

Data File : VU038029.D
Acq On : 07 May 2020 10:10
Operator : JC/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Quant Time: May 07 11:15:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 11:12:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	370554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	360614	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	173792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33716	1.20	ug/L	0.00
7) Chloroethane-d5	1.93	69	30184	1.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	57022	1.14	ug/L	0.00
20) 2-Butanone-d5	4.68	46	82300	10.69	ug/L	0.00
24) Chloroform-d	5.10	84	52953	1.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	29841	1.16	ug/L	0.00
32) Benzene-d6	5.76	84	110853	1.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	35885	1.13	ug/L	0.00
41) Toluene-d8	7.92	98	98314	1.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	13531	0.95	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	65558	8.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	27825	1.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	35285	1.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	32807	1.021 ug/L	97
3) Chloromethane	1.53	50	42809	1.077 ug/L	98
5) Vinyl chloride	1.62	62	39741	1.018 ug/L	99
6) Bromomethane	1.87	94	22905	1.022 ug/L	99
8) Chloroethane	1.95	64	24953	1.088 ug/L	98
9) Trichlorofluoromethane	2.16	101	41321	0.986 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	25299	1.037 ug/L	98
12) 1,1-Dichloroethene	2.61	96	25968	1.016 ug/L	88
13) Acetone	2.68	43	54274	10.689 ug/L	100
14) Carbon disulfide	2.82	76	90570	0.970 ug/L	100
15) Methyl Acetate	2.99	43	14766	1.046 ug/L	98
16) Methylene chloride	3.08	84	31673	1.099 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	71223	0.962 ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	28091	1.013 ug/L	99
19) 1,1-Dichloroethane	3.91	63	55896	1.042 ug/L	99
21) 2-Butanone	4.76	43	94316	10.224 ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	31113	1.039 ug/L	97
23) Bromochloromethane	5.02	128	13533	1.066 ug/L	99
25) Chloroform	5.12	83	53556	1.051 ug/L	100
27) 1,2-Dichloroethane	5.83	62	37159	1.079 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	42768	0.977 ug/L	99
30) Cyclohexane	5.42	56	46784	0.864 ug/L	96
31) Carbon tetrachloride	5.56	117	33850	0.971 ug/L	99
33) Benzene	5.81	78	120095	1.008 ug/L	100
34) Trichloroethene	6.57	95	29516	1.008 ug/L	92
35) Methylcyclohexane	6.79	83	45103	0.879 ug/L	100
37) 1,2-Dichloropropane	6.82	63	32086	1.015 ug/L	99
38) Bromodichloromethane	7.13	83	36940	0.983 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	43617	0.882 ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	217433	9.359 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	125032	1.002	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	37513	0.874	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	22646	1.063	ug/L	96
47) Tetrachloroethene	8.57	164	20770	0.987	ug/L	99
48) 2-Hexanone	8.71	43	156105	9.385	ug/L	99
49) Dibromochloromethane	8.83	129	22440	0.922	ug/L	90
50) 1,2-Dibromoethane	8.94	107	20168	0.985	ug/L #	96
51) Chlorobenzene	9.47	112	78317	1.028	ug/L	97
52) Ethylbenzene	9.59	91	131494	0.947	ug/L	100
53) m,p-Xylene	9.71	106	50886	0.968	ug/L	93
54) o-Xylene	10.11	106	49103	0.949	ug/L	95
55) Styrene	10.13	104	79133	0.895	ug/L	98
56) Isopropylbenzene	10.50	105	121775	0.898	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	27374	0.988	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	21488	1.039	ug/L	95
61) Bromoform	10.31	173	11669	0.845	ug/L #	93
62) 1,3-Dichlorobenzene	11.76	146	56582	0.972	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	57694	0.988	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	56954	1.039	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	4306	0.848	ug/L #	86
67) 1,3,5-Trichlorobenzene	13.24	180	41198	0.965	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	37147	0.948	ug/L	99
69) Naphthalene	14.11	128	73844	0.931	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	33490	0.959	ug/L	99

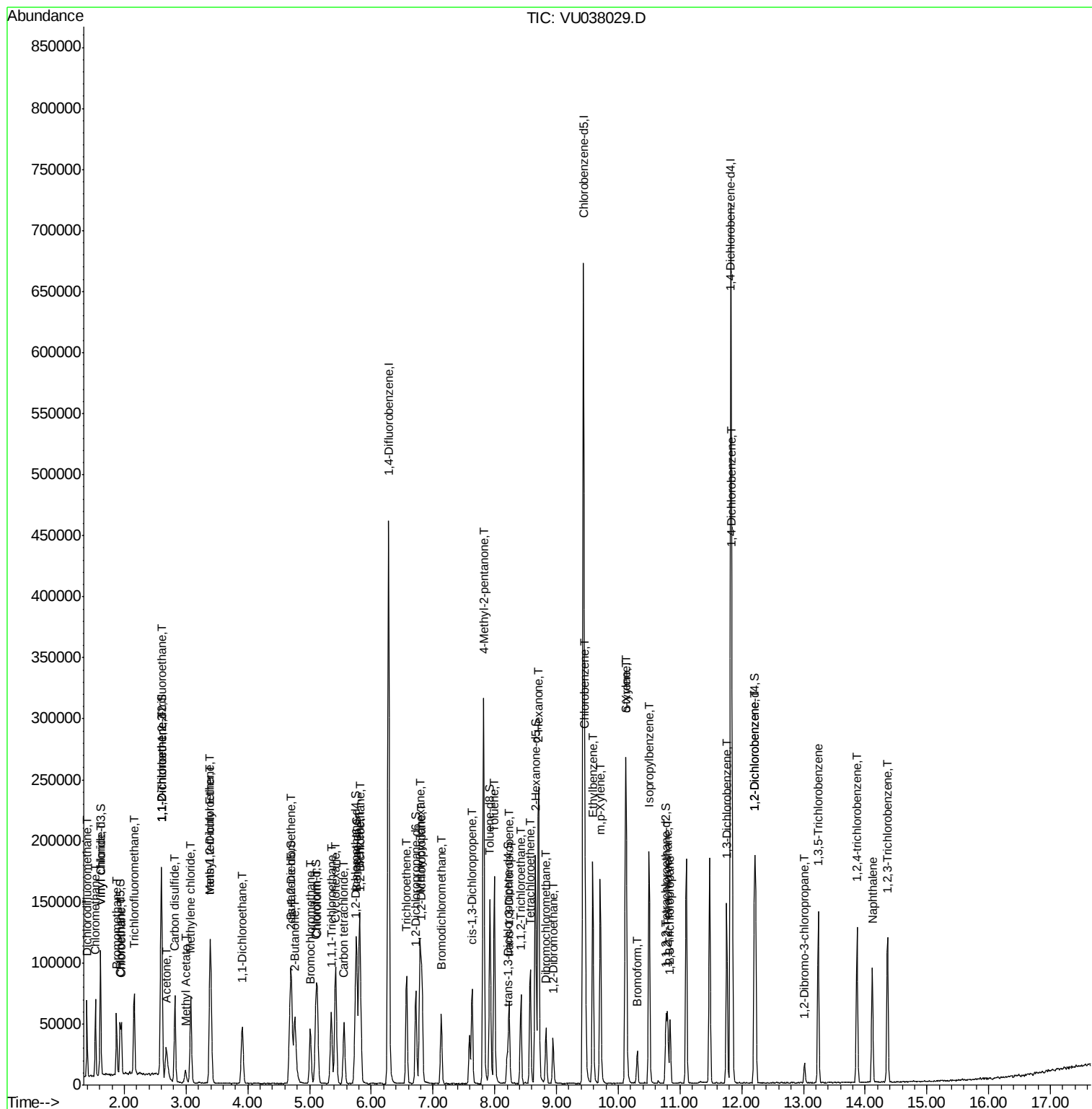
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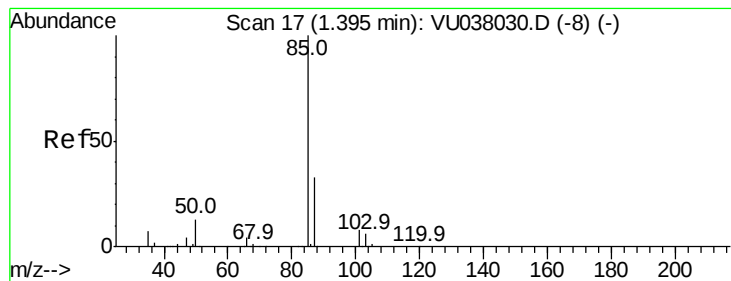
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#2

Dichlorodifluoromethane

Concen: 1.021 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

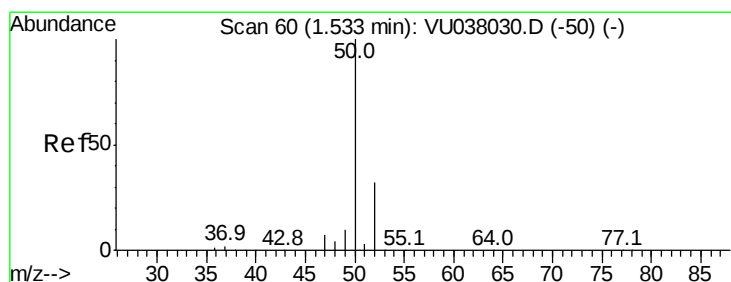
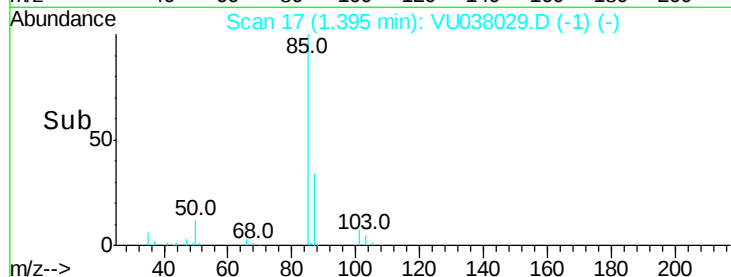
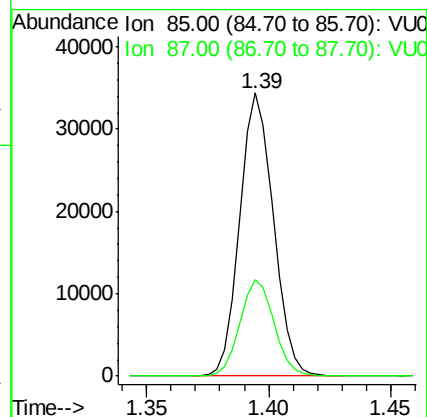
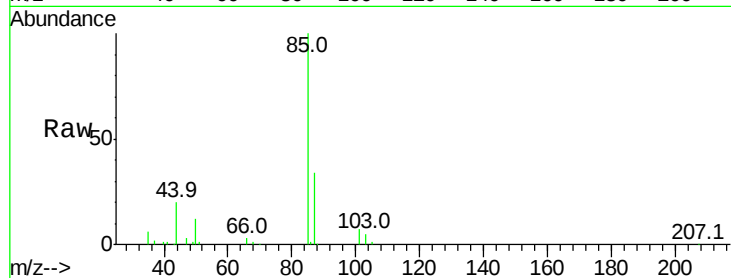
VSTD00101

Tgt Ion: 85 Resp: 32807

Ion Ratio Lower Upper

85 100

87 34.6 26.2 39.4



#3

Chloromethane

Concen: 1.077 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038029.D

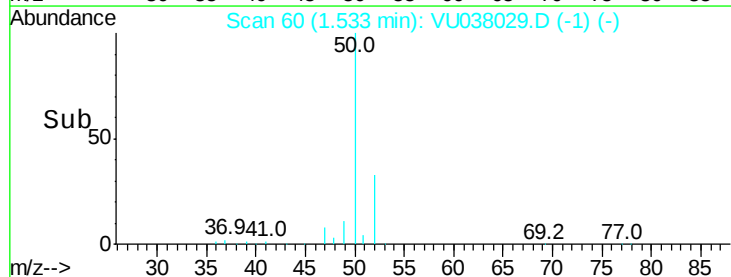
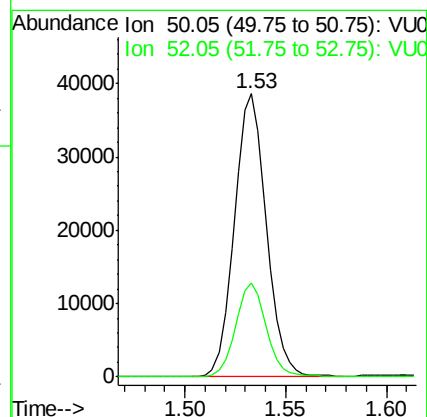
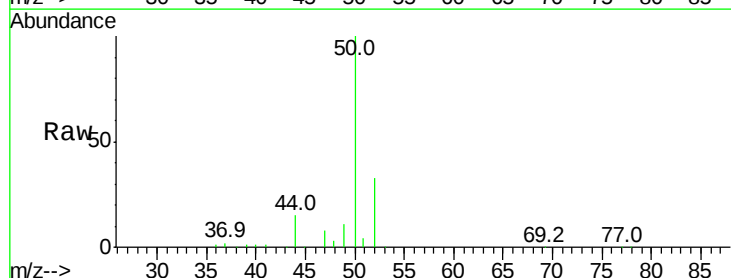
Acq: 07 May 2020 10:10

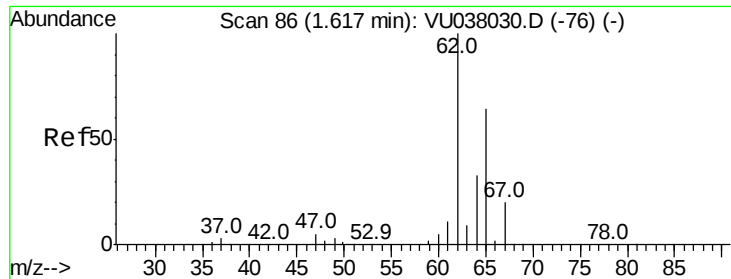
Tgt Ion: 50 Resp: 42809

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.7





#5

Vinyl chloride

Concen: 1.018 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

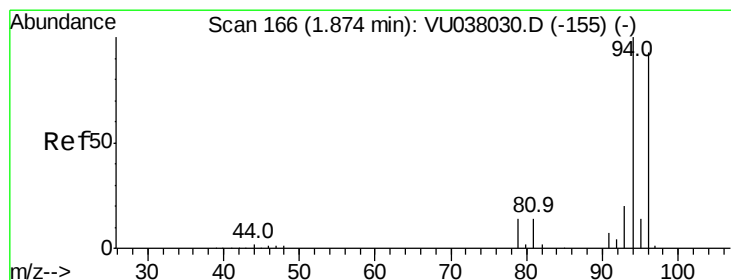
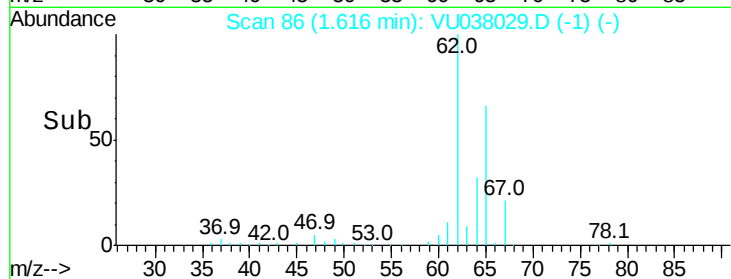
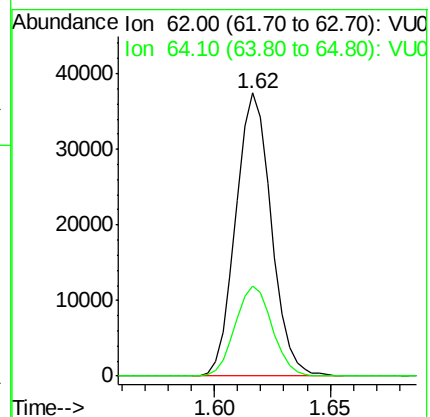
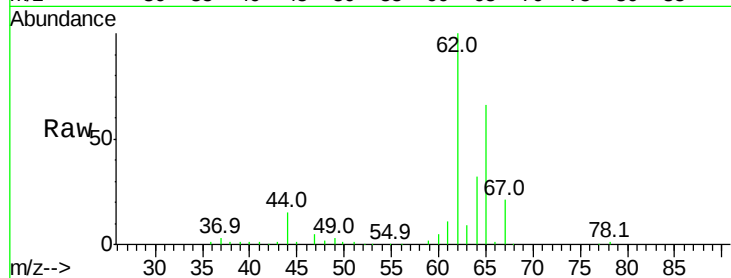
VSTD00101

Tgt Ion: 62 Resp: 39741

Ion Ratio Lower Upper

62 100

64 32.0 22.8 42.4



#6

Bromomethane

Concen: 1.022 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038029.D

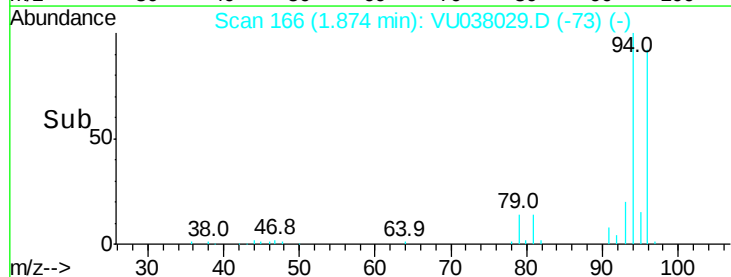
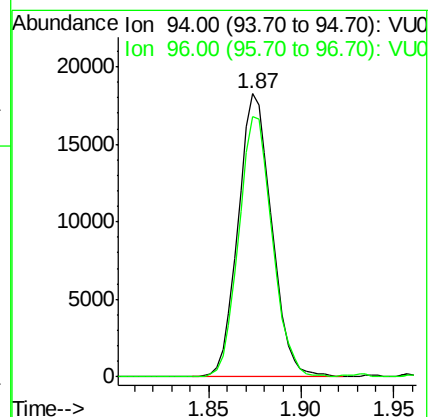
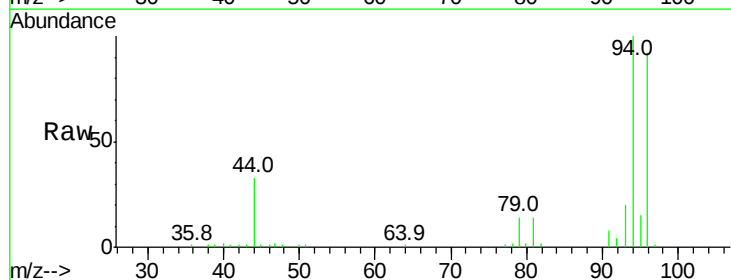
Acq: 07 May 2020 10:10

