

Data File : VU038940.D
Acq On : 17 Jun 2020 12:37
Operator : SY/MD
Sample : VSTD020
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Quant Time: Jun 17 12:56:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 17 12:20:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	304799	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	300886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	164550	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	389257	25.65	ug/L	0.00
7) Chloroethane-d5	1.93	69	316308	21.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	839705	22.80	ug/L	0.00
20) 2-Butanone-d5	4.69	46	1398928	254.50	ug/L	0.00
24) Chloroform-d	5.10	84	806709	21.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	452332	21.39	ug/L	0.00
32) Benzene-d6	5.76	84	1562014	23.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	471166	22.57	ug/L	0.00
41) Toluene-d8	7.92	98	1418446	22.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	229314	24.84	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	1366497	300.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	475534	24.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	591455	21.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	548413	18.486	ug/L	100
3) Chloromethane	1.53	50	502260	20.295	ug/L	100
5) Vinyl chloride	1.62	62	526838	20.180	ug/L	99
6) Bromomethane	1.88	94	311214	19.410	ug/L	95
8) Chloroethane	1.95	64	298744	15.391	ug/L	98
9) Trichlorofluoromethane	2.16	101	884274	19.500	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	426435	18.959	ug/L	100
12) 1,1-Dichloroethene	2.60	96	409297	19.003	ug/L	90
13) Acetone	2.70	43	867456	192.849	ug/L	99
14) Carbon disulfide	2.82	76	1383718	19.351	ug/L	100
15) Methyl Acetate	2.99	43	217449	19.817	ug/L	94
16) Methylene chloride	3.08	84	440146	17.772	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	1147448	20.877	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	439128	19.245	ug/L	96
19) 1,1-Dichloroethane	3.91	63	781004	18.668	ug/L	99
21) 2-Butanone	4.77	43	1513502	206.983	ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	461913	19.356	ug/L	97
23) Bromochloromethane	5.02	128	212012	18.765	ug/L	97
25) Chloroform	5.13	83	795460	18.245	ug/L	99
27) 1,2-Dichloroethane	5.83	62	572418	18.497	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	724855	19.448	ug/L	100
30) Cyclohexane	5.42	56	744000	22.161	ug/L	99
31) Carbon tetrachloride	5.56	117	622997	19.640	ug/L	100
33) Benzene	5.81	78	1764156	19.741	ug/L	100
34) Trichloroethene	6.57	95	447008	19.155	ug/L	99
35) Methylcyclohexane	6.79	83	777671	22.368	ug/L	98
37) 1,2-Dichloropropane	6.82	63	449528	19.494	ug/L	99
38) Bromodichloromethane	7.13	83	591009	19.490	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	720652	21.850	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	3452130	219.458	ug/L	99

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42) Toluene	7.99	91	1896767	20.137	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	665611	22.065	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	343716	19.498	ug/L	99
47) Tetrachloroethene	8.57	164	349917	19.564	ug/L	97
48) 2-Hexanone	8.71	43	2655097	212.916	ug/L	99
49) Dibromochloromethane	8.83	129	416223	20.350	ug/L	99
50) 1,2-Dibromoethane	8.94	107	346785	20.296	ug/L	99
51) Chlorobenzene	9.47	112	1190981	19.430	ug/L	99
52) Ethylbenzene	9.59	91	2179323	20.794	ug/L	100
53) m,p-Xylene	9.71	106	828368	21.034	ug/L	100
54) o-Xylene	10.11	106	797605	21.051	ug/L	97
55) Styrene	10.13	104	1419115	21.562	ug/L	99
56) Isopropylbenzene	10.50	105	2149975	21.850	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	483978	21.415	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	352333	19.826	ug/L	99
61) Bromoform	10.31	173	256959	20.487	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	1000228	19.281	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1017288	19.358	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	977957	18.970	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	93066	20.387	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	784232	20.064	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	748246	22.854	ug/L	99
69) Naphthalene	14.11	128	1561890	25.373	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	691956	22.587	ug/L	99

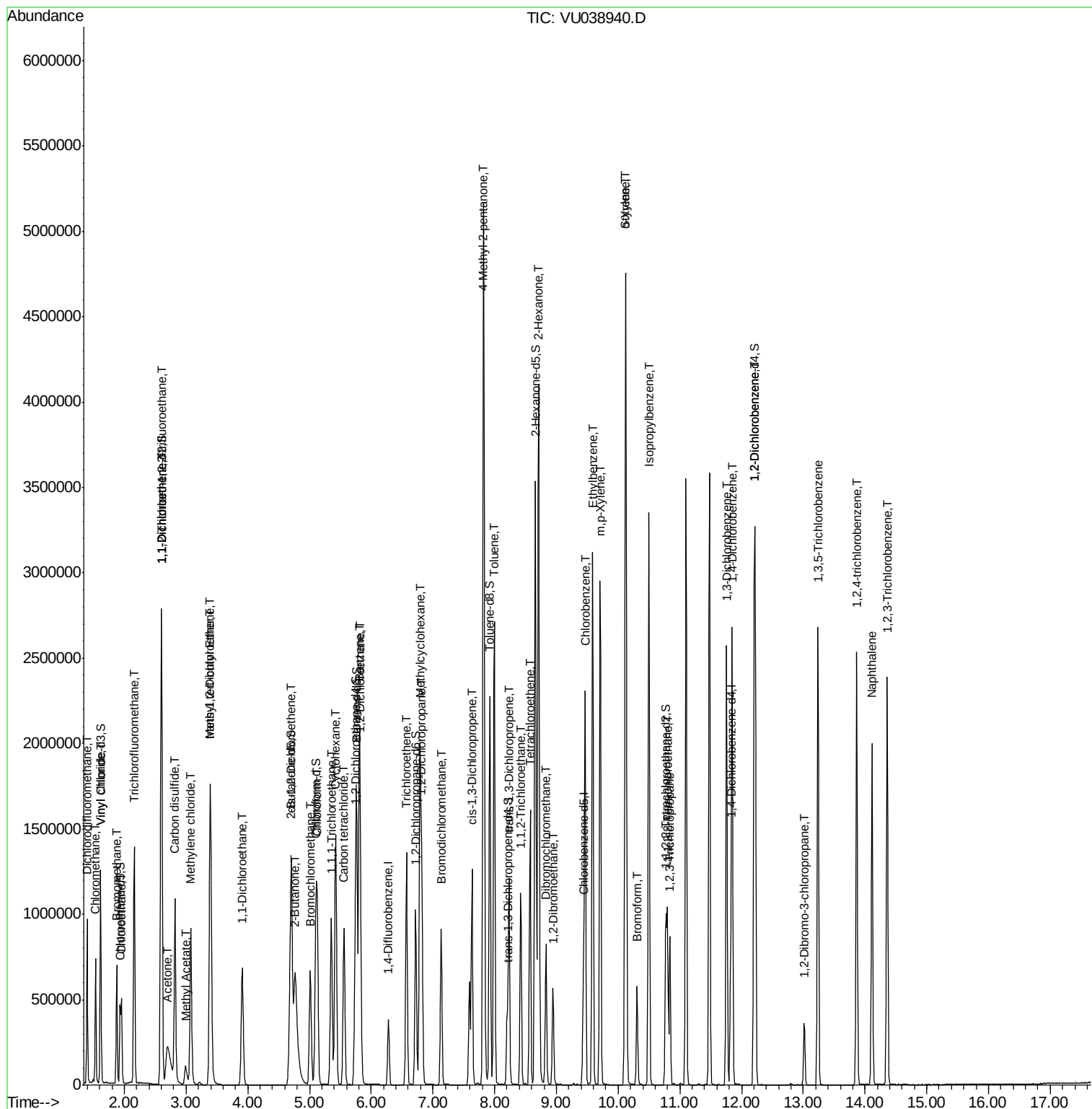
(#) = qualifier out of range (m) = manual integration (+) = signals summed

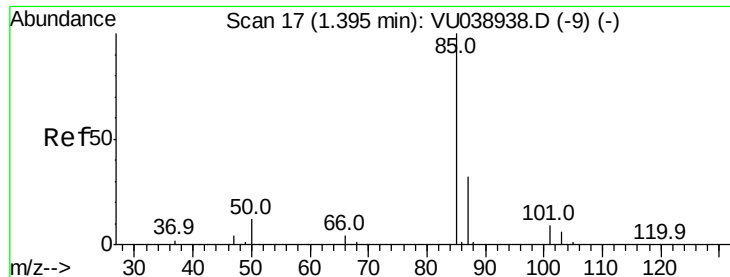
Data File : VU038940.D

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#2

Dichlorodifluoromethane

Concen: 18.486 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

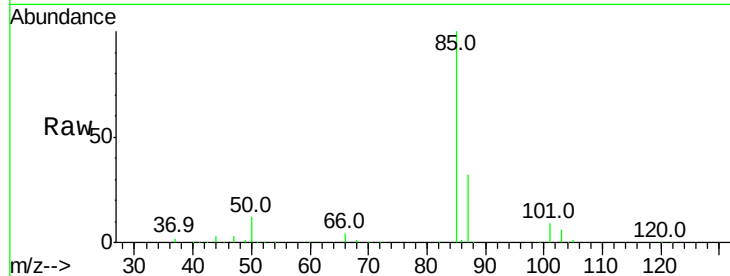
VSTD02002

Tgt Ion: 85 Resp: 548413

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038938.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038938.D (-9) (-)

1.39

600000

500000

400000

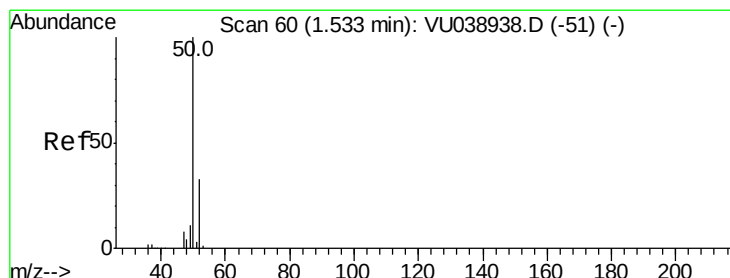
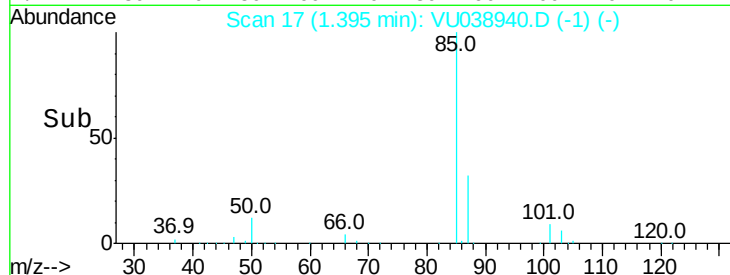
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 20.295 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038940.D

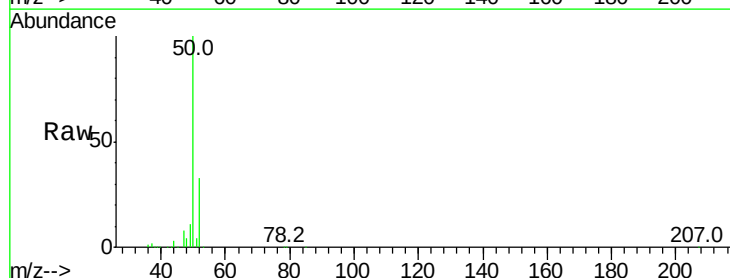
Acq: 17 Jun 2020 12:37

Tgt Ion: 50 Resp: 502260

Ion Ratio Lower Upper

50 100

52 33.3 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038938.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038938.D (-51) (-)

1.53

500000

400000

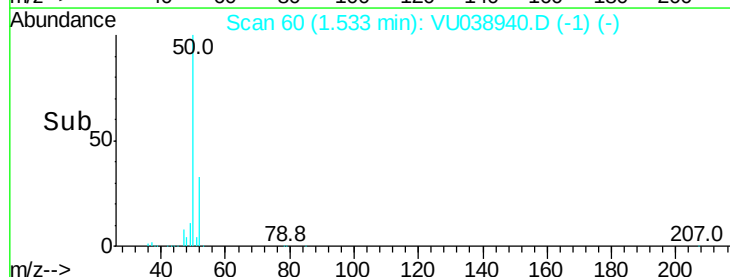
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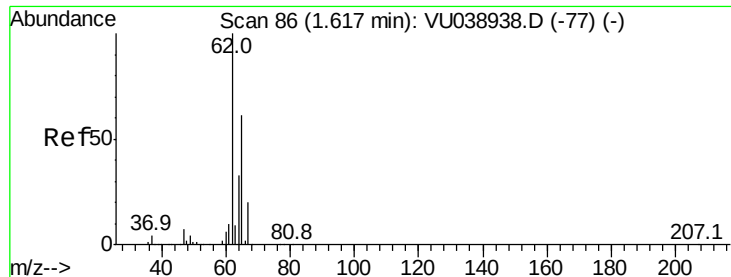
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 20.180 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

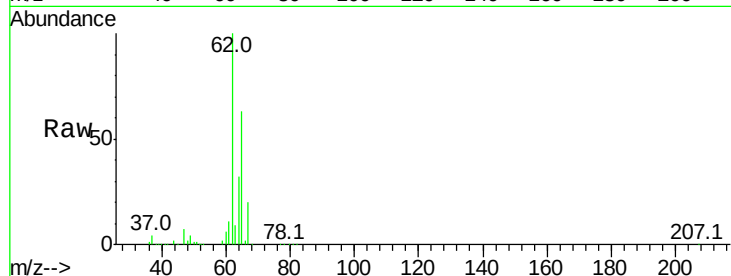
VSTD02002

Tgt Ion: 62 Resp: 526838

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU038938.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038938.D (-77) (-)

1.62

500000

400000

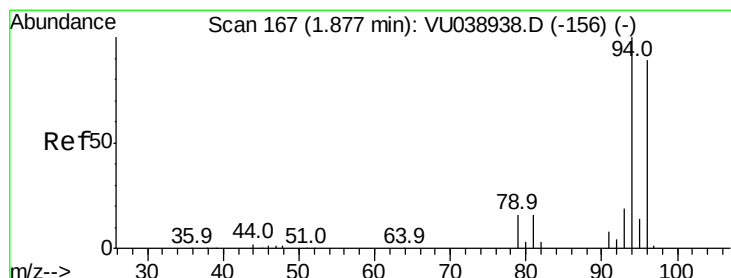
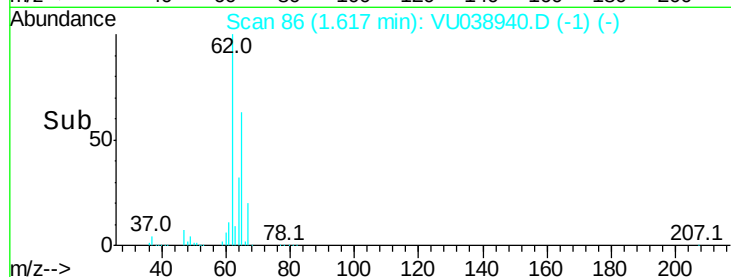
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 19.410 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038940.D

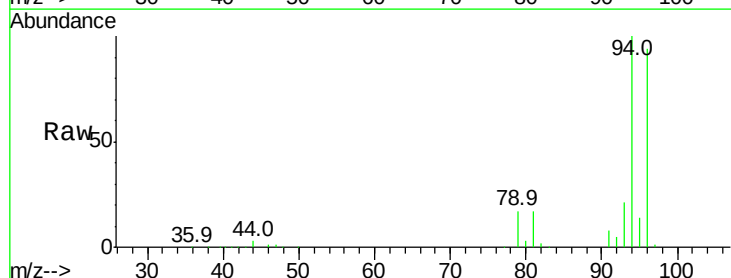
Acq: 17 Jun 2020 12:37

Tgt Ion: 94 Resp: 311214

Ion Ratio Lower Upper

94 100

96 94.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU038938.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038938.D (-156) (-)

1.88

250000

200000

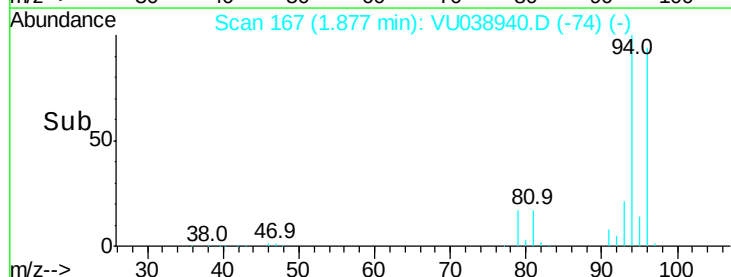
150000

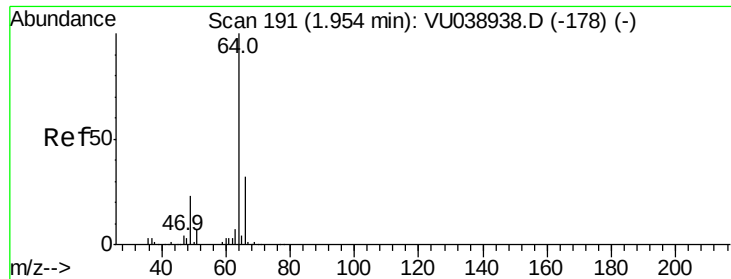
100000

50000

0

Time--> 1.80 1.85 1.90 1.95 2.00





#8

Chloroethane

Concen: 15.391 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

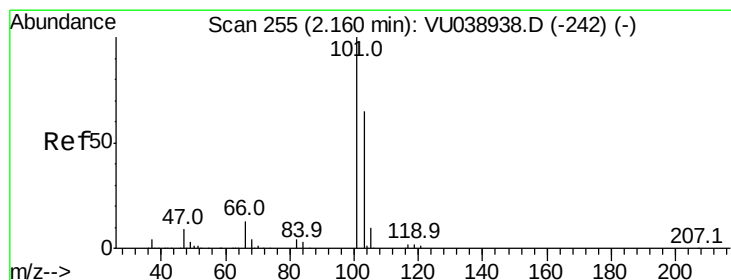
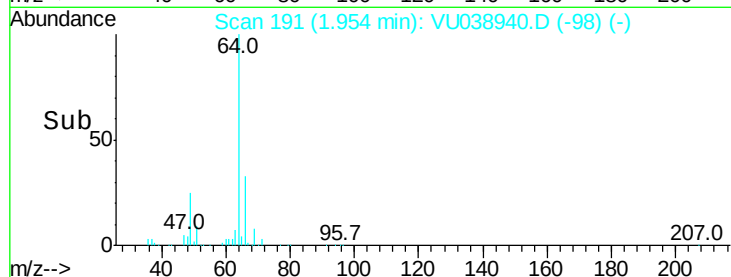
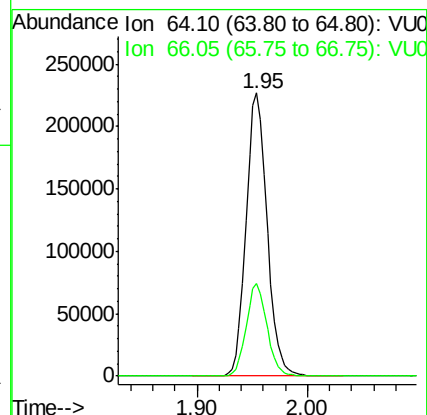
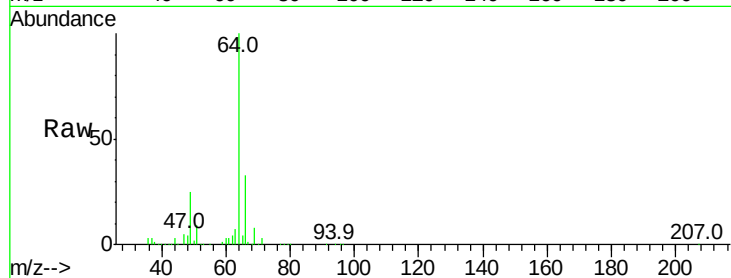
VSTD02002

