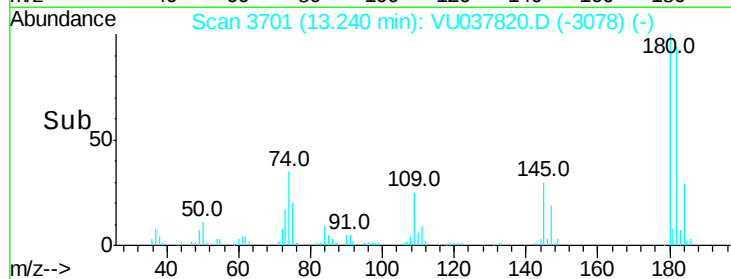
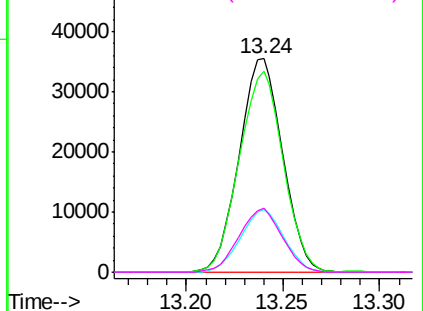
#67
 1,3,5-Trichlorobenzene
 Concen: 9.788 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 55639
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.6
 184 29.4 24.7 37.1
 145 29.8 23.7 35.5

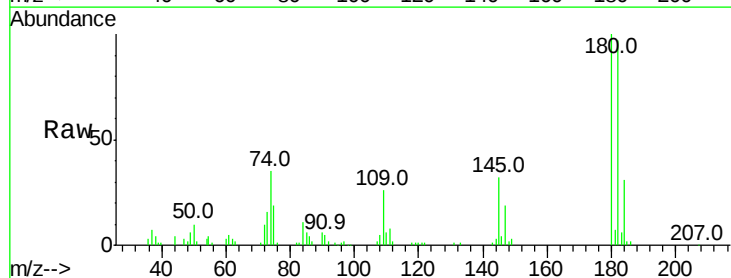


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

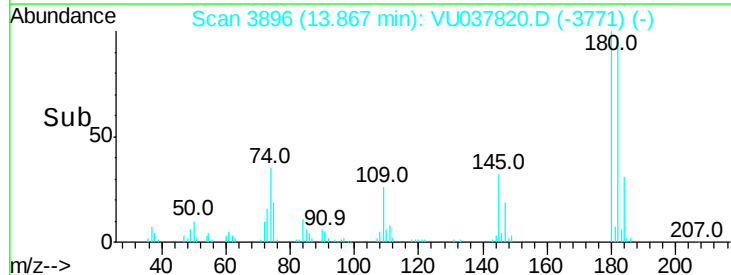
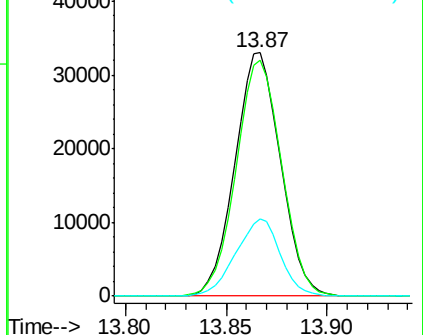


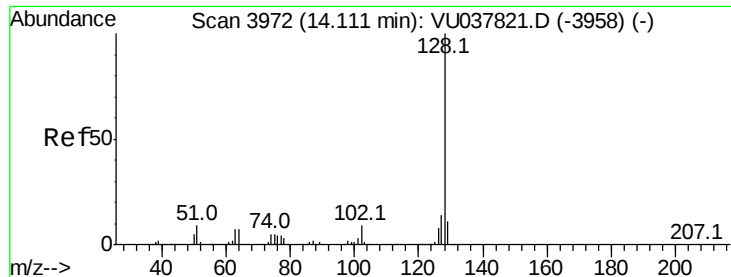
#68
 1,2,4-trichlorobenzene
 Concen: 9.532 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037820.D
 Acq: 21 Apr 2020 12:39

Tgt Ion:180 Resp: 52263
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.2 114.4
 145 30.9 24.3 36.5



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





#69

Naphthalene

Concen: 9.205 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

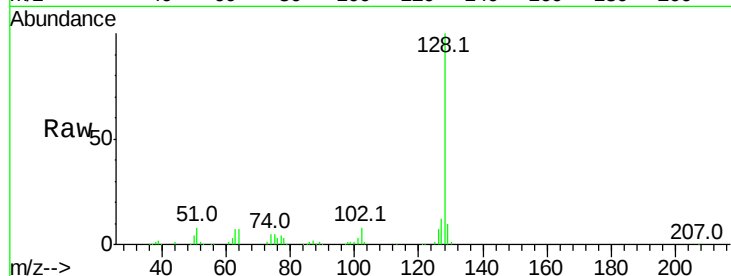
Tgt Ion:128 Resp: 186219

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

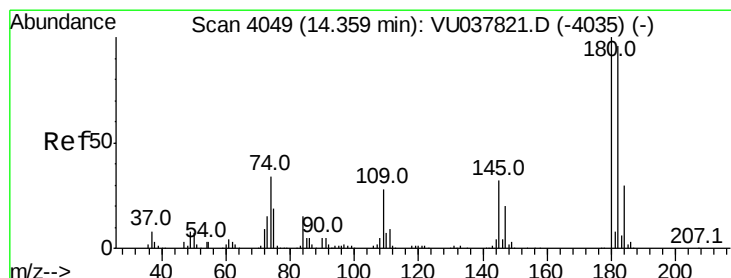
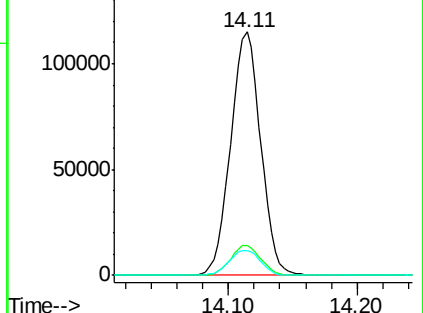
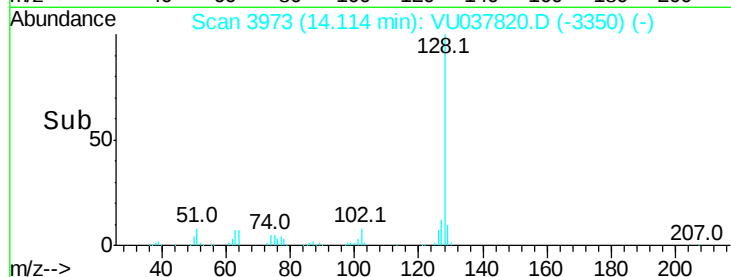
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.547 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037820.D

Acq: 21 Apr 2020 12:39

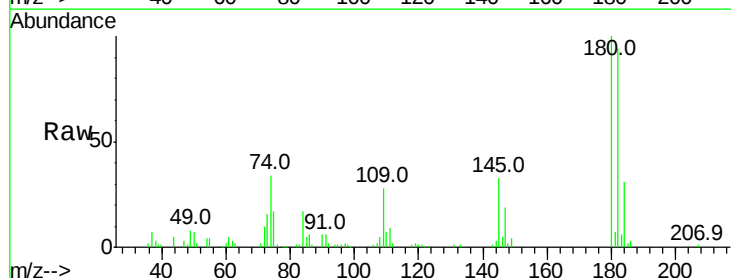
Tgt Ion:180 Resp: 52153

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.4

145 32.5 26.2 39.4



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