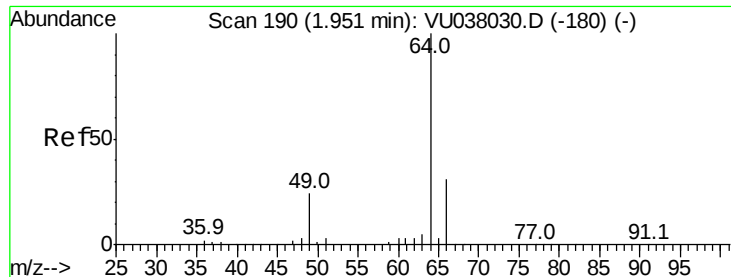
Tgt Ion: 94 Resp: 22905

Ion Ratio Lower Upper

94 100

96 92.2 65.0 120.8





#8

Chloroethane

Concen: 1.088 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

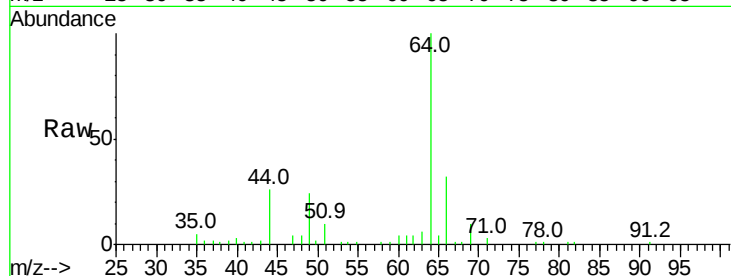
VSTD00101

Tgt Ion: 64 Resp: 24953

Ion Ratio Lower Upper

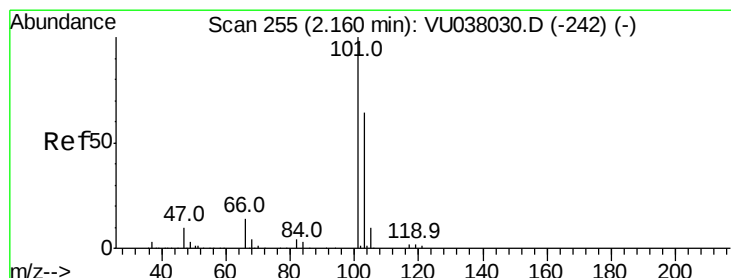
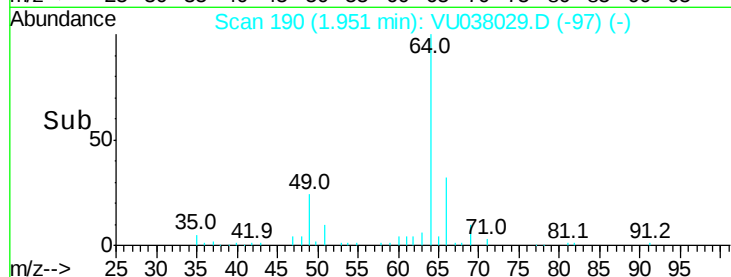
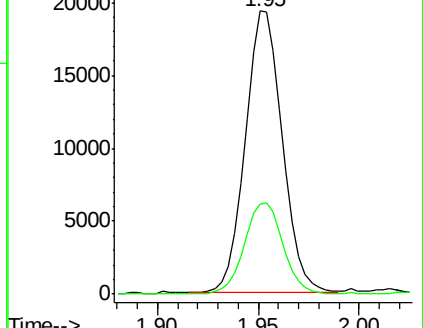
64 100

66 32.0 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038029.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU038029.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 0.986 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038029.D

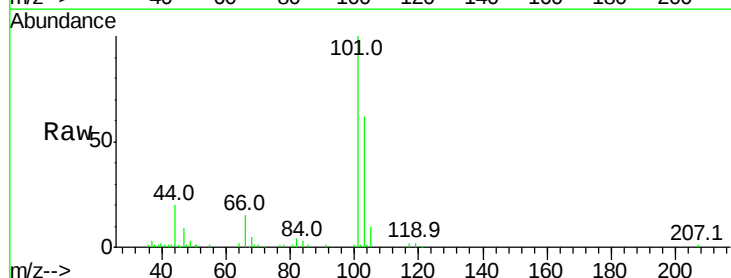
Acq: 07 May 2020 10:10

Tgt Ion: 101 Resp: 41321

Ion Ratio Lower Upper

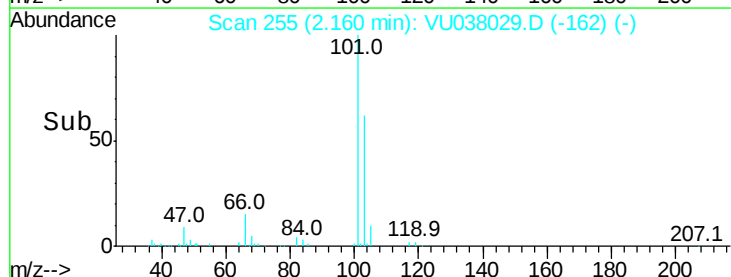
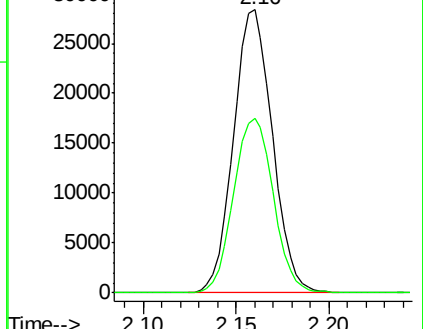
101 100

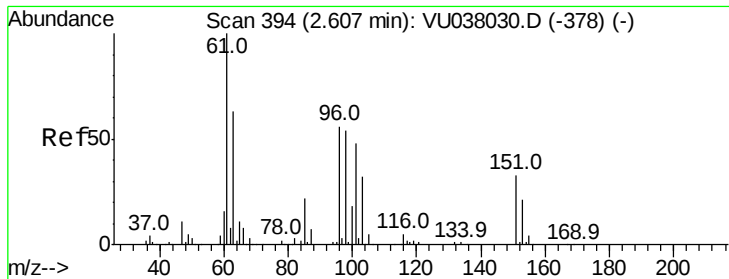
103 63.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038029.D (-162) (-)

Ion 103.00 (102.70 to 103.70): VU038029.D (-162) (-)





#10

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

Concen: 1.037 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

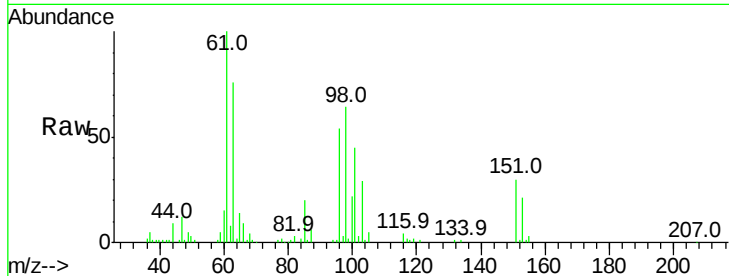
Tgt Ion:101 Resp: 25299

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

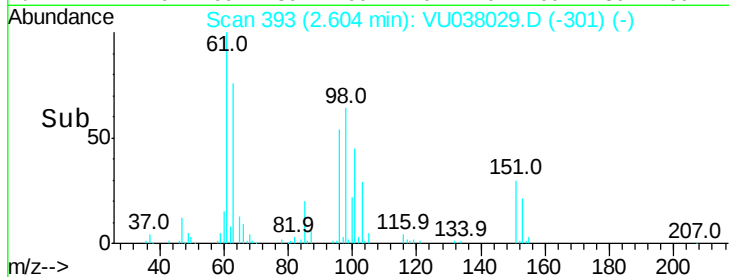
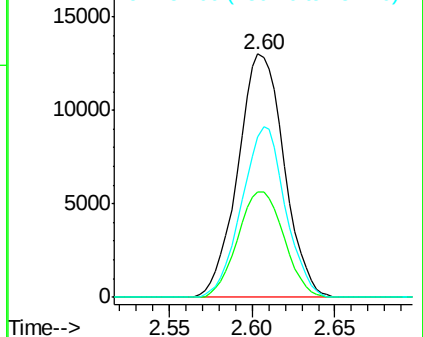
151 66.1 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.016 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

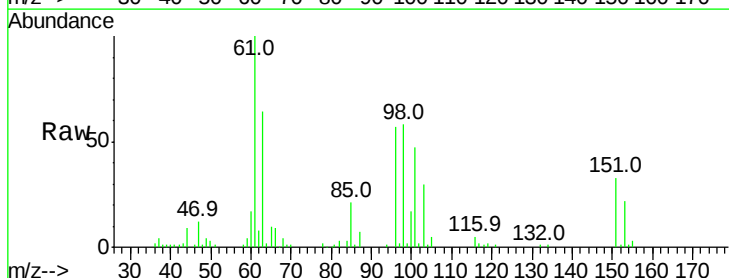
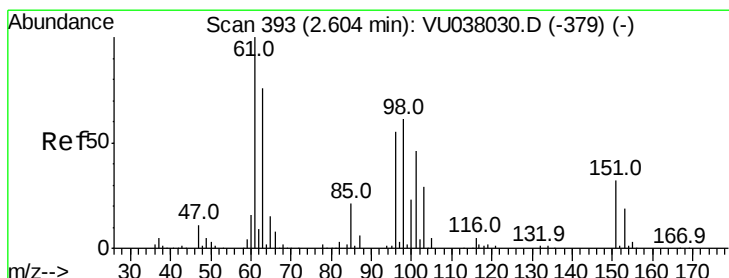
Tgt Ion: 96 Resp: 25968

Ion Ratio Lower Upper

96 100

61 174.8 126.2 234.4

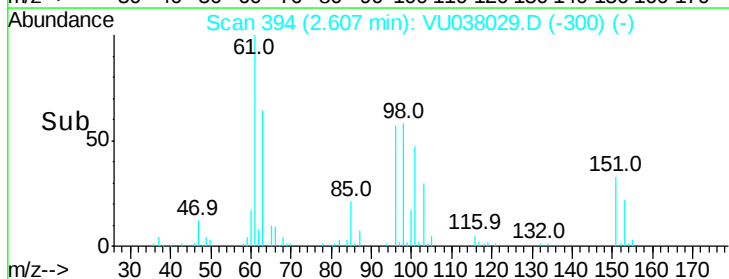
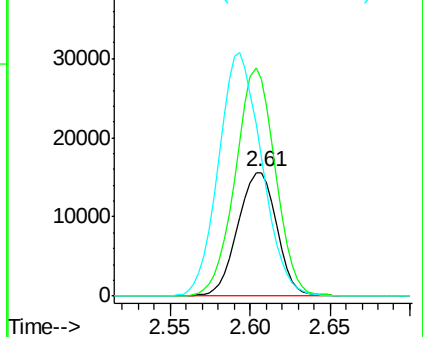
63 112.0 96.9 179.9

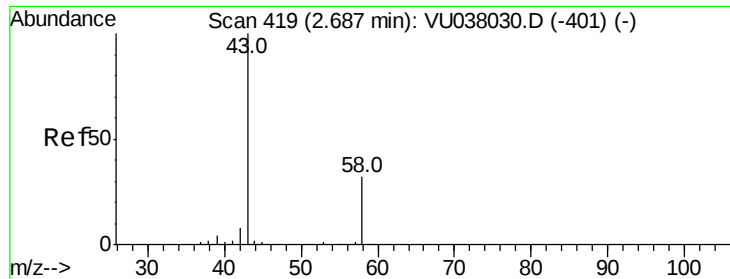


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.689 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

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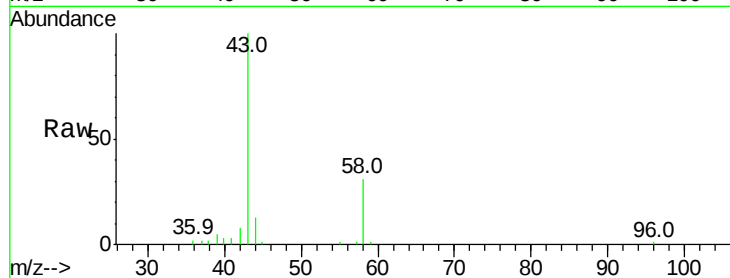
VSTD00101

Tgt Ion: 43 Resp: 54274

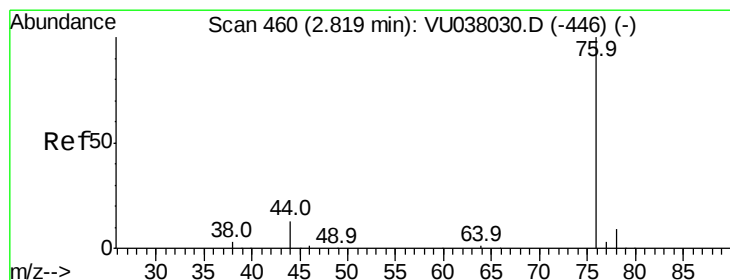
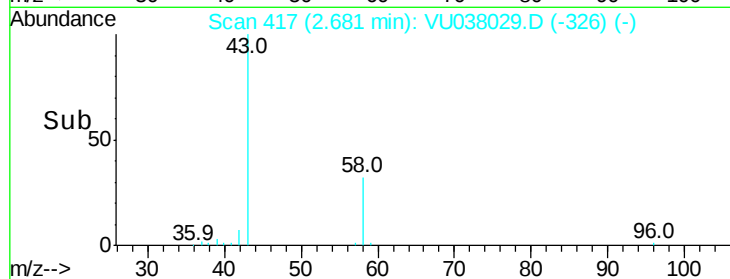
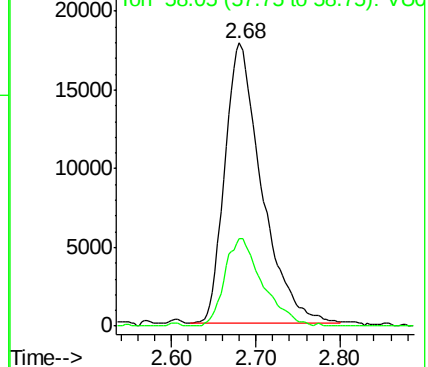
Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038029.D (-326) (-)



#14

Carbon disulfide

Concen: 0.970 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038029.D

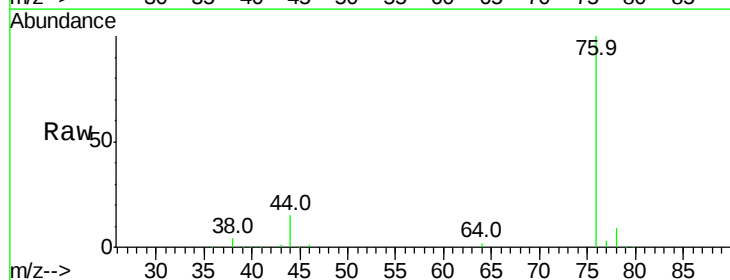
Acq: 07 May 2020 10:10

Tgt Ion: 76 Resp: 90570

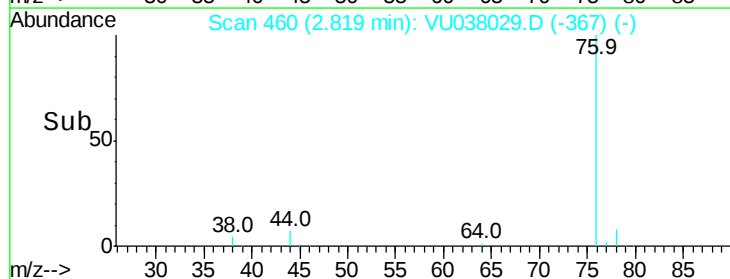
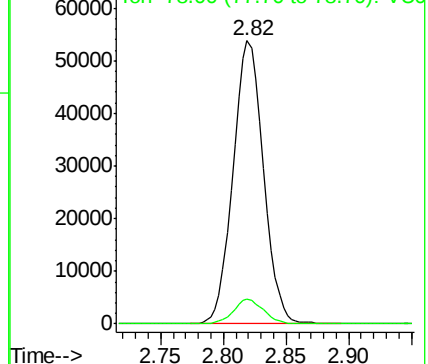
Ion Ratio Lower Upper

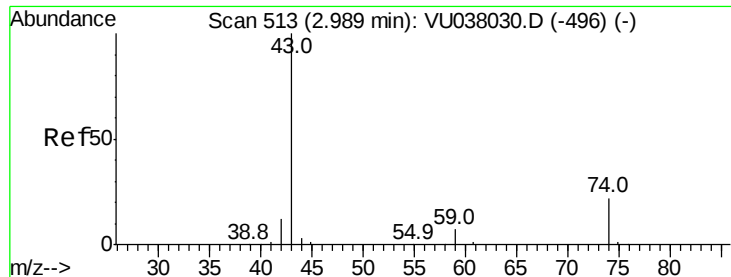
76 100

78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038029.D (-367) (-)

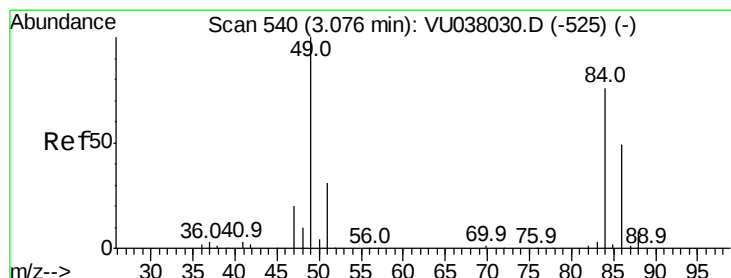
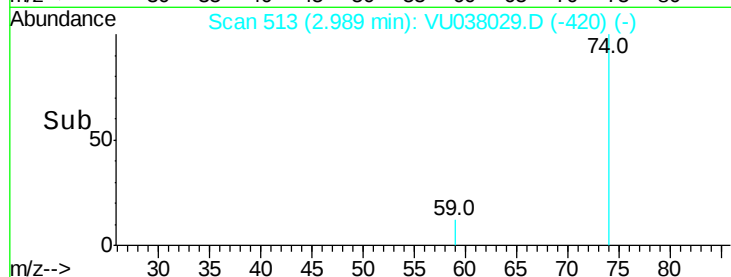
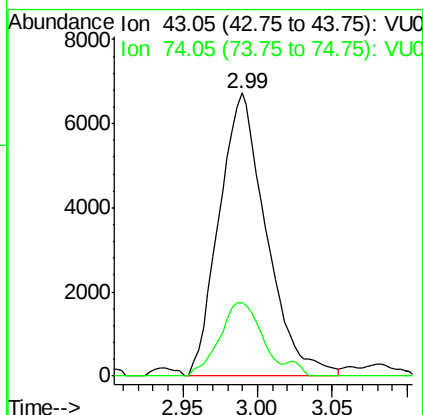
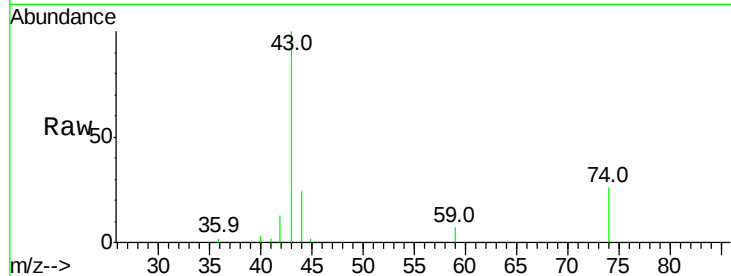