Tgt Ion: 64 Resp: 298744

Ion Ratio Lower Upper

64 100

66 32.7 22.1 41.1



#9

Trichlorofluoromethane

Concen: 19.500 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038940.D

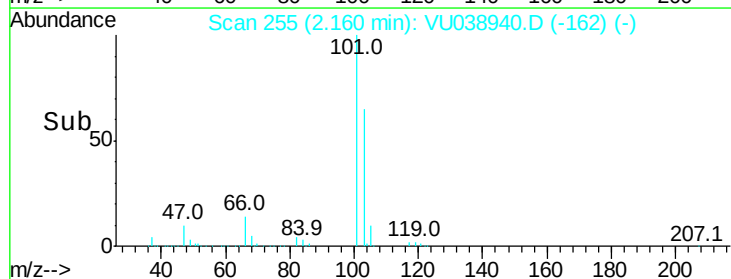
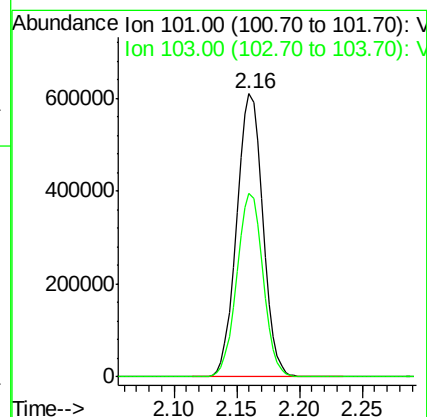
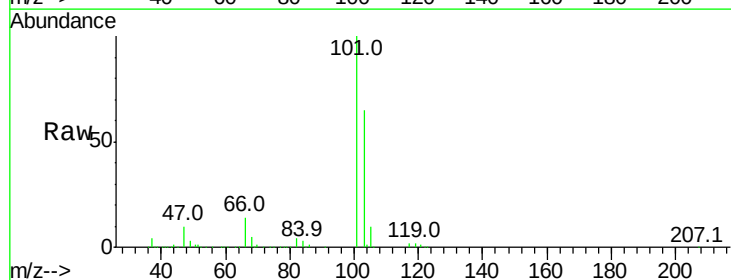
Acq: 17 Jun 2020 12:37

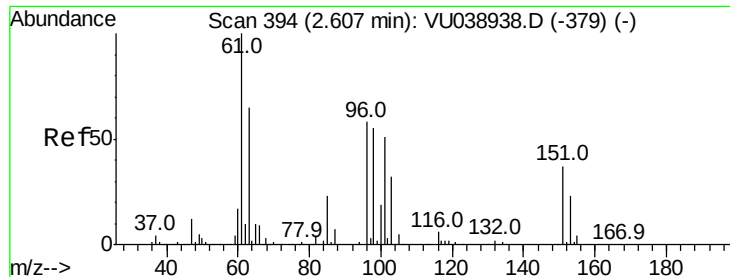
Tgt Ion: 101 Resp: 884274

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2





#10

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

Concen: 18.959 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

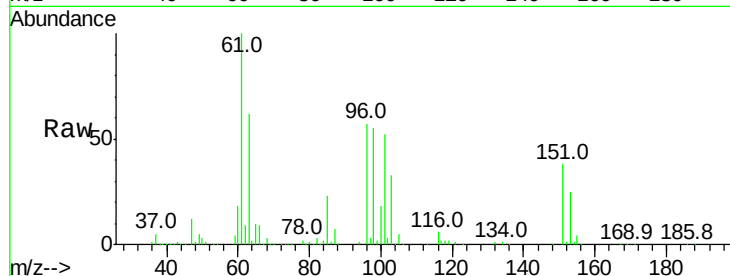
Tgt Ion:101 Resp: 426435

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

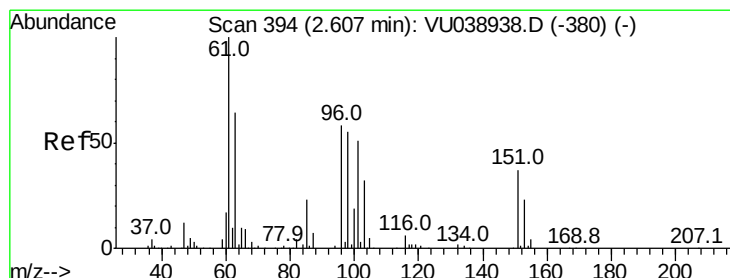
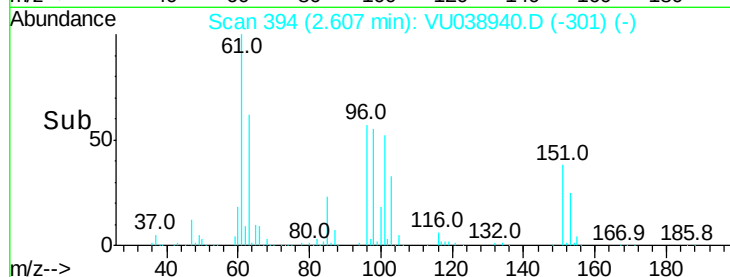
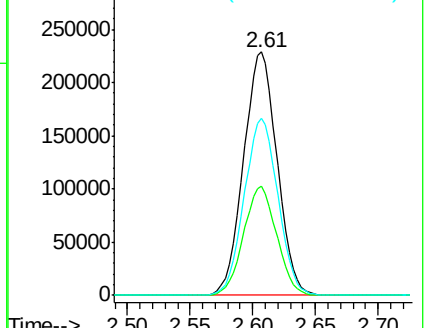
151 73.1 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.003 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

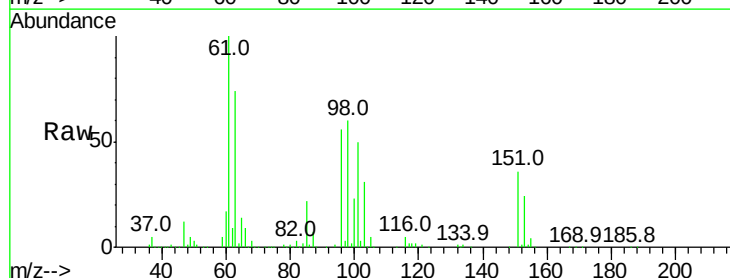
Tgt Ion: 96 Resp: 409297

Ion Ratio Lower Upper

96 100

61 178.6 120.3 223.5

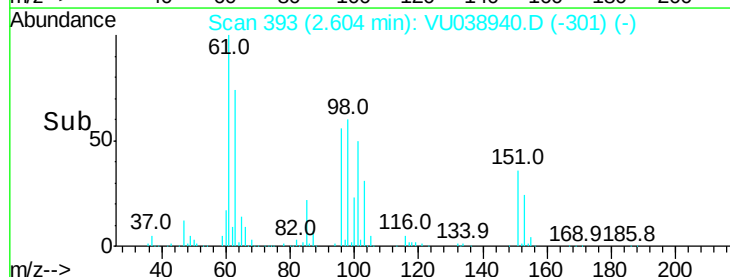
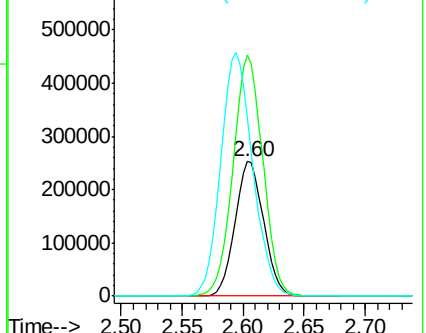
63 132.3 78.7 146.1

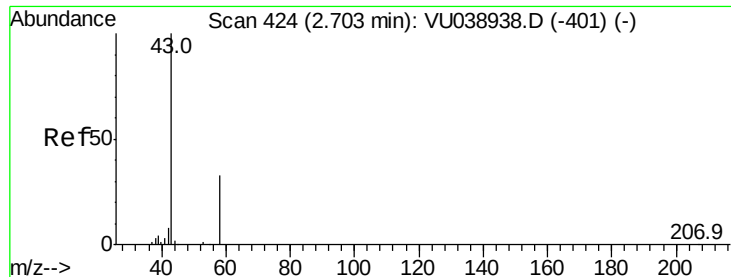


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 192.849 ug/L

RT: 2.70 min Scan# 422

Delta R.T. -0.01 min

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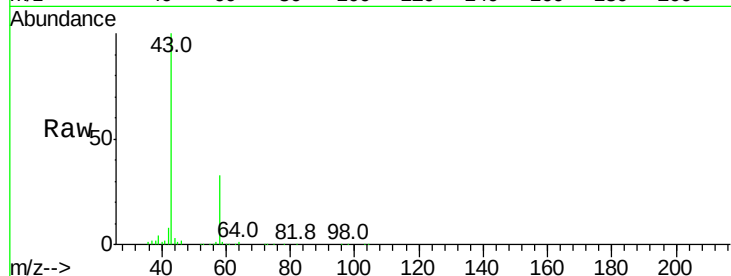
VSTD02002

Tgt Ion: 43 Resp: 867456

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU038938.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038938.D (-401) (-)

2.70

150000

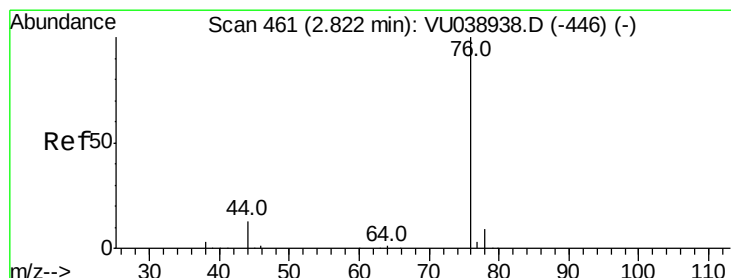
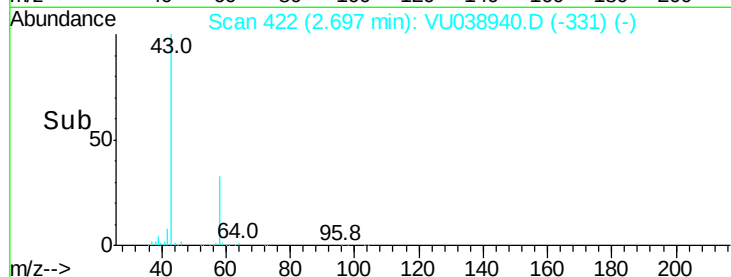
100000

50000

0

2.60 2.80 3.00

Time-->



#14

Carbon disulfide

Concen: 19.351 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038940.D

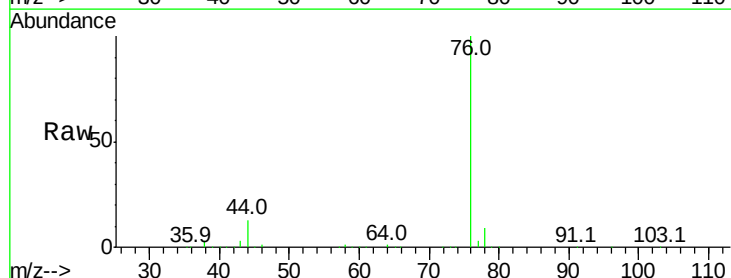
Acq: 17 Jun 2020 12:37

Tgt Ion: 76 Resp: 1383718

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU038938.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038938.D (-446) (-)

2.82

800000

600000

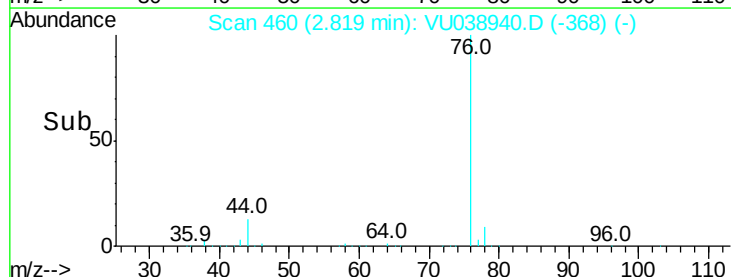
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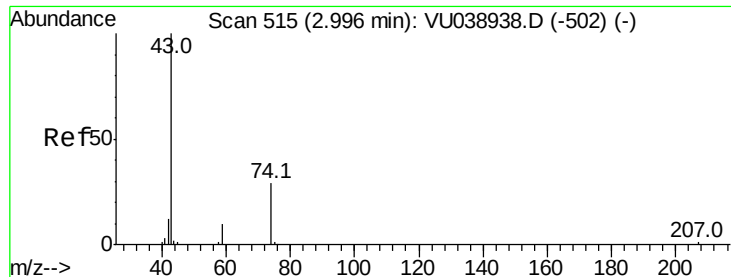
200000

0

2.70 2.80 2.90

Time-->

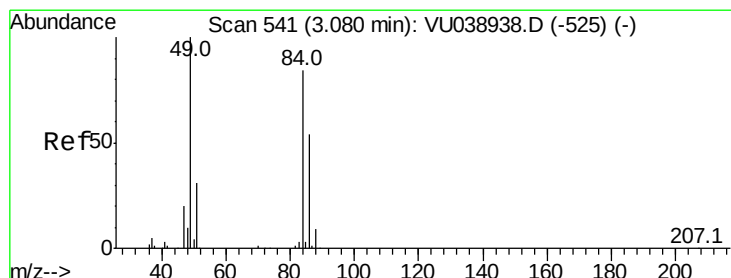
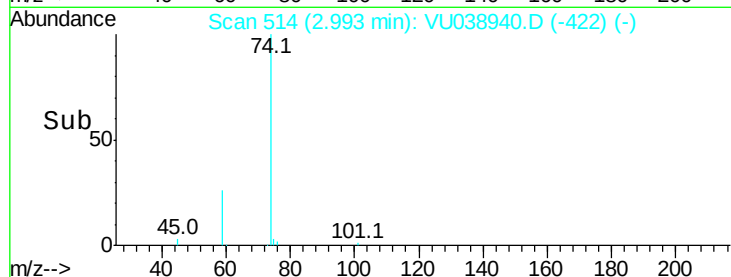
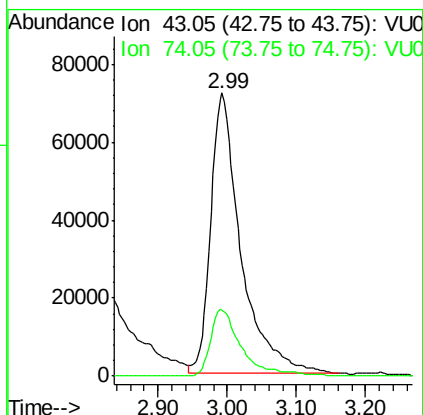
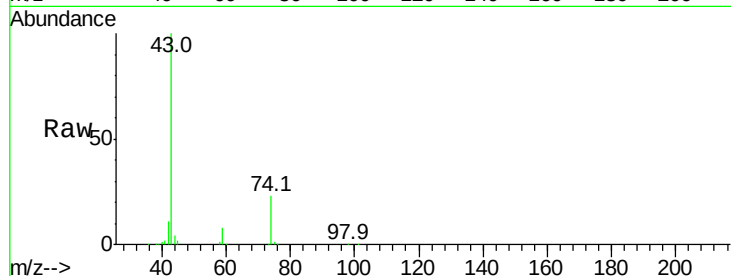




#15
Methyl Acetate
Concen: 19.817 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

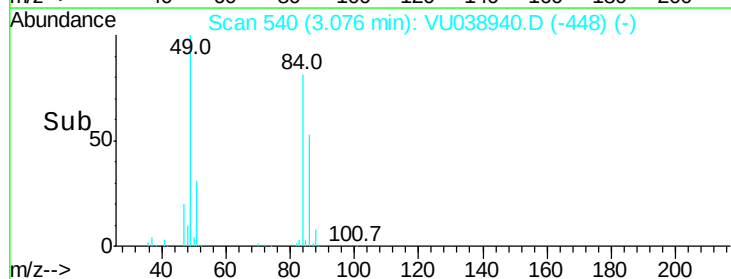
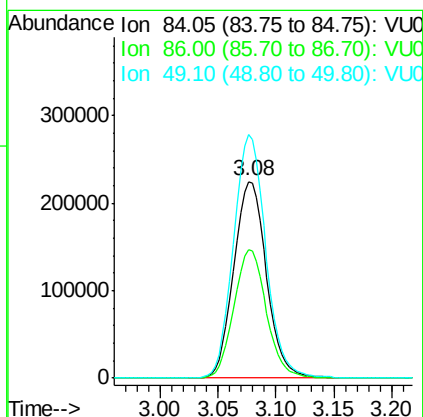
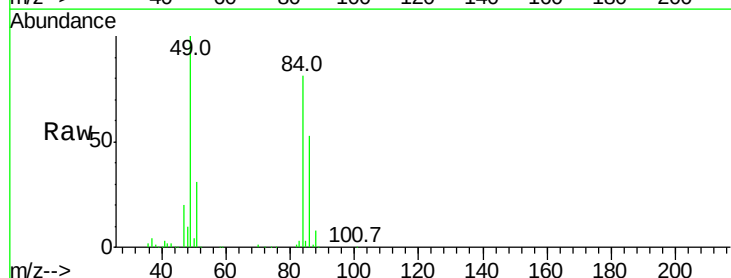
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

