

Data File : VU038936.D
Acq On : 17 Jun 2020 11:05
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Quant Time: Jun 17 12:21:22 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	265107	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	265988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	134207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	10200	0.77	ug/L	0.00
7) Chloroethane-d5	1.93	69	8737	0.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	20589	0.64	ug/L	0.00
20) 2-Butanone-d5	4.68	46	31579	6.61	ug/L	0.00
24) Chloroform-d	5.10	84	21285	0.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	12269	0.67	ug/L	0.00
32) Benzene-d6	5.76	84	37977	0.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	11883	0.64	ug/L	0.00
41) Toluene-d8	7.92	98	32574	0.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5046	0.62	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	24001	5.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	11015	0.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	15375	0.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	13962	0.541 ug/L	95
3) Chloromethane	1.53	50	13270	0.616 ug/L	97
5) Vinyl chloride	1.62	62	13744	0.605 ug/L	99
6) Bromomethane	1.88	94	7155	0.513 ug/L	89
8) Chloroethane	1.95	64	9904	0.587 ug/L	98
9) Trichlorofluoromethane	2.16	101	20635	0.523 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	10895	0.557 ug/L	97
12) 1,1-Dichloroethene	2.61	96	9909	0.529 ug/L	92
13) Acetone	2.69	43	23552	6.020 ug/L	98
14) Carbon disulfide	2.82	76	34503	0.555 ug/L	99
15) Methyl Acetate	2.99	43	5848	0.613 ug/L	96
16) Methylene chloride	3.08	84	12768	0.593 ug/L	94
17) Methyl tert-butyl Ether	3.40	73	25693	0.537 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	10297	0.519 ug/L	88
19) 1,1-Dichloroethane	3.91	63	19708	0.542 ug/L	94
21) 2-Butanone	4.76	43	30787	4.841 ug/L	90
22) cis-1,2-Dichloroethene	4.71	96	10505	0.506 ug/L	92
23) Bromochloromethane	5.02	128	5276	0.537 ug/L	83
25) Chloroform	5.13	83	19546	0.515 ug/L	88
27) 1,2-Dichloroethane	5.83	62	14665	0.545 ug/L	# 93
29) 1,1,1-Trichloroethane	5.35	97	17287	0.525 ug/L	96
30) Cyclohexane	5.42	56	15911	0.536 ug/L	94
31) Carbon tetrachloride	5.56	117	16089	0.574 ug/L	93
33) Benzene	5.81	78	41954	0.531 ug/L	100
34) Trichloroethene	6.57	95	10379	0.503 ug/L	87
35) Methylcyclohexane	6.79	83	15453	0.503 ug/L	98
37) 1,2-Dichloropropane	6.82	63	11094	0.544 ug/L	# 96
38) Bromodichloromethane	7.13	83	14719	0.549 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	15231	0.522 ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	67763	4.873 ug/L	99

Data File : VU038936.D
Acq On : 17 Jun 2020 11:05
Operator : SY/MD
Sample : VSTD0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Quant Time: Jun 17 12:21:22 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)
42) Toluene	7.99	91	40464	0.486	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	13598	0.510	ug/L	88
45) 1,1,2-Trichloroethane	8.43	97	8016	0.514	ug/L	91
47) Tetrachloroethene	8.57	164	8342	0.528	ug/L	89
48) 2-Hexanone	8.71	43	50613	4.591	ug/L	97
49) Dibromochloromethane	8.83	129	9444	0.522	ug/L	99