#15
Methyl Acetate
Concen: 1.046 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

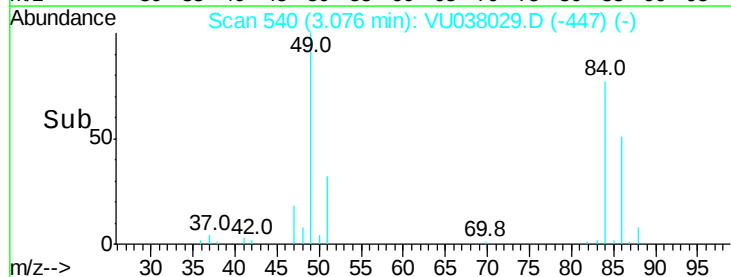
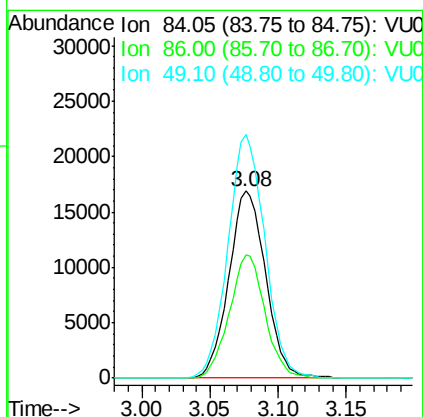
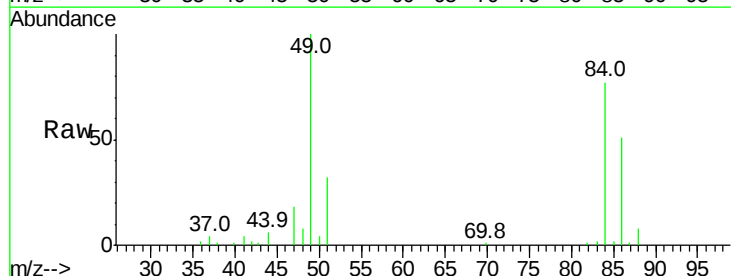
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

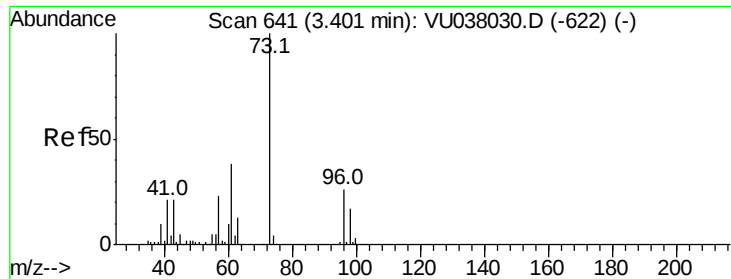
Tgt Ion: 43 Resp: 14766
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0



#16
Methylene chloride
Concen: 1.099 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Tgt Ion: 84 Resp: 31673
Ion Ratio Lower Upper
84 100
86 66.0 44.9 83.3
49 130.1 92.0 170.9

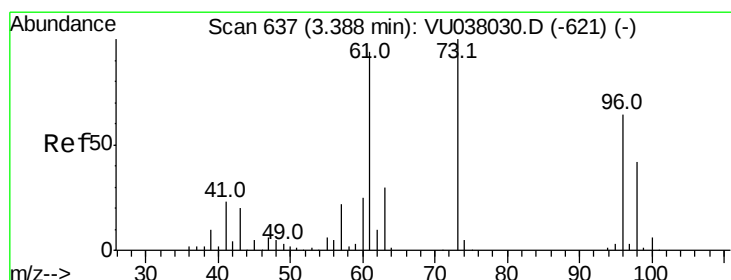
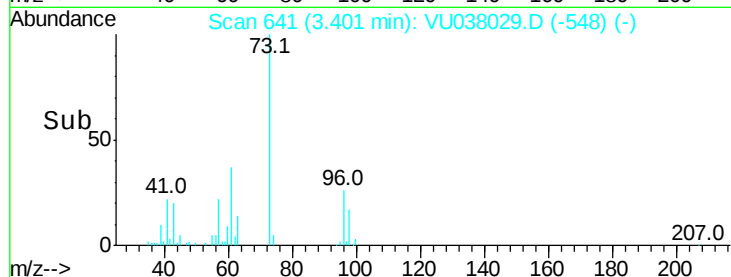
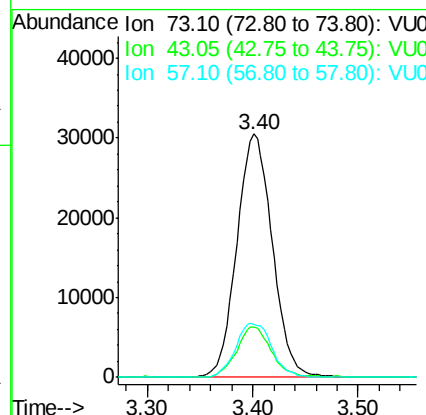
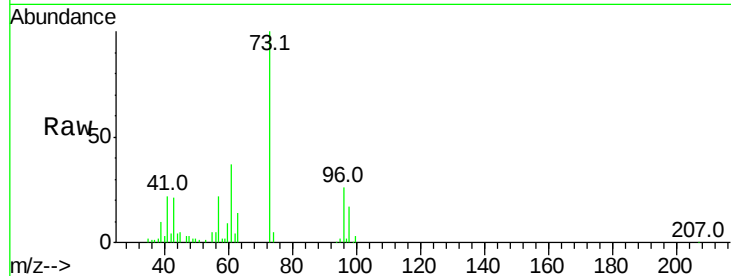




#17
Methyl tert-butyl Ether
Concen: 0.962 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

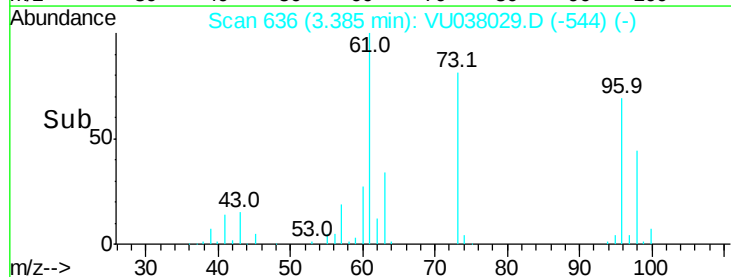
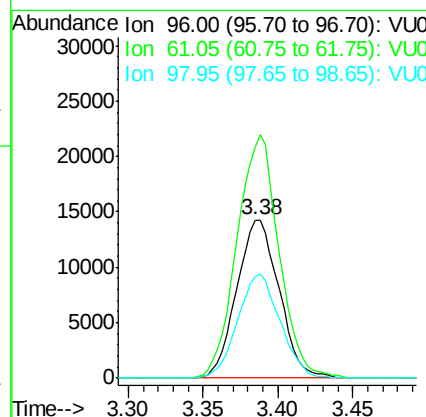
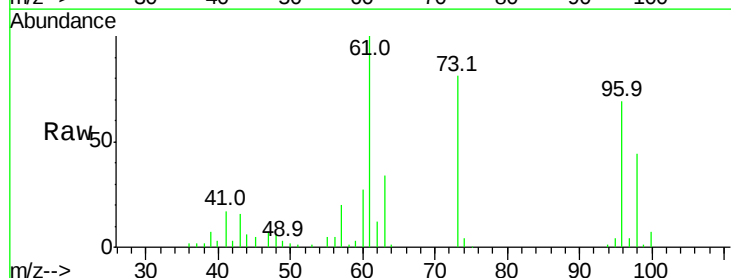
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

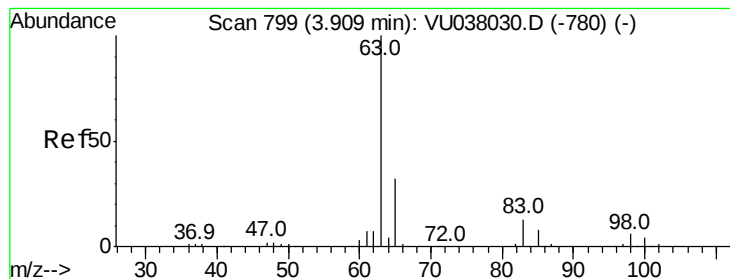
Tgt Ion: 73 Resp: 71223
Ion Ratio Lower Upper
73 100
43 20.3 16.9 25.3
57 22.6 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 1.013 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Tgt Ion: 96 Resp: 28091
Ion Ratio Lower Upper
96 100
61 145.9 102.1 189.5
98 64.0 45.6 84.8

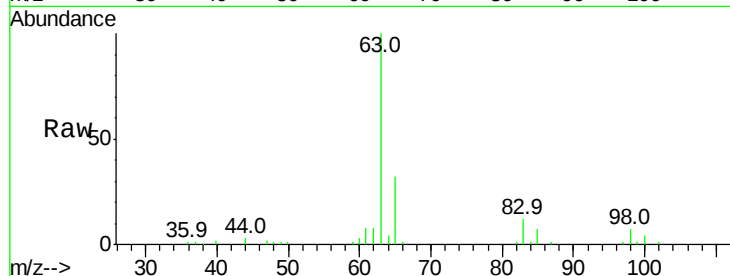




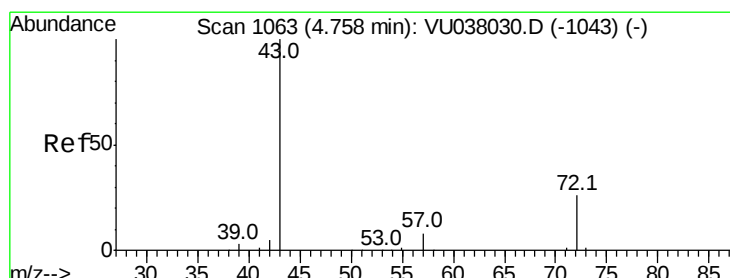
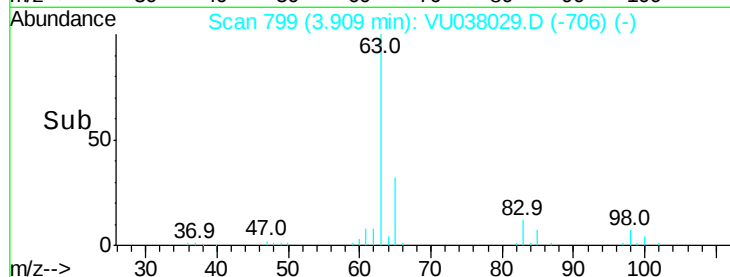
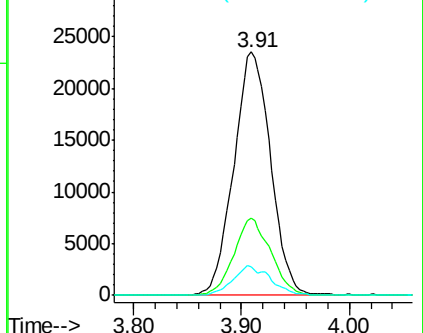
#19
 1,1-Dichloroethane
 Concen: 1.042 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 63 Resp: 55896
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 11.5 8.9 16.5

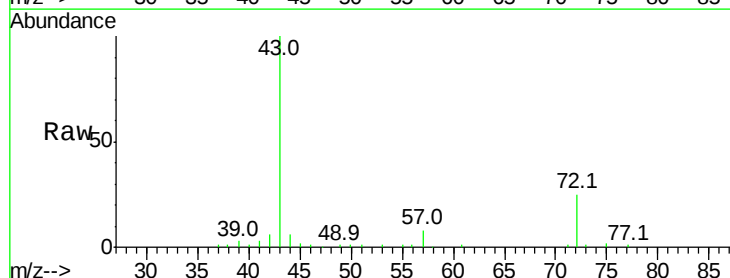


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

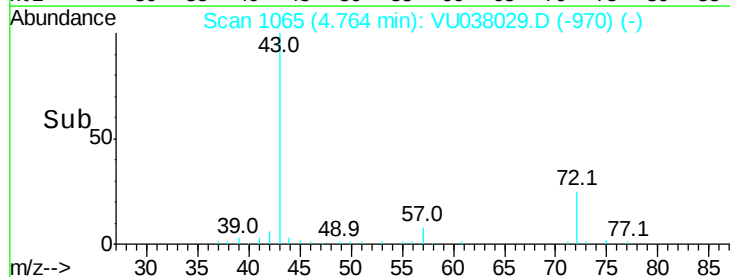
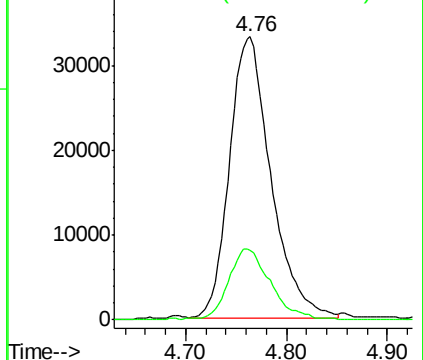


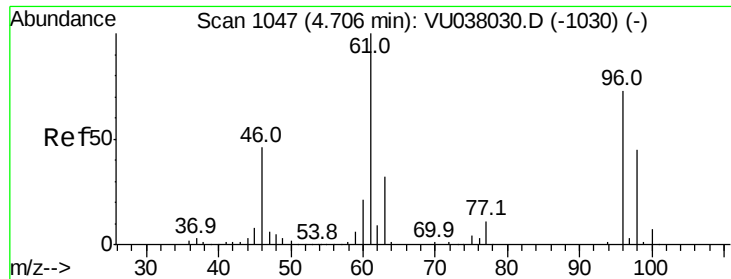
#21
 2-Butanone
 Concen: 10.224 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion: 43 Resp: 94316
 Ion Ratio Lower Upper
 43 100
 72 24.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

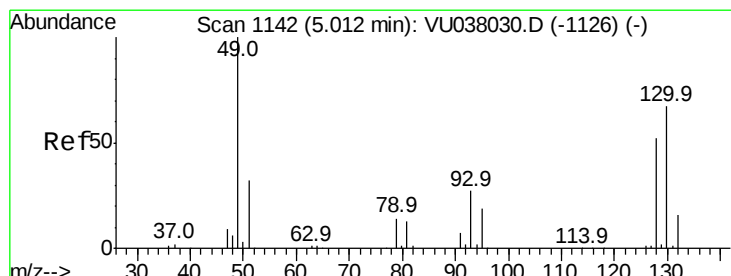
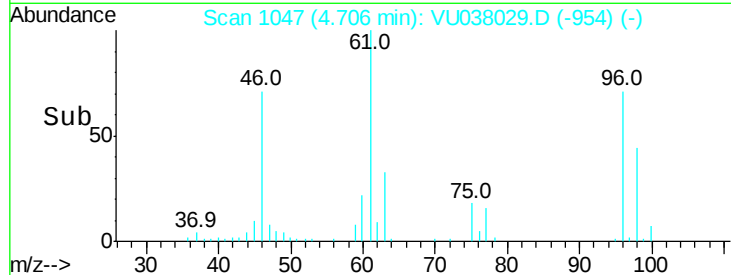
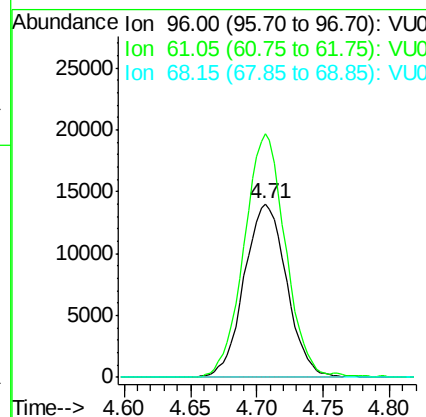
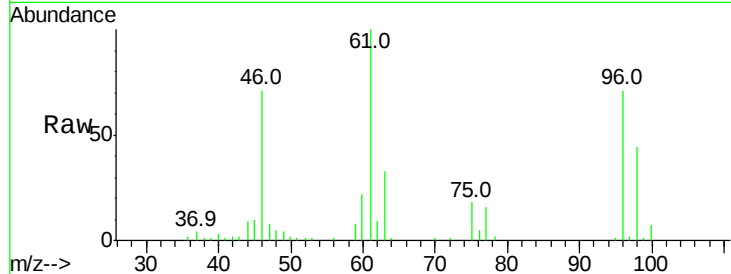




#22
 cis-1,2-Dichloroethene
 Concen: 1.039 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

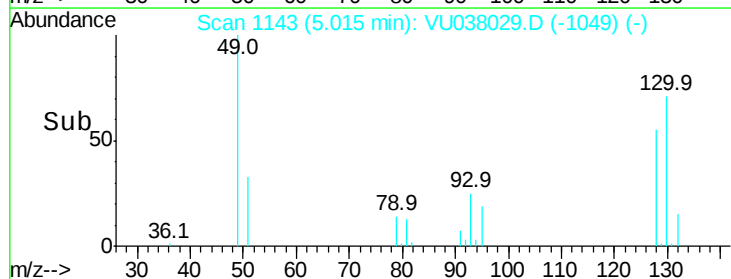
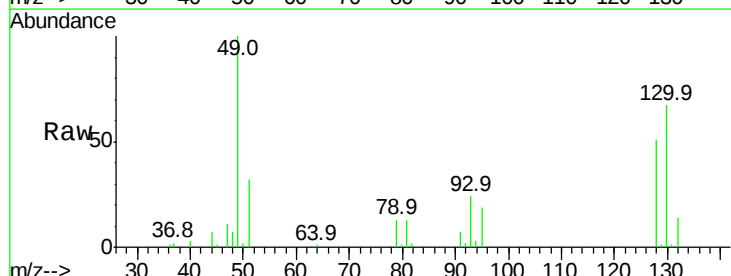
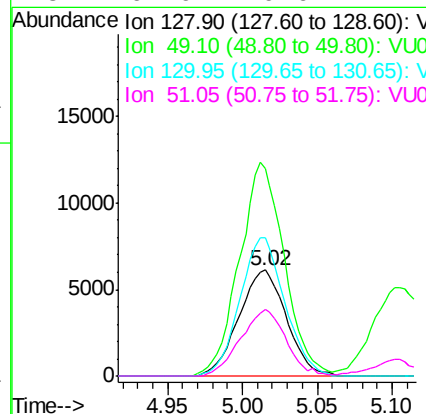
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00101