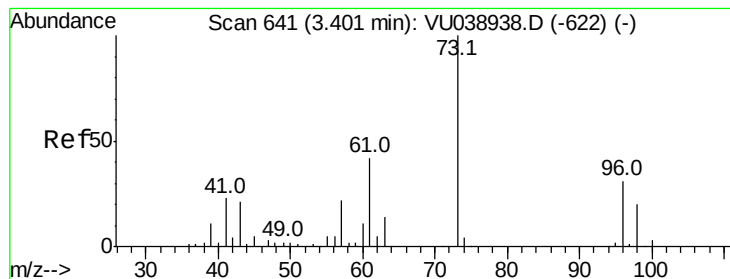
Tgt Ion: 43 Resp: 217449
Ion Ratio Lower Upper
43 100
74 24.5 22.2 33.2



#16
Methylene chloride
Concen: 17.772 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

Tgt Ion: 84 Resp: 440146
Ion Ratio Lower Upper
84 100
86 65.6 45.1 83.7
49 124.0 83.7 155.4





#17

Methyl tert-butyl Ether

Concen: 20.877 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

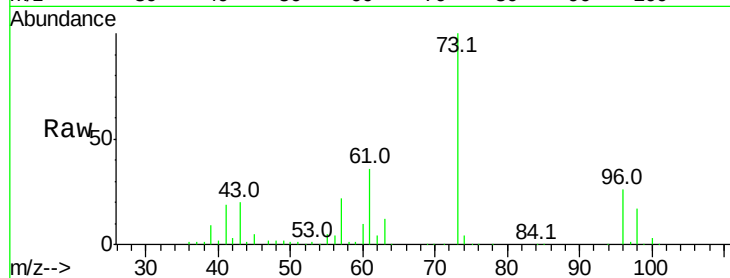
Tgt Ion: 73 Resp: 1147448

Ion Ratio Lower Upper

73 100

43 20.1 17.0 25.4

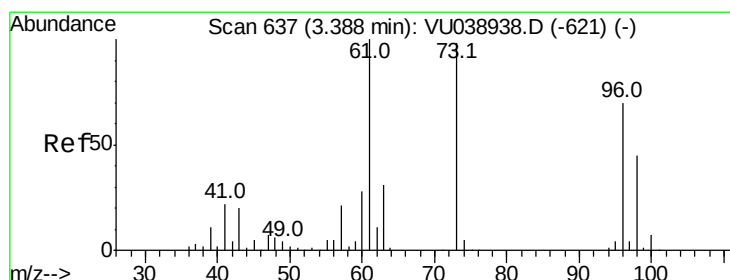
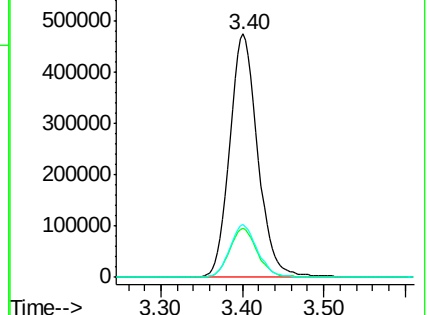
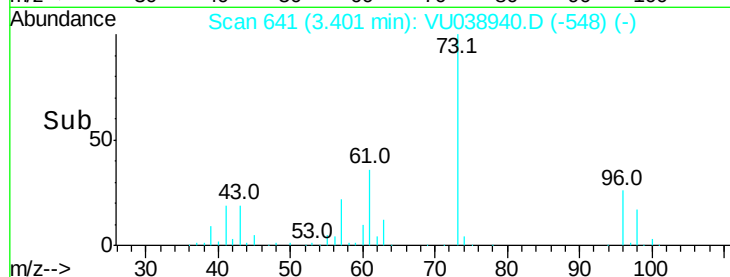
57 21.5 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VU038940.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU038940.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU038940.D (-548) (-)



#18

trans-1,2-Dichloroethene

Concen: 19.245 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

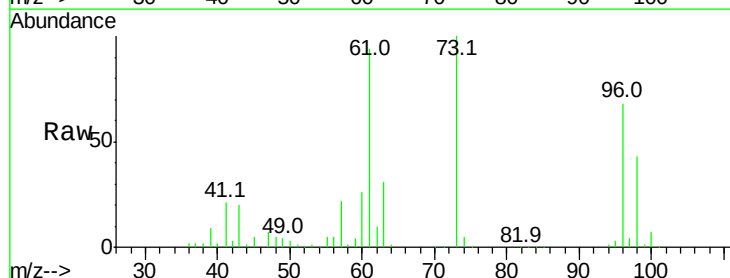
Tgt Ion: 96 Resp: 439128

Ion Ratio Lower Upper

96 100

61 137.9 100.3 186.3

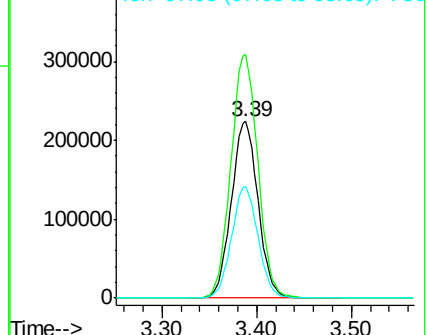
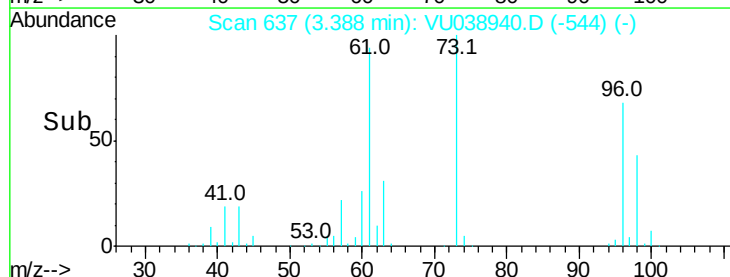
98 63.0 45.4 84.2

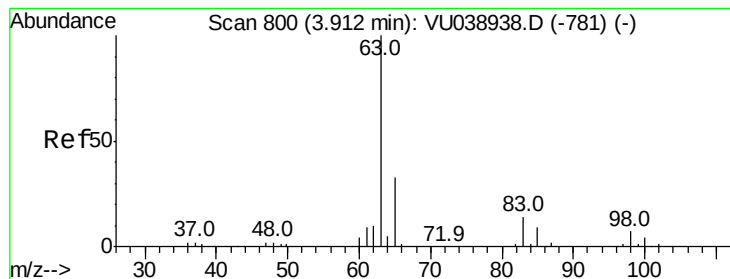


Abundance Ion 96.00 (95.70 to 96.70): VU038940.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038940.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038940.D (-544) (-)





#19

1,1-Dichloroethane

Concen: 18.668 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

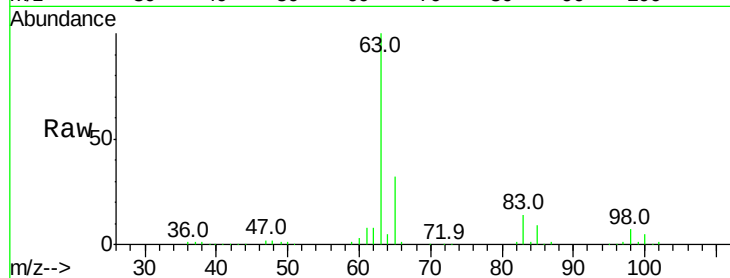
Tgt Ion: 63 Resp: 781004

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

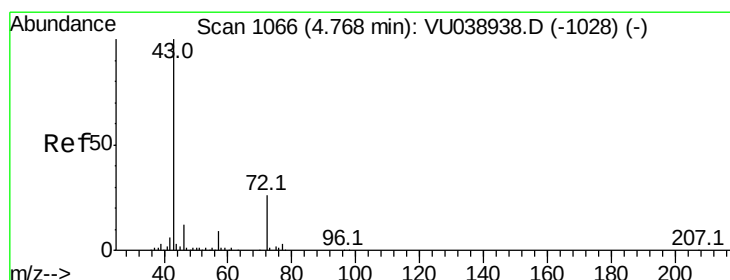
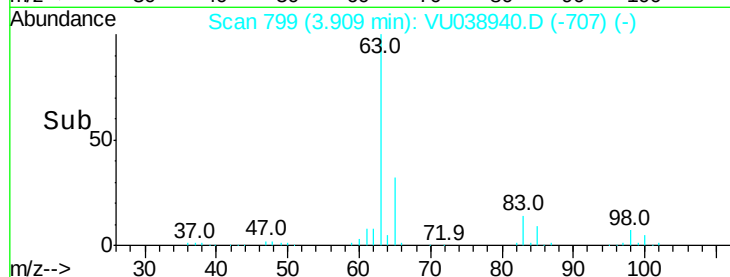
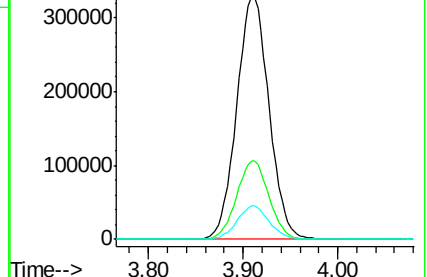
83 13.8 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU038938.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU038938.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU038938.D (-781) (-)



#21

2-Butanone

Concen: 206.983 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU038940.D

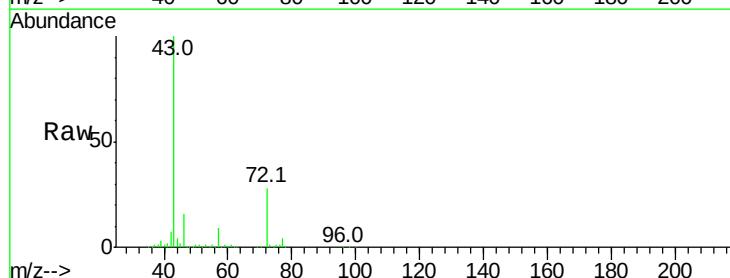
Acq: 17 Jun 2020 12:37

Tgt Ion: 43 Resp: 1513502

Ion Ratio Lower Upper

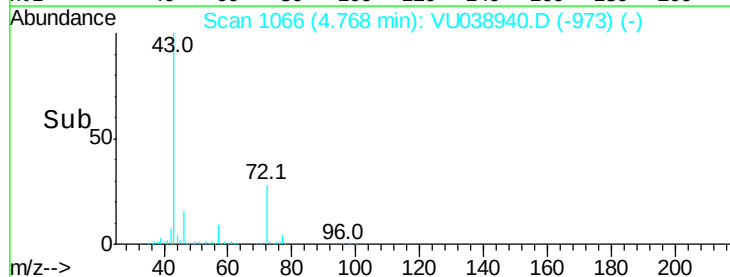
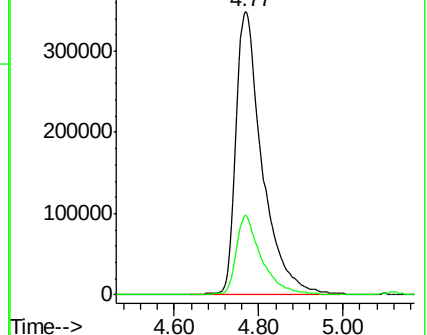
43 100

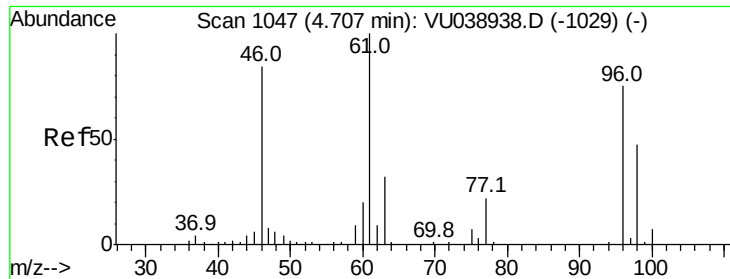
72 27.2 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU038938.D (-1028) (-)

Ion 72.10 (71.80 to 72.80): VU038938.D (-1028) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.356 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

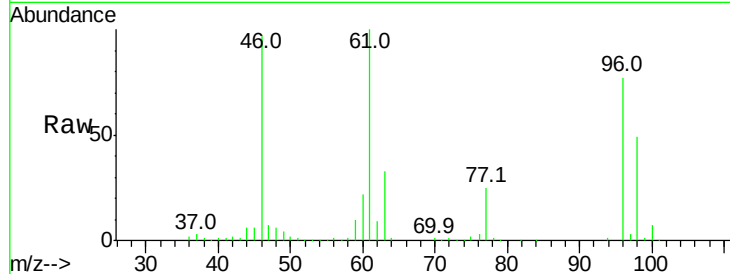
Tgt Ion: 96 Resp: 461913

Ion Ratio Lower Upper

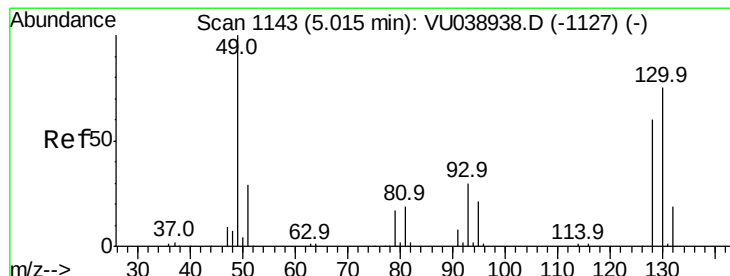
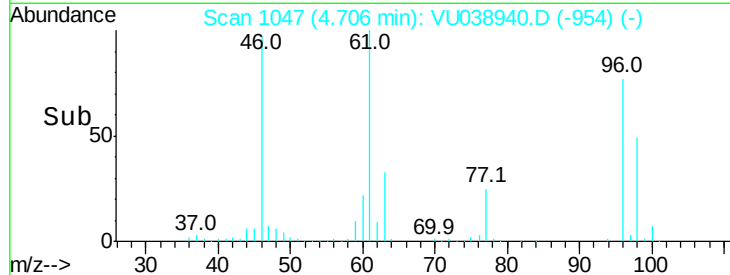
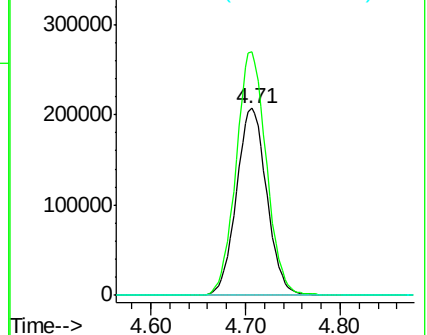
96 100

61 130.2 93.7 173.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 18.765 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Tgt Ion: 128 Resp: 212012

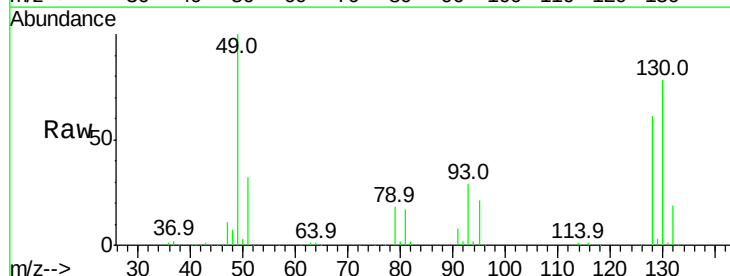
Ion Ratio Lower Upper

128 100

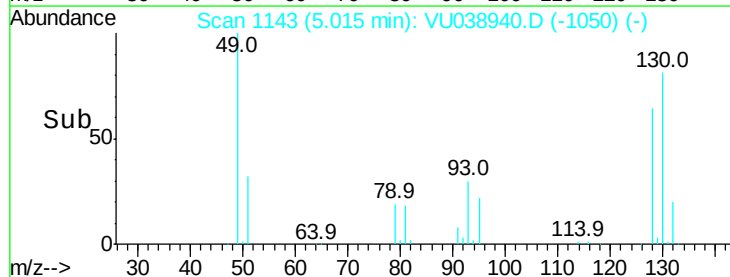
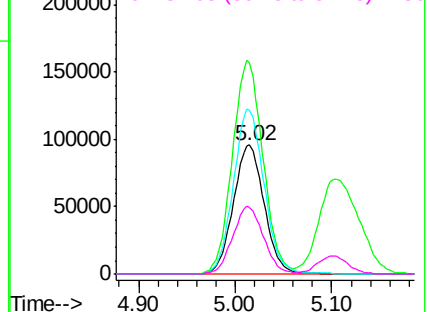
49 163.4 117.4 218.0