50) 1,2-Dibromoethane	8.95	107	8400	0.556	ug/L #	96
51) Chlorobenzene	9.47	112	28182	0.520	ug/L	98
52) Ethylbenzene	9.59	91	41994	0.453	ug/L	97
53) m,p-Xylene	9.71	106	16079	0.462	ug/L	90
54) o-Xylene	10.12	106	15265	0.456	ug/L	100
55) Styrene	10.13	104	24845	0.427	ug/L	96
56) Isopropylbenzene	10.50	105	40638	0.467	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	11724	0.587	ug/L	93
59) 1,2,3-Trichloropropane	10.84	75	8473	0.539	ug/L	98
61) Bromoform	10.31	173	6323	0.618	ug/L #	88
62) 1,3-Dichlorobenzene	11.76	146	21797	0.515	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	22886	0.534	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	23643	0.562	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	2747	0.738	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	18947	0.594	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	15377	0.576	ug/L	99
69) Naphthalene	14.12	128	28739	0.572	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	14806	0.593	ug/L	99

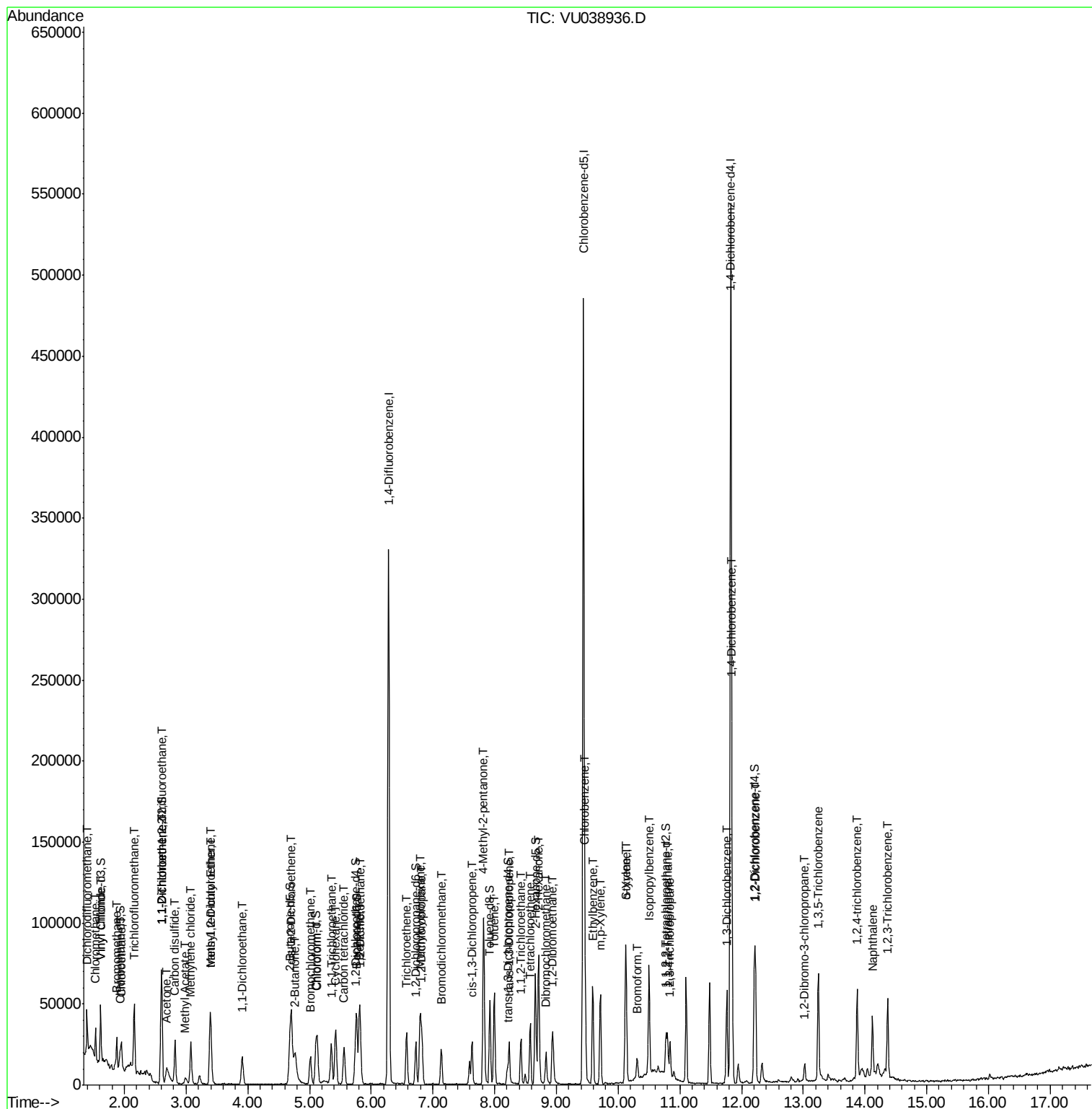
(#) = qualifier out of range (m) = manual integration (+) = signals summed

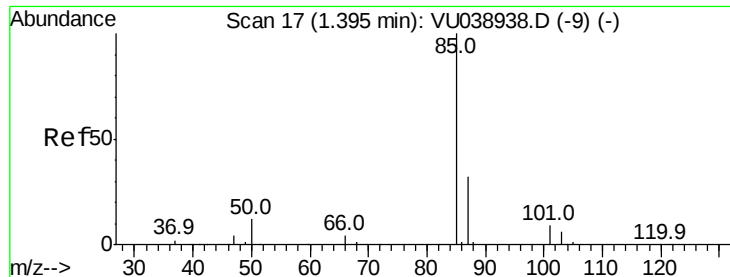
Data File : VU038936.D

```
Acq On       : 17 Jun 2020   11:05
Operator     : SY/MD
Sample       : VSTD0.5
Misc         : 25.0mL/MSVOA_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Quant Time: Jun 17 12:21:22 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





#2

Dichlorodifluoromethane

Concen: 0.541 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

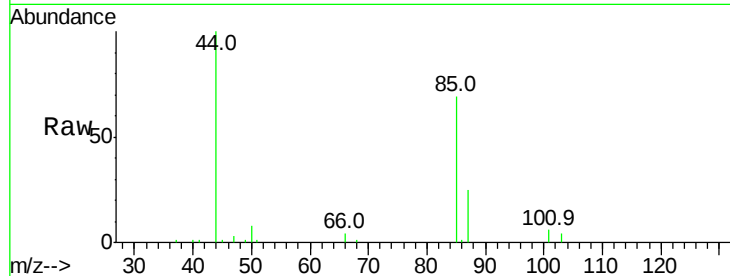
VSTD0.504

Tgt Ion: 85 Resp: 13962

Ion Ratio Lower Upper

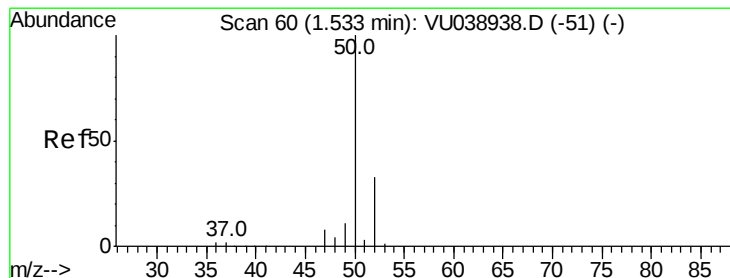
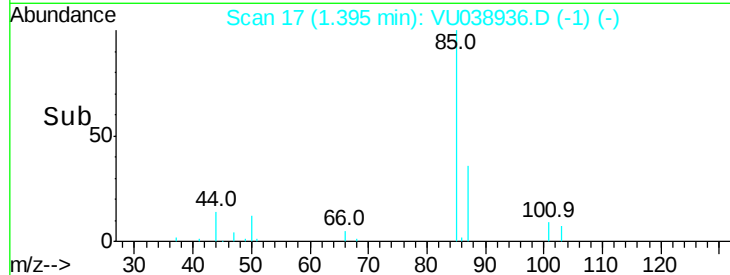
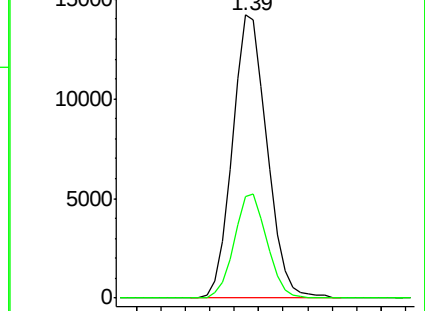
85 100

87 34.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU038936.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038936.D (-9) (-)



#3

Chloromethane

Concen: 0.616 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038936.D

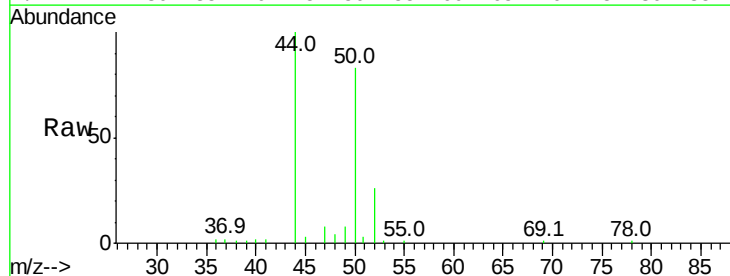
Acq: 17 Jun 2020 11:05

Tgt Ion: 50 Resp: 13270

Ion Ratio Lower Upper

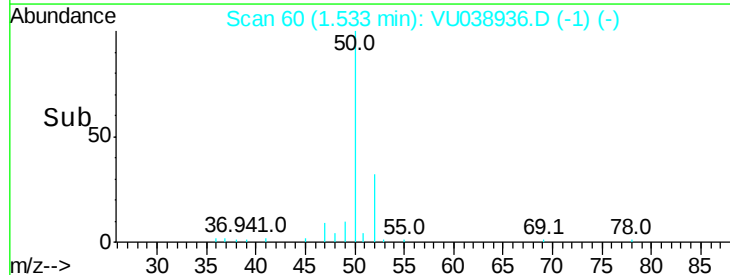
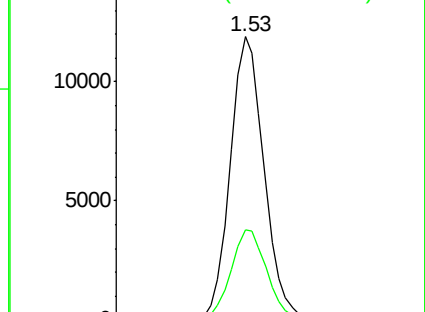
50 100

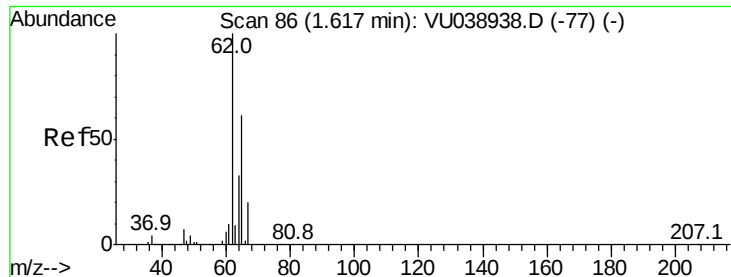
52 31.7 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU038936.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038936.D (-51) (-)





#5

Vinyl chloride

Concen: 0.605 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

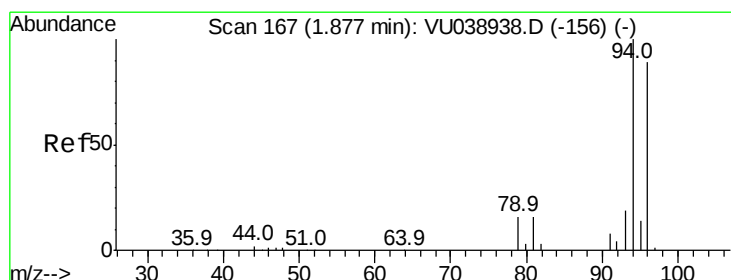
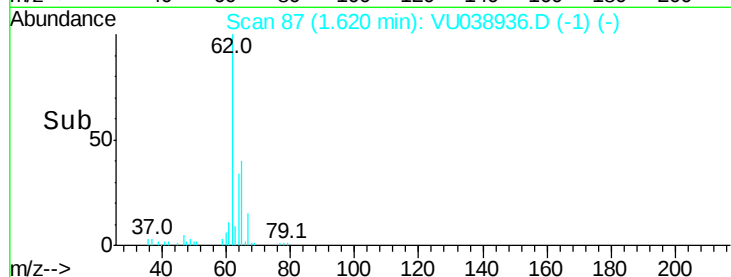
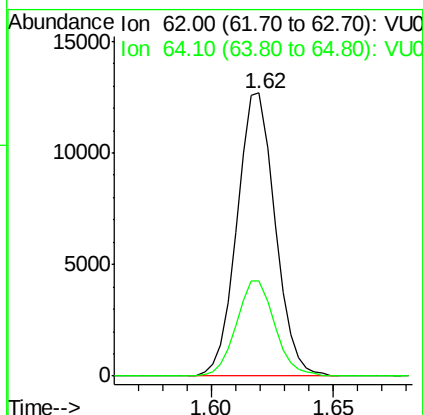
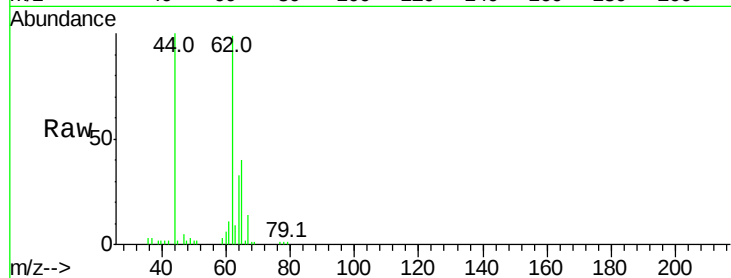
VSTD0.504

Tgt Ion: 62 Resp: 13744

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



#6

Bromomethane

Concen: 0.513 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038936.D

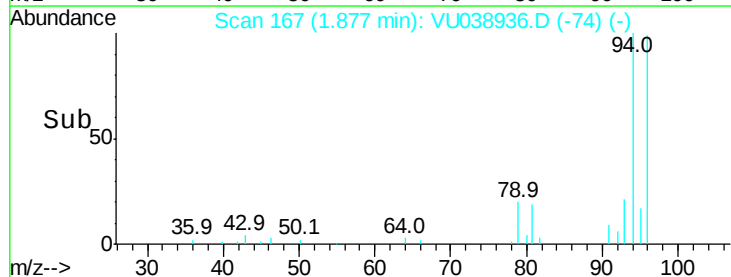
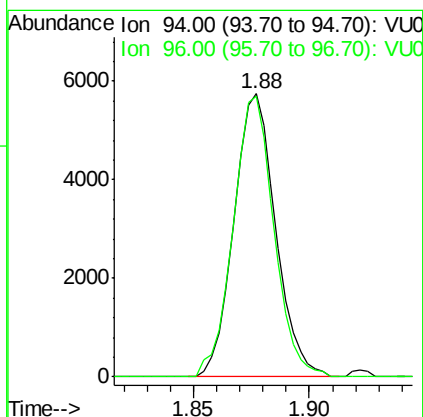
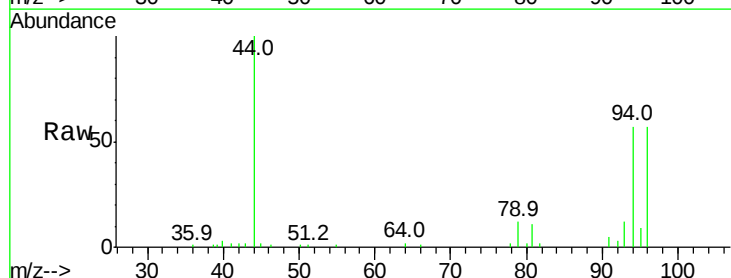
Acq: 17 Jun 2020 11:05

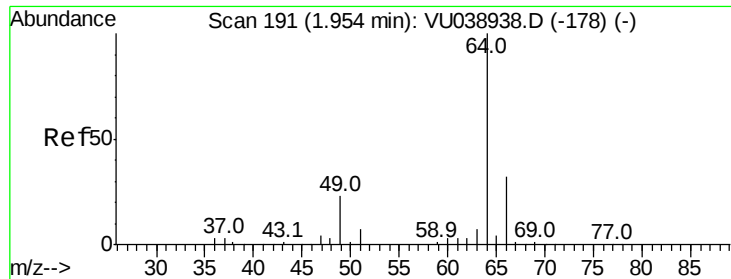
Tgt Ion: 94 Resp: 7155

Ion Ratio Lower Upper

94 100

96 99.0 62.3 115.7

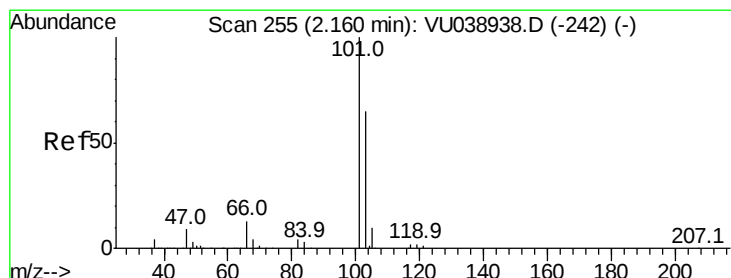