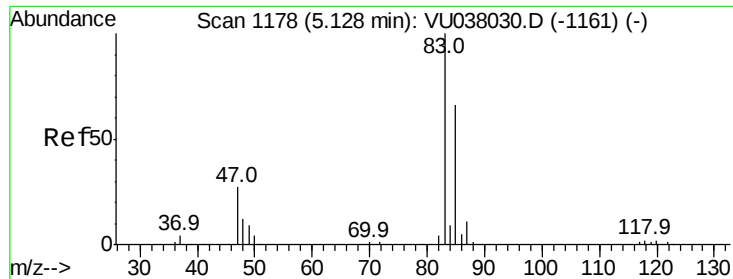
Tgt Ion: 96 Resp: 31113
 Ion Ratio Lower Upper
 96 100
 61 140.2 95.3 176.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.066 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion: 128 Resp: 13533
 Ion Ratio Lower Upper
 128 100
 49 195.2 135.6 251.8
 130 130.4 91.4 169.8
 51 62.9 49.6 74.4

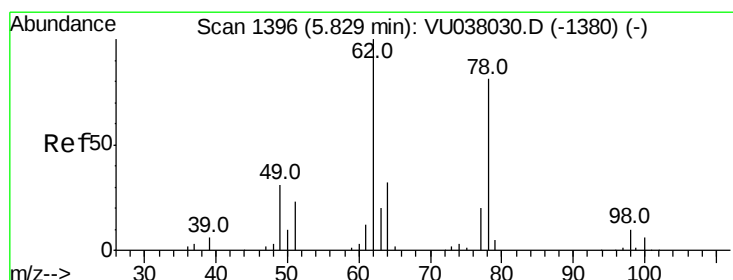
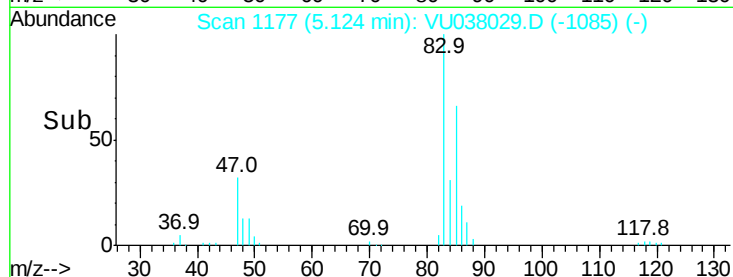
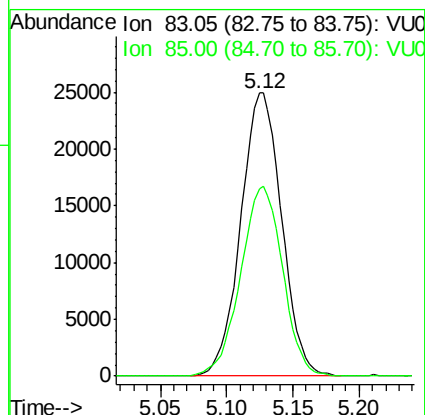
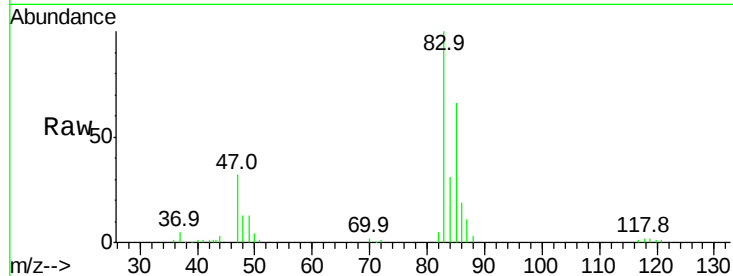




#25
 Chloroform
 Concen: 1.051 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

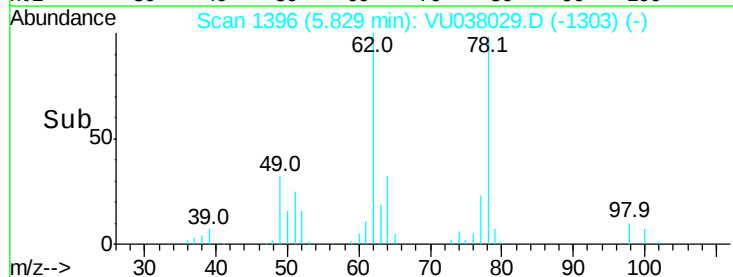
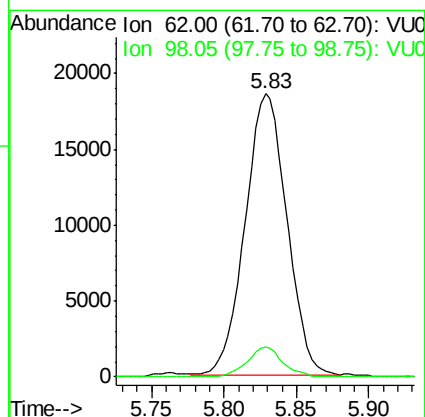
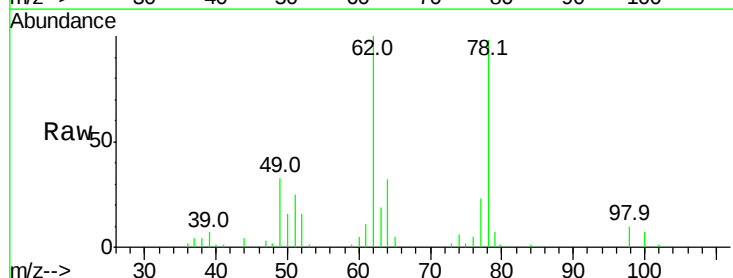
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00101

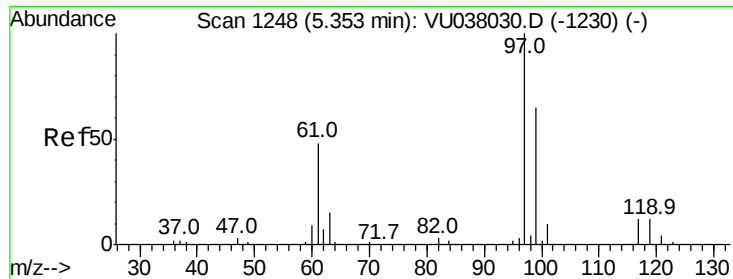
Tgt Ion: 83 Resp: 53556
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.2 85.8



#27
 1,2-Dichloroethane
 Concen: 1.079 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion: 62 Resp: 37159
 Ion Ratio Lower Upper
 62 100
 98 10.4 7.8 11.8

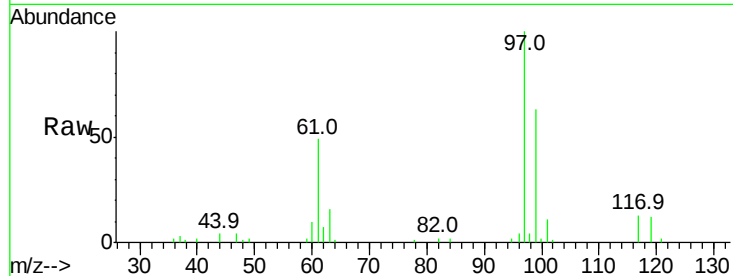




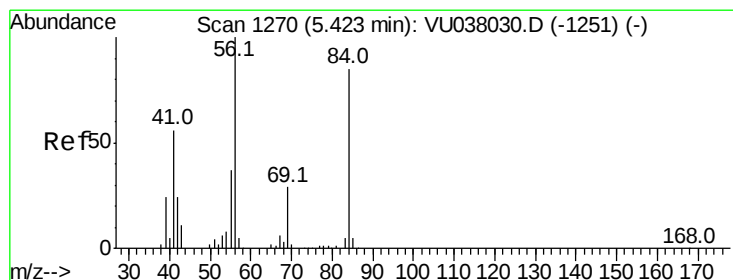
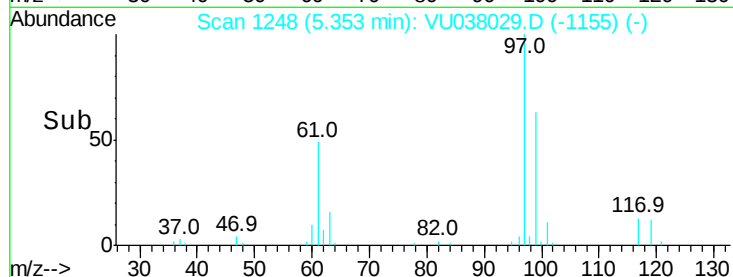
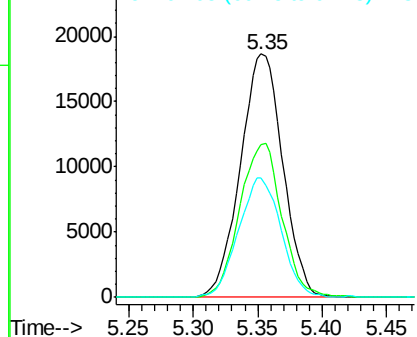
#29
 1,1,1-Trichloroethane
 Concen: 0.977 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion: 97 Resp: 42768
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.0 76.4
 61 49.2 38.2 57.4

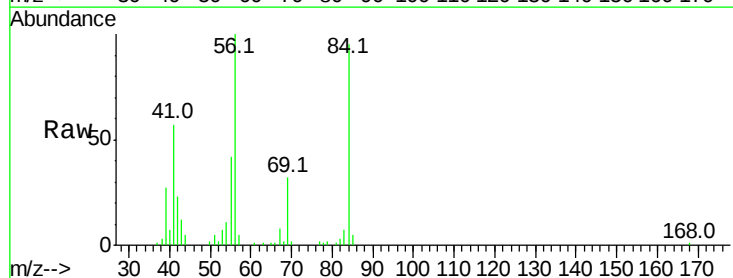


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

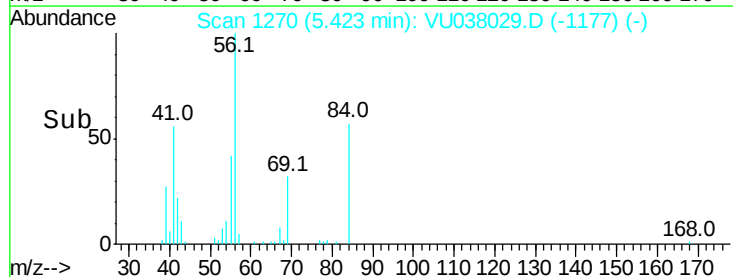
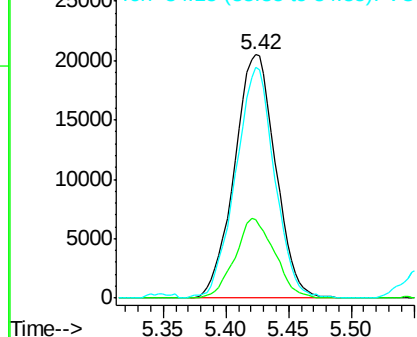


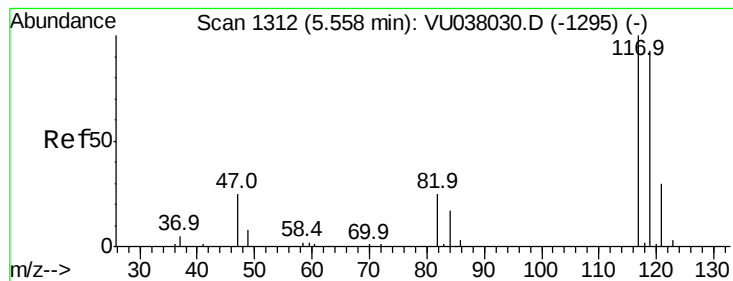
#30
 Cyclohexane
 Concen: 0.864 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion: 56 Resp: 46784
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.2 36.4
 84 89.8 68.5 102.7



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: 0.971 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

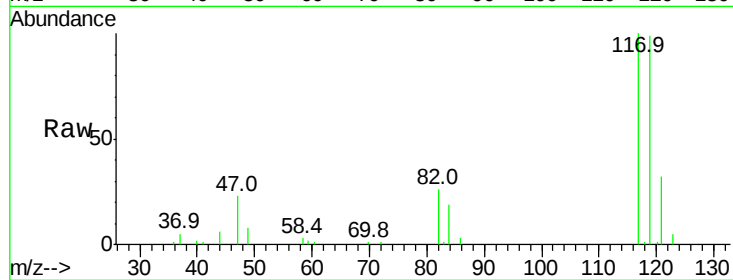
VSTD00101

Tgt Ion:117 Resp: 33850

Ion Ratio Lower Upper

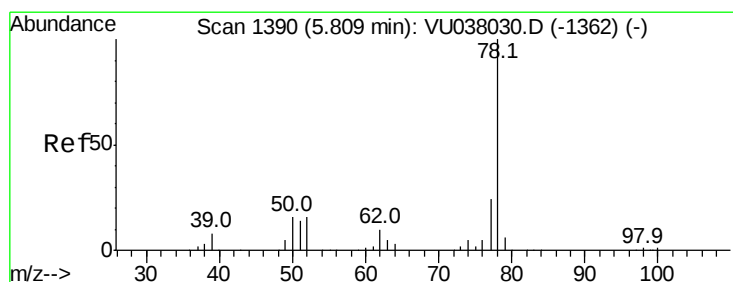
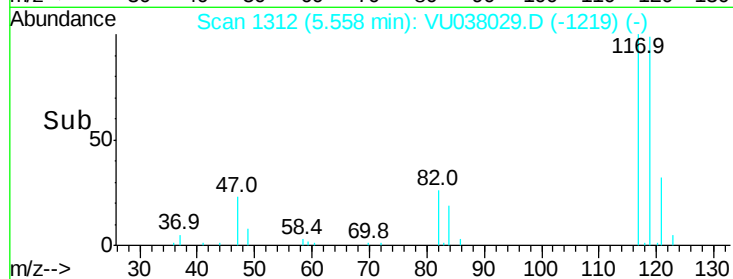
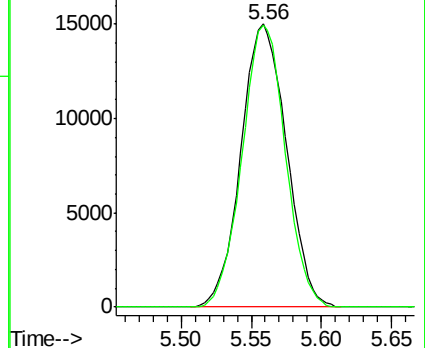
117 100

119 94.8 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.008 ug/L

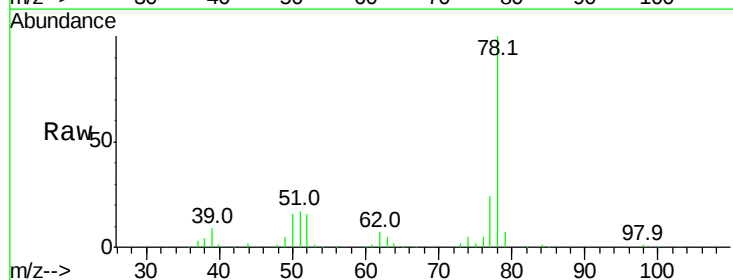
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

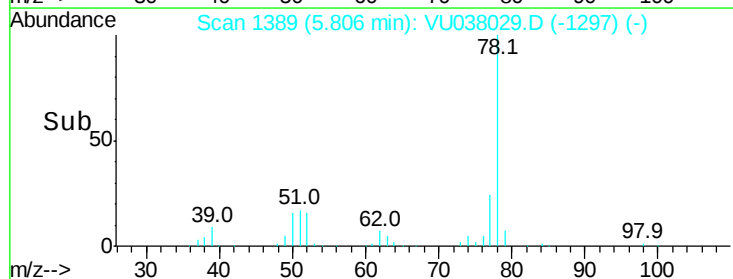
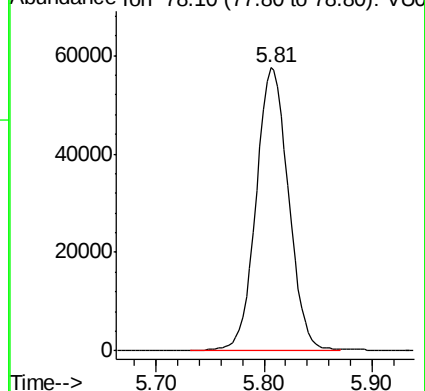
Lab File: VU038029.D

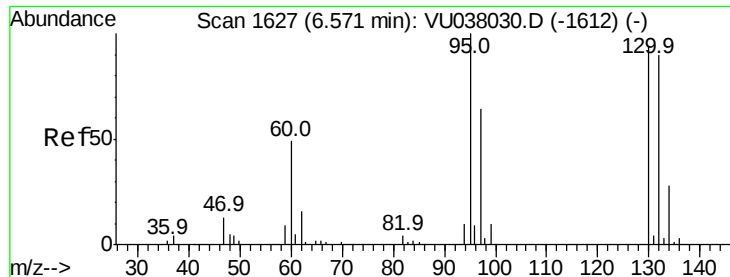
Acq: 07 May 2020 10:10

Tgt Ion: 78 Resp: 120095



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.008 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tgt Ion: 95 Resp: 29516

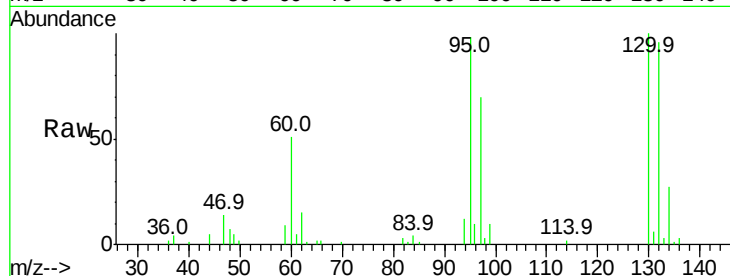
Ion Ratio Lower Upper

95 100

97 70.9 44.9 83.3

132 97.5 63.3 117.5

130 101.6 65.7 122.1

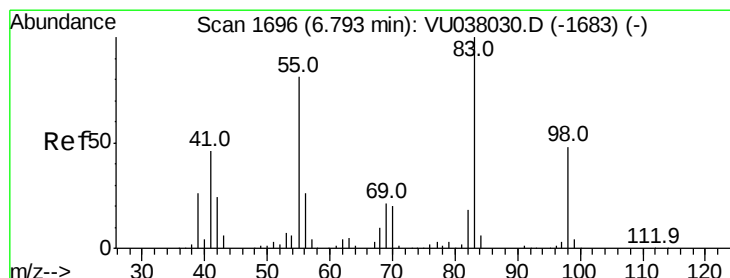
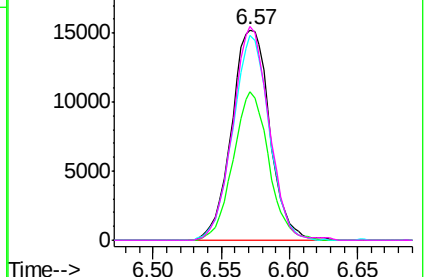
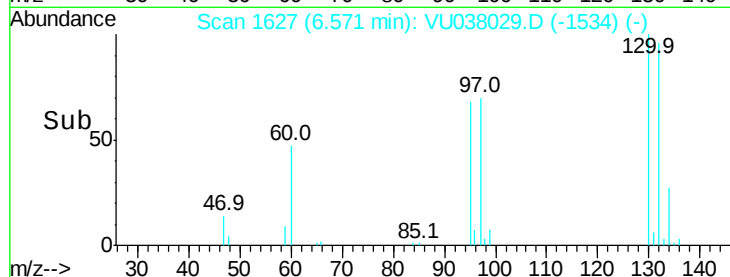