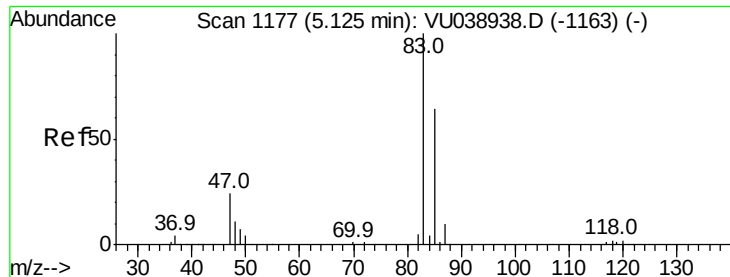
130 127.3 87.8 163.2

51 52.0 39.1 58.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

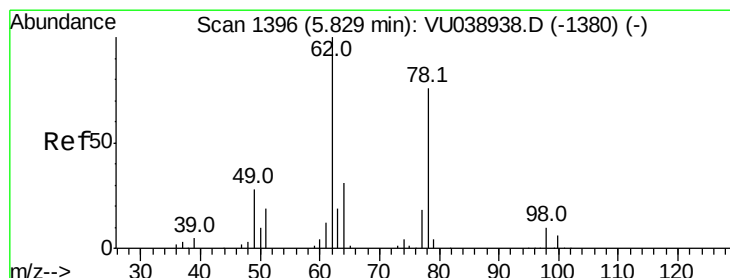
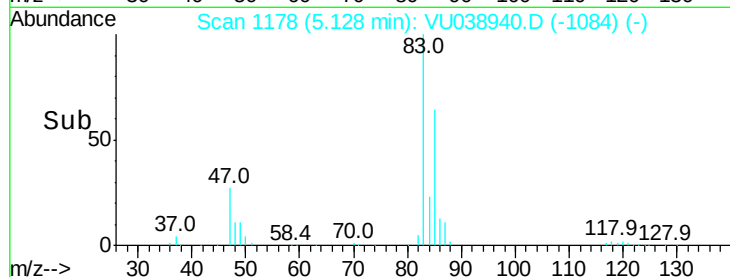
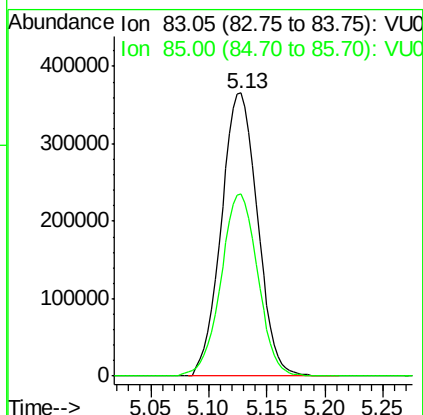
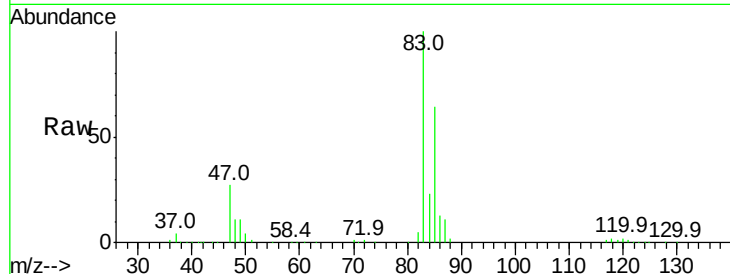




#25
Chloroform
Concen: 18.245 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

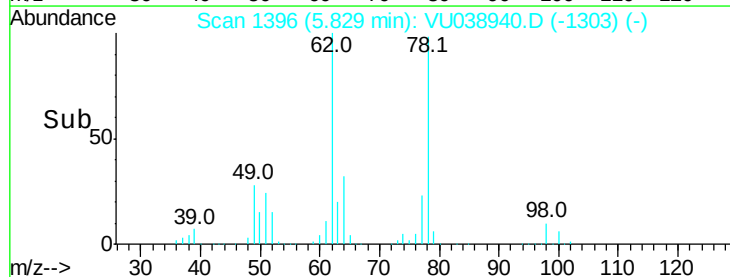
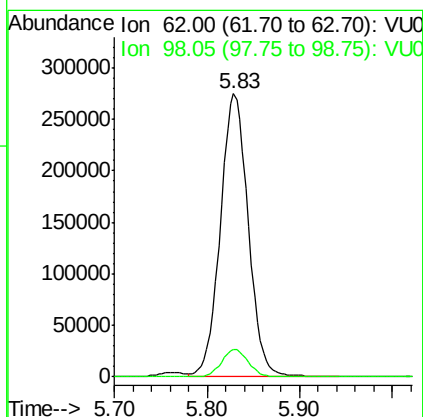
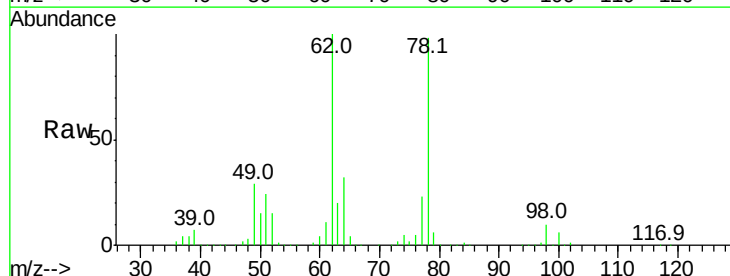
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

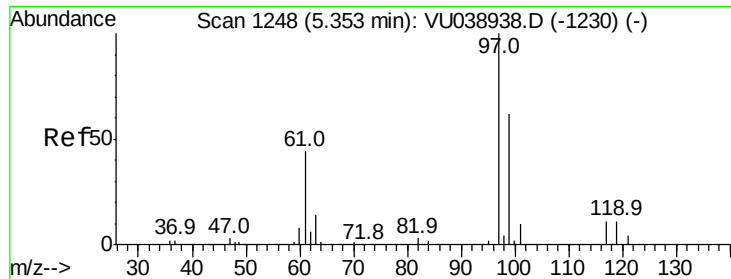
Tgt Ion: 83 Resp: 795460
Ion Ratio Lower Upper
83 100
85 64.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 18.497 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

Tgt Ion: 62 Resp: 572418
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4

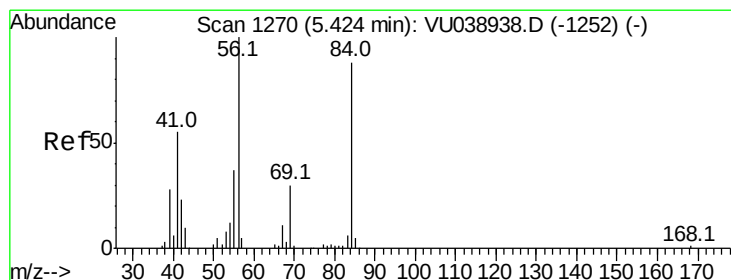
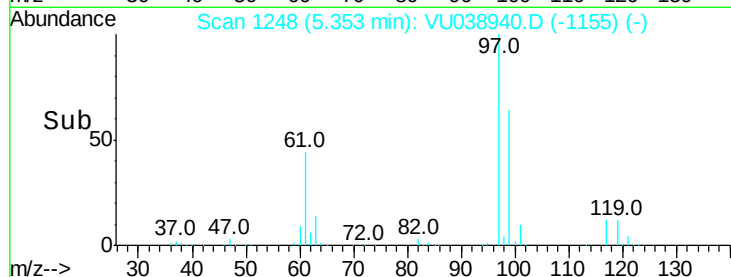
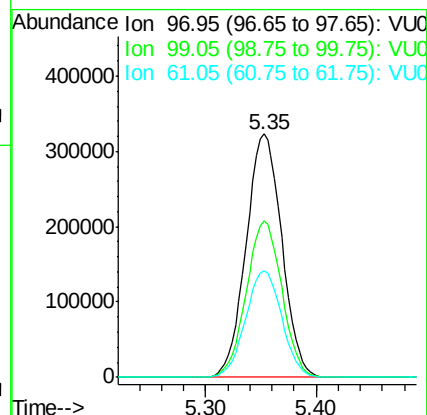
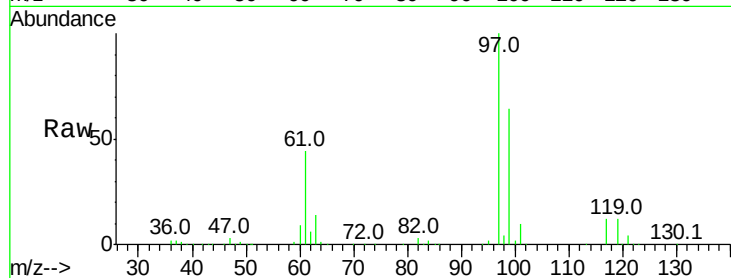




#29
 1,1,1-Trichloroethane
 Concen: 19.448 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

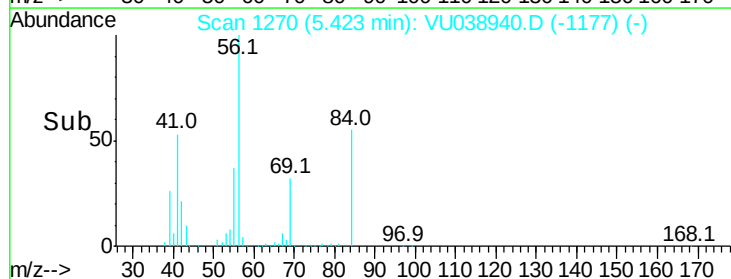
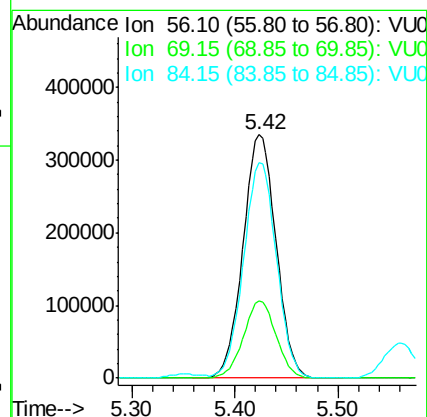
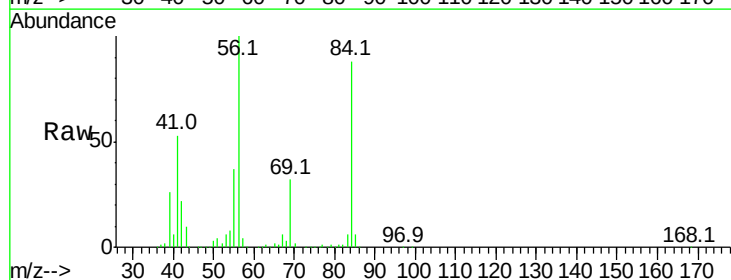
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

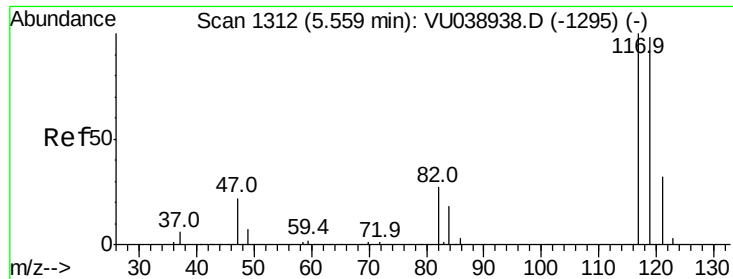
Tgt Ion: 97 Resp: 724855
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.8 76.2
 61 44.5 35.6 53.4



#30
 Cyclohexane
 Concen: 22.161 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Tgt Ion: 56 Resp: 744000
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.0 37.4
 84 88.6 72.0 108.0





#31

Carbon tetrachloride

Concen: 19.640 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

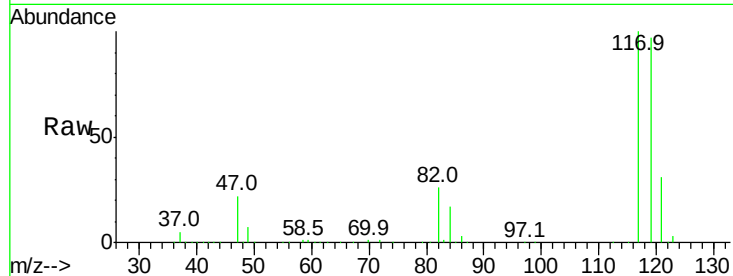
VSTD02002

Tgt Ion:117 Resp: 622997

Ion Ratio Lower Upper

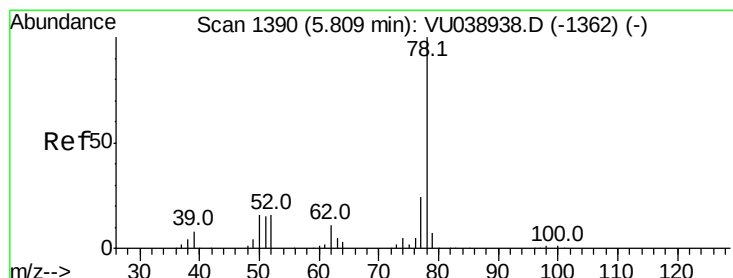
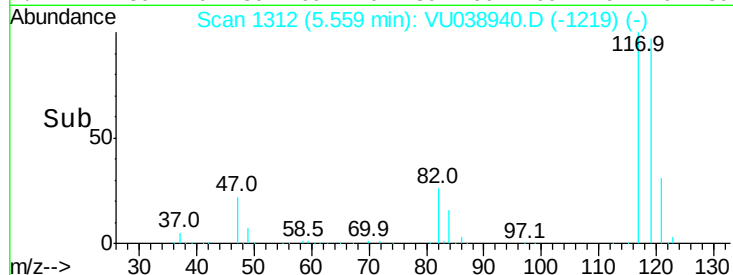
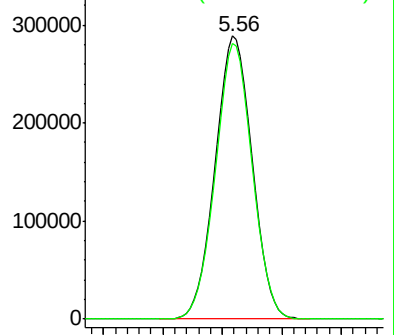
117 100

119 96.7 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.741 ug/L

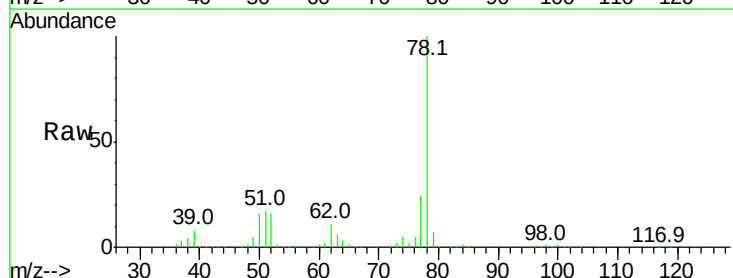
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

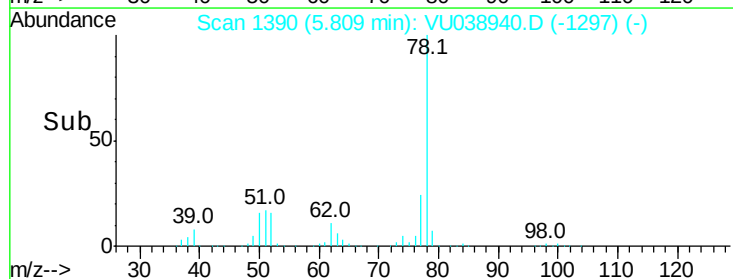
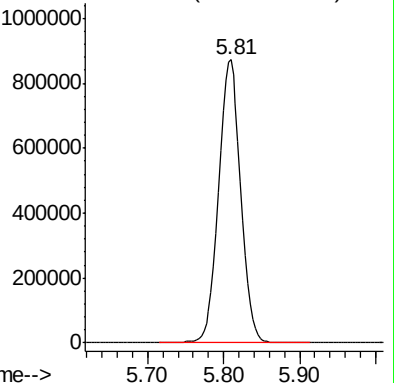
Lab File: VU038940.D

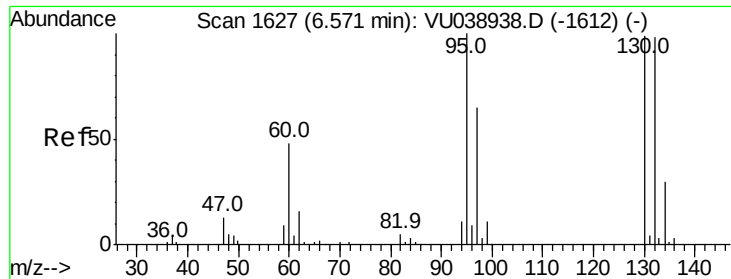
Acq: 17 Jun 2020 12:37

Tgt Ion: 78 Resp: 1764156



Abundance Ion 78.10 (77.80 to 78.80): VU0

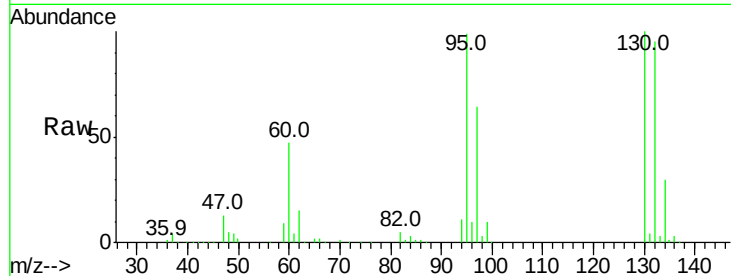




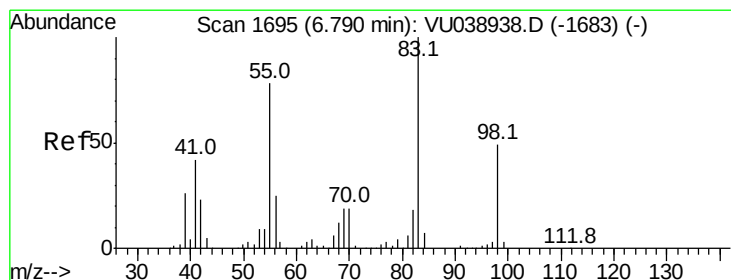
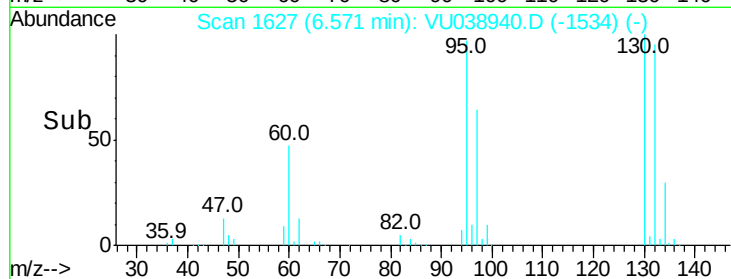
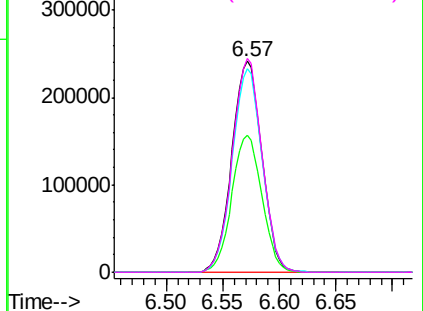
#34
 Trichloroethene
 Concen: 19.155 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:	95	Resp:	447008
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.4	84.4
132	96.4	68.4	127.0
130	101.4	69.6	129.2