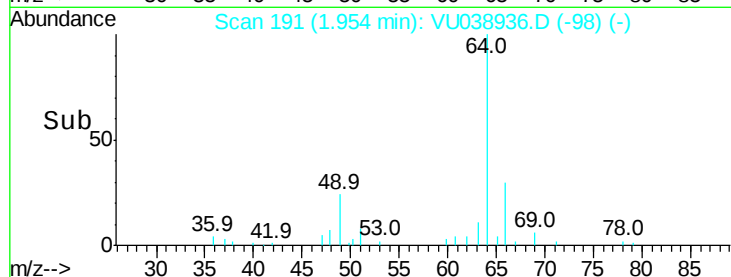
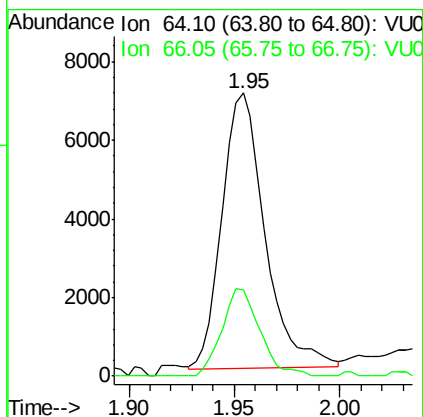
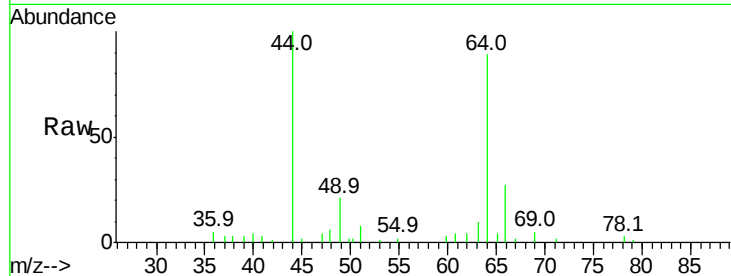




#8
 Chloroethane
 Concen: 0.587 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

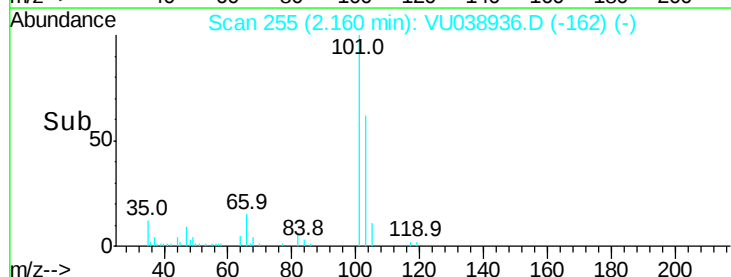
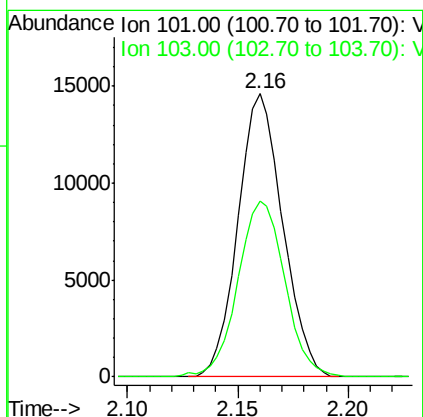
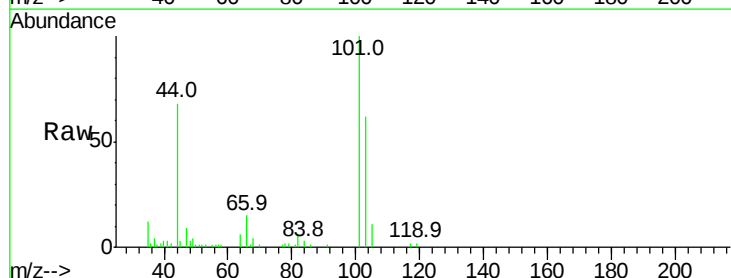
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

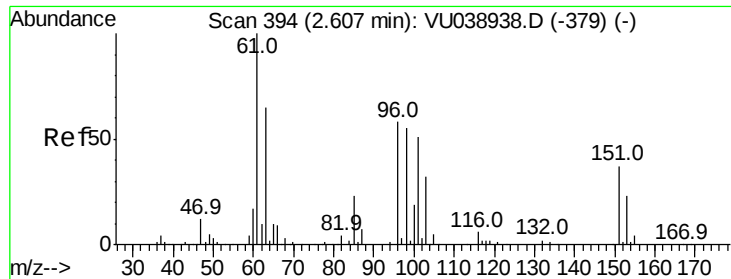
Tgt Ion: 64 Resp: 9904
 Ion Ratio Lower Upper
 64 100
 66 30.3 22.1 41.1



#9
 Trichlorofluoromethane
 Concen: 0.523 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion: 101 Resp: 20635
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2





#10

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

Concen: 0.557 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

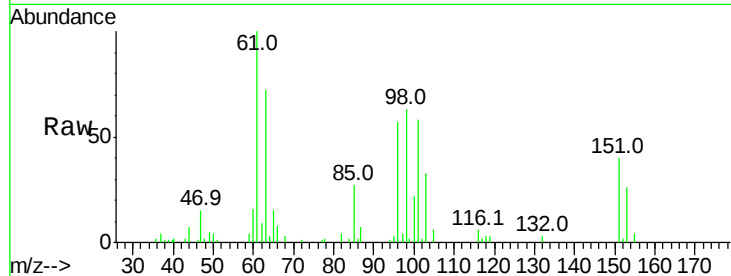
Tgt Ion:101 Resp: 10895

Ion Ratio Lower Upper

101 100

85 47.3 35.7 53.5

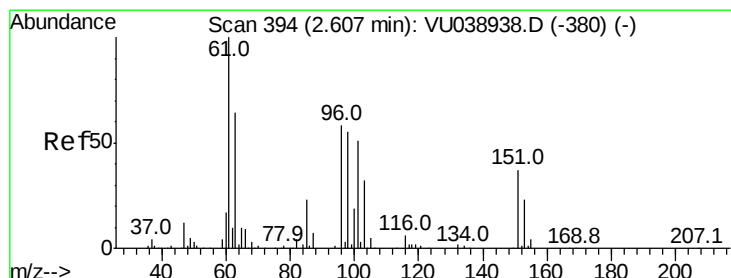
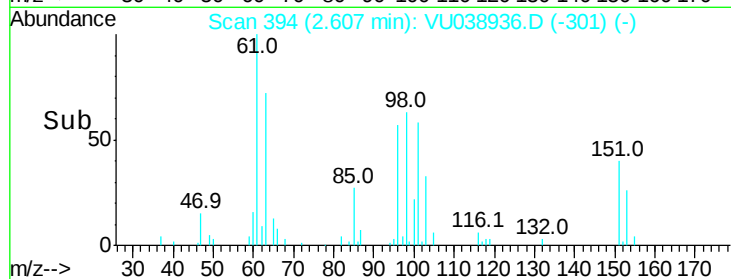
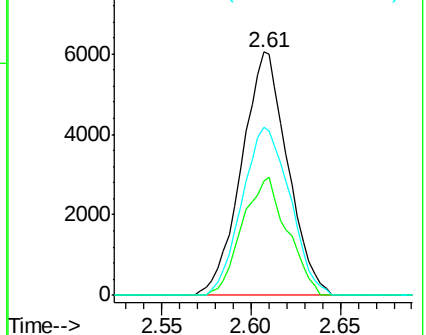
151 71.8 58.5 87.7



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: 0.529 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

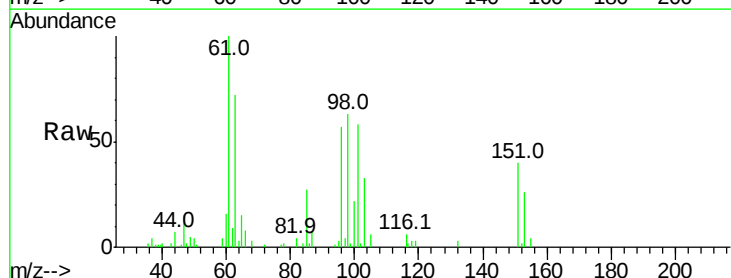
Tgt Ion: 96 Resp: 9909

Ion Ratio Lower Upper

96 100

61 176.3 120.3 223.5

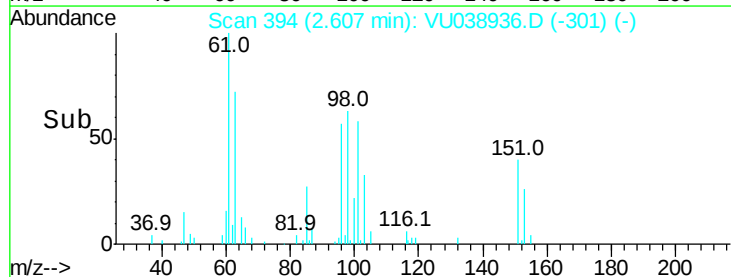
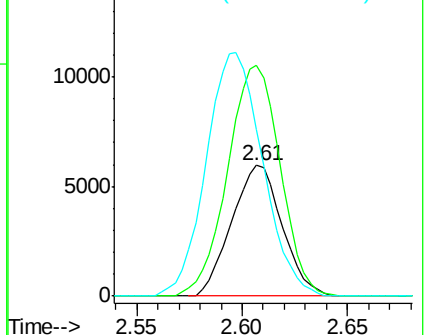
63 127.7 78.7 146.1

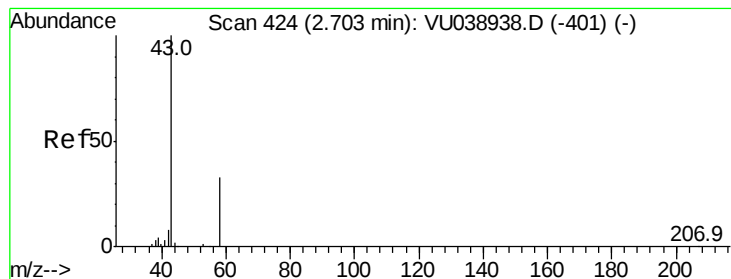


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.020 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.02 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

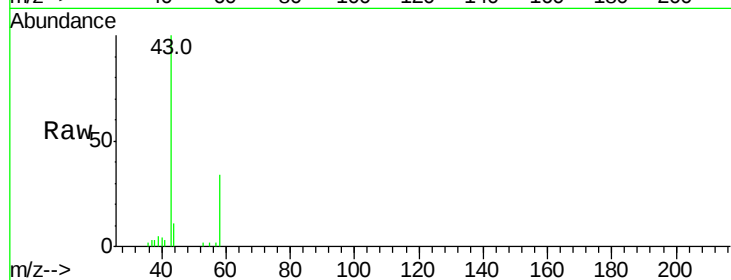
VSTD0.504

Tgt Ion: 43 Resp: 23552

Ion Ratio Lower Upper

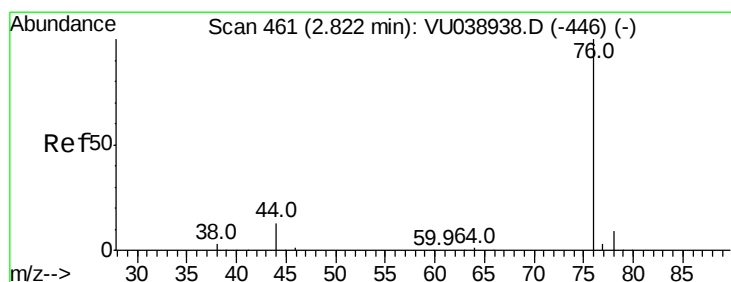
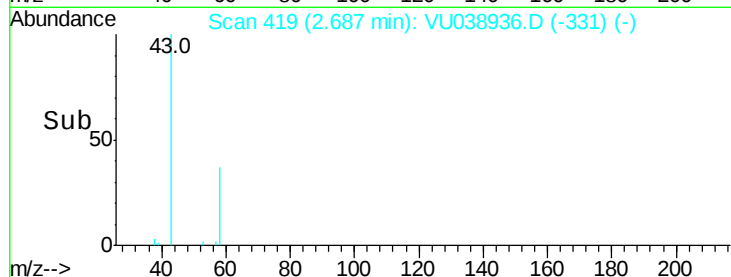
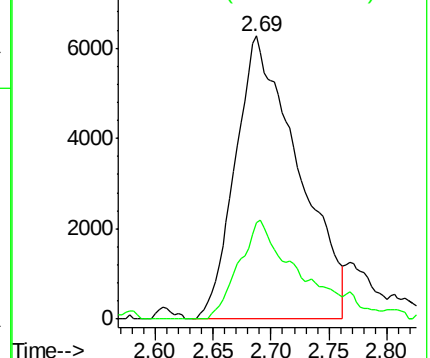
43 100

58 31.6 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) (-)



#14

Carbon disulfide

Concen: 0.555 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038936.D

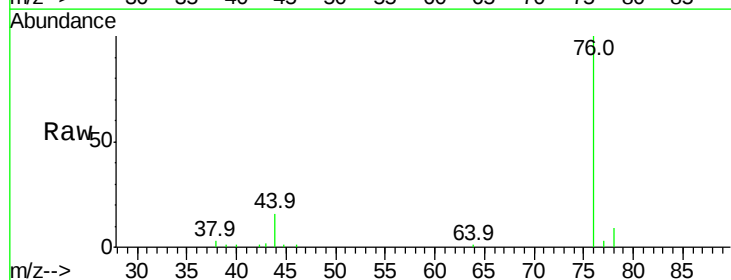
Acq: 17 Jun 2020 11:05

Tgt Ion: 76 Resp: 34503

Ion Ratio Lower Upper

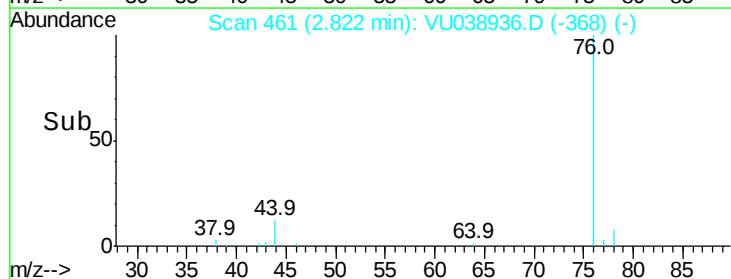
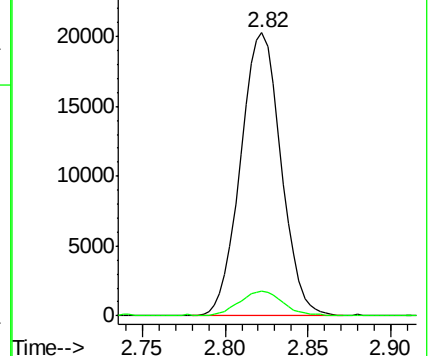
76 100

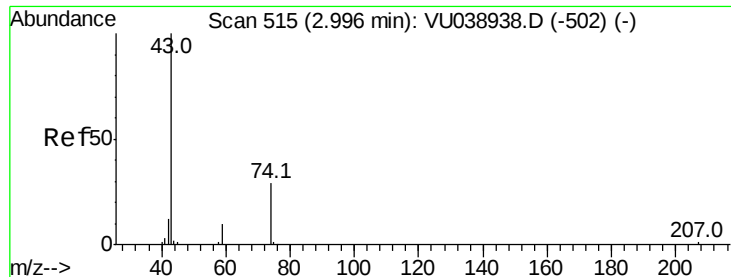
78 8.7 7.4 11.0



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

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





#15

Methyl Acetate

Concen: 0.613 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.01 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

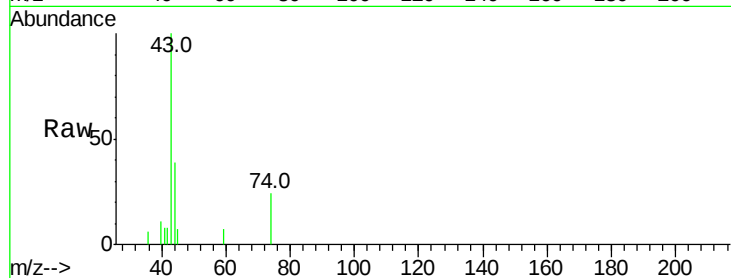
VSTD0.504

Tgt Ion: 43 Resp: 5848

Ion Ratio Lower Upper

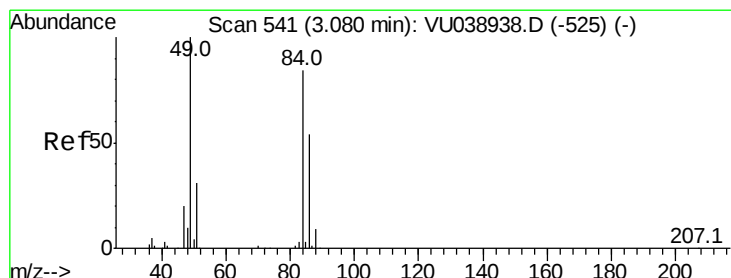
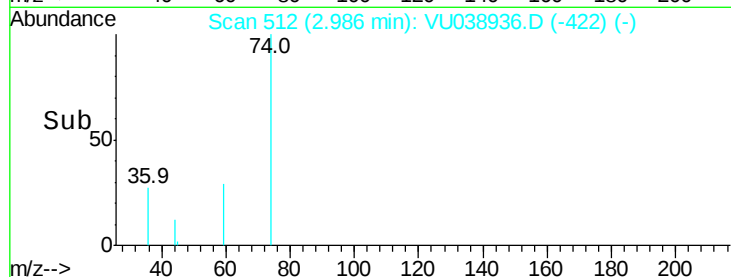
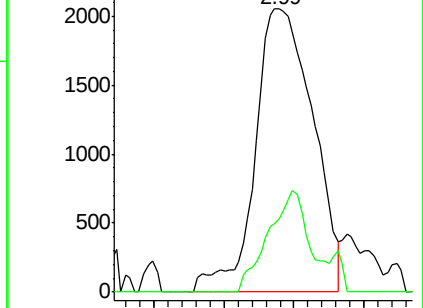
43 100

74 25.5 22.2 33.2



Abundance Ion 43.05 (42.75 to 43.75): VU038938.D (-502) (-)

Ion 74.05 (73.75 to 74.75): VU038938.D (-502) (-)



#16

Methylene chloride

Concen: 0.593 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

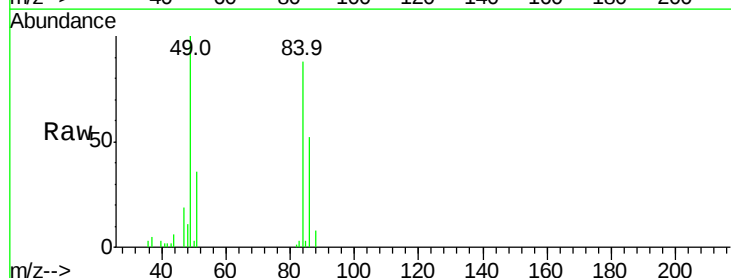
Tgt Ion: 84 Resp: 12768

Ion Ratio Lower Upper

84 100