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.879 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

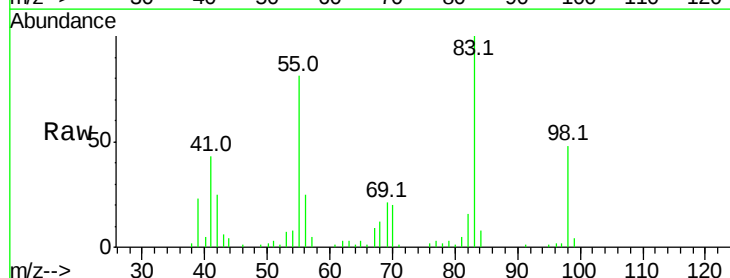
Tgt Ion: 83 Resp: 45103

Ion Ratio Lower Upper

83 100

55 83.3 66.7 100.1

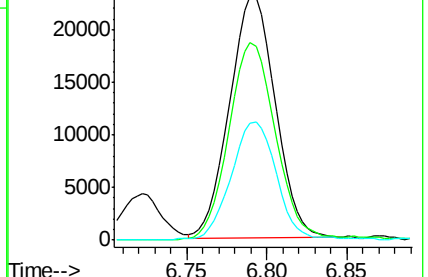
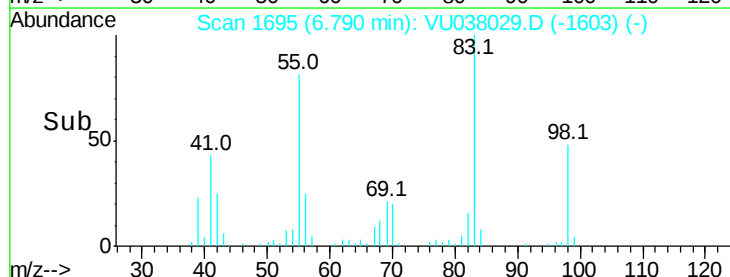
98 48.7 39.4 59.2

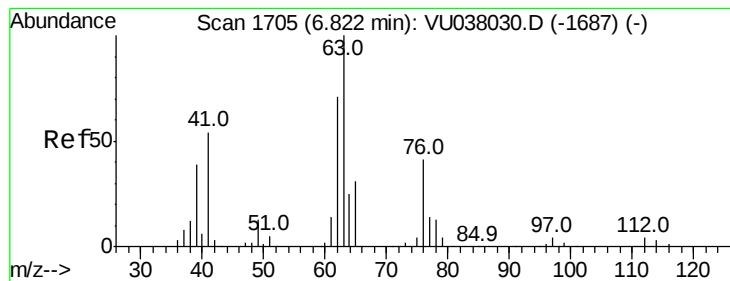


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.015 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

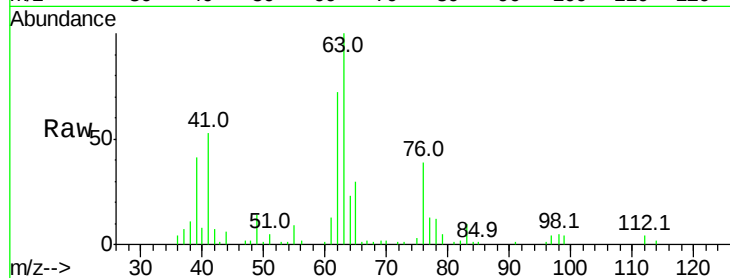
VSTD00101

Tgt Ion: 63 Resp: 32086

Ion Ratio Lower Upper

63 100

112 3.6 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038029.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU038029.D (-1612) (-)

20000

15000

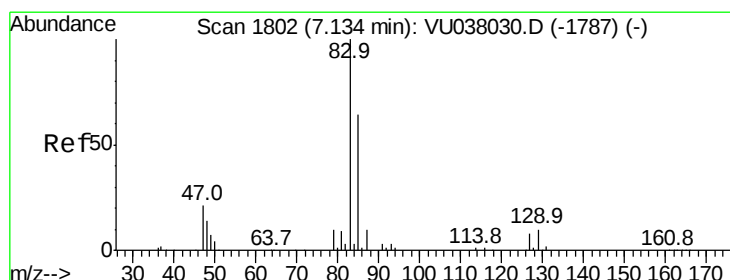
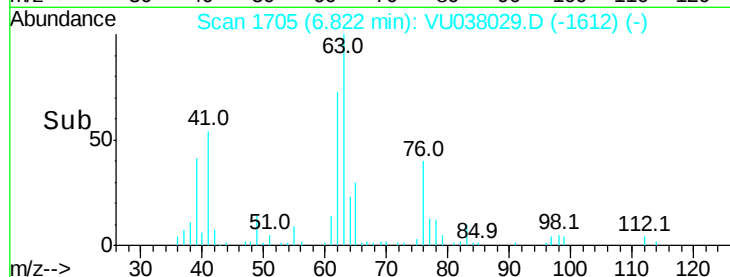
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 0.983 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

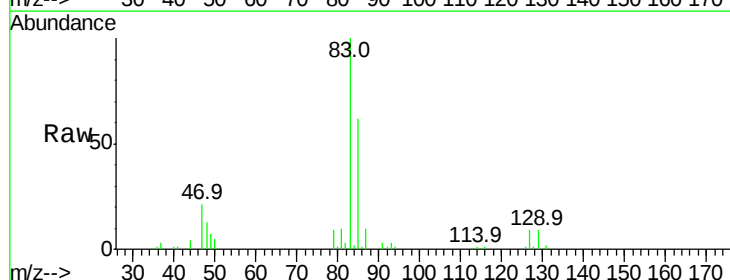
Tgt Ion: 83 Resp: 36940

Ion Ratio Lower Upper

83 100

85 61.8 44.6 82.8

127 8.8 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038029.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038029.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038029.D (-1709) (-)

25000

20000

15000

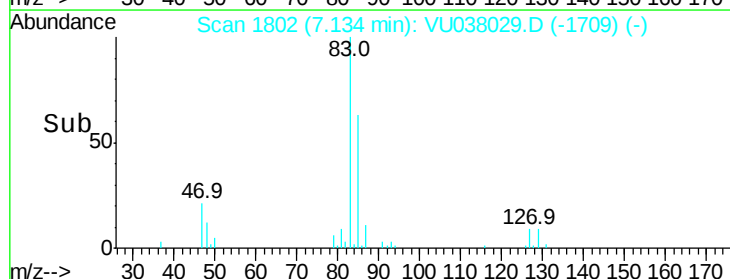
10000

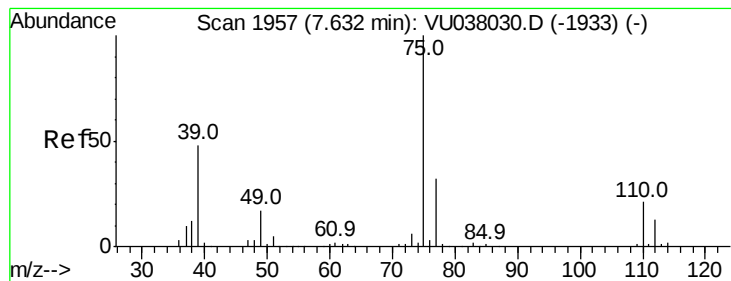
5000

0

7.05 7.10 7.15 7.20

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.882 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

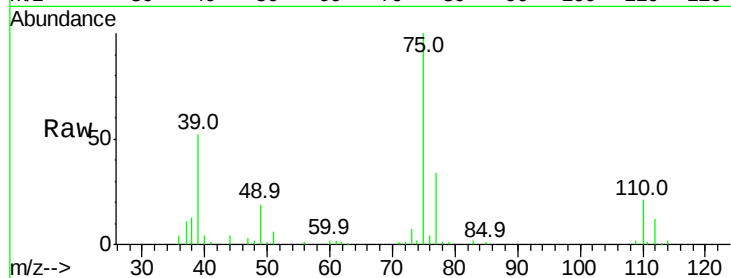
VSTD00101

Tgt Ion: 75 Resp: 43617

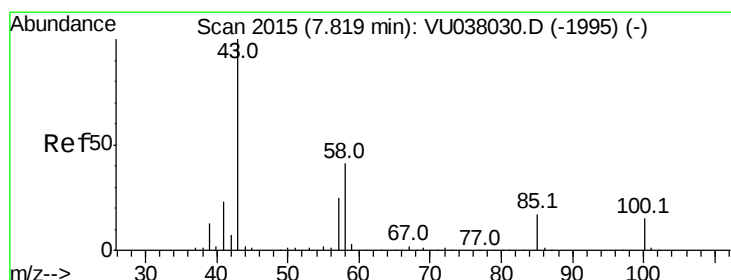
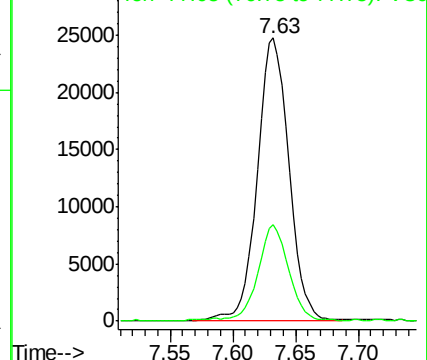
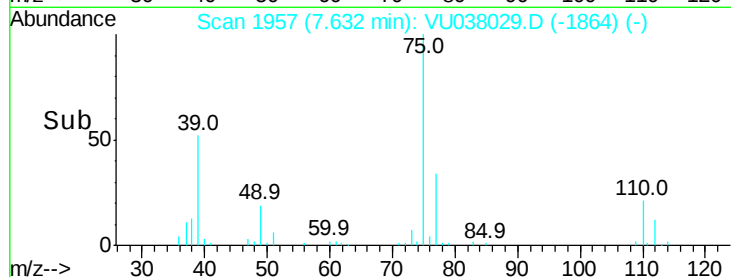
Ion Ratio Lower Upper

75 100

77 34.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038029.D (-1864) (-)



#40

4-Methyl-2-pentanone

Concen: 9.359 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

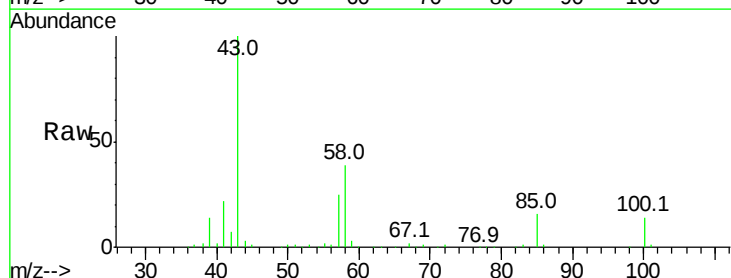
Tgt Ion: 43 Resp: 217433

Ion Ratio Lower Upper

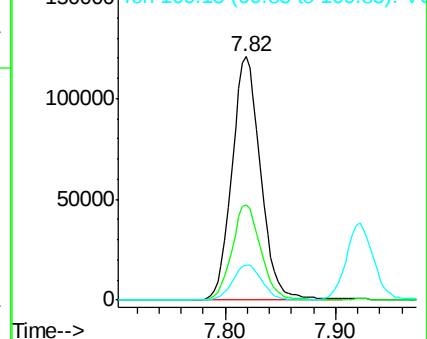
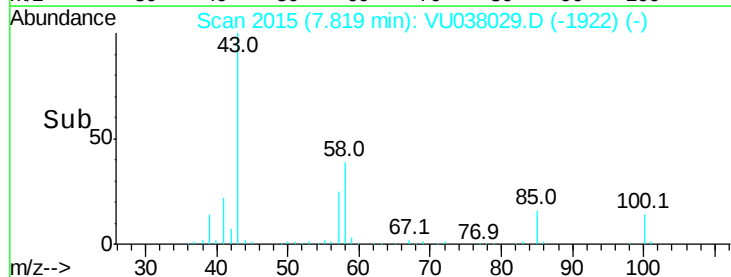
43 100

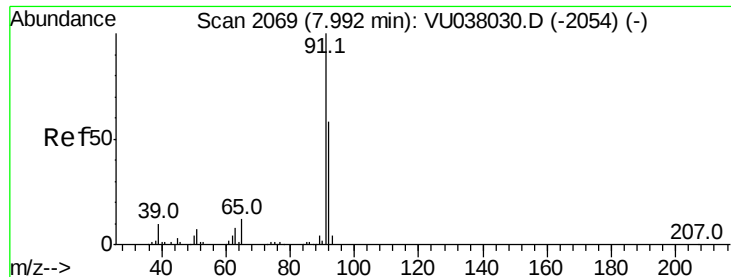
58 39.6 32.2 48.4

100 14.7 12.1 18.1



Abundance Ion 43.05 (42.75 to 43.75): VU038029.D (-1922) (-)





#42

Toluene

Concen: 1.002 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

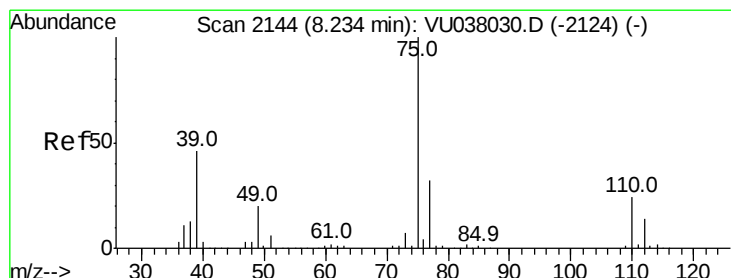
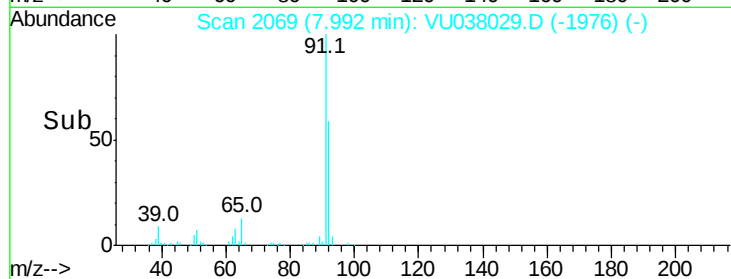
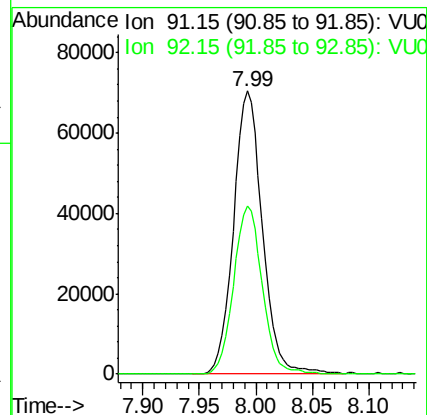
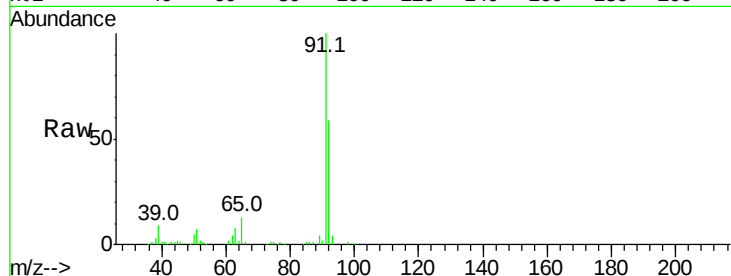
VSTD00101

Tgt Ion: 91 Resp: 125032

Ion Ratio Lower Upper

91 100

92 59.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038029.D

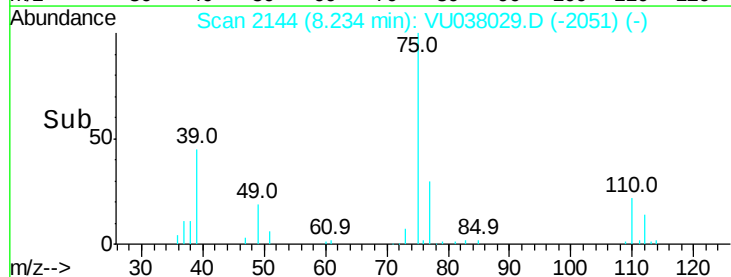
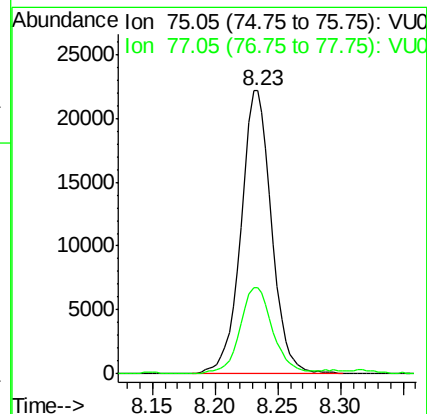
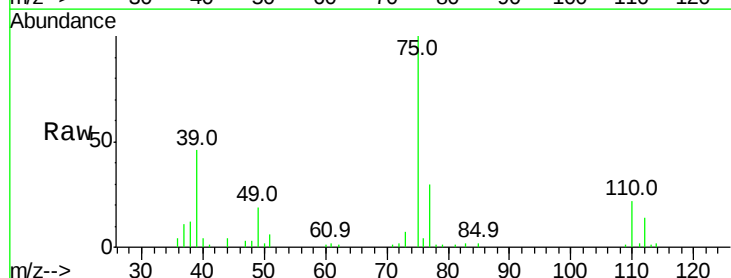
Acq: 07 May 2020 10:10