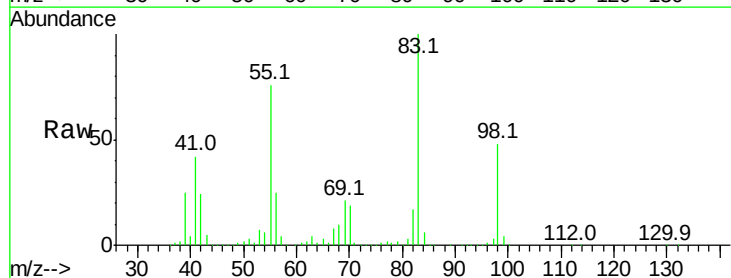


Abundance Ion 95.00 (94.70 to 95.70): VU038940.D (-1534) (-)

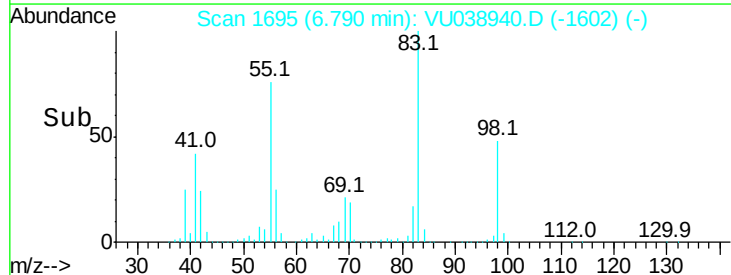
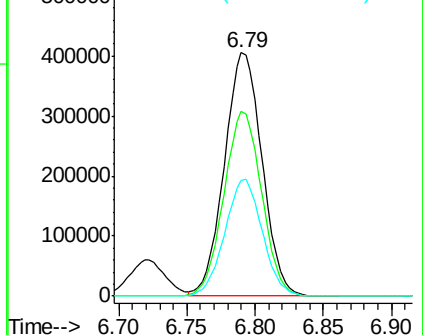


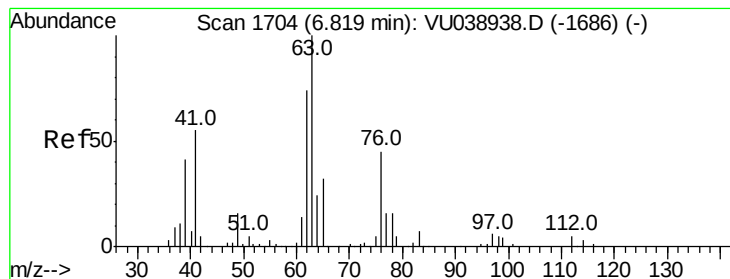
#35
 Methylcyclohexane
 Concen: 22.368 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Tgt Ion:	83	Resp:	777671
Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.8	92.8
98	47.7	39.3	58.9



Abundance Ion 83.15 (82.85 to 83.85): VU038940.D (-1602) (-)





#37

1,2-Dichloropropane

Concen: 19.494 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

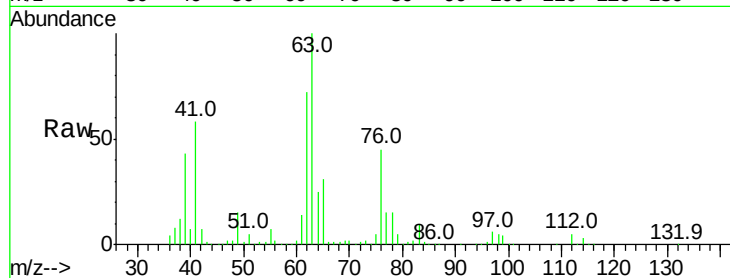
VSTD02002

Tgt Ion: 63 Resp: 449528

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VU038938.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038938.D (-1686) (-)

6.82

250000

200000

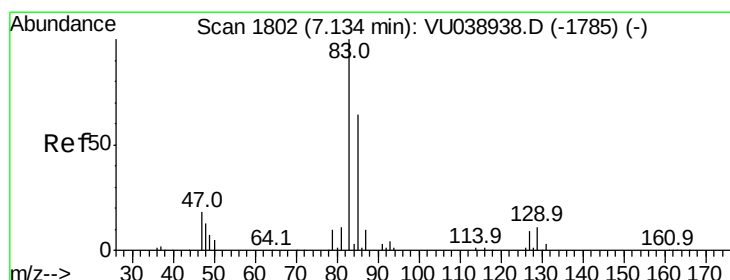
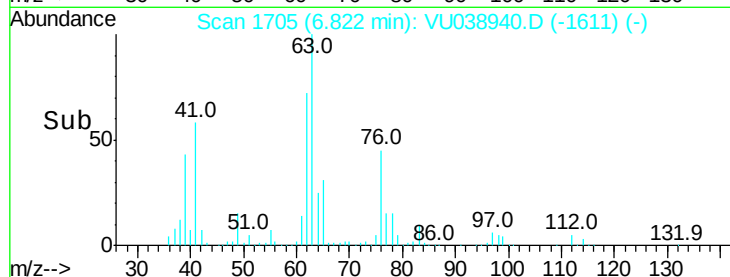
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#38

Bromodichloromethane

Concen: 19.490 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

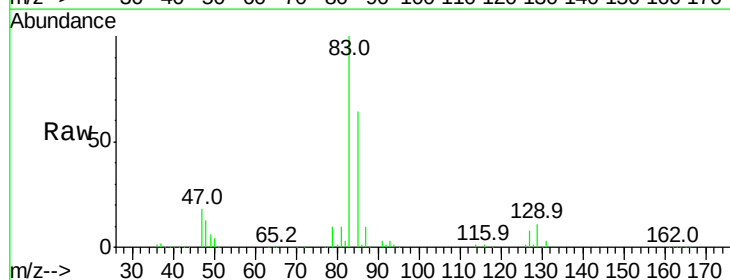
Tgt Ion: 83 Resp: 591009

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

127 8.1 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU038938.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU038938.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU038938.D (-1785) (-)

7.13

400000

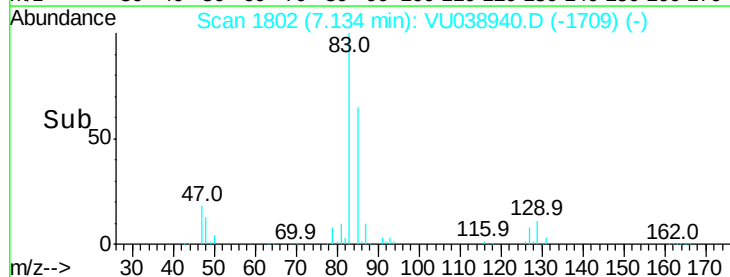
300000

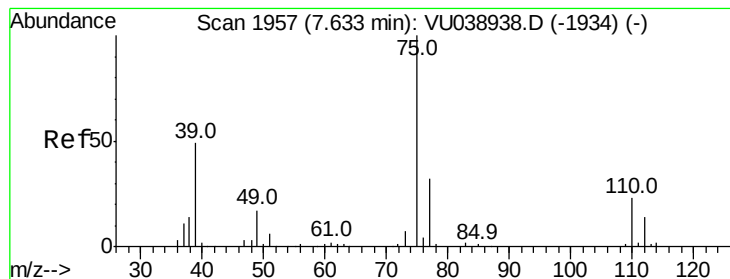
200000

100000

0

Time--> 7.00 7.10 7.20





#39

cis-1,3-Dichloropropene

Concen: 21.850 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

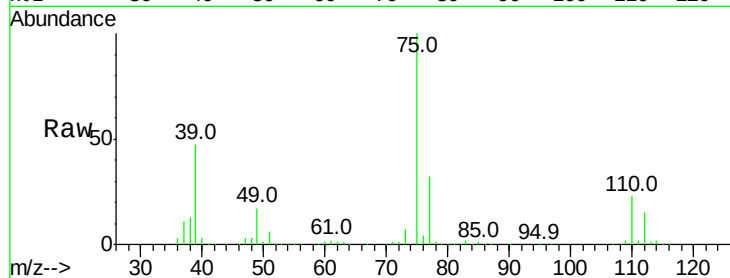
VSTD02002

Tgt Ion: 75 Resp: 720652

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038938.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038938.D (-1934) (-)

7.63

400000

300000

200000

100000

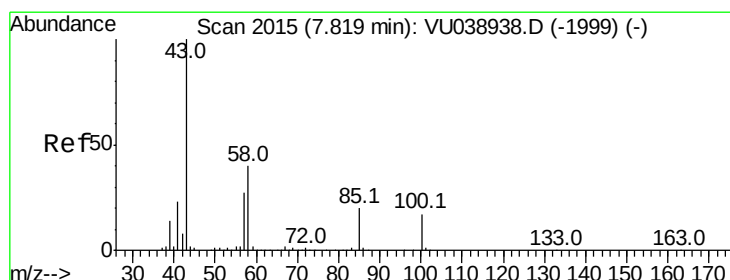
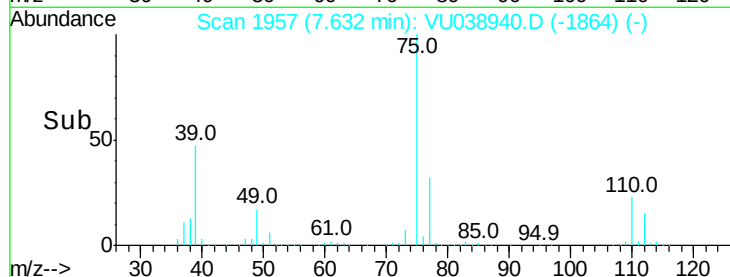
0

7.50

7.60

7.70

Time-->



#40

4-Methyl-2-pentanone

Concen: 219.458 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

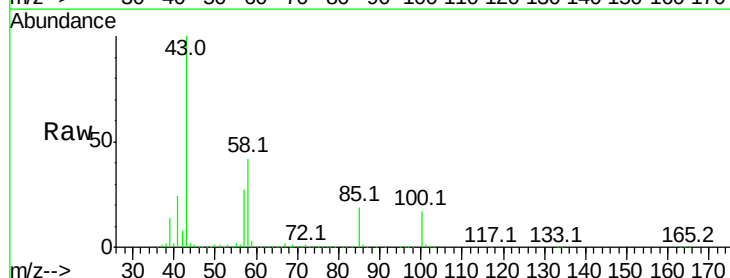
Tgt Ion: 43 Resp: 3452130

Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0

100 17.1 13.4 20.2



Abundance Ion 43.05 (42.75 to 43.75): VU038938.D (-1999) (-)

Ion 58.05 (57.75 to 58.75): VU038938.D (-1999) (-)

Ion 100.15 (99.85 to 100.85): VU038938.D (-1999) (-)

7.82

2500000

2000000

1500000

1000000

500000

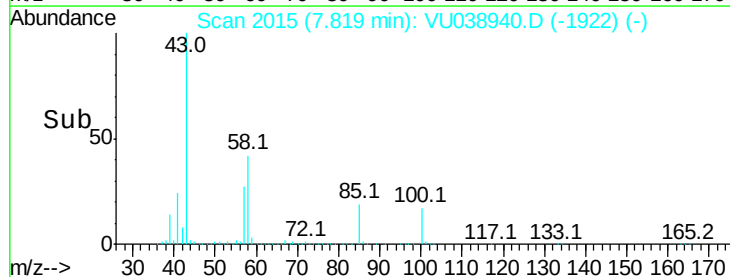
0

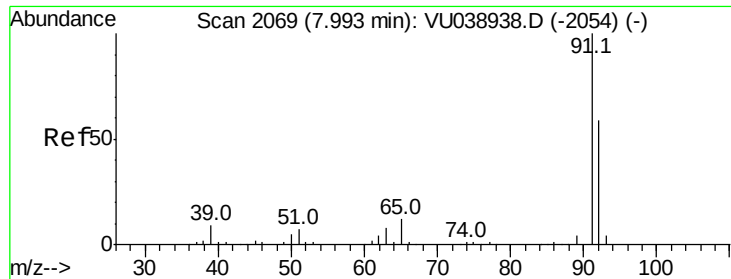
7.70

7.80

7.90

Time-->





#42

Toluene

Concen: 20.137 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

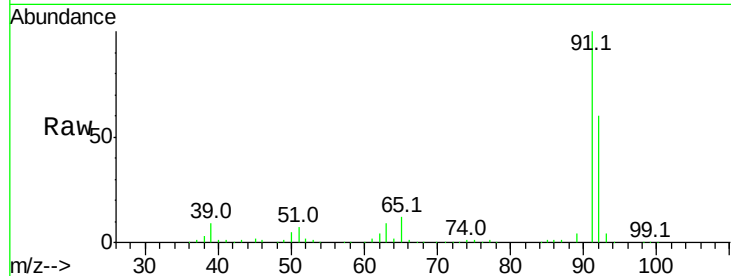
VSTD02002

Tgt Ion: 91 Resp: 1896767

Ion Ratio Lower Upper

91 100

92 59.7 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038938.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038938.D (-2054) (-)

7.99

1200000

1000000

800000

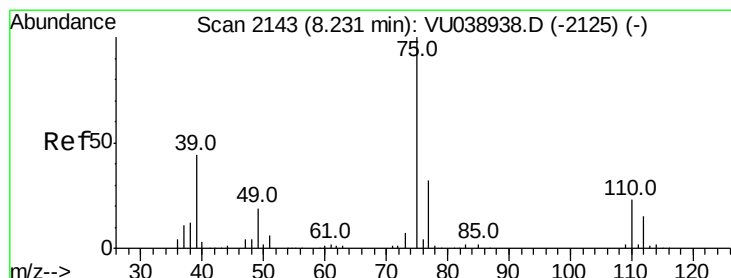
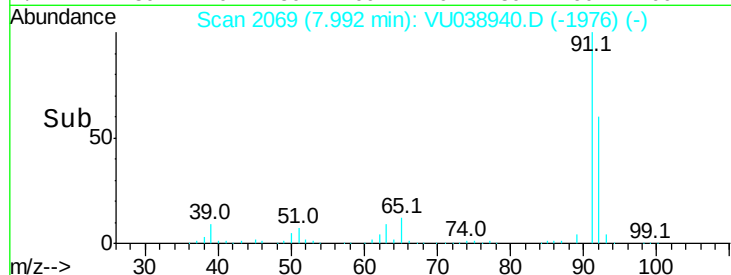
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.065 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038940.D

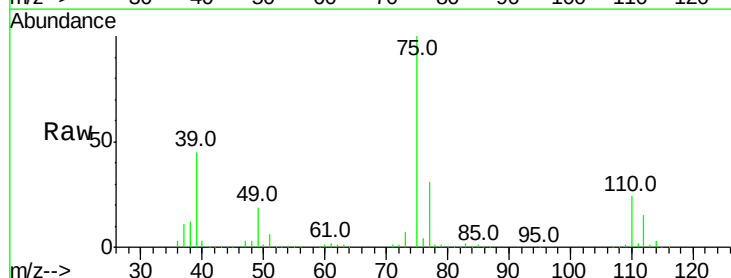
Acq: 17 Jun 2020 12:37

Tgt Ion: 75 Resp: 665611

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038938.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038938.D (-2125) (-)

8.23

400000

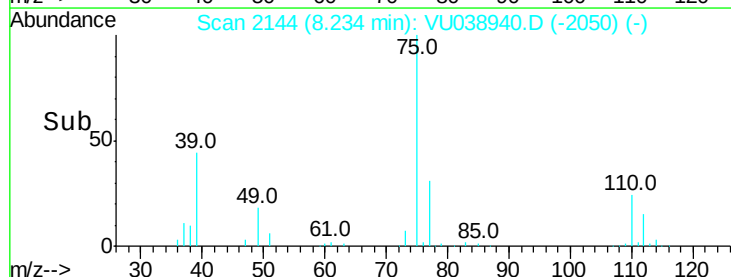
300000

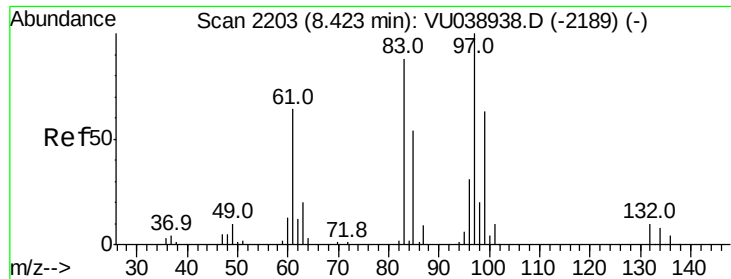
200000

100000

0

Time-->

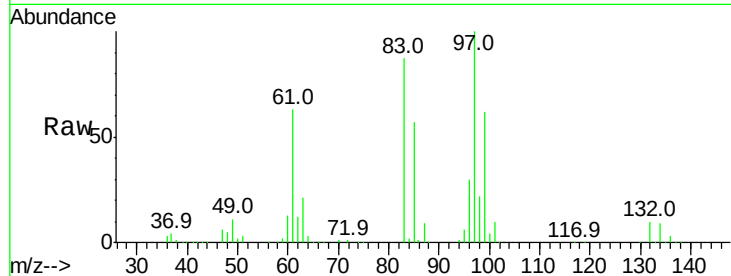




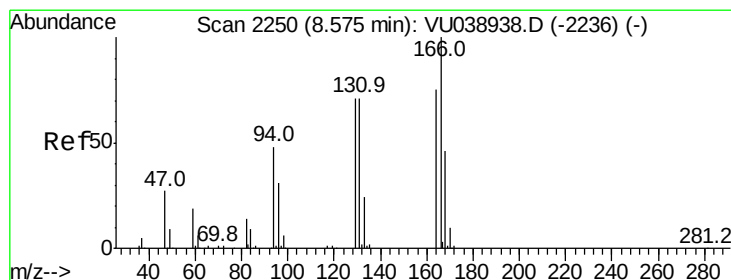
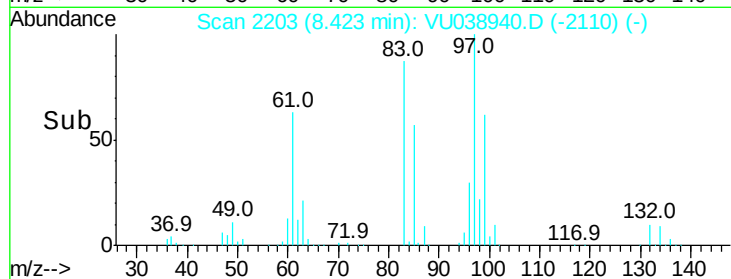
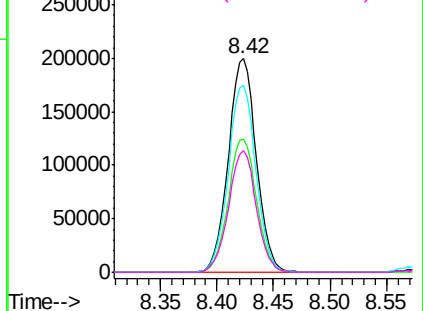
#45
 1,1,2-Trichloroethane
 Concen: 19.498 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:	97	Resp:	343716
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.1	81.9
83	87.3	61.2	113.8
85	56.7	37.7	70.1