86 59.1 45.1 83.7

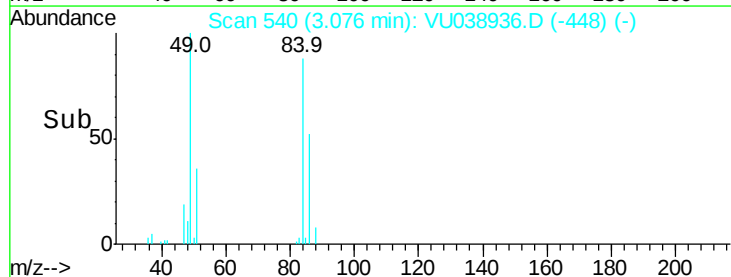
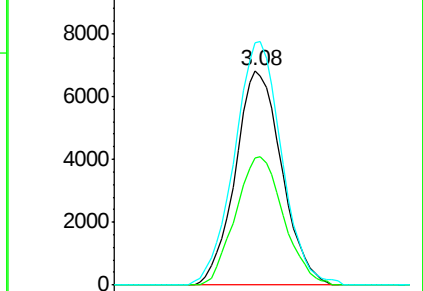
49 113.3 83.7 155.4

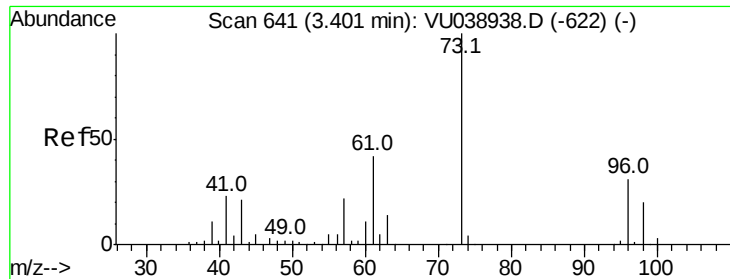


Abundance Ion 84.05 (83.75 to 84.75): VU038938.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038938.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038938.D (-525) (-)

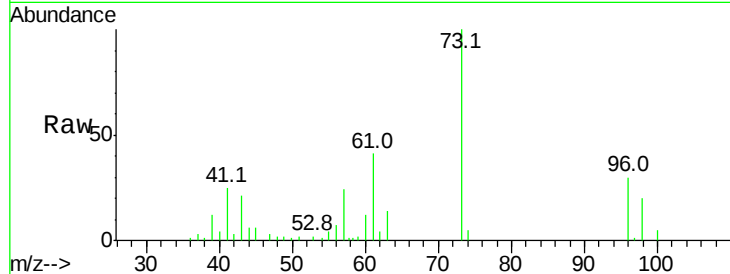




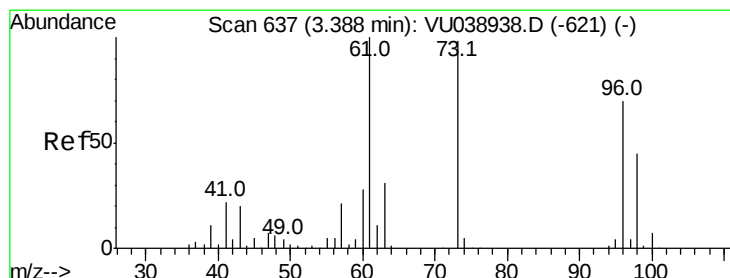
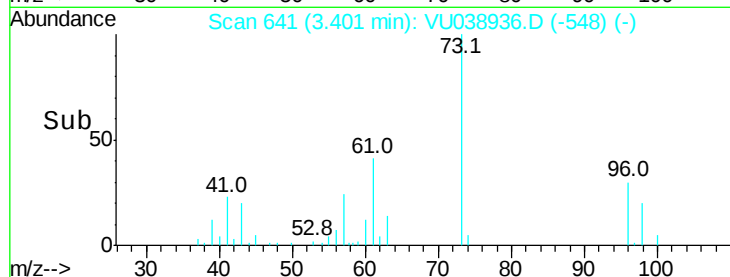
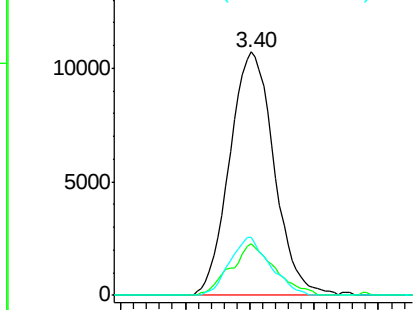
#17
Methyl tert-butyl Ether
Concen: 0.537 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion: 73 Resp: 25693
Ion Ratio Lower Upper
73 100
43 20.8 17.0 25.4
57 21.6 17.7 26.5

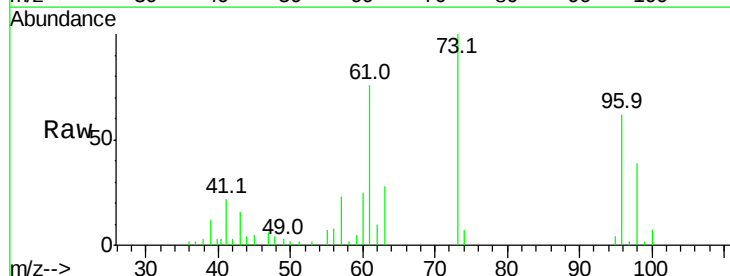


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

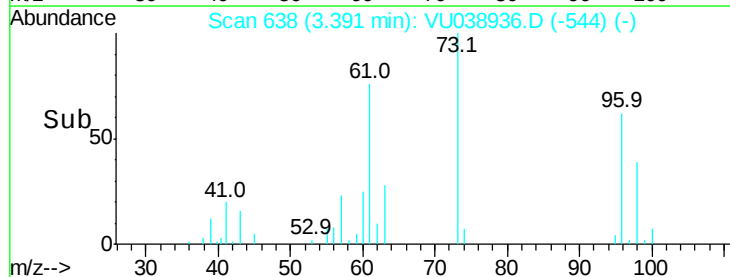
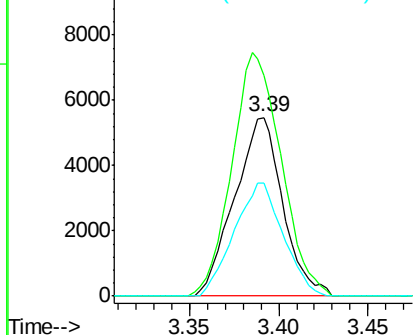


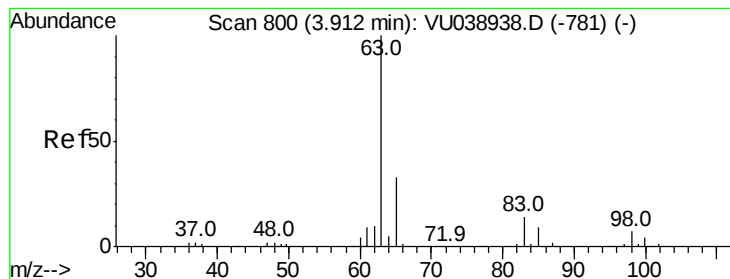
#18
trans-1,2-Dichloroethene
Concen: 0.519 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion: 96 Resp: 10297
Ion Ratio Lower Upper
96 100
61 123.3 100.3 186.3
98 63.1 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.542 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

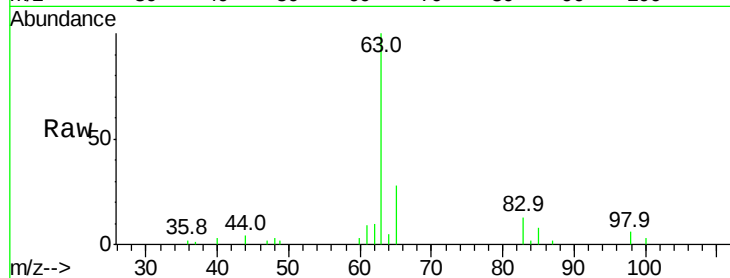
Tgt Ion: 63 Resp: 19708

Ion Ratio Lower Upper

63 100

65 28.3 22.8 42.4

83 12.7 9.6 17.8



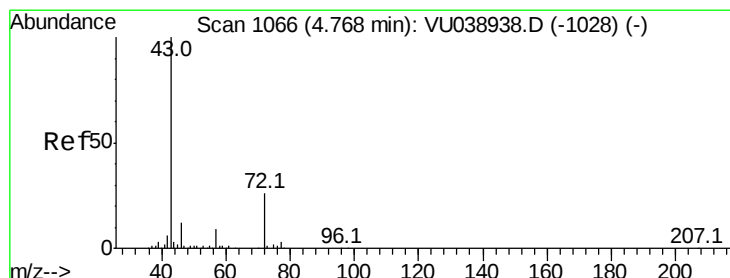
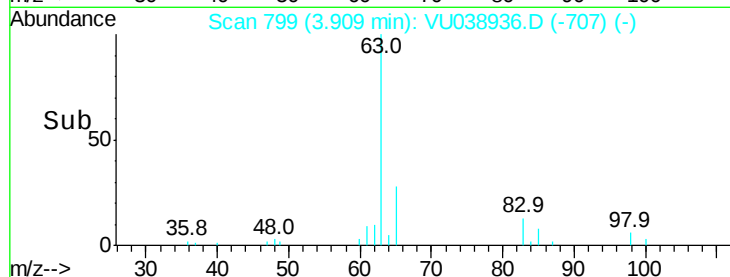
Abundance Ion 63.10 (62.80 to 63.80): VU038936.D (-799) (-)

Ion 65.10 (64.80 to 65.80): VU038936.D (-799) (-)

Ion 83.05 (82.75 to 83.75): VU038936.D (-799) (-)

3.91

Time-->



#21

2-Butanone

Concen: 4.841 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VU038936.D

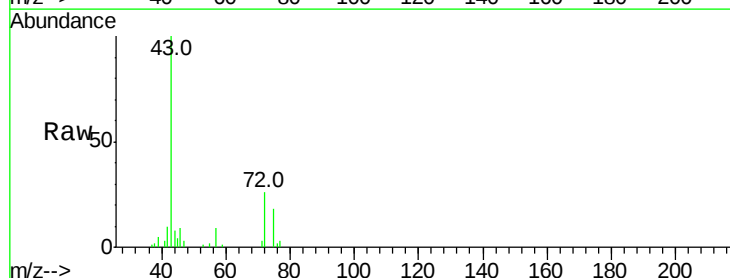
Acq: 17 Jun 2020 11:05

Tgt Ion: 43 Resp: 30787

Ion Ratio Lower Upper

43 100

72 29.9 12.5 37.5

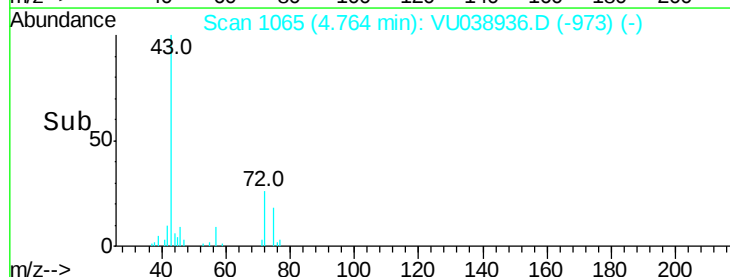


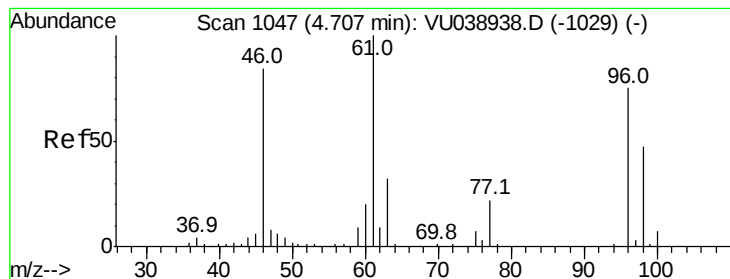
Abundance Ion 43.05 (42.75 to 43.75): VU038936.D (-1065) (-)

Ion 72.10 (71.80 to 72.80): VU038936.D (-1065) (-)

4.76

Time-->





#22

cis-1,2-Dichloroethene

Concen: 0.506 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

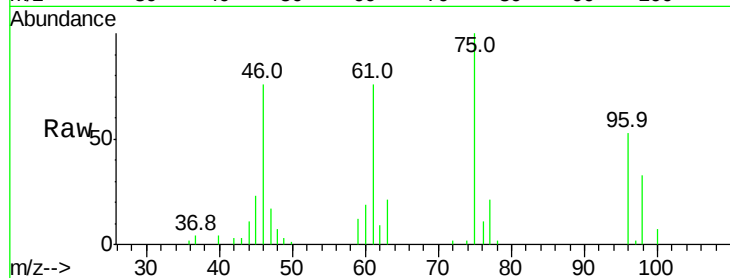
Tgt Ion: 96 Resp: 10505

Ion Ratio Lower Upper

96 100

61 143.1 93.7 173.9

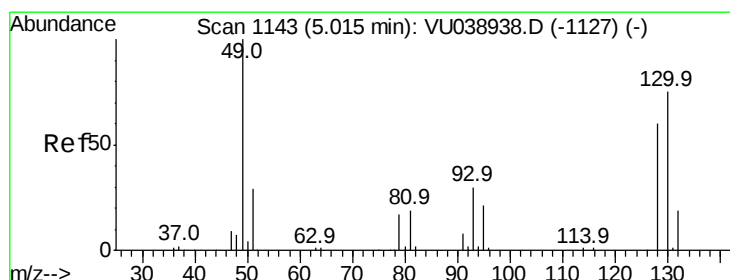
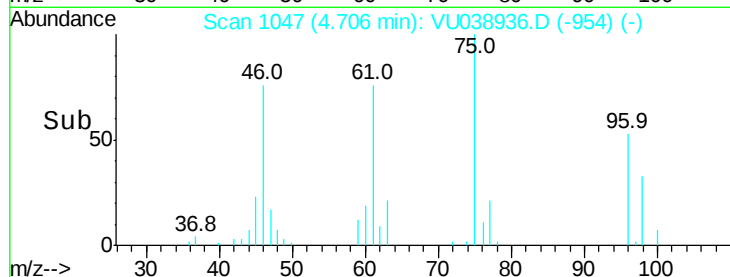
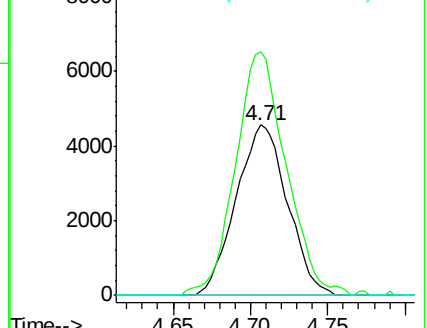
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038936.D (-1029) (-)

Ion 61.05 (60.75 to 61.75): VU038936.D (-1029) (-)

Ion 68.15 (67.85 to 68.85): VU038936.D (-1029) (-)



#23

Bromochloromethane

Concen: 0.537 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Tgt Ion: 128 Resp: 5276

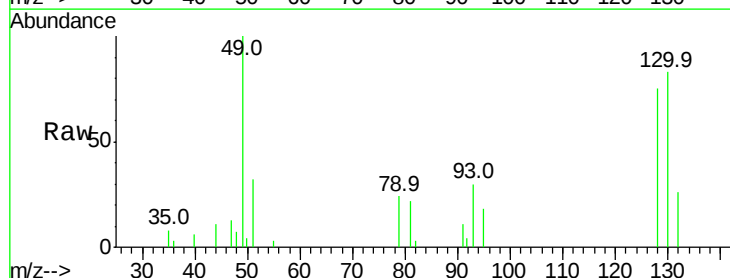
Ion Ratio Lower Upper

128 100

49 138.1 117.4 218.0

130 109.6 87.8 163.2

51 42.5 39.1 58.7

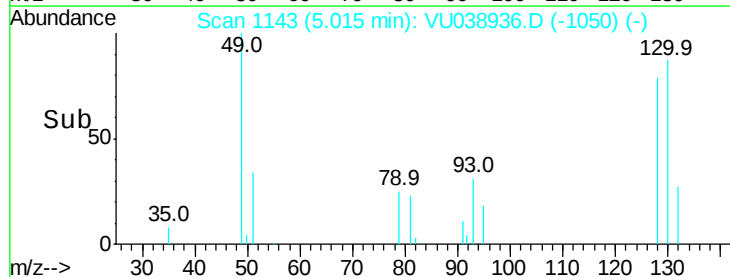
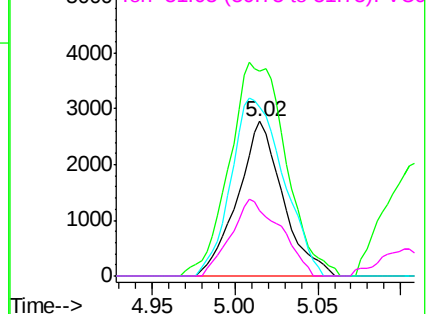


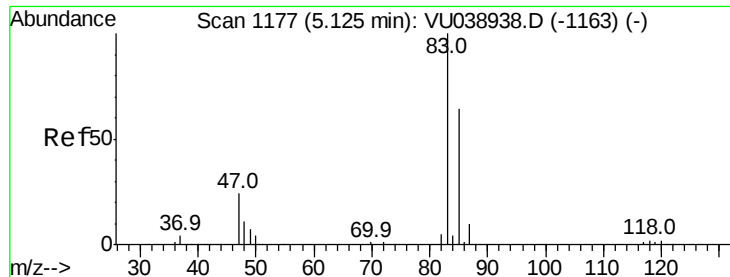
Abundance Ion 127.90 (127.60 to 128.60): VU038936.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU038936.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU038936.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU038936.D (-1050) (-)