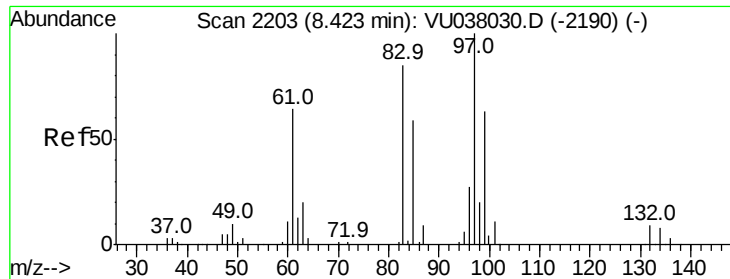
Tgt Ion: 75 Resp: 37513

Ion Ratio Lower Upper

75 100

77 30.4 22.4 41.6

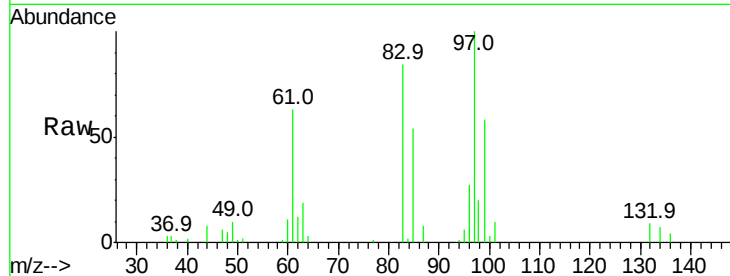




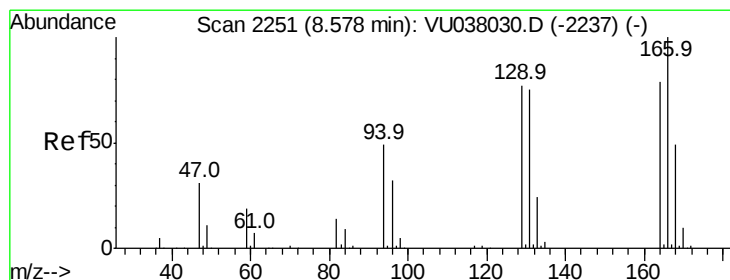
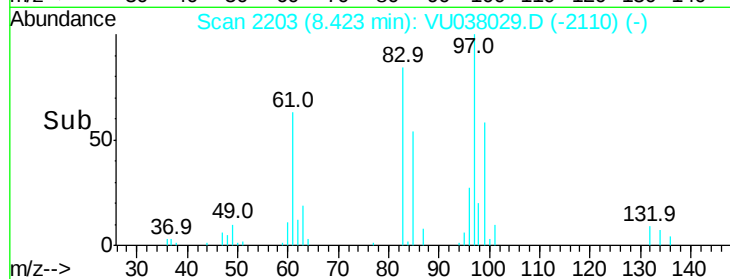
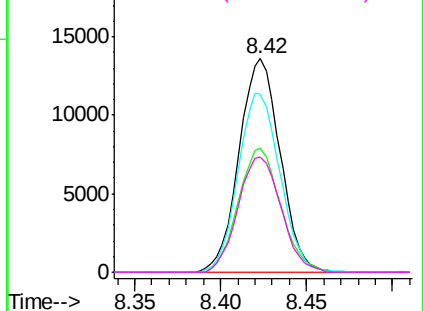
#45
 1,1,2-Trichloroethane
 Concen: 1.063 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:	97	Resp:	22646
Ion	Ratio	Lower	Upper
97	100		
99	58.2	44.0	81.6
83	83.6	59.6	110.8
85	53.9	41.3	76.7

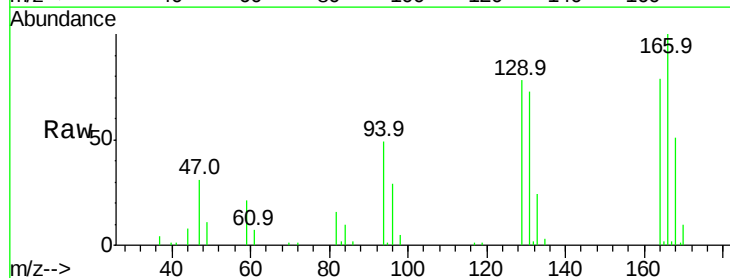


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

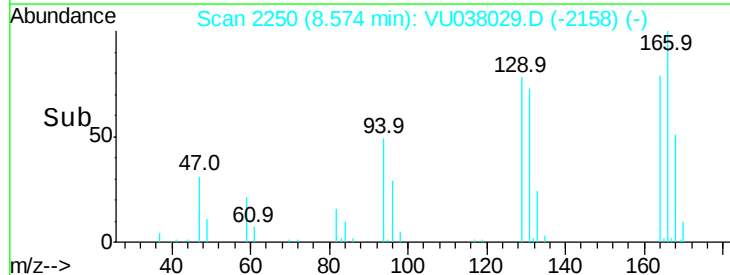
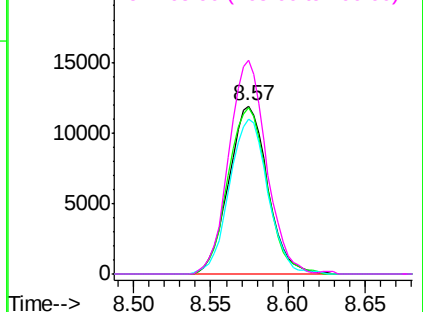


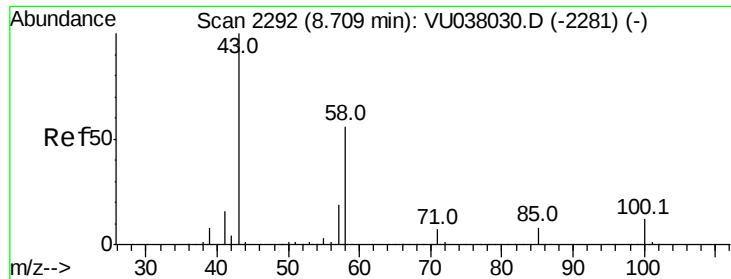
#47
 Tetrachloroethene
 Concen: 0.987 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion:	164	Resp:	20770
Ion	Ratio	Lower	Upper
164	100		
129	99.0	68.8	127.8
131	92.5	66.8	124.2
166	127.3	88.9	165.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

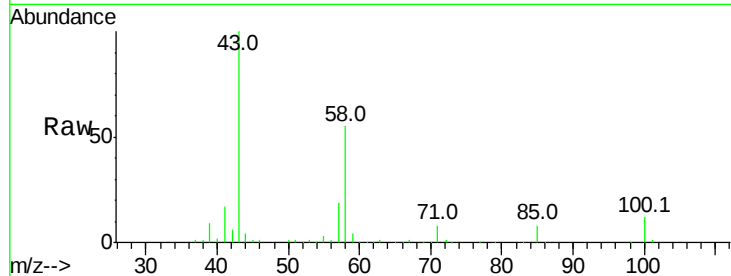




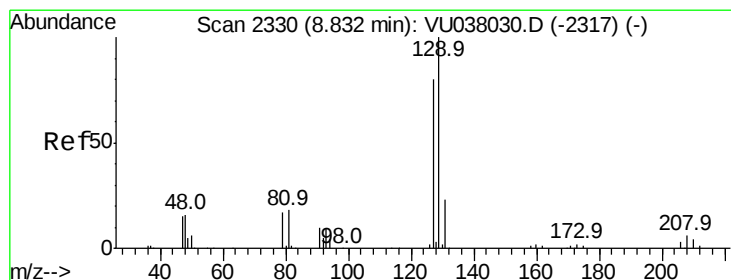
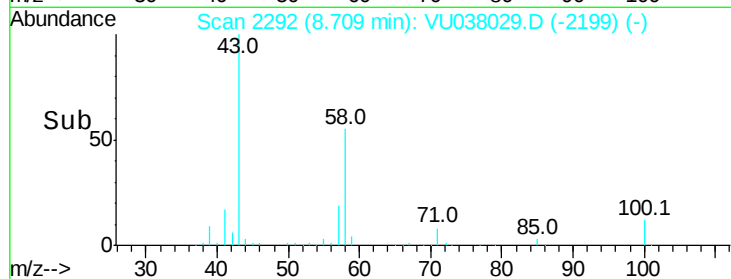
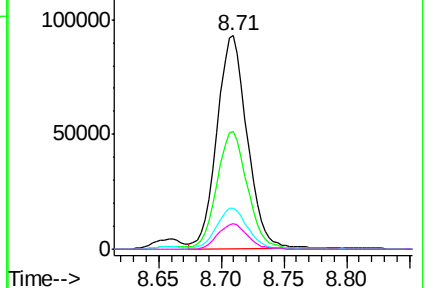
#48
2-Hexanone
Concen: 9.385 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion: 43 Resp: 156105
Ion Ratio Lower Upper
43 100
58 55.6 45.2 67.8
57 19.1 15.5 23.3
100 11.8 9.5 14.3

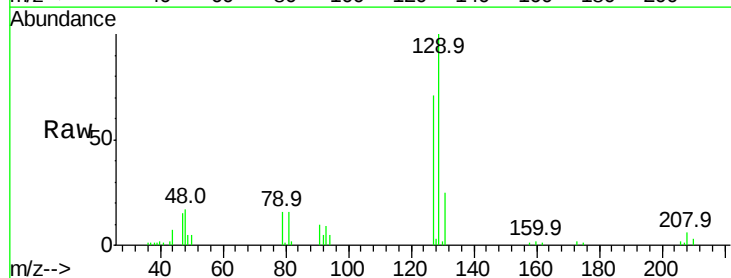


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

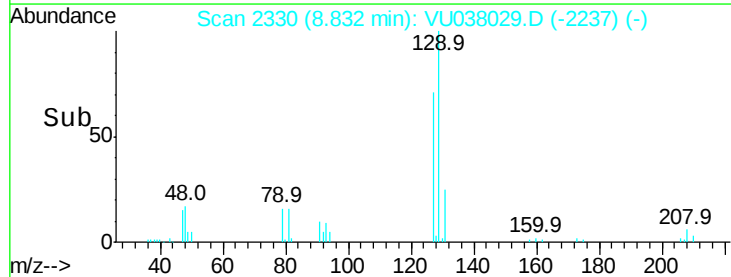
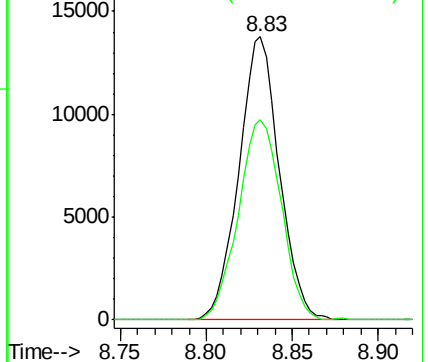


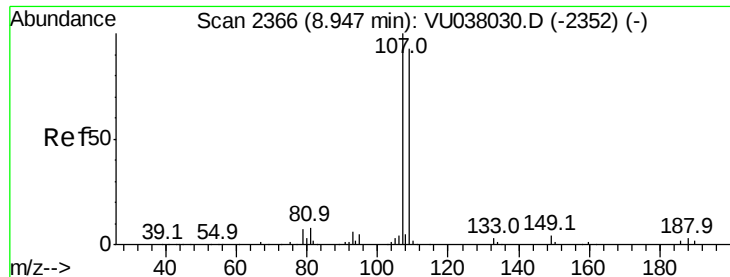
#49
Dibromochloromethane
Concen: 0.922 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Tgt Ion: 129 Resp: 22440
Ion Ratio Lower Upper
129 100
127 70.5 55.6 103.4



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

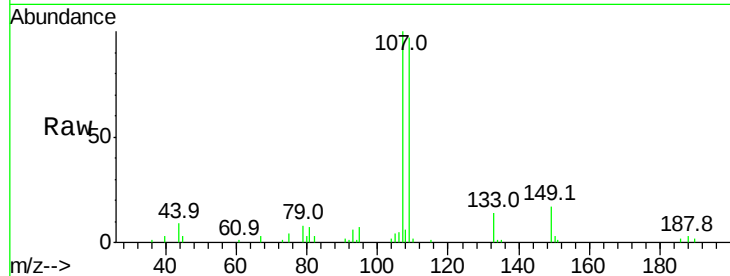




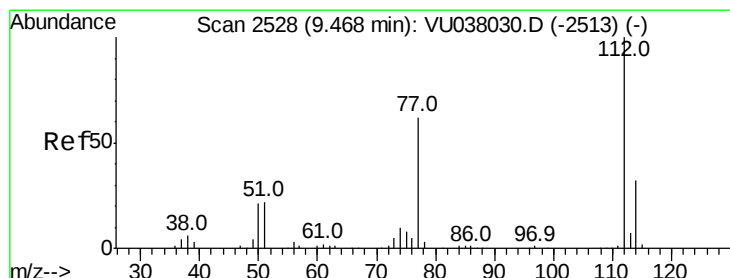
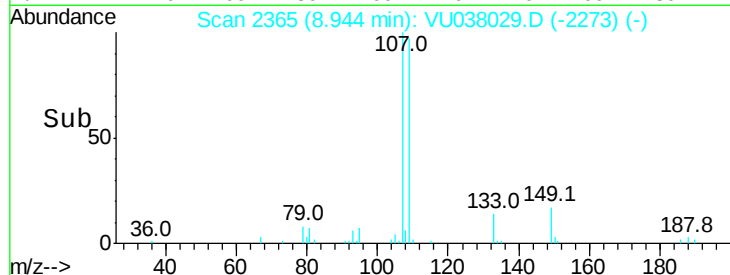
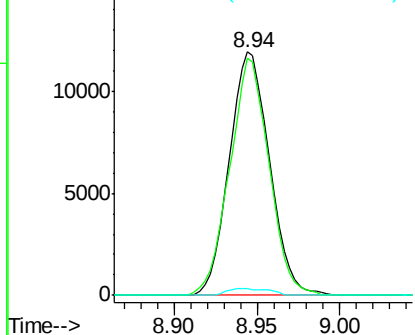
#50
1,2-Dibromoethane
Concen: 0.985 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:107 Resp: 20168
Ion Ratio Lower Upper
107 100
109 97.2 65.1 120.9
188 2.6 2.6 4.0#

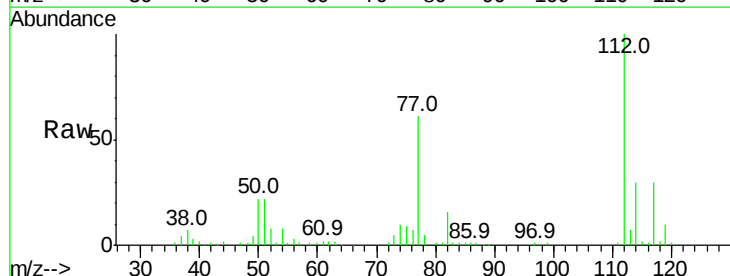


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

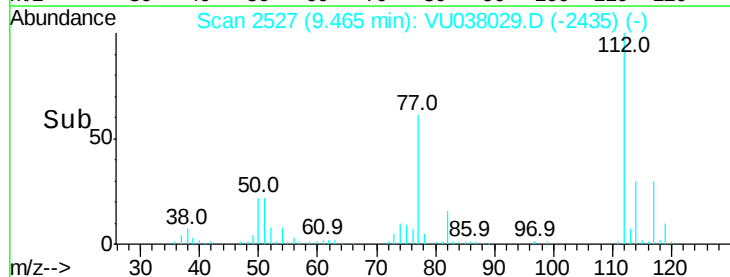
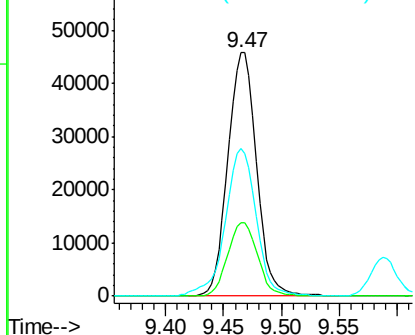


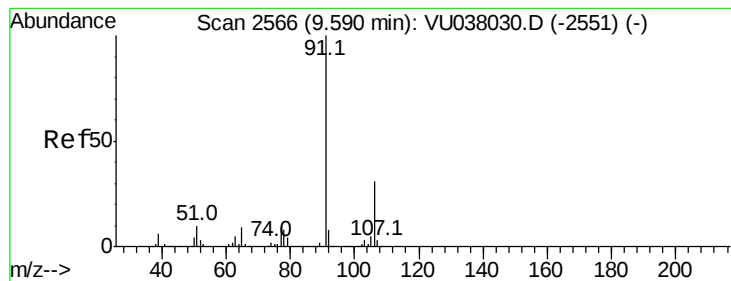
#51
Chlorobenzene
Concen: 1.028 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Tgt Ion:112 Resp: 78317
Ion Ratio Lower Upper
112 100
114 30.3 22.5 41.7
77 60.8 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: 0.947 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

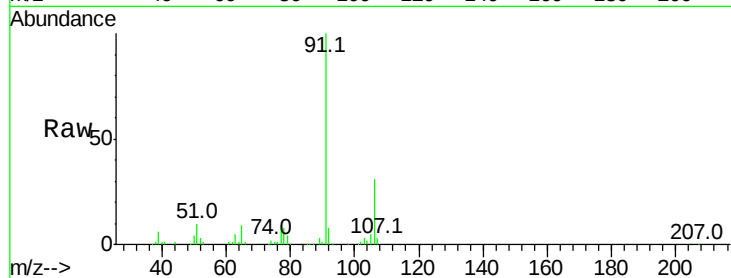
VSTD00101

Tgt Ion: 91 Resp: 131494

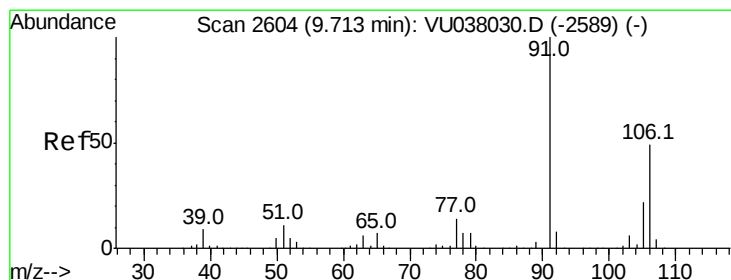
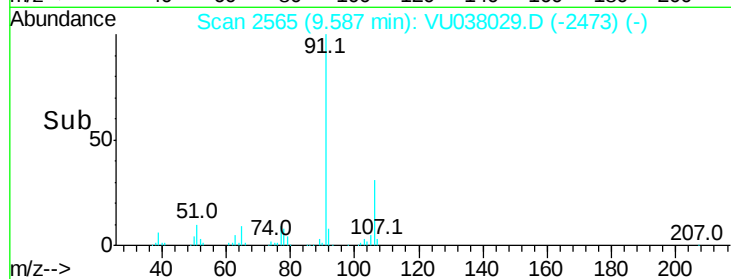
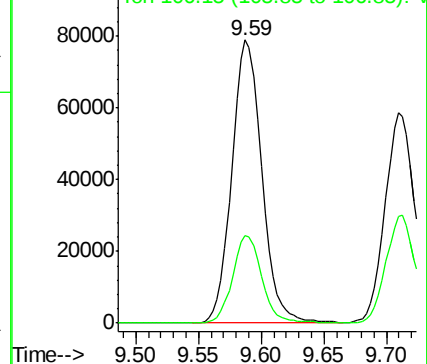
Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038030.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.968 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038029.D