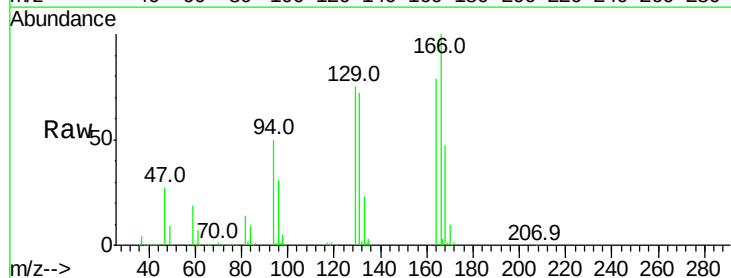


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

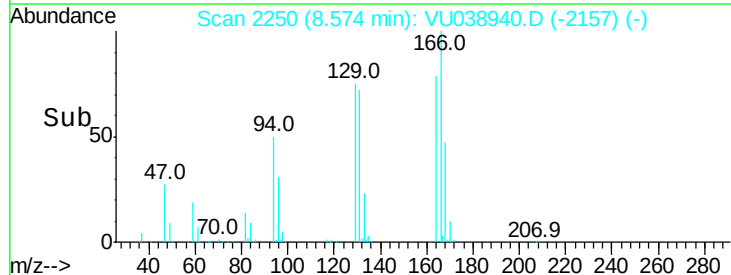
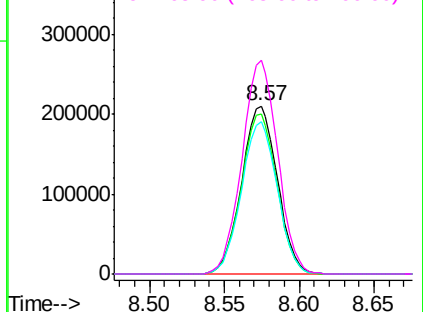


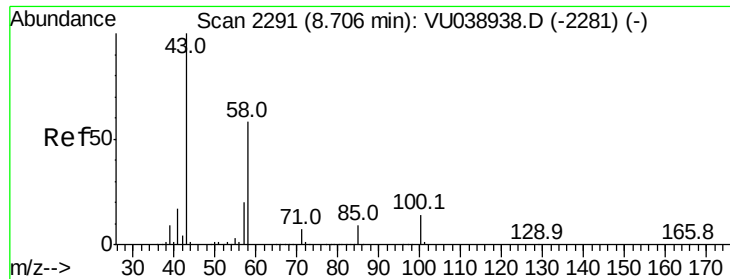
#47
 Tetrachloroethene
 Concen: 19.564 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Tgt Ion:	164	Resp:	349917
Ion	Ratio	Lower	Upper
164	100		
129	95.6	66.1	122.8
131	91.0	65.7	122.1
166	127.2	93.0	172.8



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



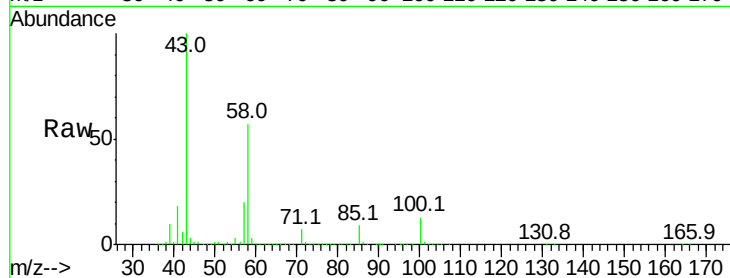


#48
2-Hexanone
Concen: 212.916 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion: 43 Resp: 2655097

Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.2	67.8
57	20.5	16.1	24.1
100	13.4	10.9	16.3

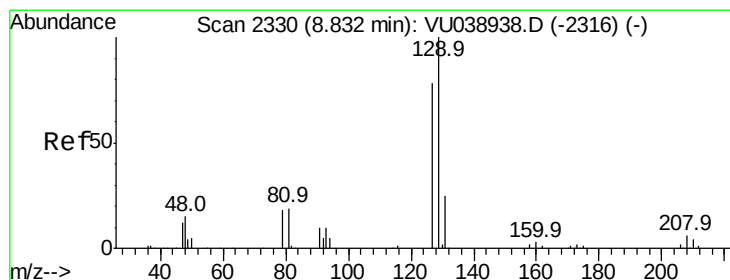
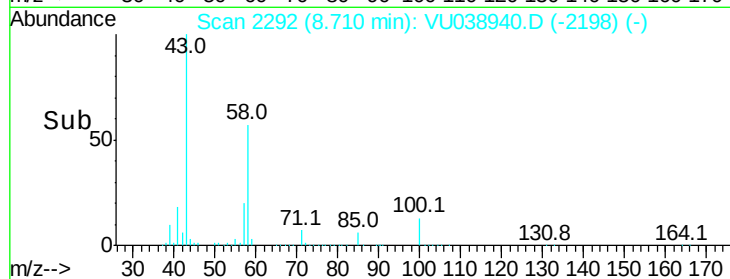
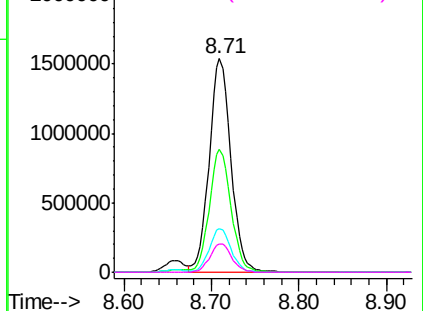


Abundance Ion 43.05 (42.75 to 43.75): VU038940.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU038940.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VU038940.D (-2198) (-)

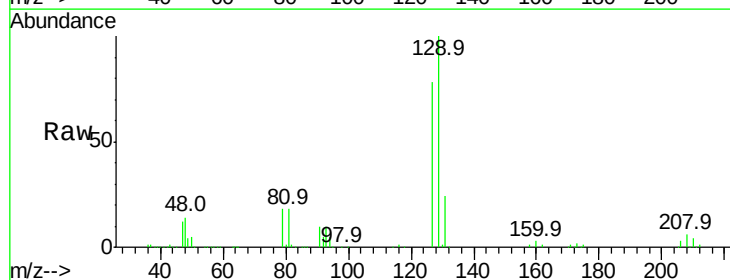
Ion 100.15 (99.85 to 100.85): VU038940.D (-2198) (-)



#49
Dibromochloromethane
Concen: 20.350 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

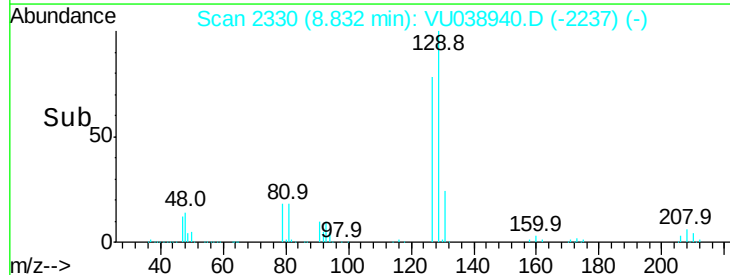
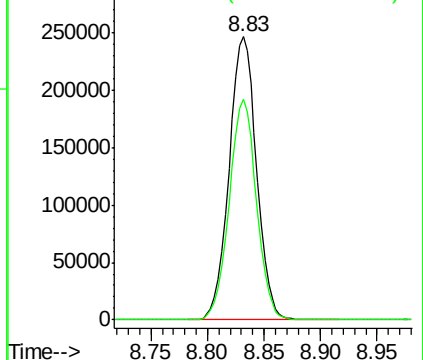
Tgt Ion: 129 Resp: 416223

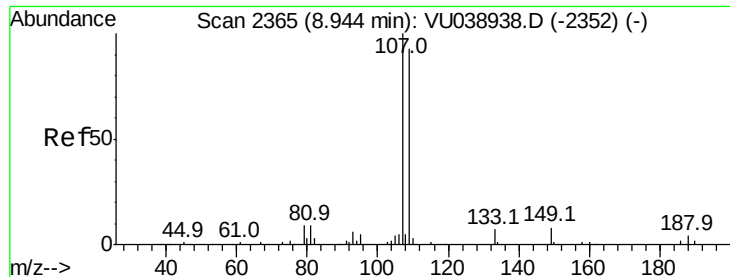
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): VU038940.D (-2237) (-)

Ion 126.90 (126.60 to 127.60): VU038940.D (-2237) (-)

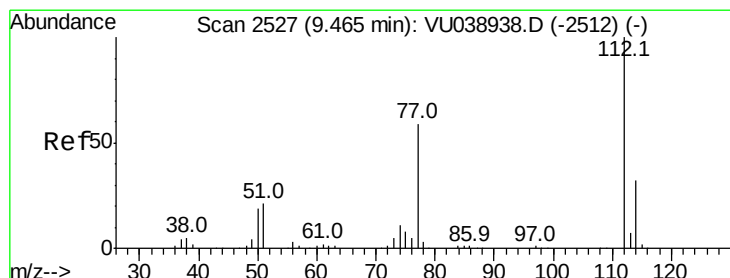
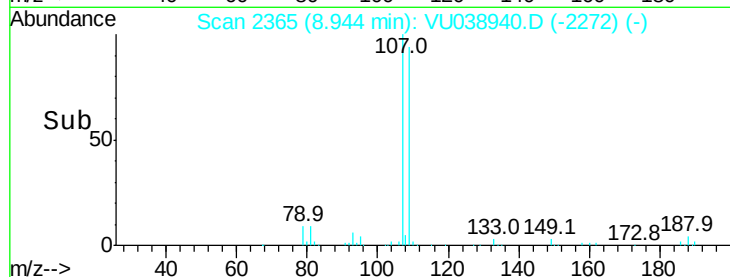
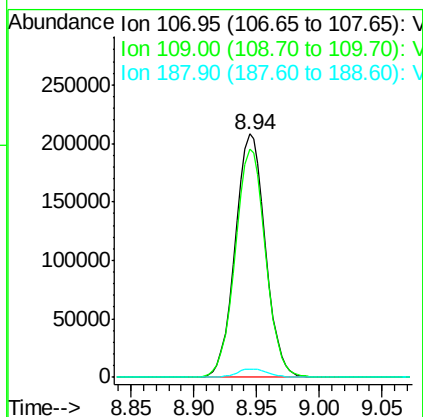
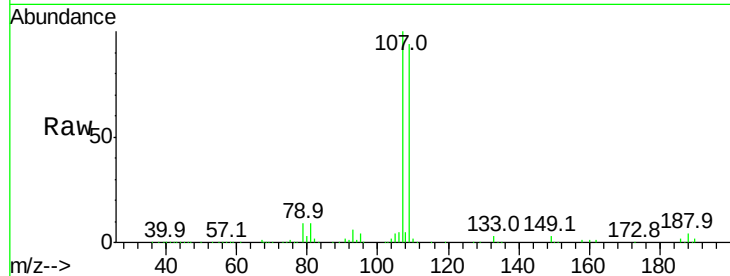




#50
1,2-Dibromoethane
Concen: 20.296 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

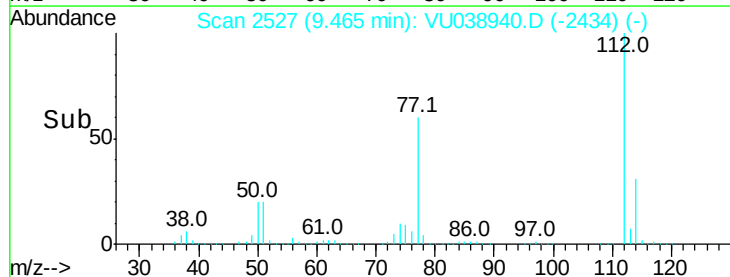
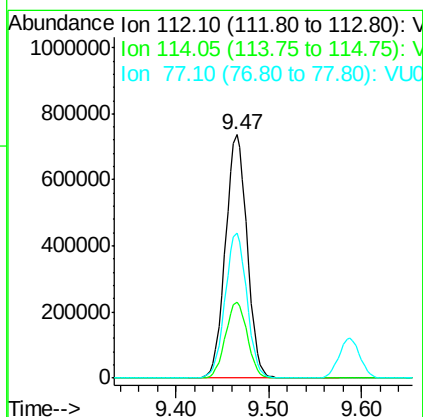
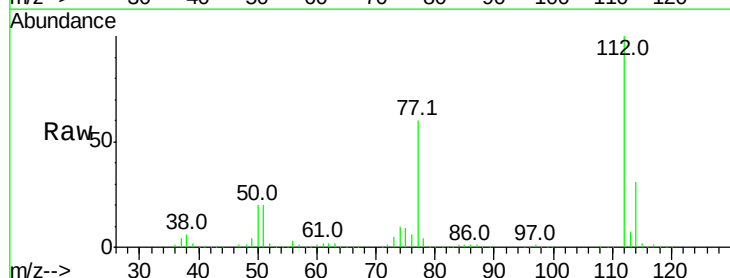
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

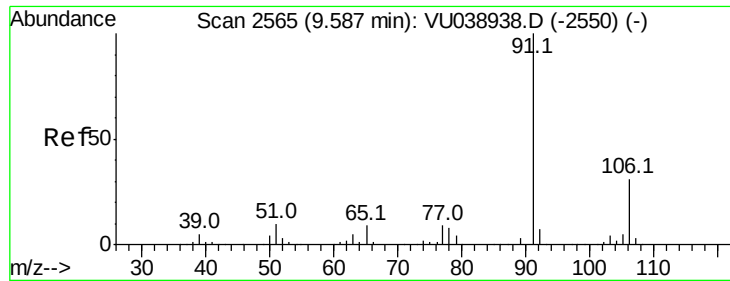
Tgt Ion:107 Resp: 346785
Ion Ratio Lower Upper
107 100
109 93.9 64.8 120.4
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 19.430 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038940.D
Acq: 17 Jun 2020 12:37

Tgt Ion:112 Resp: 1190981
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.7
77 59.7 47.2 70.8





#52

Ethylbenzene

Concen: 20.794 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

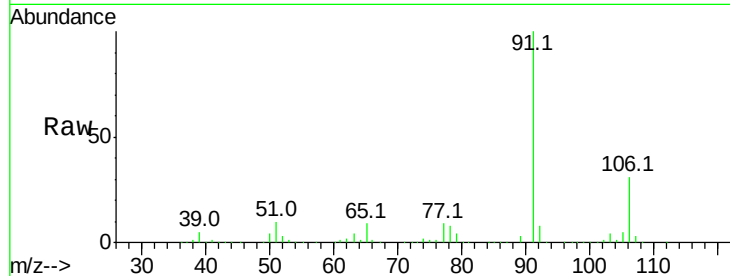
VSTD02002

Tgt Ion: 91 Resp: 2179323

Ion Ratio Lower Upper

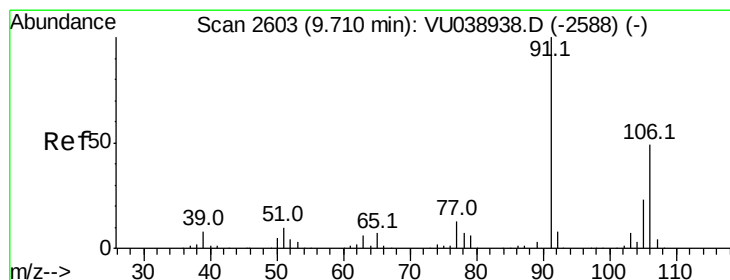
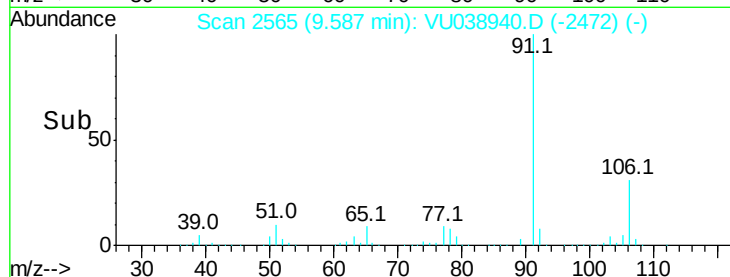
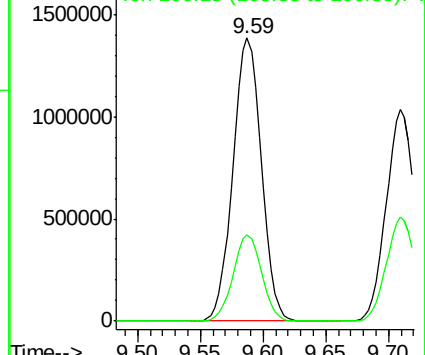
91 100

106 30.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU038940.D (-2550) (-)

Ion 106.15 (105.85 to 106.85): VU038940.D (-2550) (-)