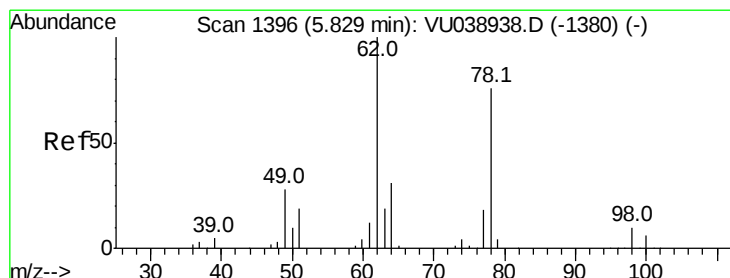
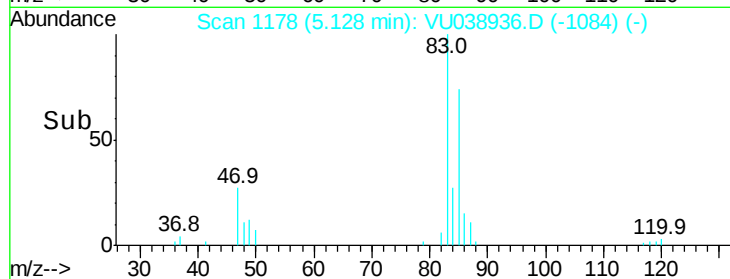
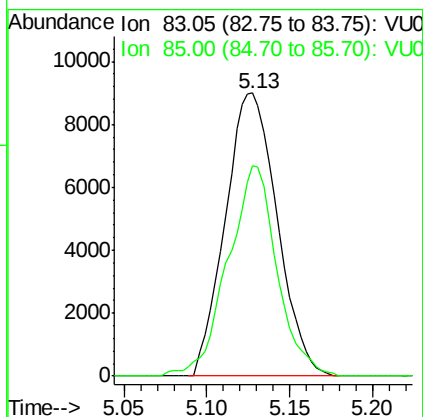
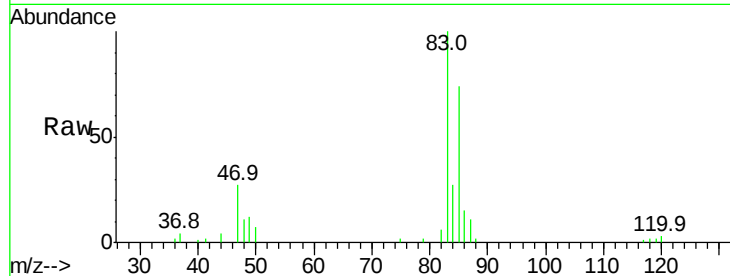




#25
Chloroform
Concen: 0.515 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

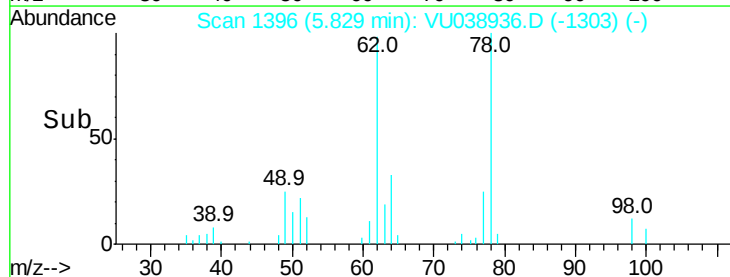
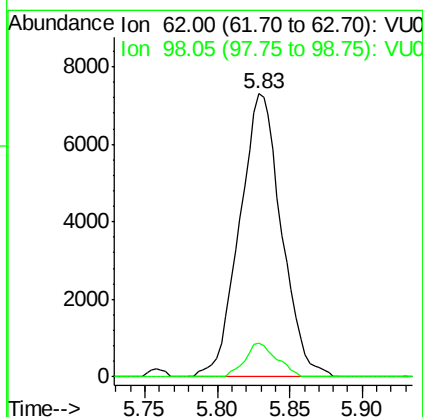
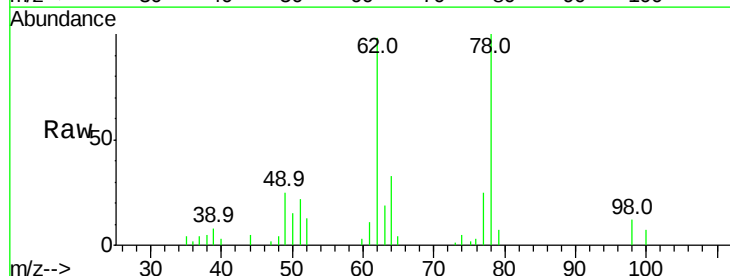
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

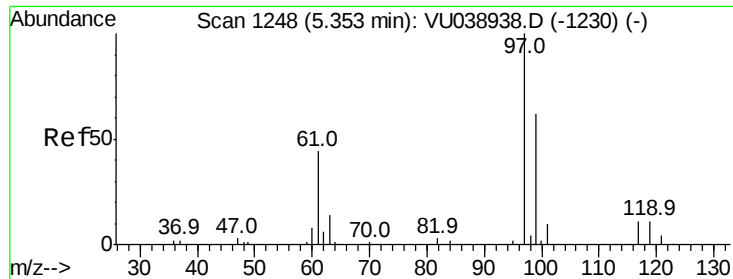
Tgt Ion: 83 Resp: 19546
Ion Ratio Lower Upper
83 100
85 74.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.545 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion: 62 Resp: 14665
Ion Ratio Lower Upper
62 100
98 12.0 7.6 11.4#

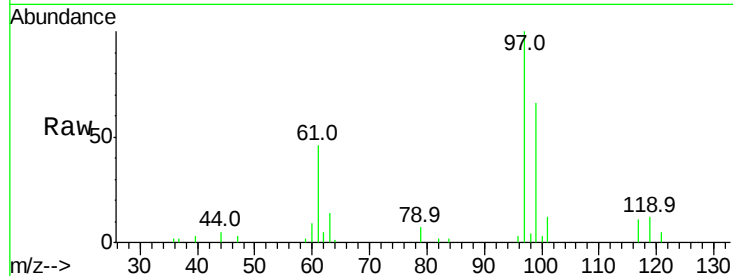




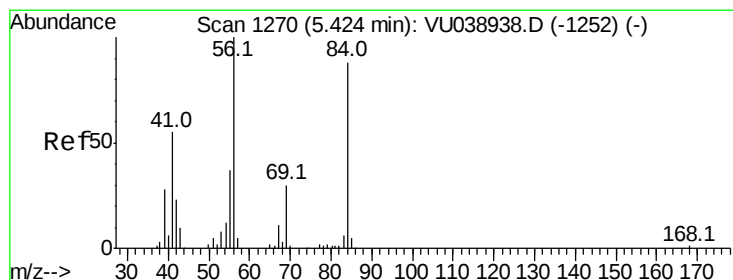
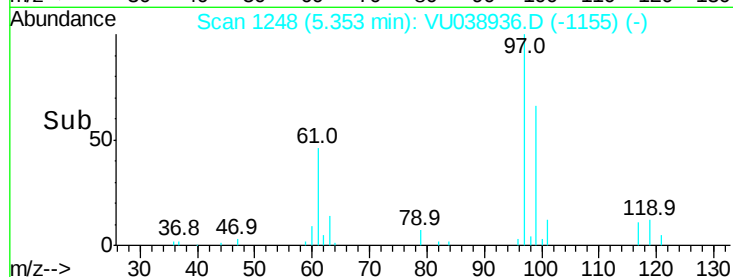
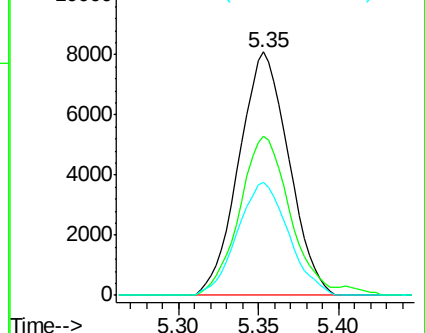
#29
1,1,1-Trichloroethane
Concen: 0.525 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion: 97 Resp: 17287
Ion Ratio Lower Upper
97 100
99 65.9 50.8 76.2
61 47.5 35.6 53.4

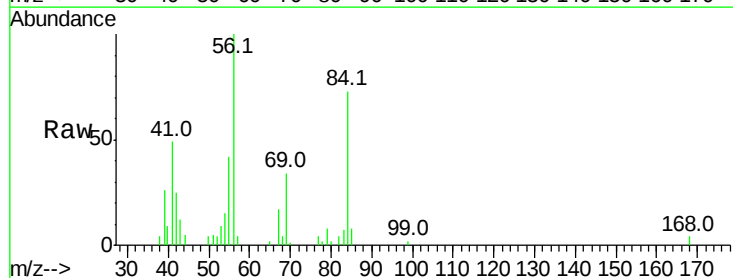


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

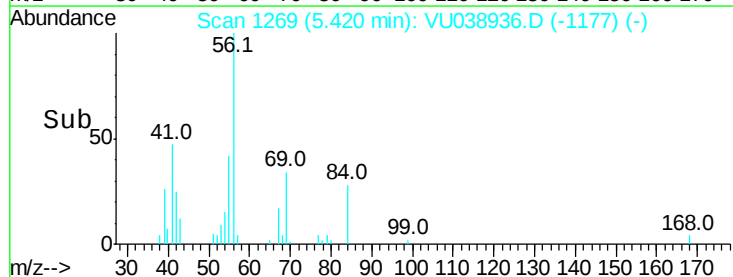
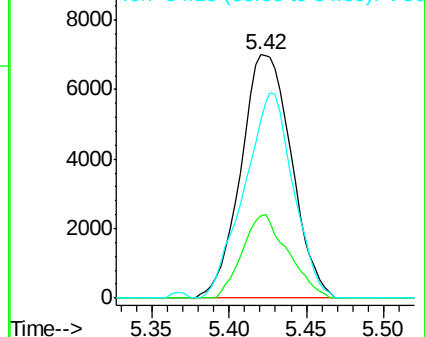


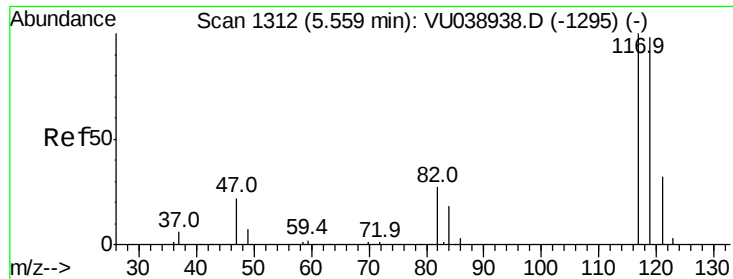
#30
Cyclohexane
Concen: 0.536 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion: 56 Resp: 15911
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 81.9 72.0 108.0



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: 0.574 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

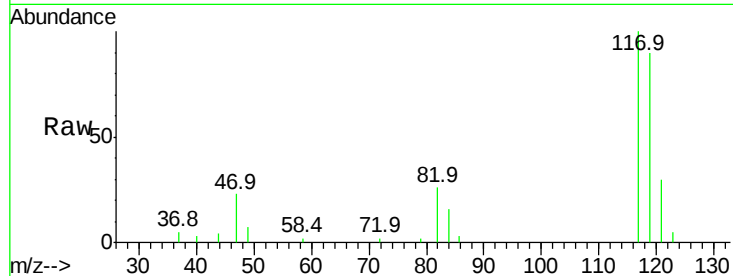
VSTD0.504

Tgt Ion:117 Resp: 16089

Ion Ratio Lower Upper

117 100

119 90.0 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

8000

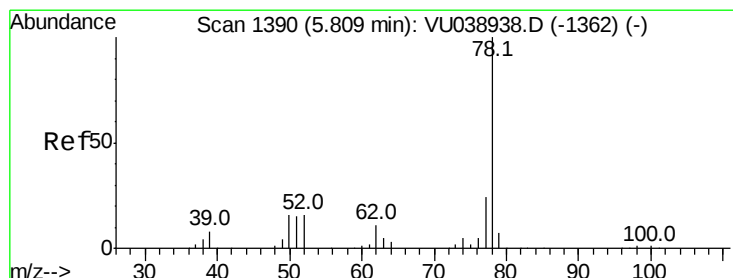
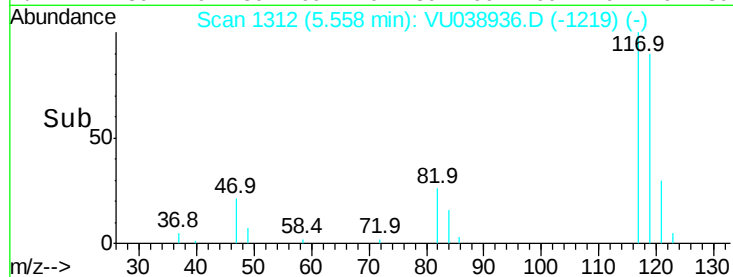
6000

4000

2000

0

Time-->



#33

Benzene

Concen: 0.531 ug/L

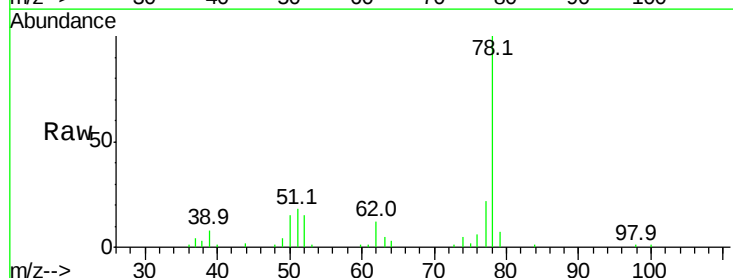
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Tgt Ion: 78 Resp: 41954



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

20000

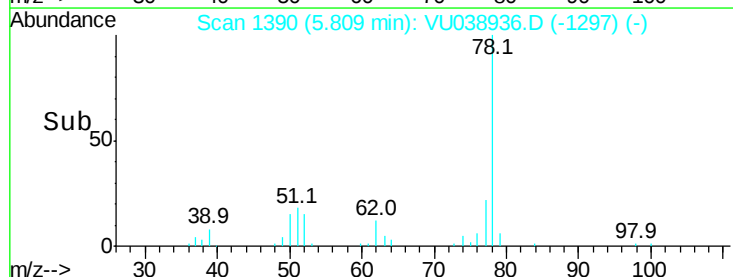
15000

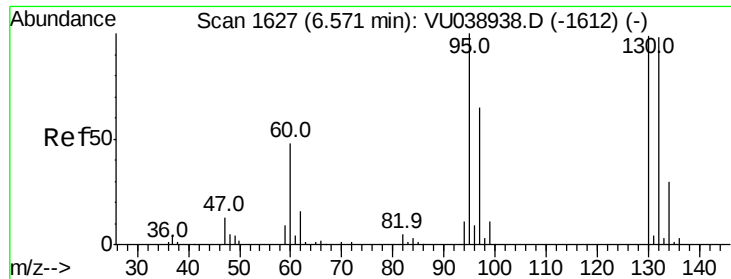
10000

5000

0

Time-->

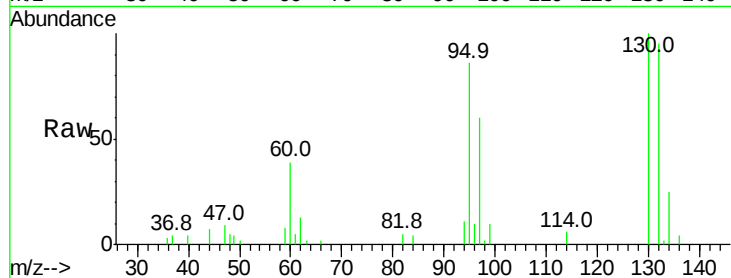




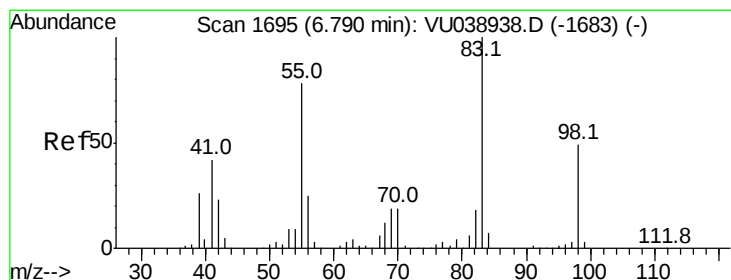
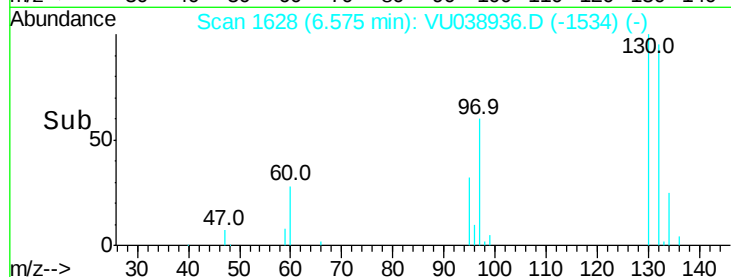
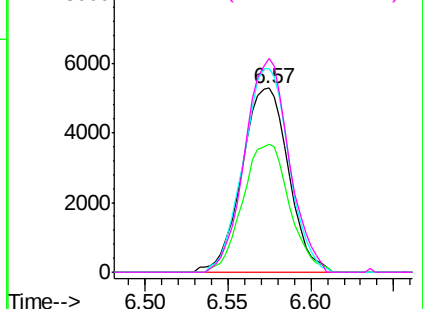
#34
 Trichloroethene
 Concen: 0.503 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion: 95 Resp: 10379
 Ion Ratio Lower Upper
 95 100
 97 69.8 45.4 84.4
 132 110.7 68.4 127.0
 130 116.1 69.6 129.2

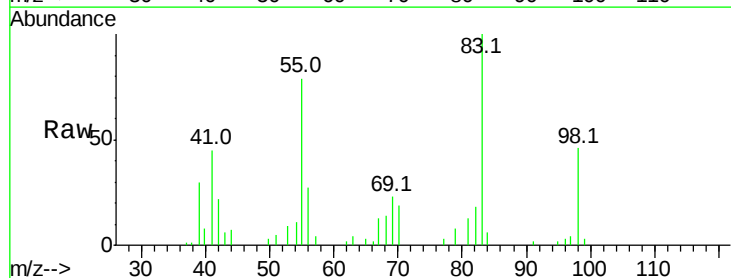


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

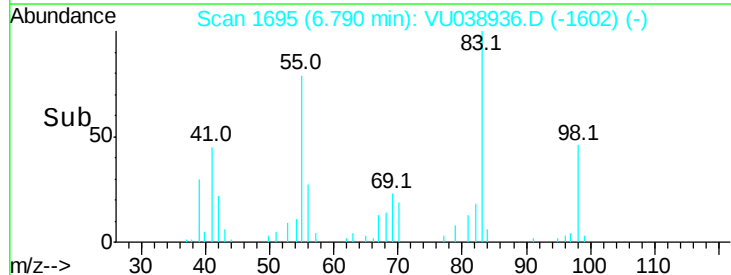
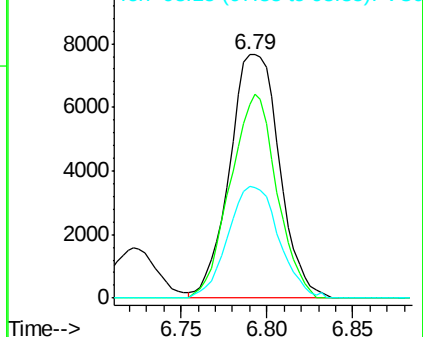


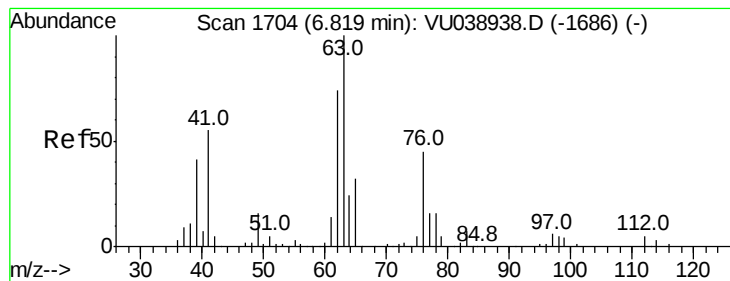
#35
 Methylcyclohexane
 Concen: 0.503 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion: 83 Resp: 15453
 Ion Ratio Lower Upper
 83 100
 55 77.9 61.8 92.8
 98 46.7 39.3 58.9



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: 0.544 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