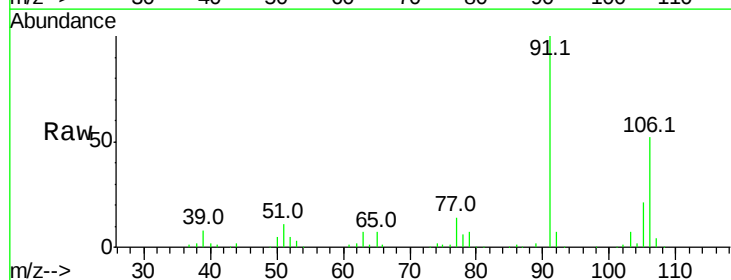
Acq: 07 May 2020 10:10

Tgt Ion: 106 Resp: 50886

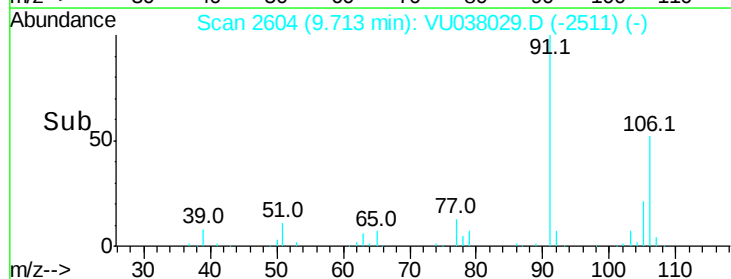
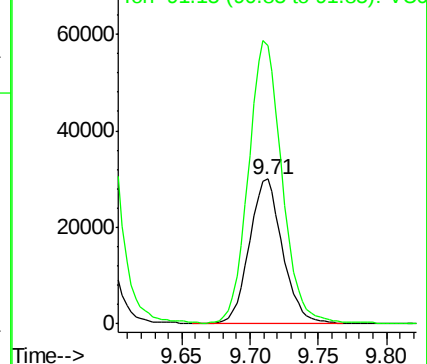
Ion Ratio Lower Upper

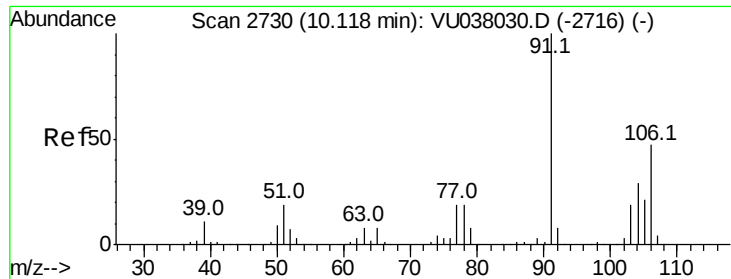
106 100

91 192.3 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038030.D (-2589) (-)

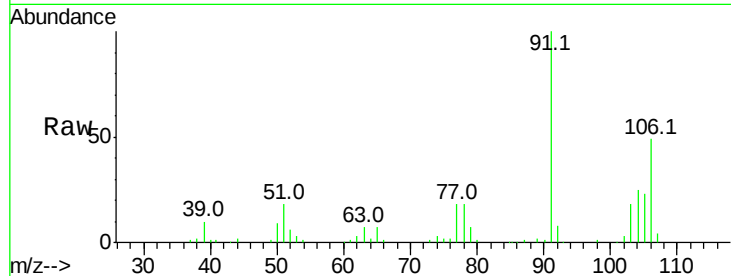




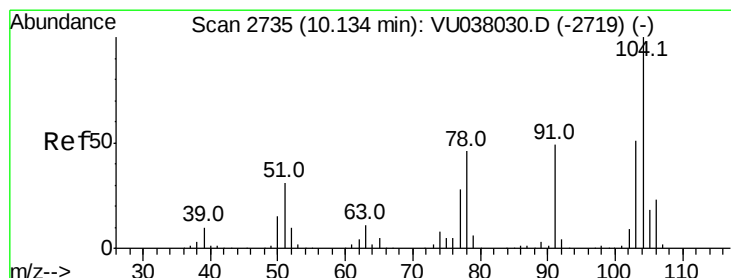
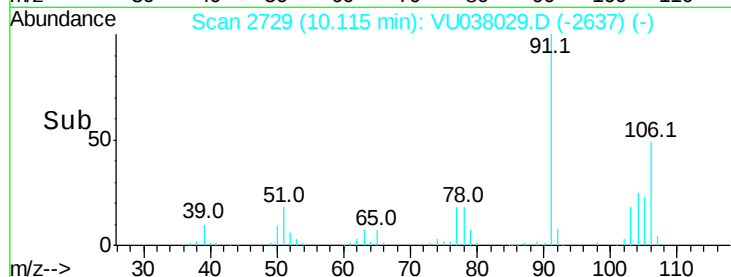
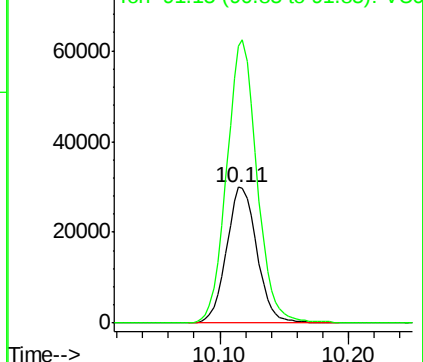
#54
o-Xylene
Concen: 0.949 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tgt Ion:106 Resp: 49103
Ion Ratio Lower Upper
106 100
91 203.7 148.5 275.9

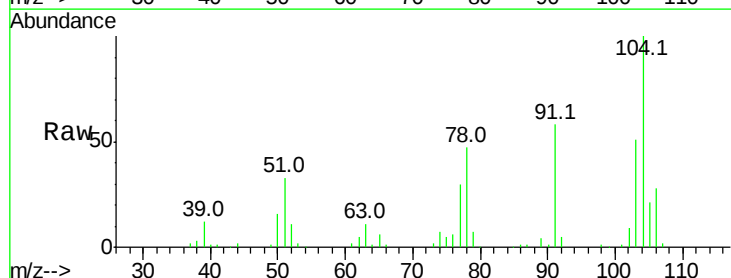


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

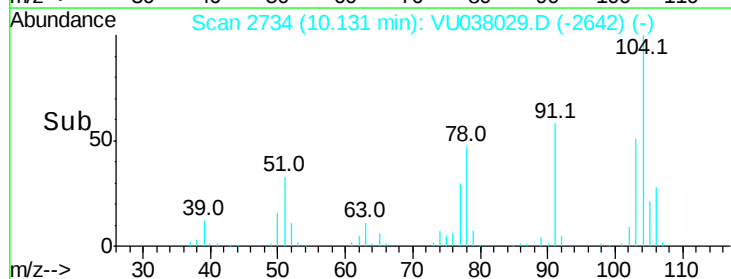
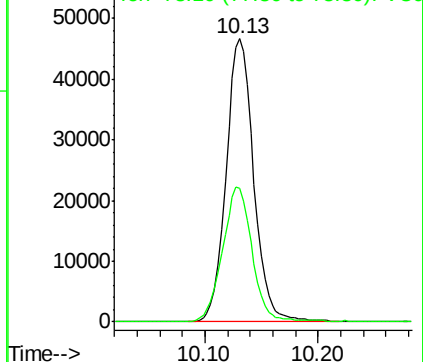


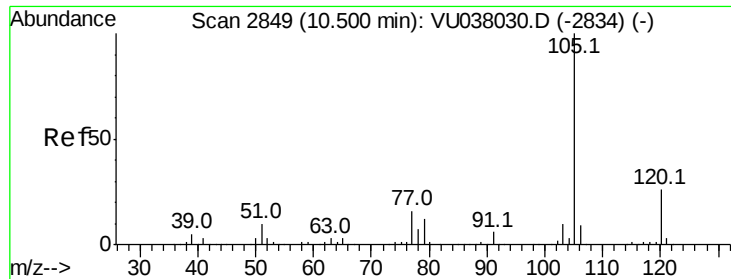
#55
Styrene
Concen: 0.895 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038029.D
Acq: 07 May 2020 10:10

Tgt Ion:104 Resp: 79133
Ion Ratio Lower Upper
104 100
78 47.2 32.3 59.9



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





#56

Isopropylbenzene

Concen: 0.898 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

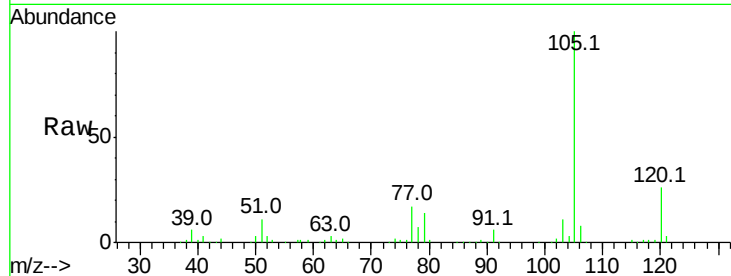
Tgt Ion:105 Resp: 121775

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

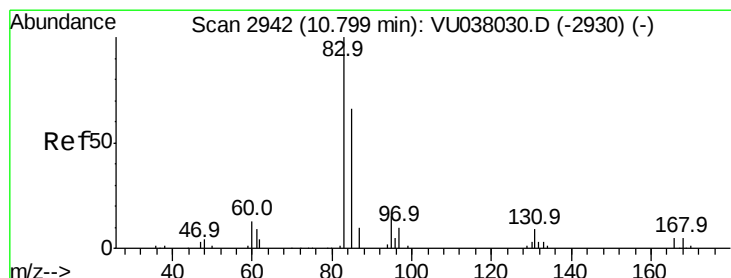
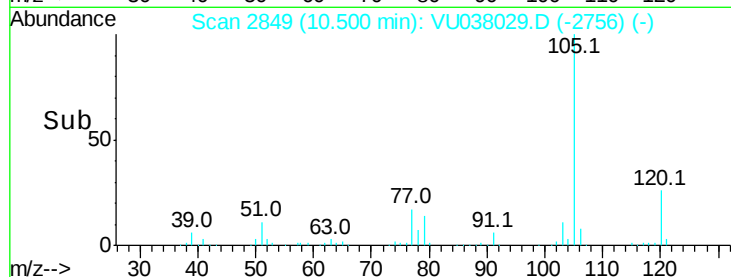
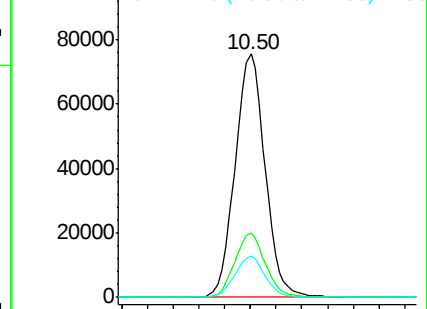
77 17.0 13.0 19.4



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: 0.988 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

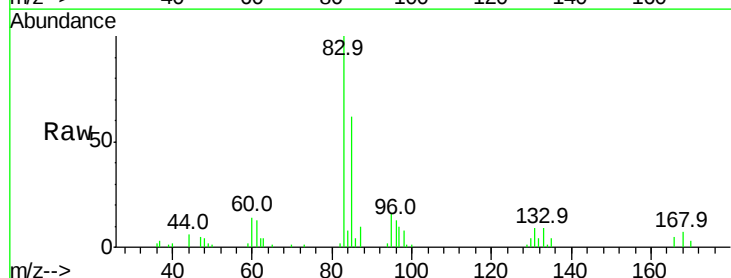
Tgt Ion: 83 Resp: 27374

Ion Ratio Lower Upper

83 100

85 62.3 47.0 87.2

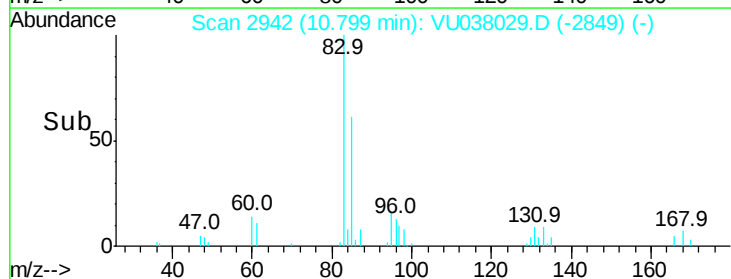
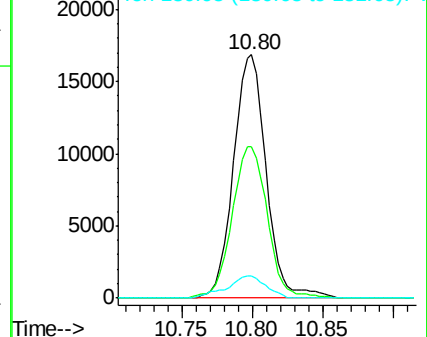
131 9.2 7.7 11.5

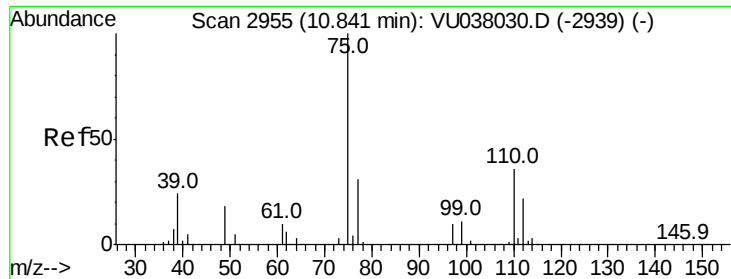


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.039 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

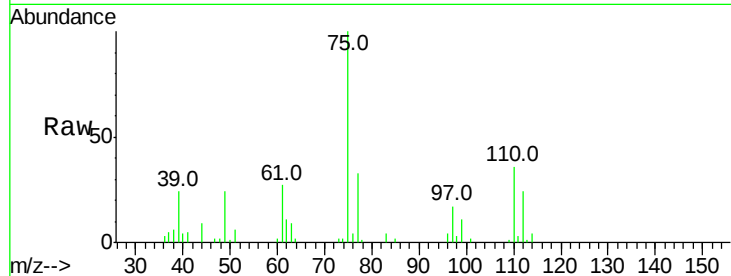
VSTD00101

Tgt Ion: 75 Resp: 21488

Ion Ratio Lower Upper

75 100

77 34.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038030.D (-2939) (-)

Ion 77.00 (76.70 to 77.70): VU038030.D (-2939) (-)

10.84

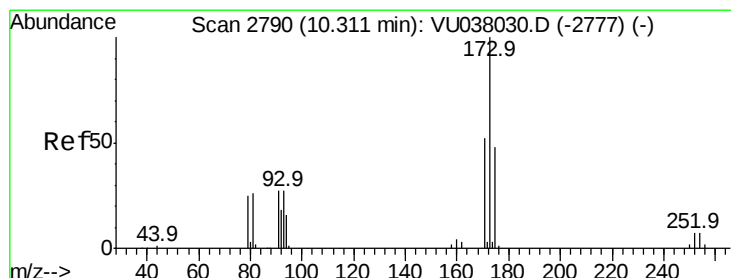
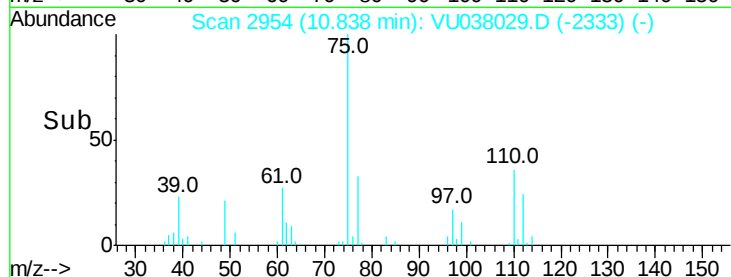
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 0.845 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

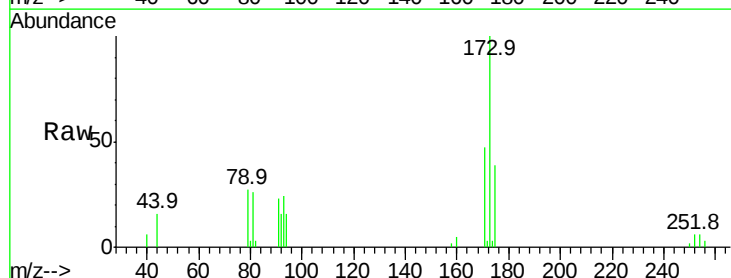
Tgt Ion: 173 Resp: 11669

Ion Ratio Lower Upper

173 100

175 44.4 39.5 59.3

254 4.8 5.0 7.4#



Abundance Ion 172.90 (172.60 to 173.60): VU038030.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038030.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038030.D (-2777) (-)

10000

8000

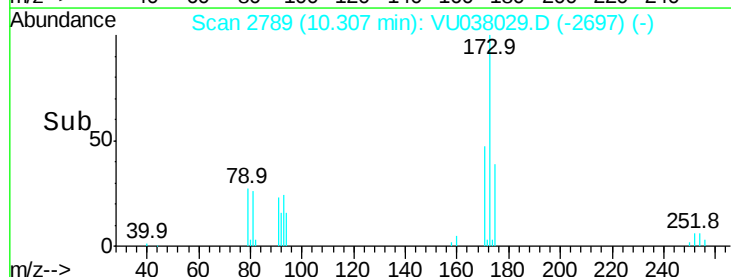
6000

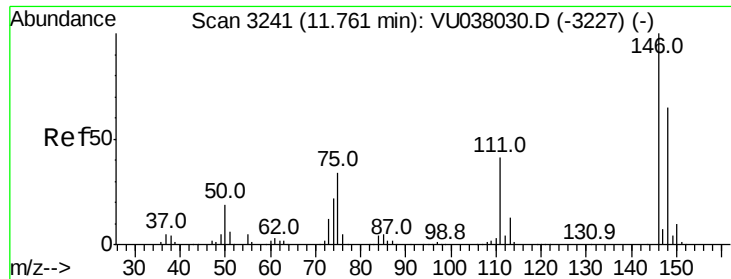
4000

2000

0

Time-->

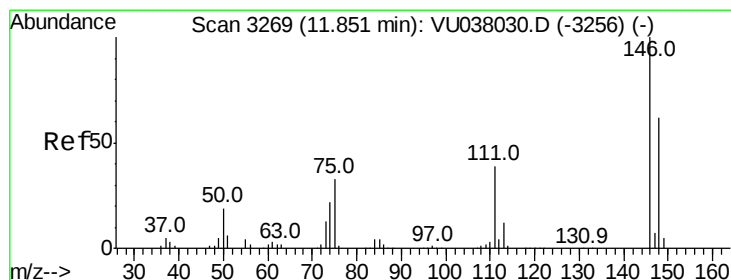
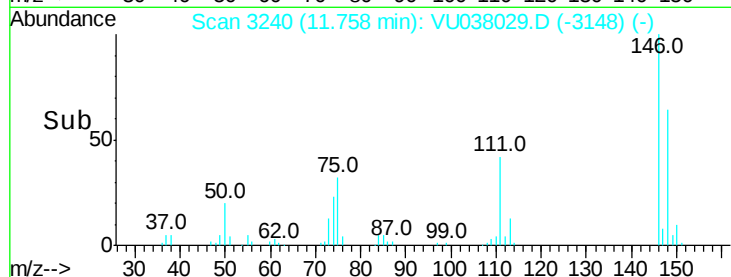
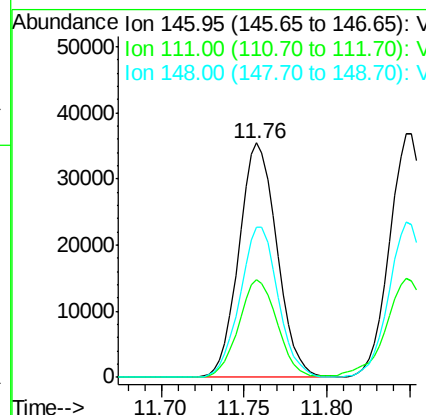
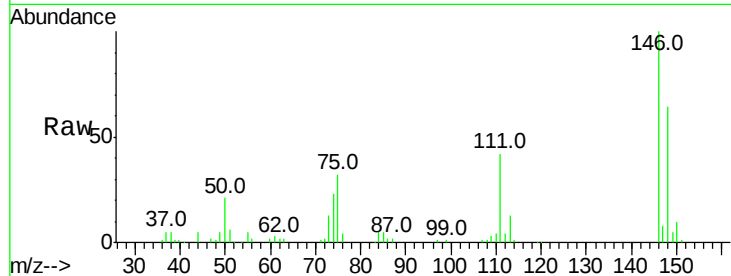