#53

m,p-Xylene

Concen: 21.034 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038940.D

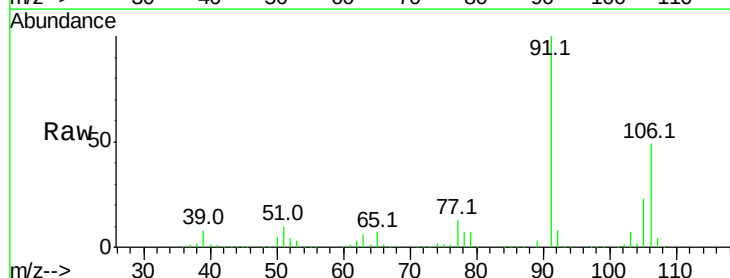
Acq: 17 Jun 2020 12:37

Tgt Ion: 106 Resp: 828368

Ion Ratio Lower Upper

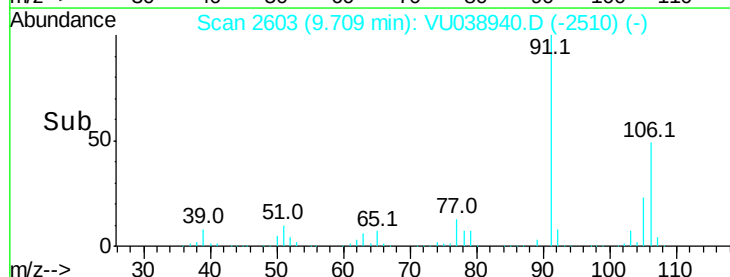
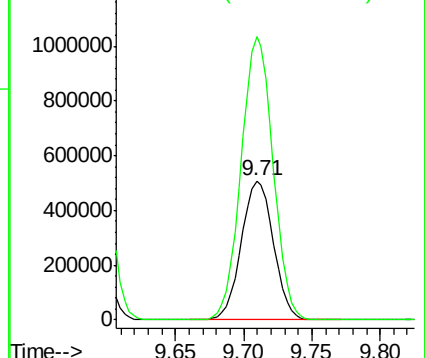
106 100

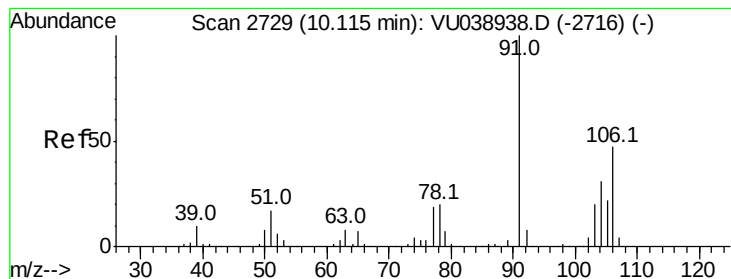
91 203.7 143.0 265.6



Abundance Ion 106.15 (105.85 to 106.85): VU038940.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VU038940.D (-2510) (-)





#54

o-Xylene

Concen: 21.051 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

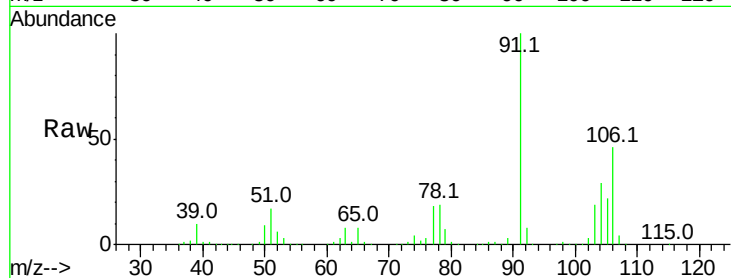
VSTD02002

Tgt Ion:106 Resp: 797605

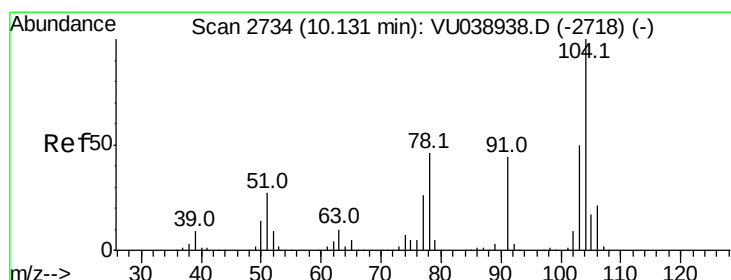
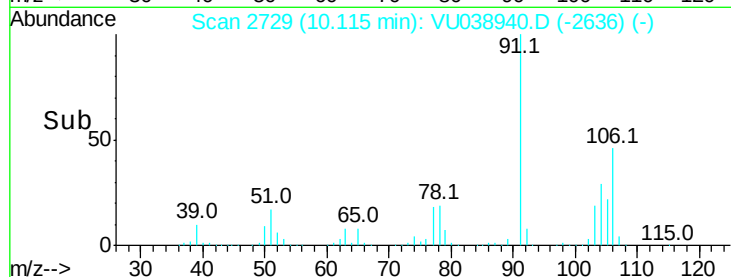
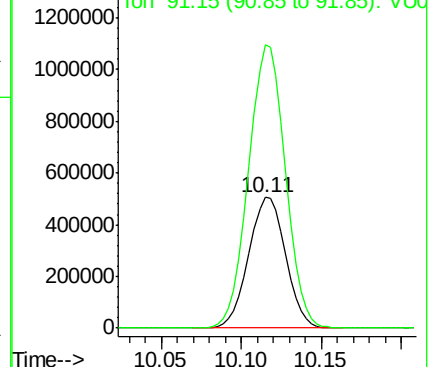
Ion Ratio Lower Upper

106 100

91 216.5 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 21.562 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038940.D

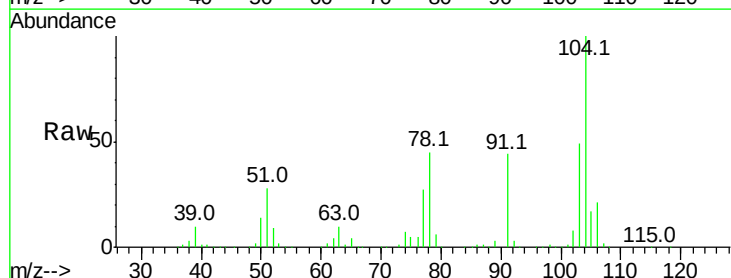
Acq: 17 Jun 2020 12:37

Tgt Ion:104 Resp: 1419115

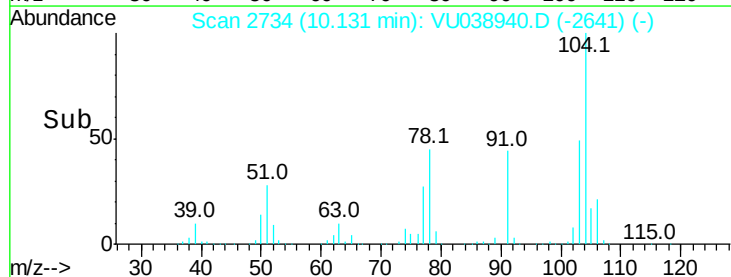
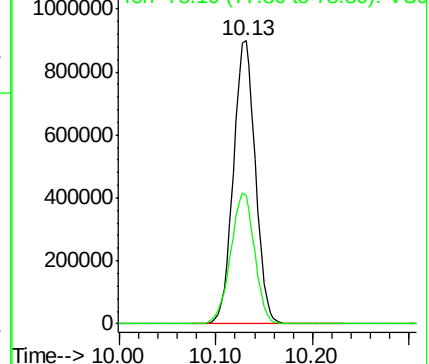
Ion Ratio Lower Upper

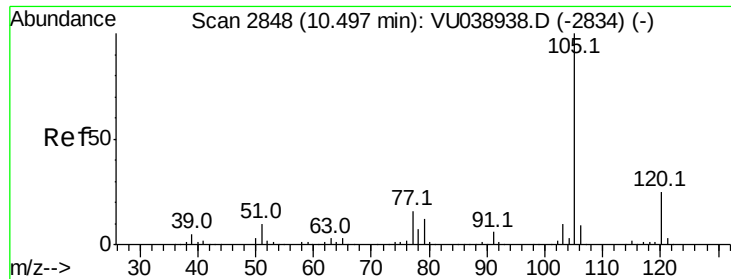
104 100

78 45.3 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 21.850 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

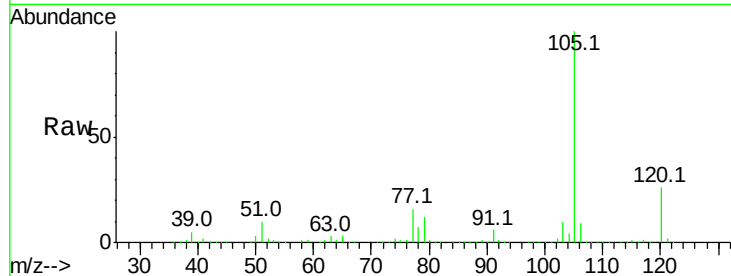
Tgt Ion:105 Resp: 2149975

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

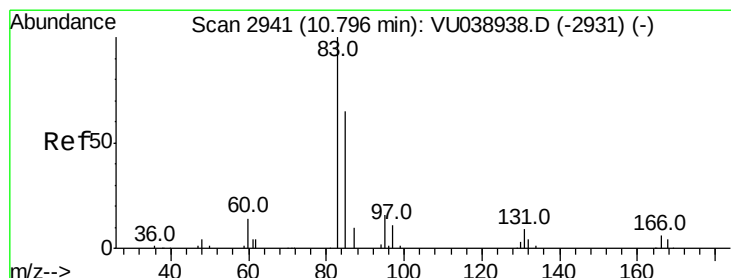
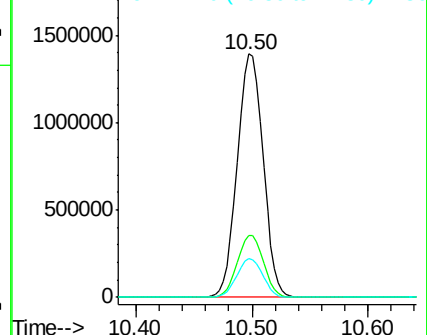
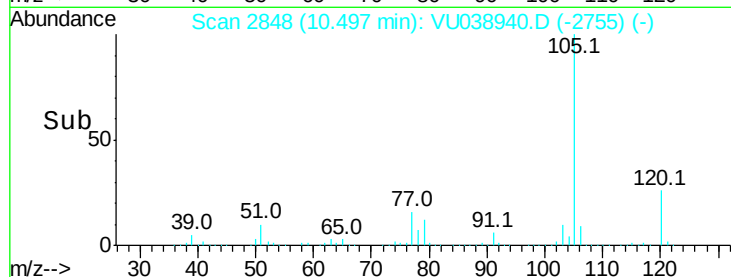
77 15.9 13.0 19.6



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: 21.415 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

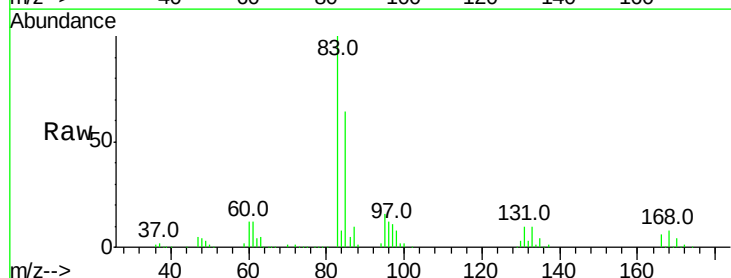
Tgt Ion: 83 Resp: 483978

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4

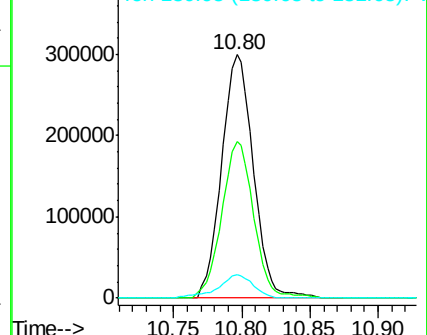
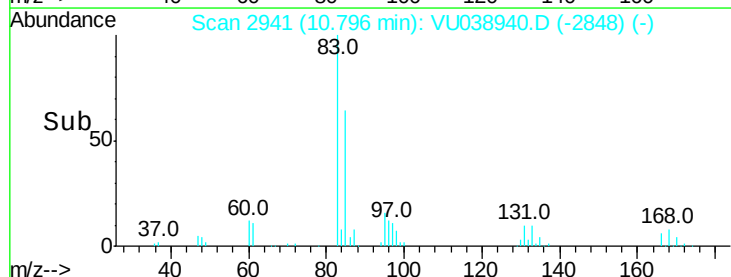
131 9.5 8.2 12.4

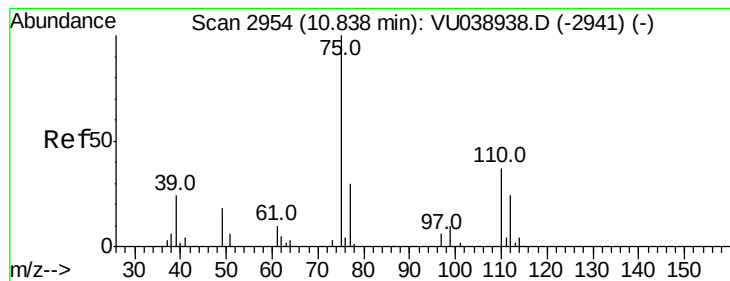


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.826 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

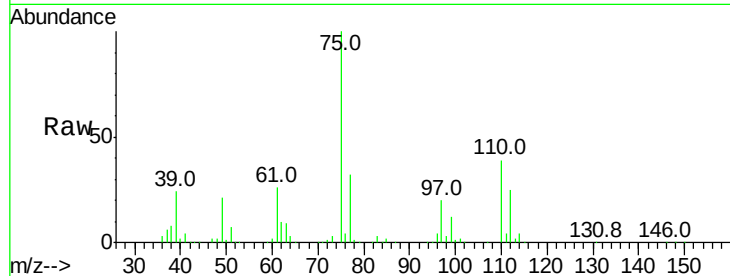
VSTD02002

Tgt Ion: 75 Resp: 352333

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.84

200000

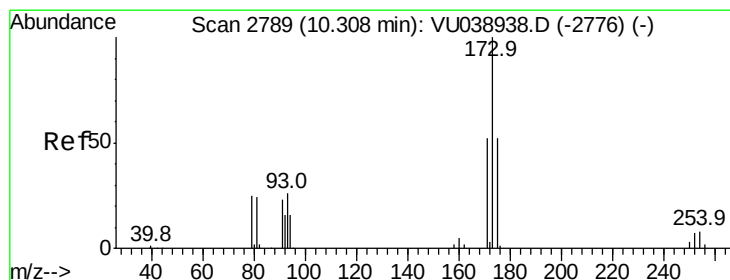
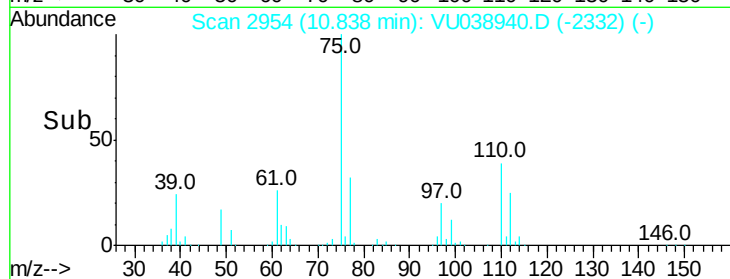
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 20.487 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

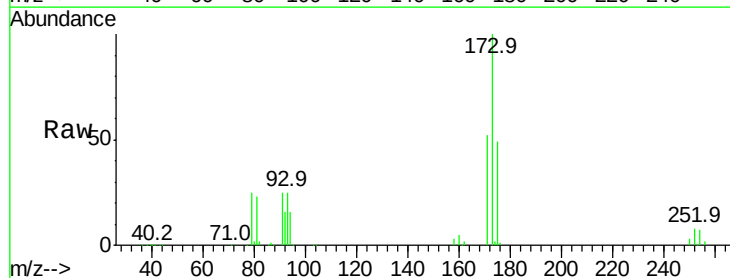
Tgt Ion: 173 Resp: 256959

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

254 7.2 6.1 9.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

10.31

200000

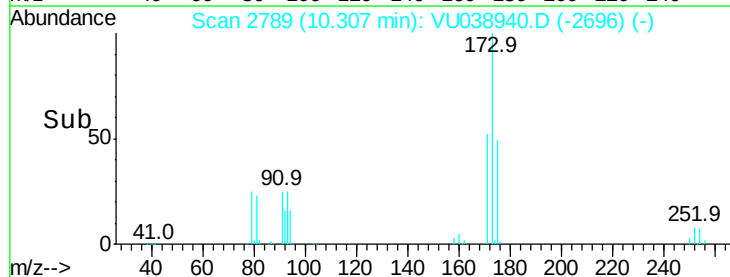
150000

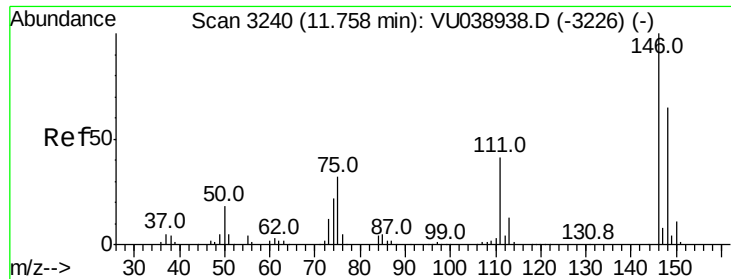
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 19.281 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