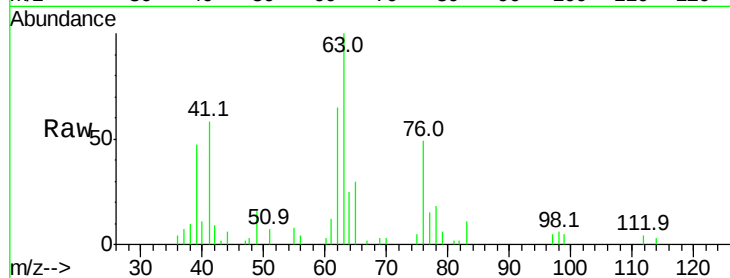
VSTD0.504

Tgt Ion: 63 Resp: 11094

Ion Ratio Lower Upper

63 100

112 3.5 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6000

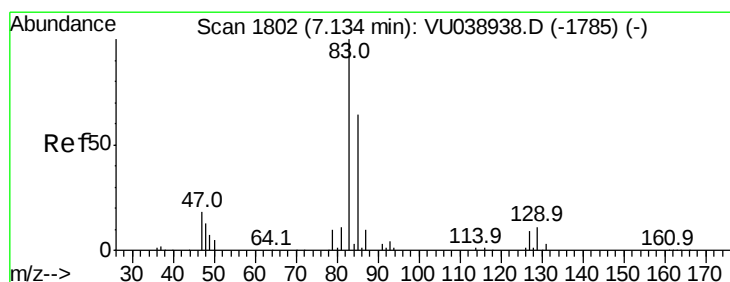
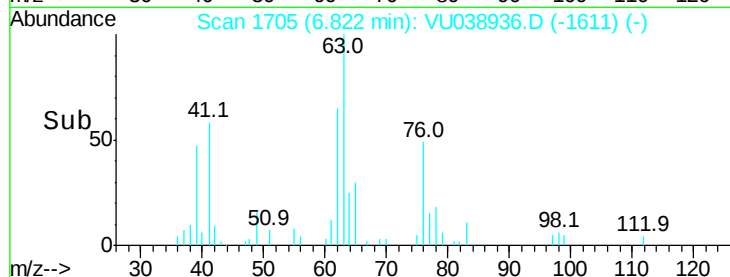
4000

2000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 0.549 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

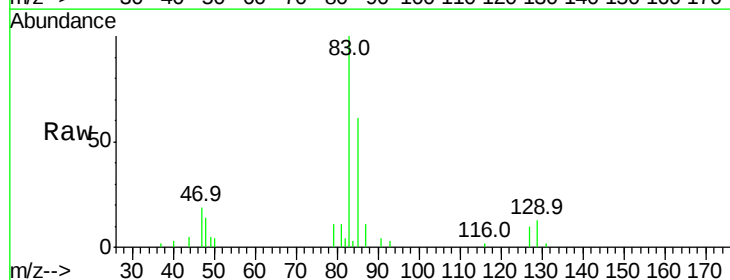
Tgt Ion: 83 Resp: 14719

Ion Ratio Lower Upper

83 100

85 61.1 45.0 83.6

127 9.8 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

10000

8000

6000

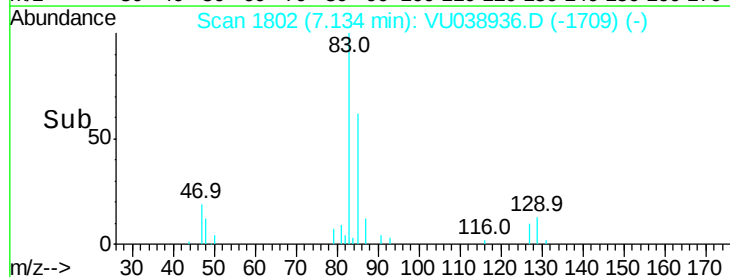
4000

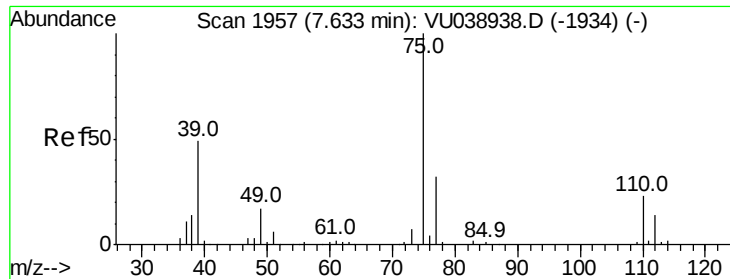
2000

0

7.10 7.15 7.20

Time-->



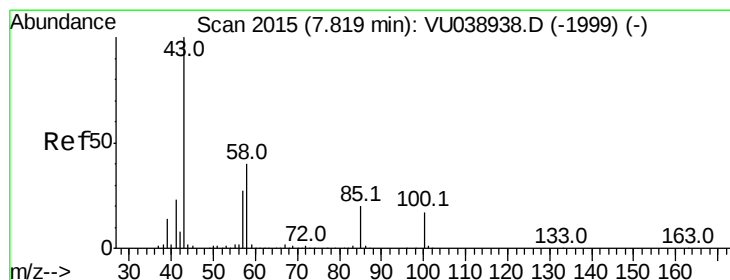
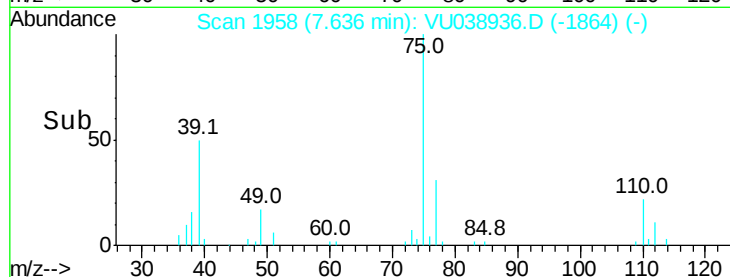
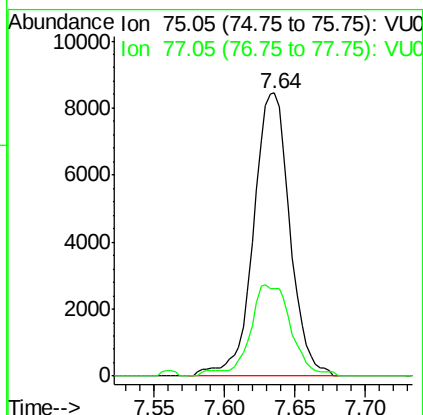
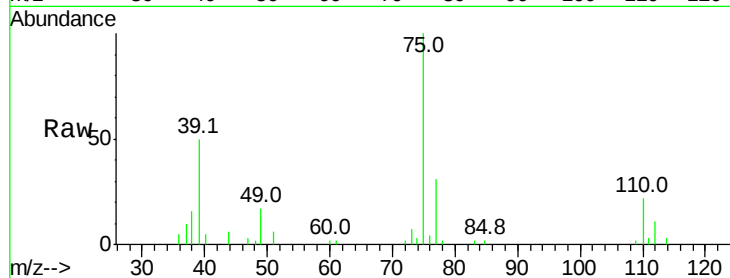


#39

cis-1,3-Dichloropropene
 Concen: 0.522 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

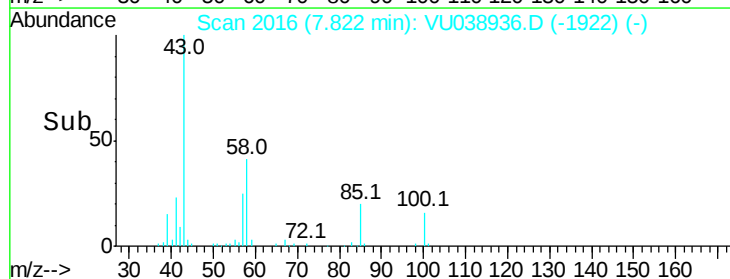
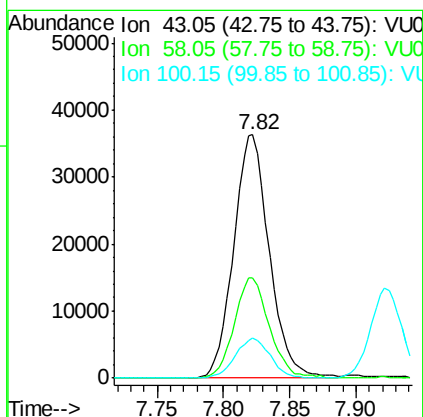
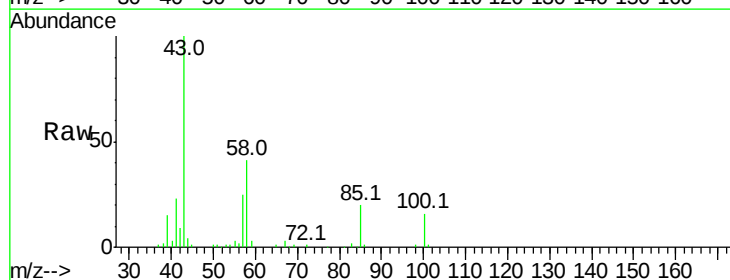
Tgt Ion: 75 Resp: 15231
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.4 41.6

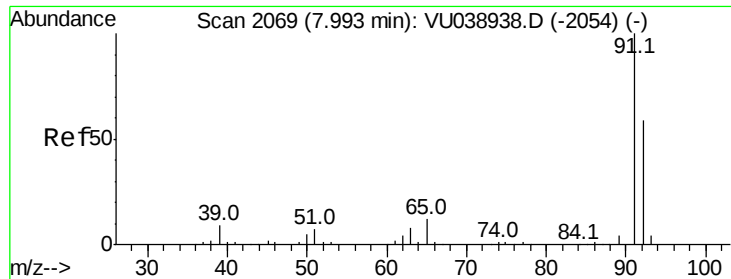


#40

4-Methyl-2-pentanone
 Concen: 4.873 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion: 43 Resp: 67763
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.6 49.0
 100 16.0 13.4 20.2





#42

Toluene

Concen: 0.486 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

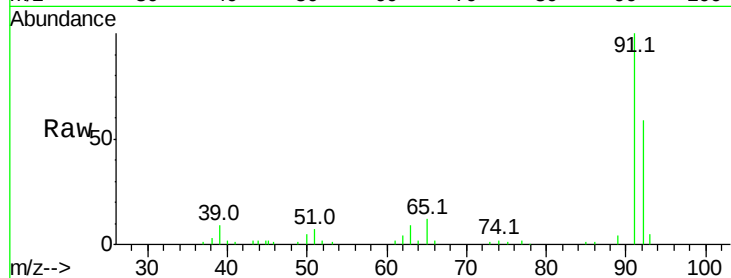
VSTD0.504

Tgt Ion: 91 Resp: 40464

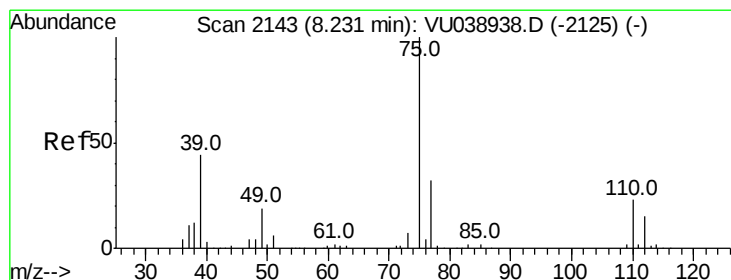
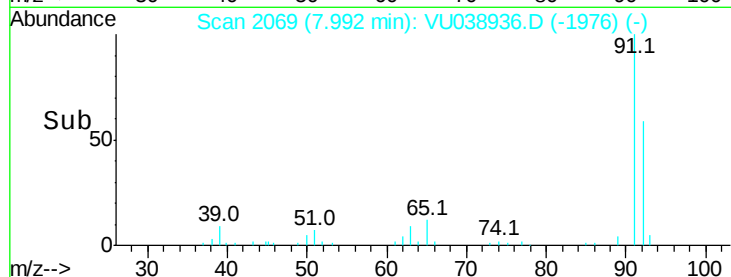
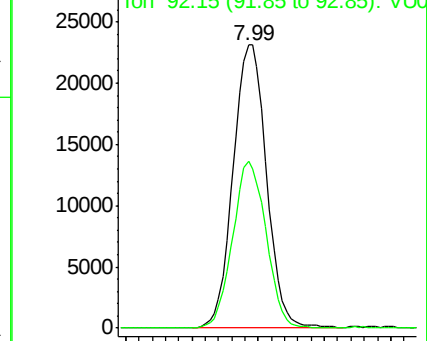
Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.2



Abundance Ion 91.15 (90.85 to 91.85): VU038936.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.510 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.01 min

Lab File: VU038936.D

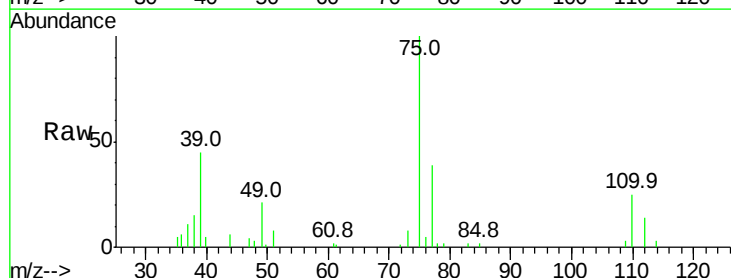
Acq: 17 Jun 2020 11:05

Tgt Ion: 75 Resp: 13598

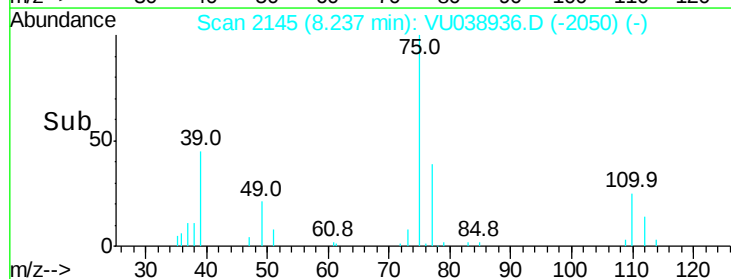
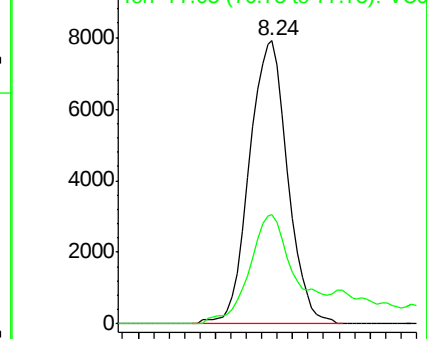
Ion Ratio Lower Upper

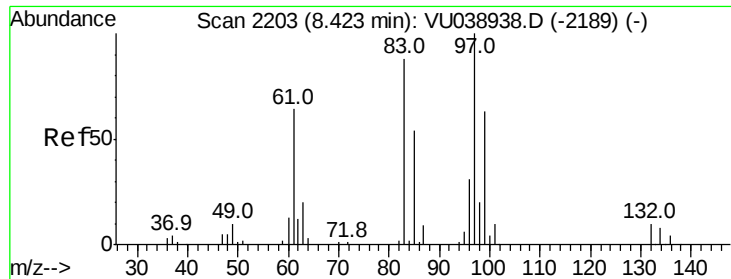
75 100

77 38.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU038936.D (-2050) (-)

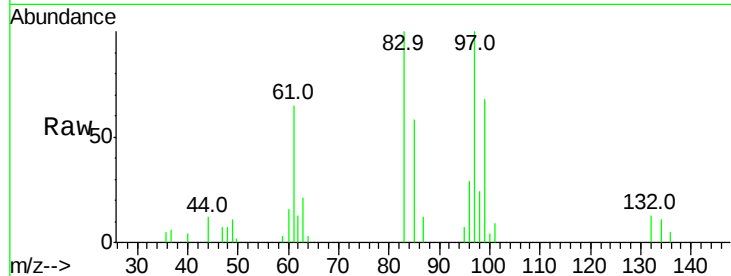




#45
 1,1,2-Trichloroethane
 Concen: 0.514 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:	97	Resp:	8016
Ion	Ratio	Lower	Upper
97	100		
99	68.2	44.1	81.9
83	99.7	61.2	113.8
85	58.0	37.7	70.1

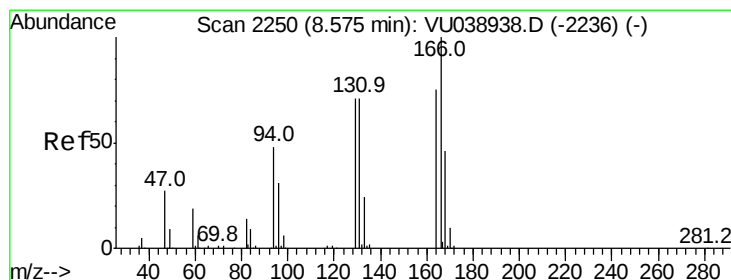
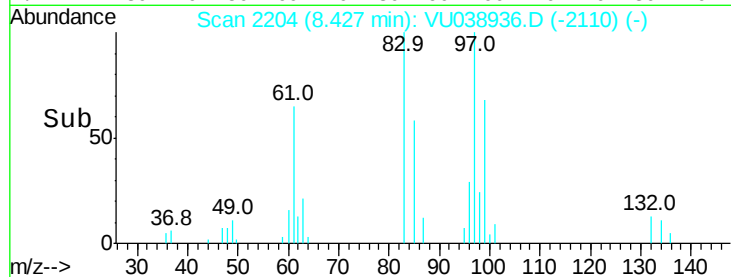
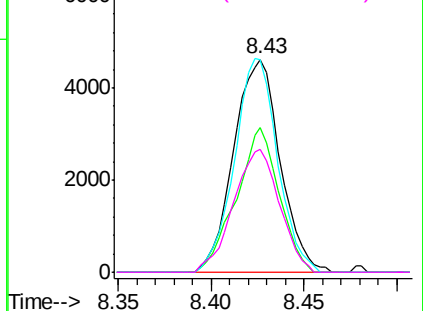


Abundance Ion 96.95 (96.65 to 97.65): VU038936.D (-2189) (-)

Ion 99.05 (98.75 to 99.75): VU038936.D (-2189) (-)

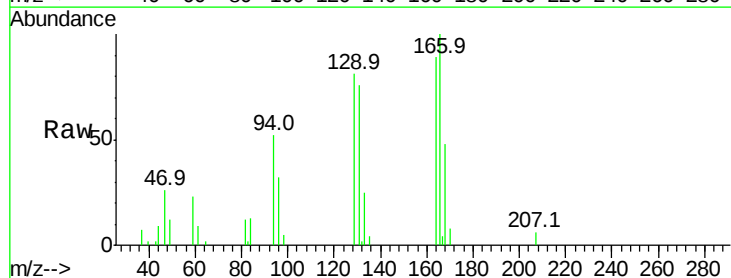
Ion 82.95 (82.65 to 83.65): VU038936.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038936.D (-2189) (-)



#47
 Tetrachloroethene
 Concen: 0.528 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion:	164	Resp:	8342
Ion	Ratio	Lower	Upper
164	100		