#62
 1,3-Dichlorobenzene
 Concen: 0.972 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

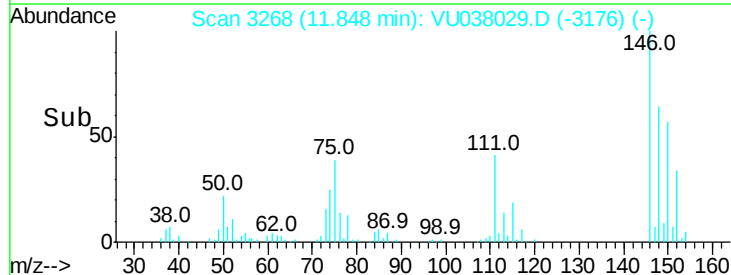
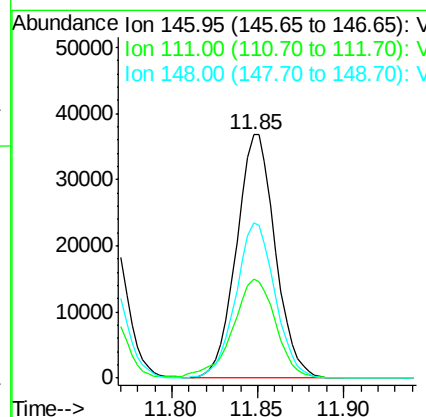
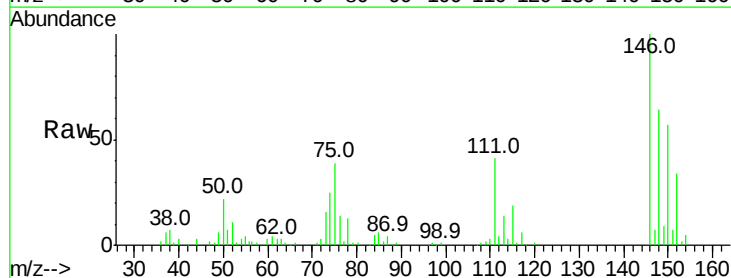
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

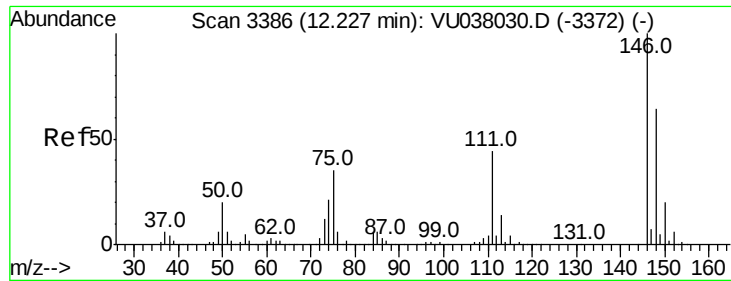
Tgt Ion:146 Resp: 56582
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.6 53.2
 148 64.3 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 0.988 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion:146 Resp: 57694
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.2 50.6
 148 64.0 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 1.039 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

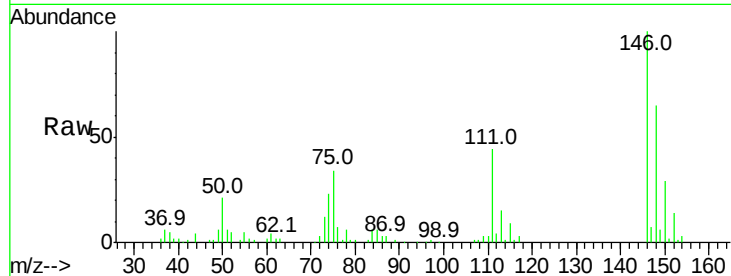
Tgt Ion:146 Resp: 56954

Ion Ratio Lower Upper

146 100

111 44.3 35.3 52.9

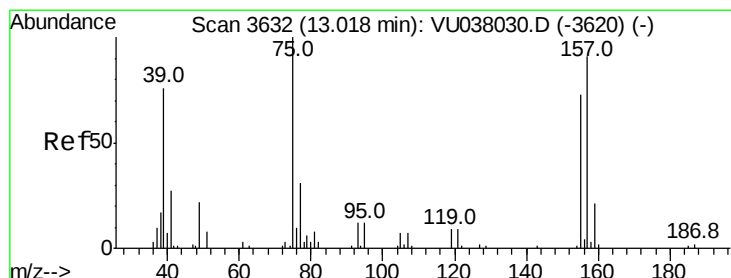
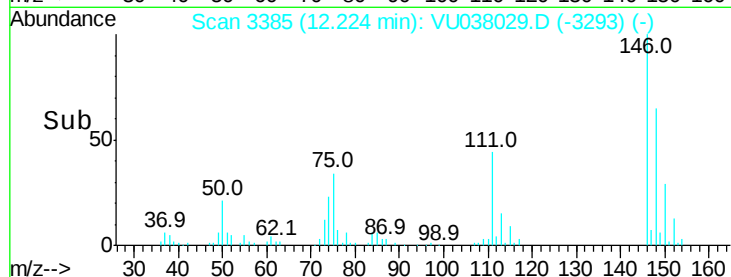
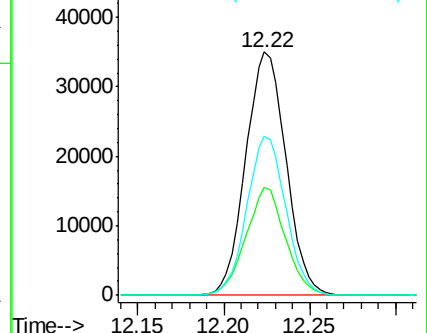
148 65.4 51.0 76.4



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: 0.848 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

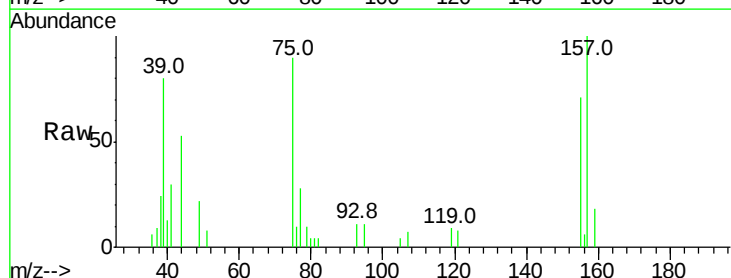
Tgt Ion: 75 Resp: 4306

Ion Ratio Lower Upper

75 100

155 78.5 58.2 87.2

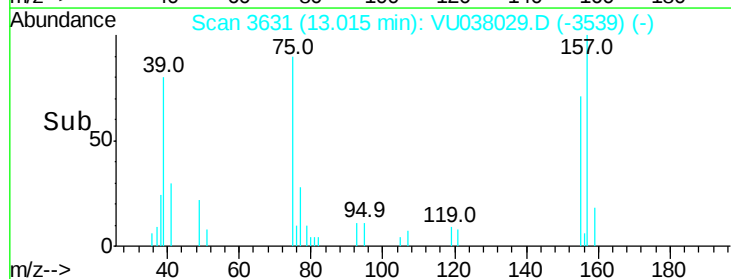
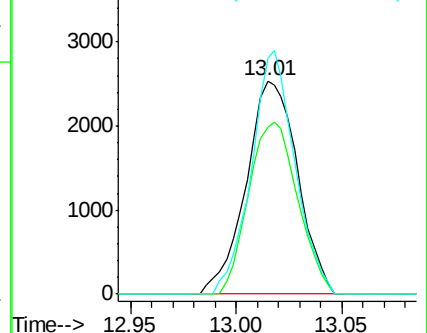
157 110.6 72.9 109.3#

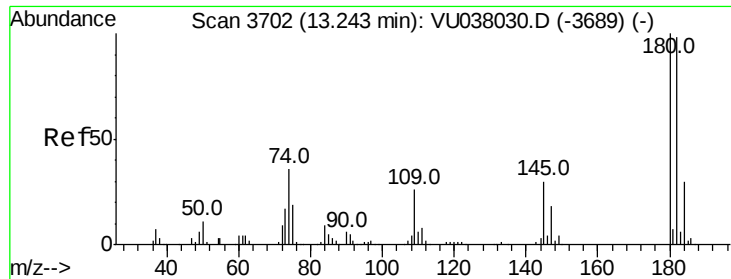


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

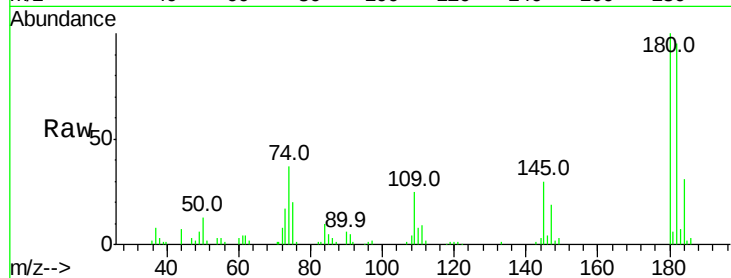




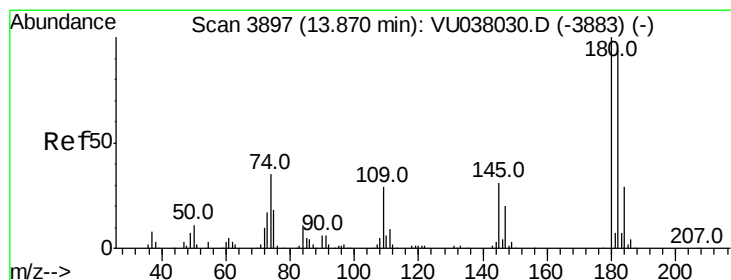
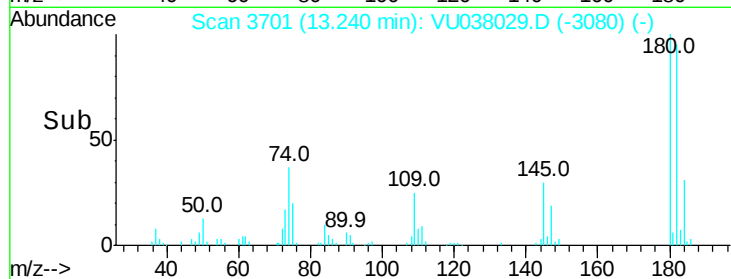
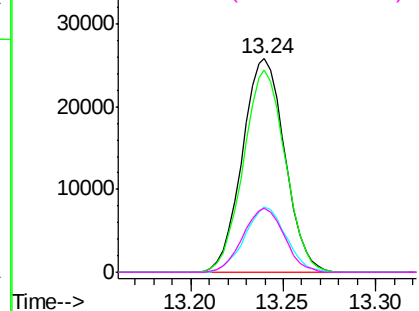
#67
 1,3,5-Trichlorobenzene
 Concen: 0.965 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tgt Ion:180 Resp: 41198
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.4 116.2
 184 29.4 24.2 36.2
 145 29.2 24.0 36.0

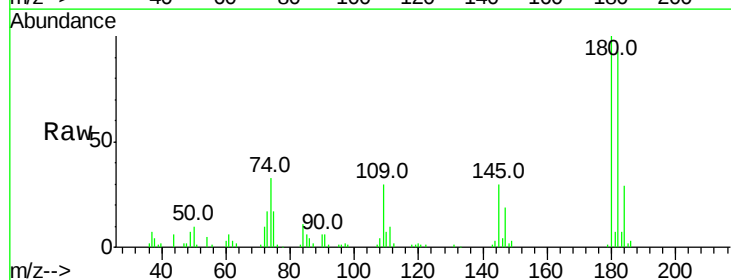


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

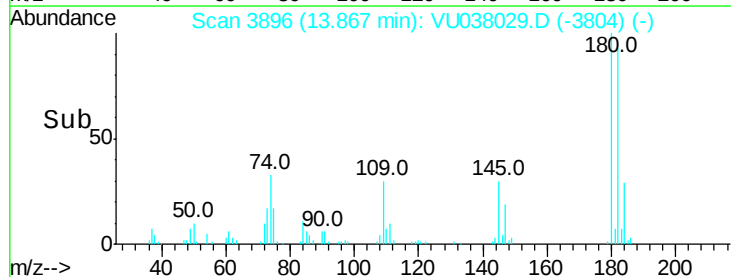
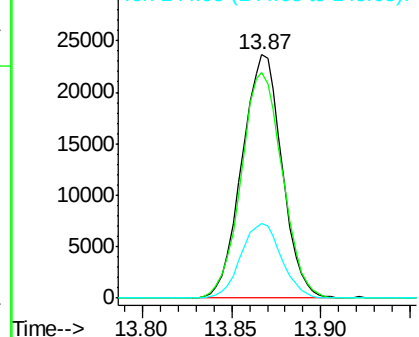


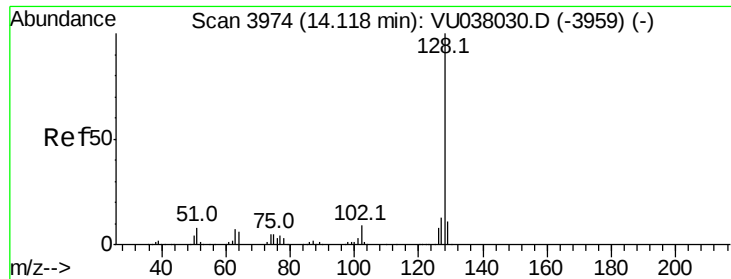
#68
 1,2,4-trichlorobenzene
 Concen: 0.948 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038029.D
 Acq: 07 May 2020 10:10

Tgt Ion:180 Resp: 37147
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.6
 145 30.8 24.8 37.2



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: 0.931 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

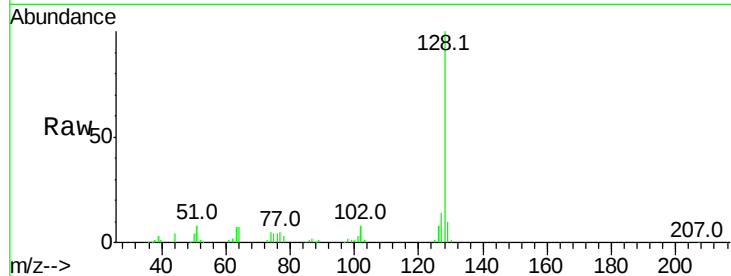
Tgt Ion:128 Resp: 73844

Ion Ratio Lower Upper

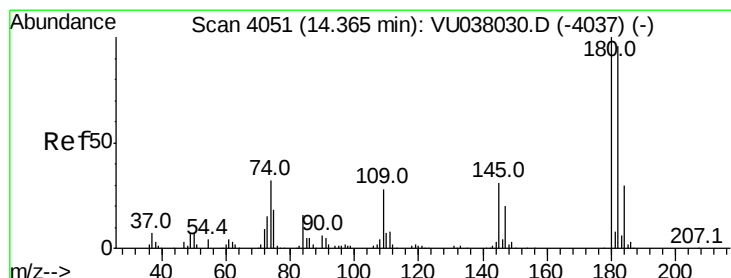
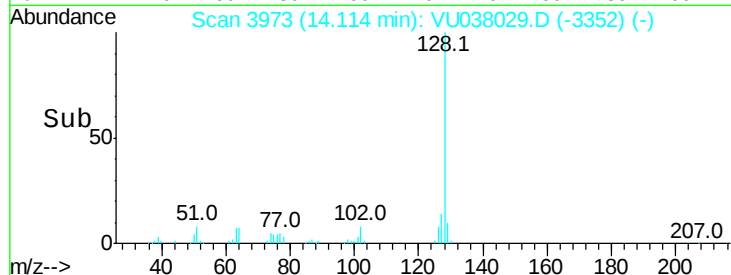
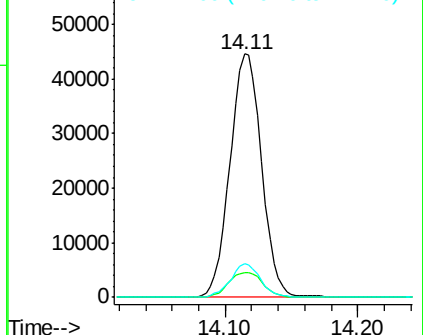
128 100

129 11.0 8.7 13.1

127 13.0 10.2 15.4



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: 0.959 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU038029.D

Acq: 07 May 2020 10:10

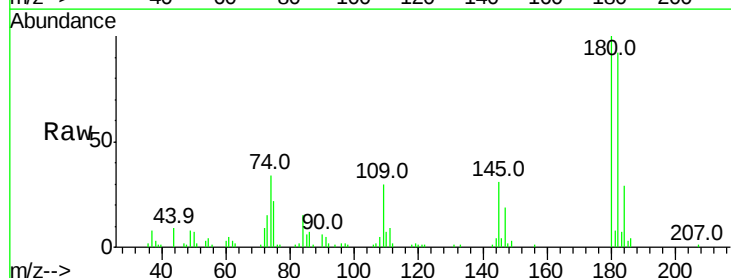
Tgt Ion:180 Resp: 33490

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 33.8 26.1 39.1



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