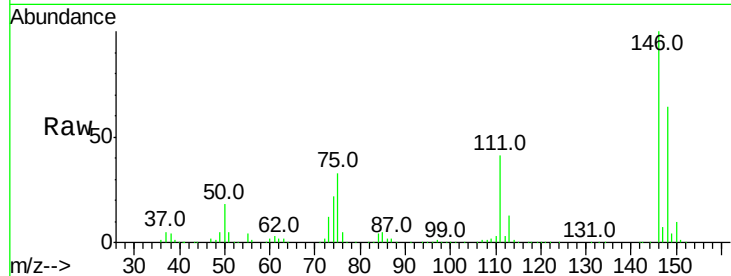
Tgt Ion:146 Resp: 1000228

Ion Ratio Lower Upper

146 100

111 40.9 29.0 53.8

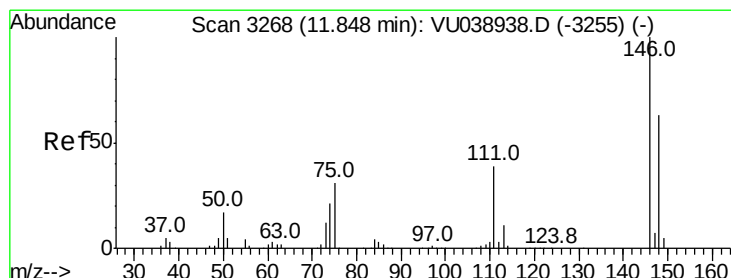
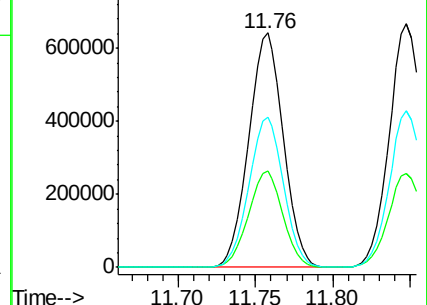
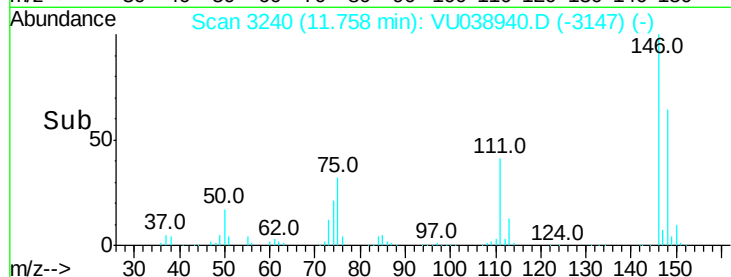
148 64.2 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 19.358 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

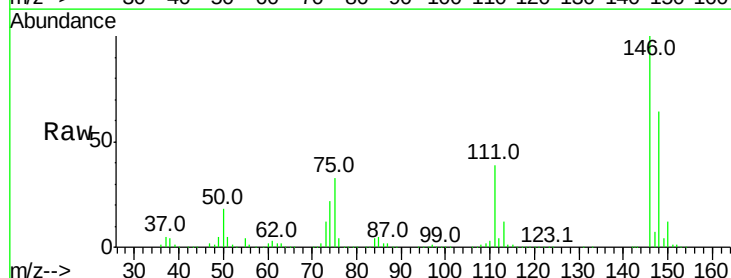
Tgt Ion:146 Resp: 1017288

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.6

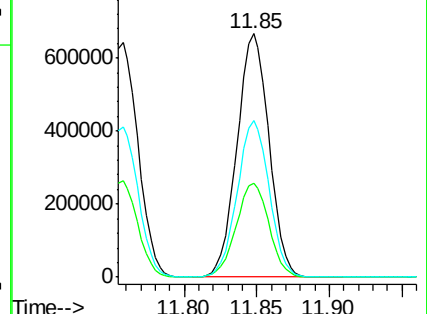
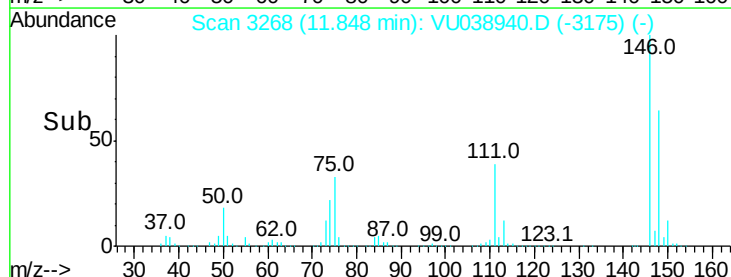
148 64.1 44.0 81.6

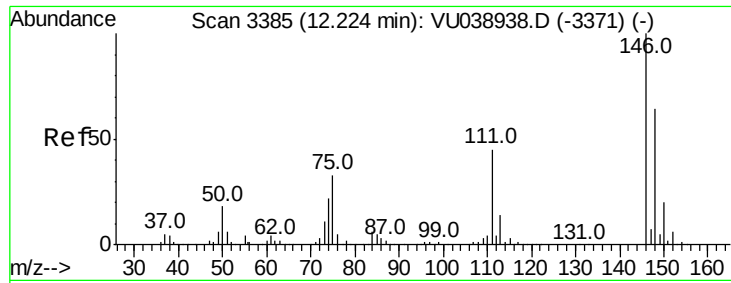


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

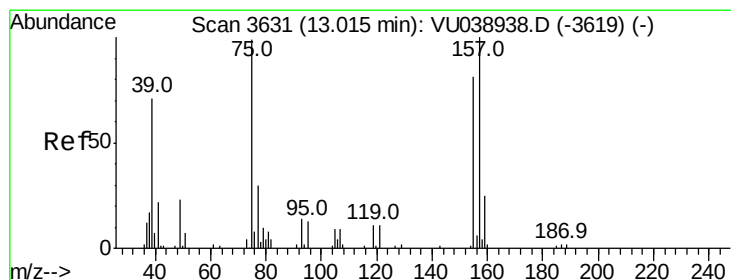
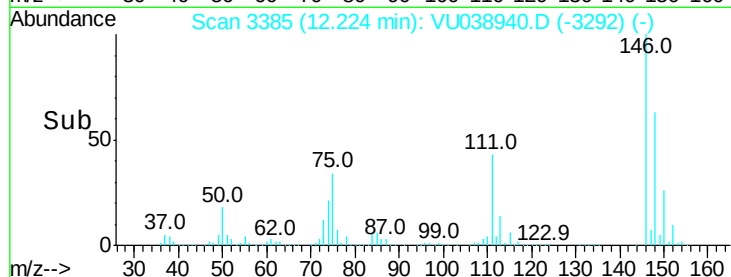
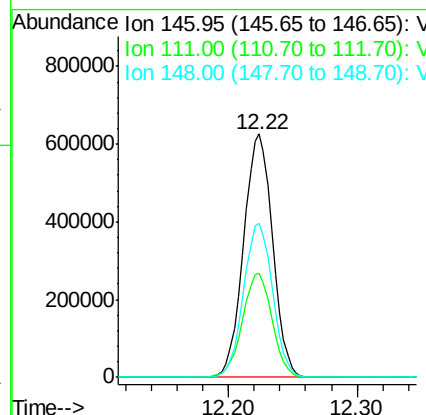
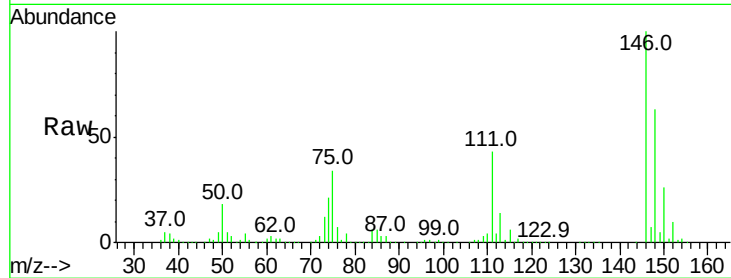




#65
 1,2-Dichlorobenzene
 Concen: 18.970 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

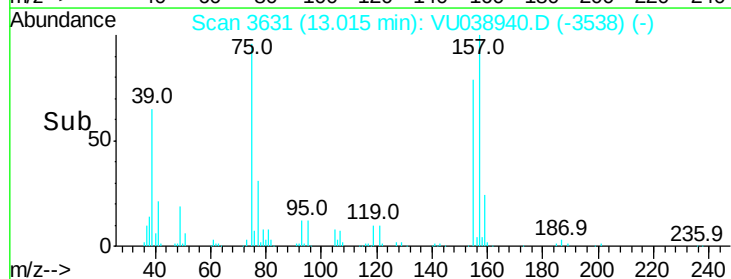
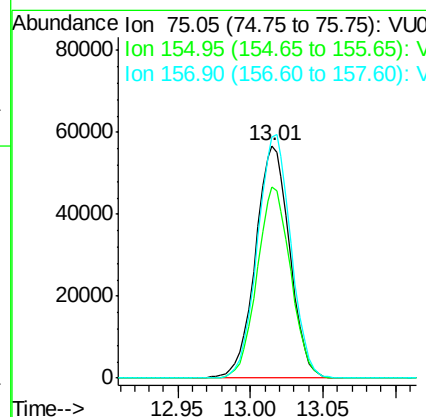
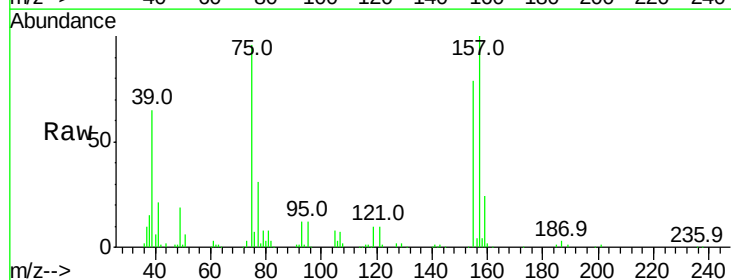
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

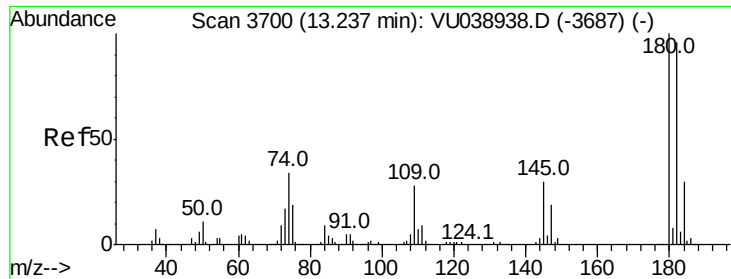
Tgt Ion:146 Resp: 977957
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.7 53.5
 148 63.4 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.387 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Tgt Ion: 75 Resp: 93066
 Ion Ratio Lower Upper
 75 100
 155 82.4 65.4 98.2
 157 104.0 80.6 120.8

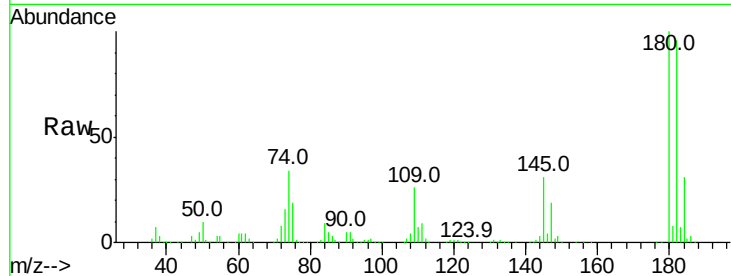




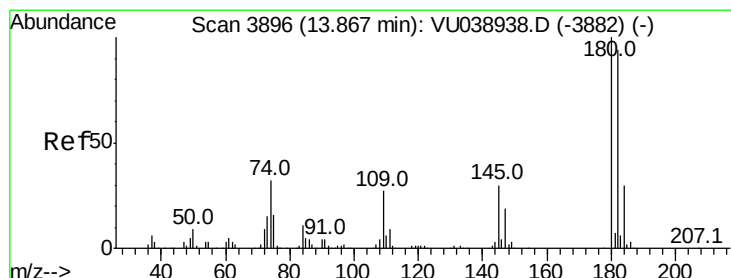
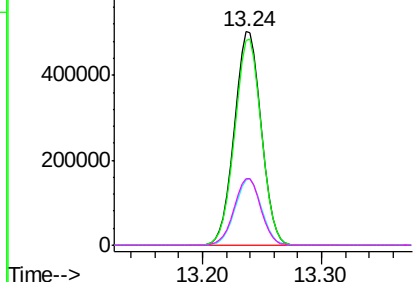
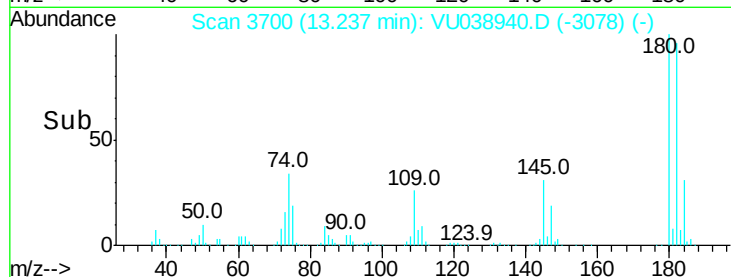
#67
 1,3,5-Trichlorobenzene
 Concen: 20.064 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion:180 Resp: 784232
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.3 114.5
 184 30.8 24.0 36.0
 145 31.1 24.6 36.8

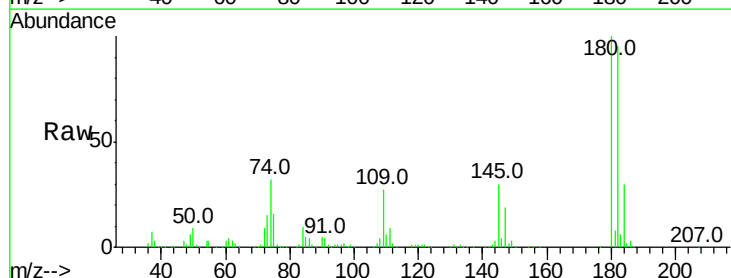


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

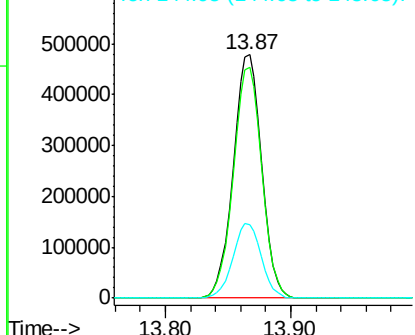
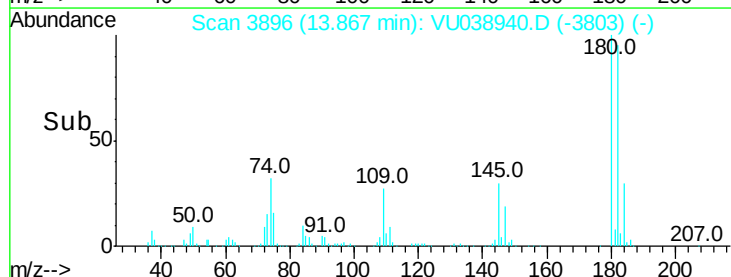


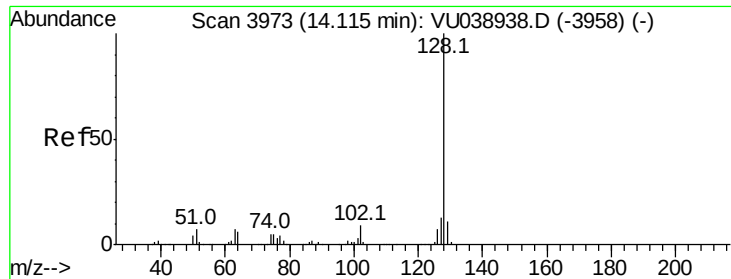
#68
 1,2,4-trichlorobenzene
 Concen: 22.854 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038940.D
 Acq: 17 Jun 2020 12:37

Tgt Ion:180 Resp: 748246
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 145 30.7 24.7 37.1



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: 25.373 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

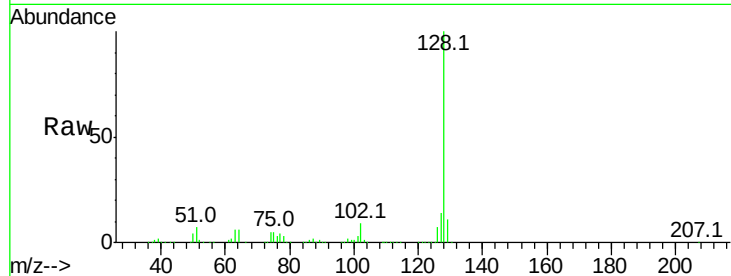
Tgt Ion:128 Resp: 1561890

Ion Ratio Lower Upper

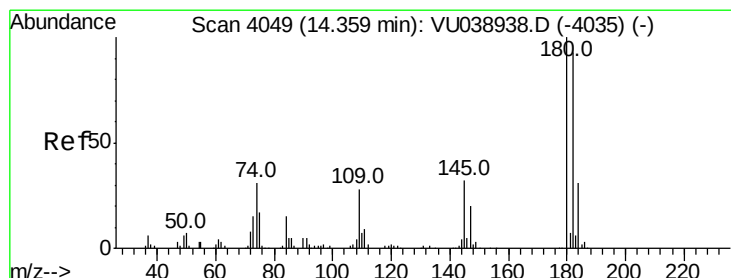
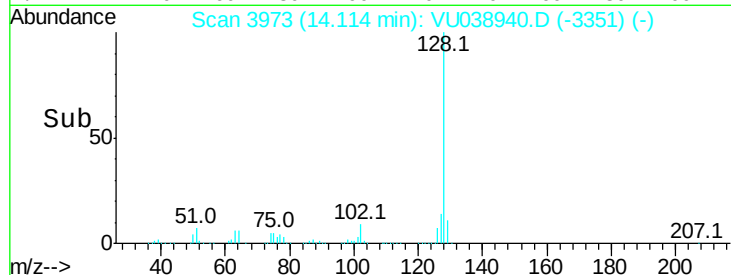
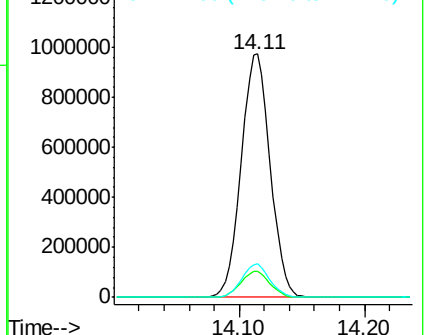
128 100

129 10.8 8.6 12.8

127 13.3 10.6 16.0



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: 22.587 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038940.D

Acq: 17 Jun 2020 12:37

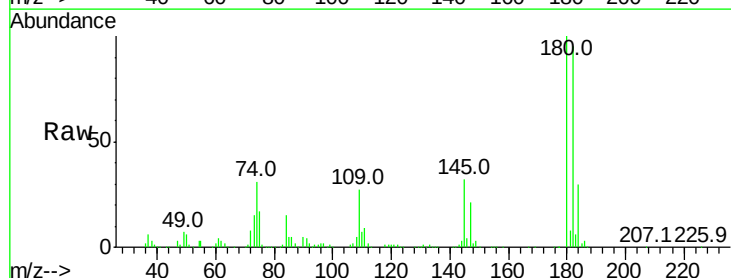
Tgt Ion:180 Resp: 691956

Ion Ratio Lower Upper

180 100

182 94.9 75.5 113.3

145 33.0 27.2 40.8



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