129	91.6	66.1	122.8
131	85.1	65.7	122.1
166	112.5	93.0	172.8

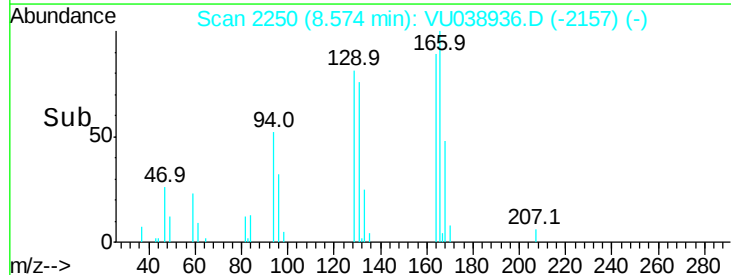
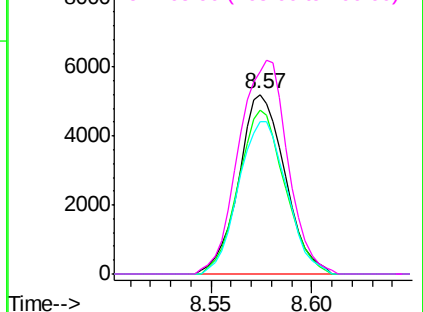


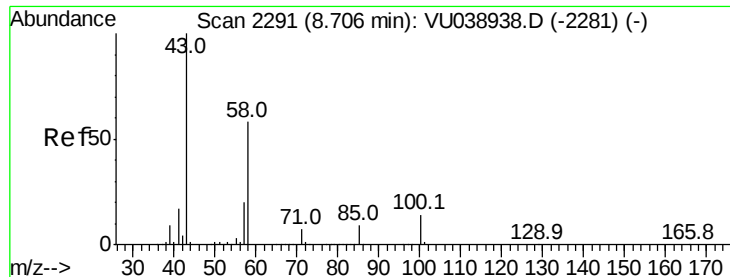
Abundance Ion 163.90 (163.60 to 164.60): VU038936.D (-2236) (-)

Ion 128.95 (128.65 to 129.65): VU038936.D (-2236) (-)

Ion 130.95 (130.65 to 131.65): VU038936.D (-2236) (-)

Ion 165.90 (165.60 to 166.60): VU038936.D (-2236) (-)

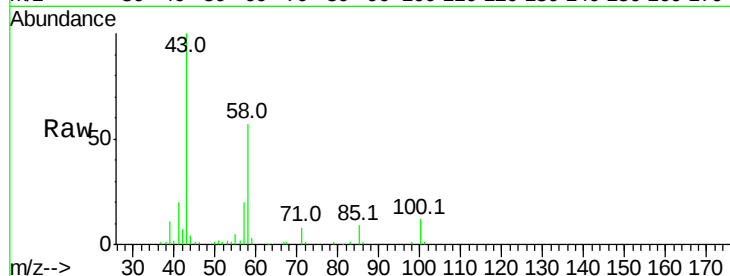




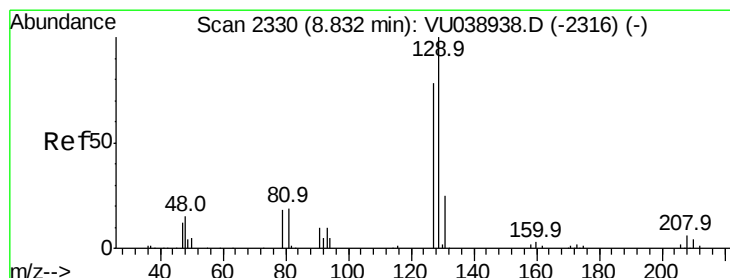
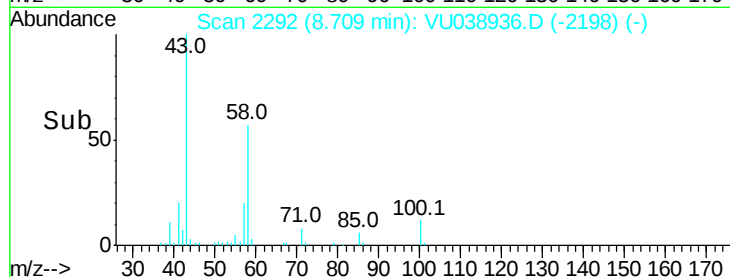
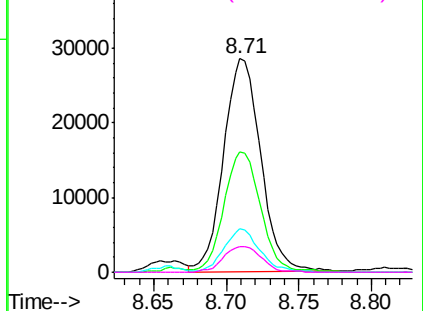
#48
2-Hexanone
Concen: 4.591 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion: 43 Resp: 50613
Ion Ratio Lower Upper
43 100
58 54.0 45.2 67.8
57 19.8 16.1 24.1
100 12.4 10.9 16.3

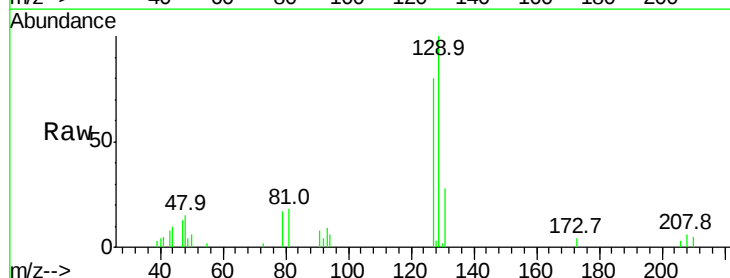


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

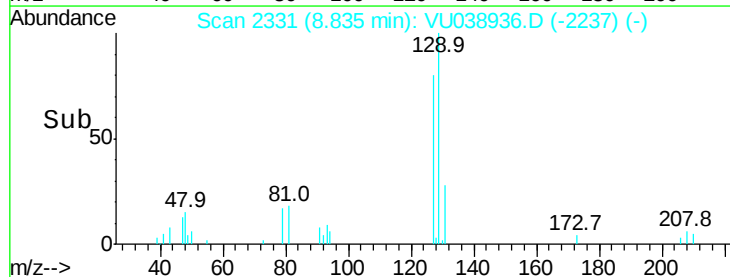
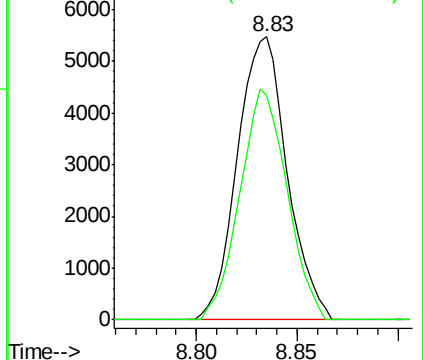


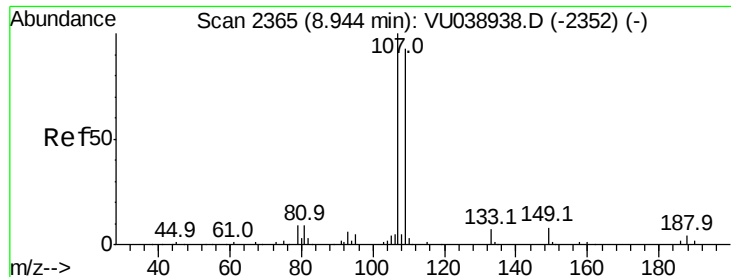
#49
Dibromochloromethane
Concen: 0.522 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion: 129 Resp: 9444
Ion Ratio Lower Upper
129 100
127 79.5 54.9 101.9



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

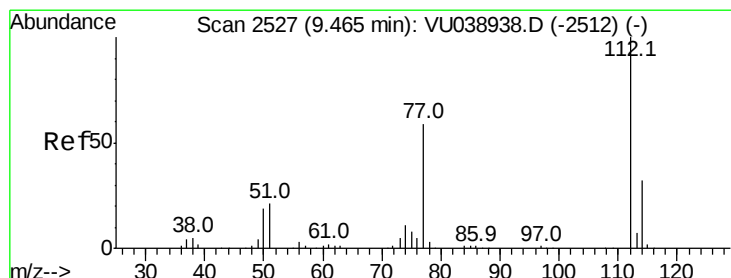
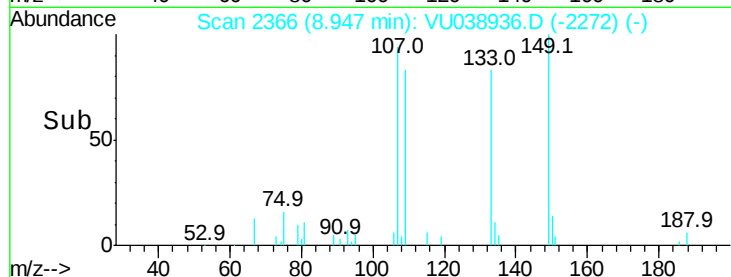
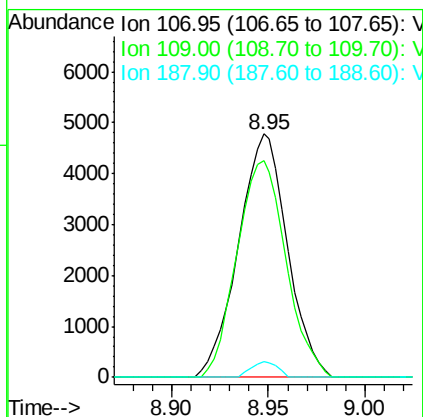
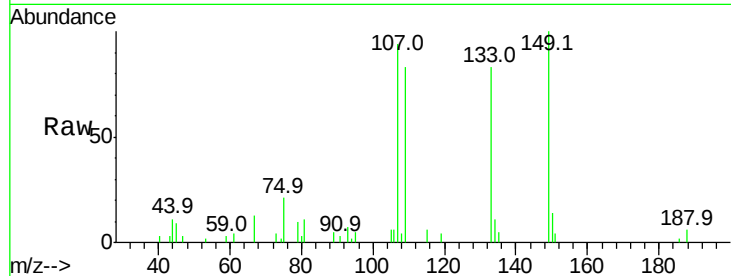




#50
1,2-Dibromoethane
Concen: 0.556 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

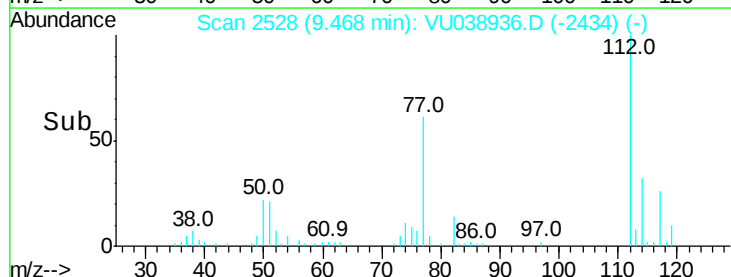
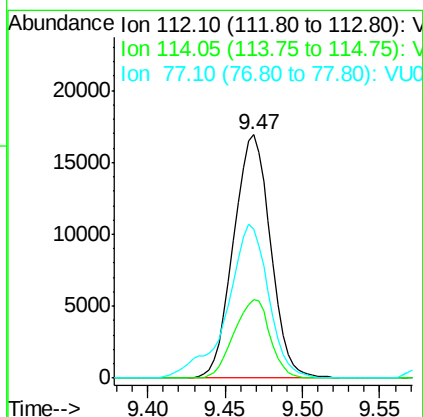
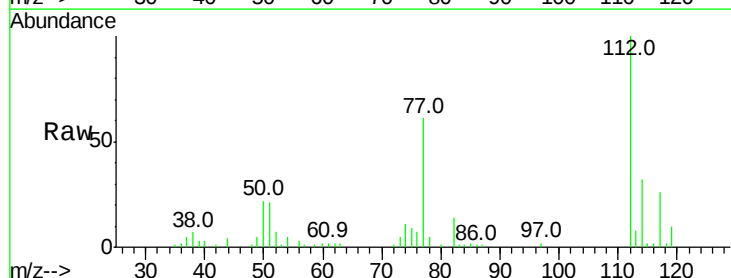
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

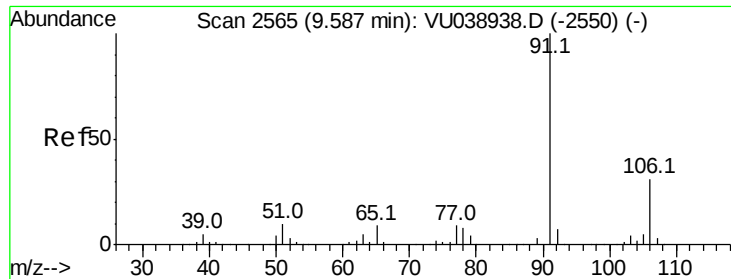
Tgt Ion:107 Resp: 8400
Ion Ratio Lower Upper
107 100
109 88.9 64.8 120.4
188 6.4 3.0 4.6#



#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion:112 Resp: 28182
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.7
77 61.3 47.2 70.8





#52

Ethylbenzene

Concen: 0.453 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

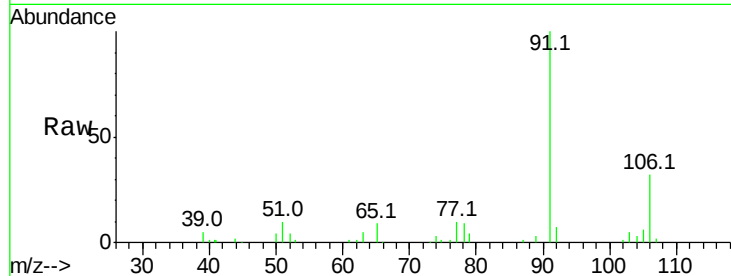
VSTD0.504

Tgt Ion: 91 Resp: 41994

Ion Ratio Lower Upper

91 100

106 32.2 21.5 39.9

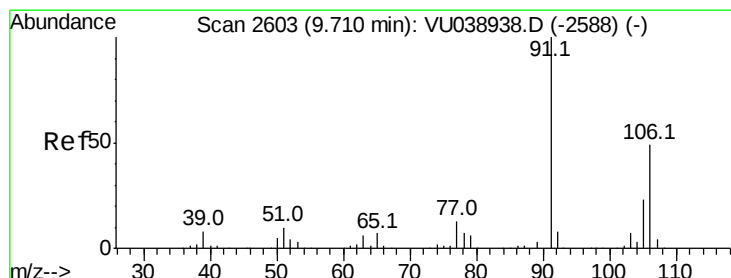
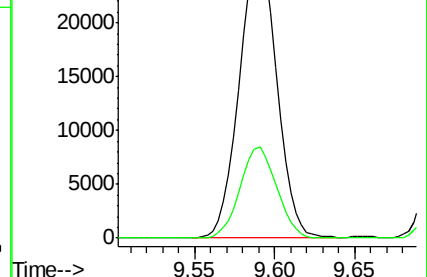
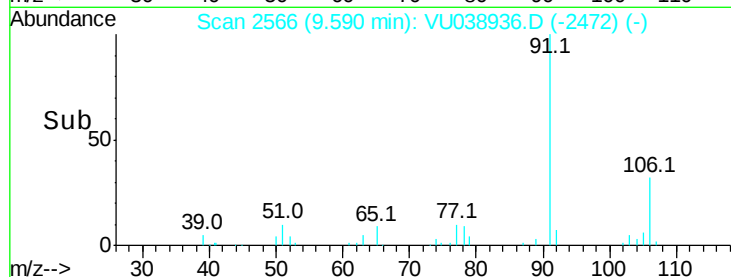


Abundance Ion 91.15 (90.85 to 91.85): VU038936.D (-2550) (-)

Ion 106.15 (105.85 to 106.85): VU038936.D (-2550) (-)

9.59

Time-->



#53

m,p-Xylene

Concen: 0.462 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038936.D

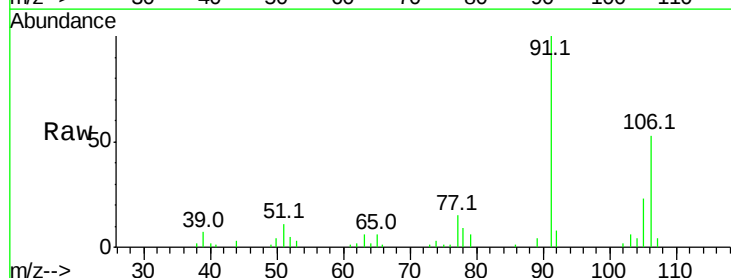
Acq: 17 Jun 2020 11:05

Tgt Ion: 106 Resp: 16079

Ion Ratio Lower Upper

106 100

91 188.2 143.0 265.6

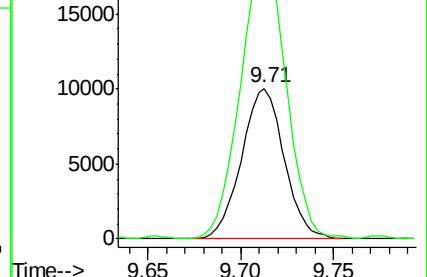
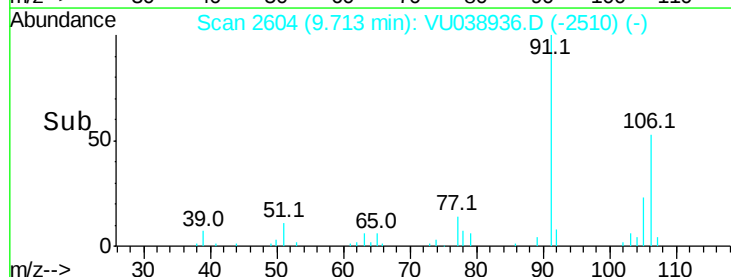


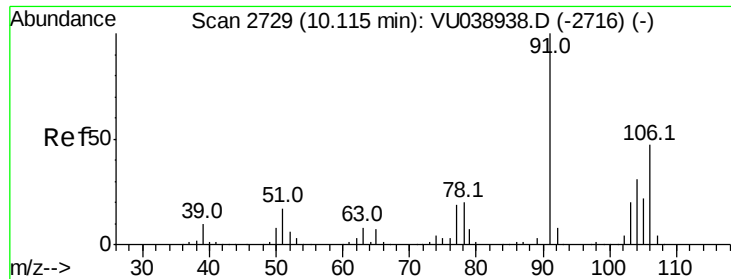
Abundance Ion 106.15 (105.85 to 106.85): VU038936.D (-2510) (-)

Ion 91.15 (90.85 to 91.85): VU038936.D (-2510) (-)

9.71

Time-->

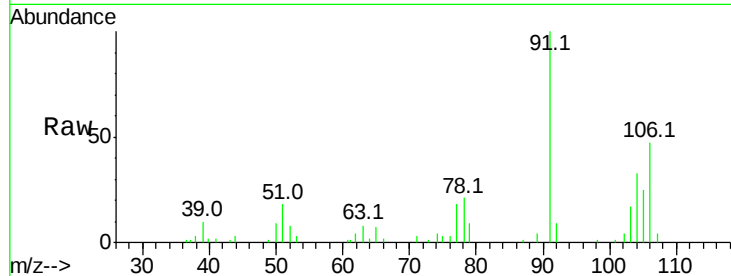




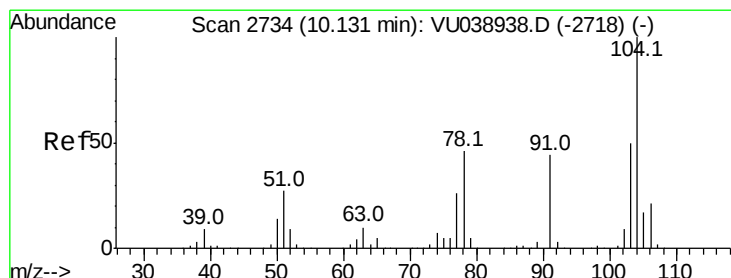
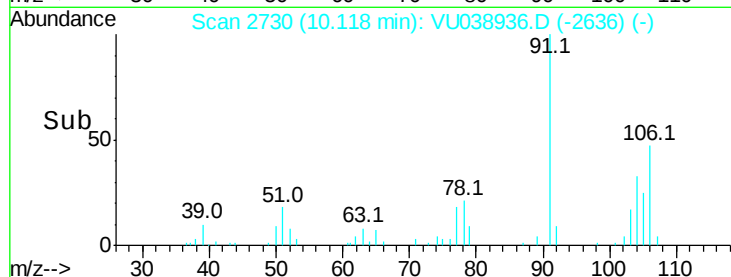
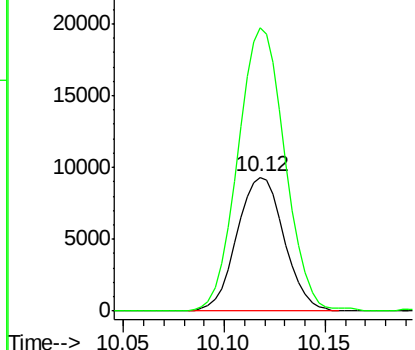
#54
o-Xylene
Concen: 0.456 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion:106 Resp: 15265
Ion Ratio Lower Upper
106 100
91 211.2 148.4 275.6

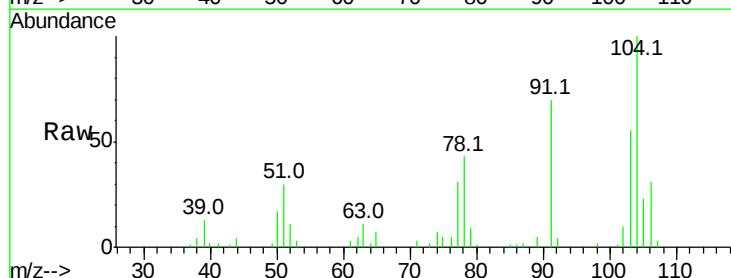


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

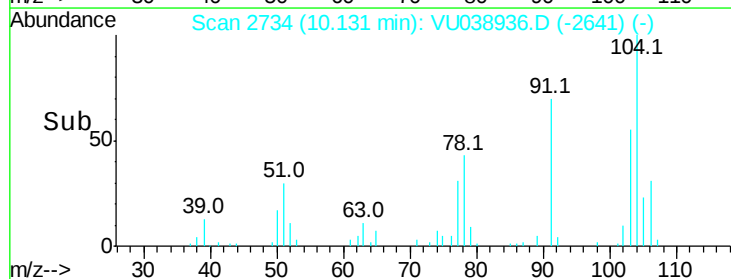
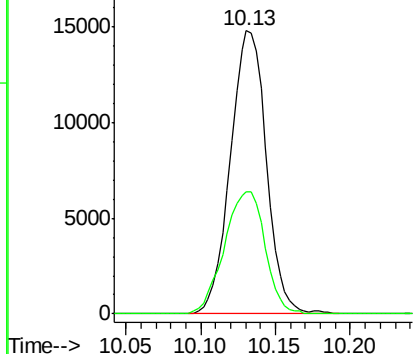


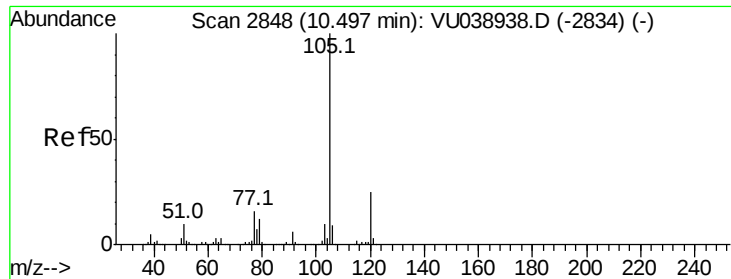
#55
Styrene
Concen: 0.427 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038936.D
Acq: 17 Jun 2020 11:05

Tgt Ion:104 Resp: 24845
Ion Ratio Lower Upper
104 100
78 43.3 32.0 59.4



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





#56

Isopropylbenzene

Concen: 0.467 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

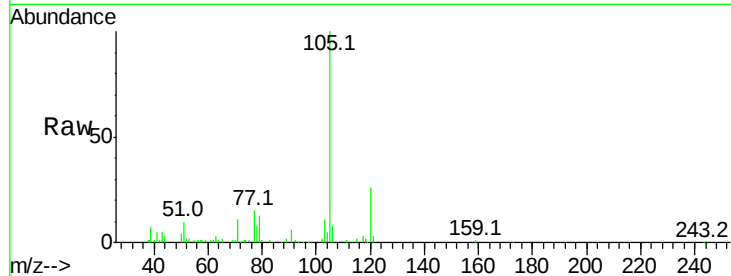
Tgt Ion:105 Resp: 40638

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

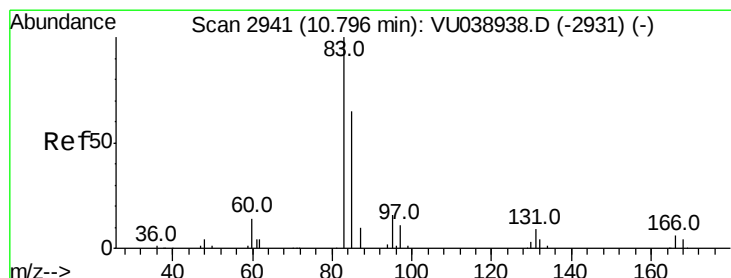
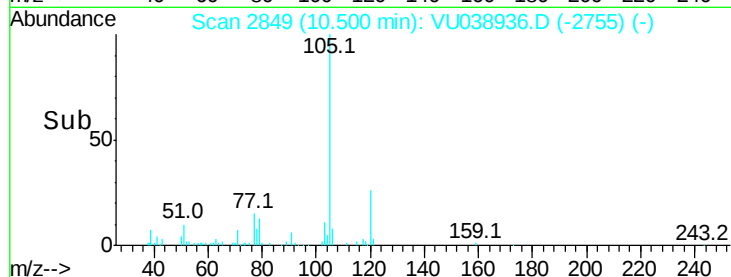
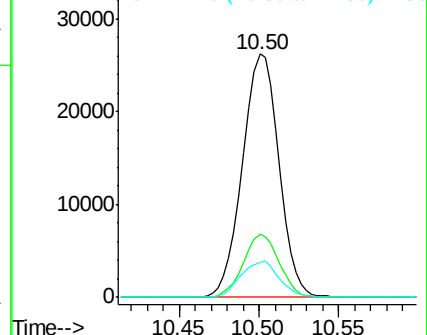
77 15.6 13.0 19.6



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: 0.587 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

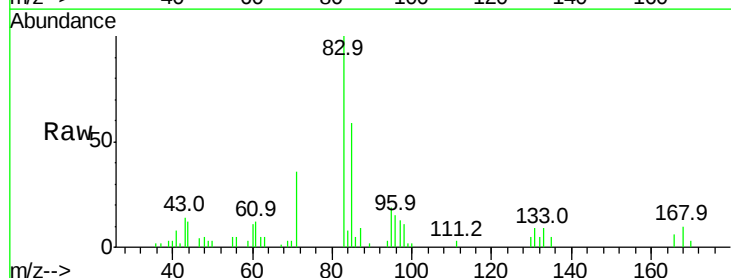
Tgt Ion: 83 Resp: 11724

Ion Ratio Lower Upper

83 100

85 58.7 45.4 84.4

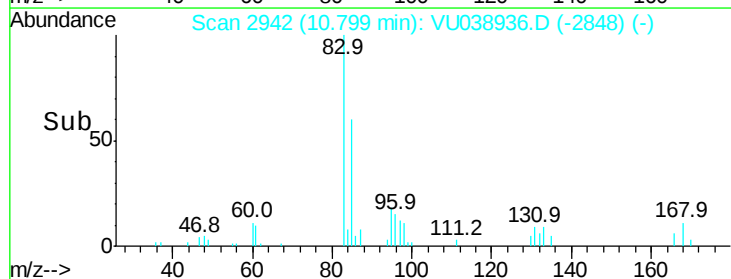
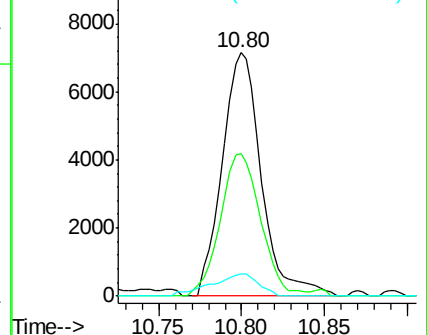
131 9.1 8.2 12.4

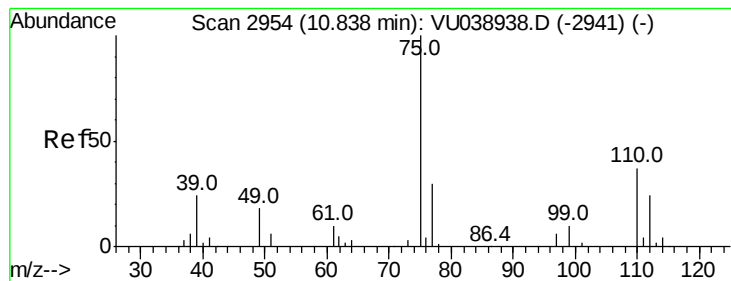


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.539 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

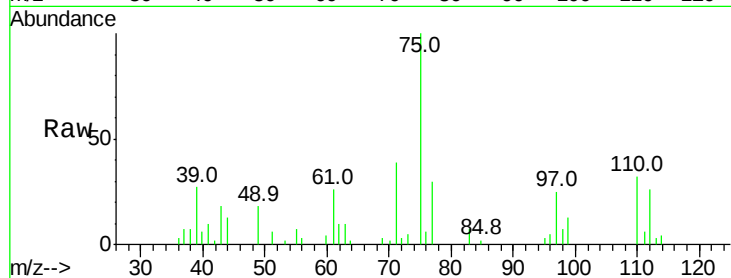
VSTD0.504

Tgt Ion: 75 Resp: 8473

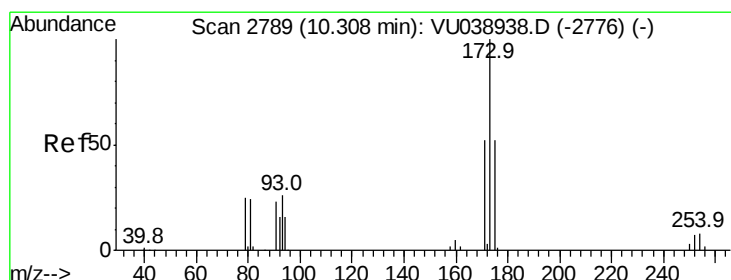
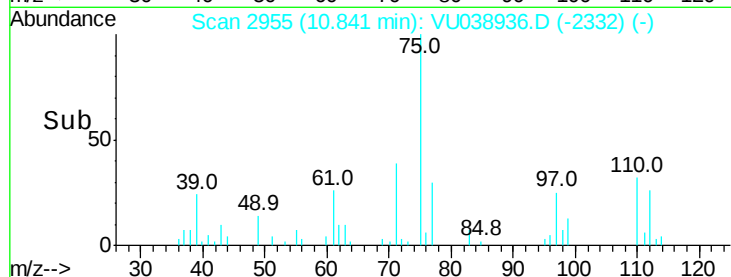
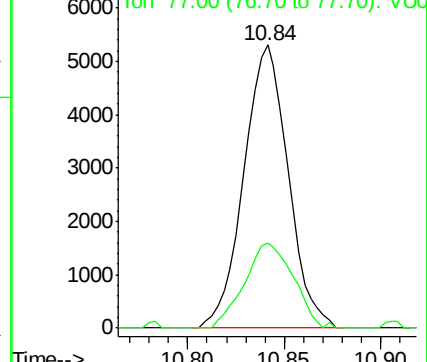
Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038938.D (-2941) (-)



#61

Bromoform

Concen: 0.618 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

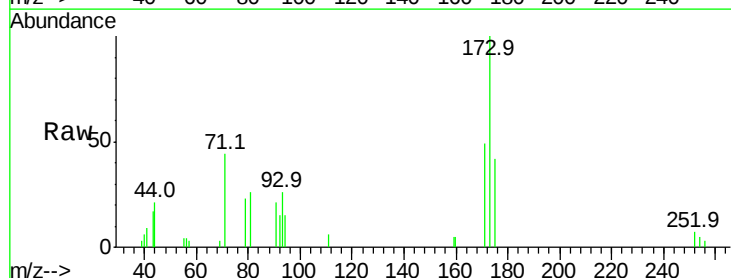
Tgt Ion: 173 Resp: 6323

Ion Ratio Lower Upper

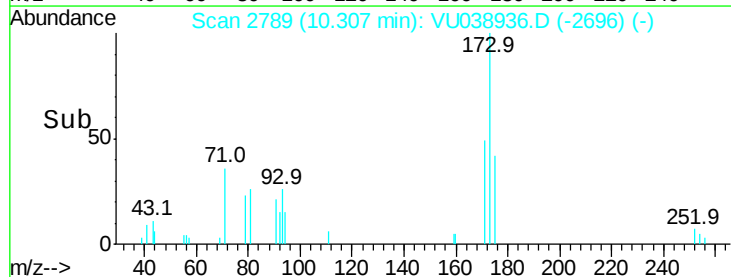
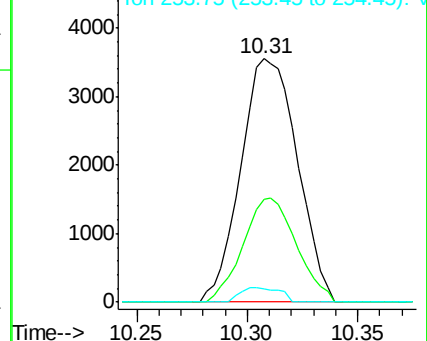
173 100

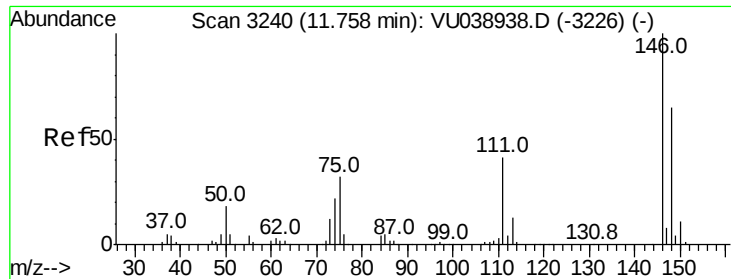
175 40.4 39.2 58.8

254 4.2 6.1 9.1#



Abundance Ion 172.90 (172.60 to 173.60): VU038938.D (-2776) (-)

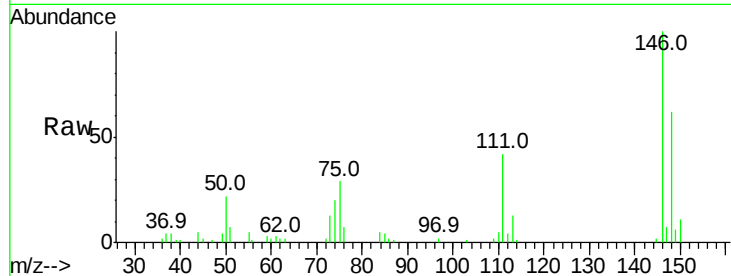




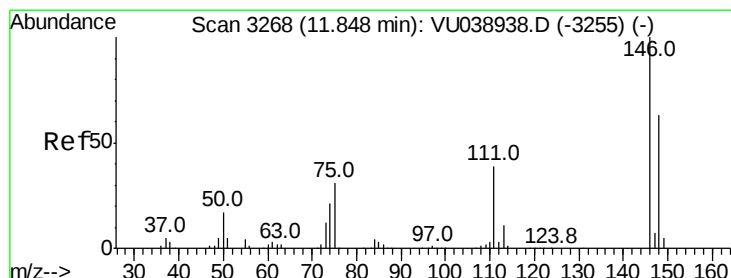
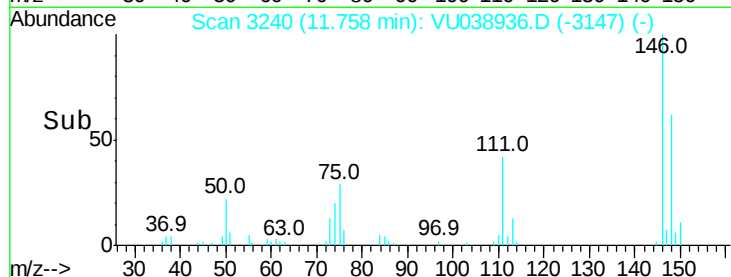
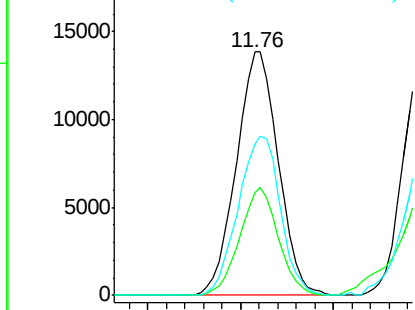
#62
 1,3-Dichlorobenzene
 Concen: 0.515 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:146 Resp: 21797
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.0 53.8
 148 62.2 45.1 83.9

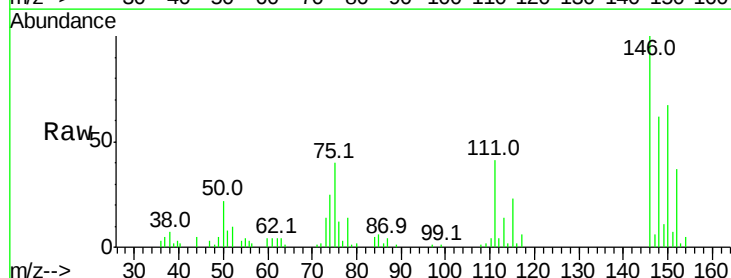


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

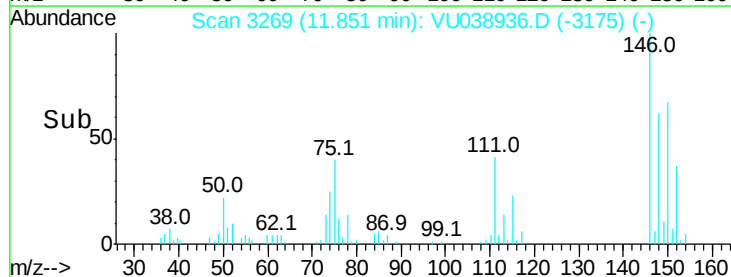
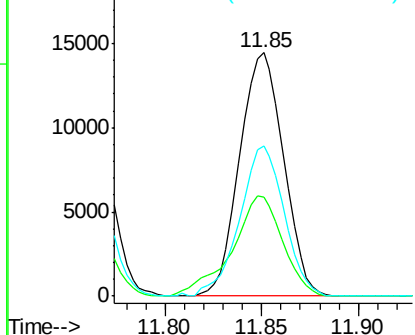


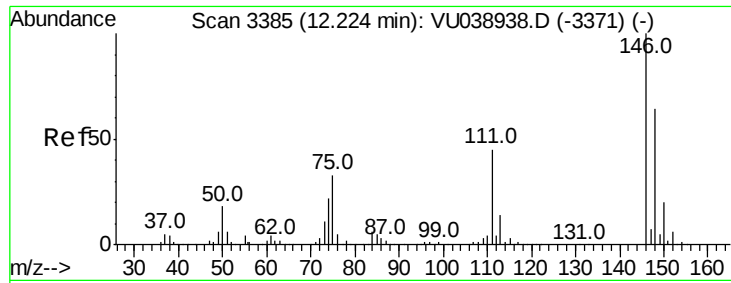
#63
 1,4-Dichlorobenzene
 Concen: 0.534 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion:146 Resp: 22886
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.2 50.6
 148 61.9 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: 0.562 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

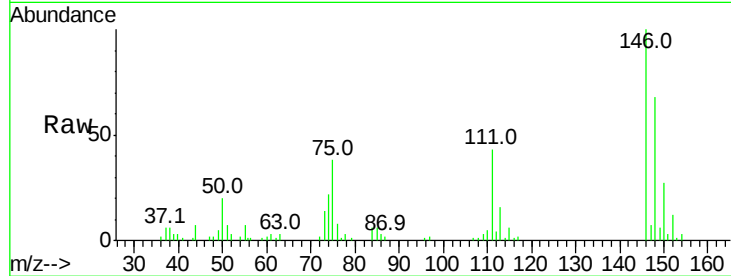
Tgt Ion:146 Resp: 23643

Ion Ratio Lower Upper

146 100

111 42.6 35.7 53.5

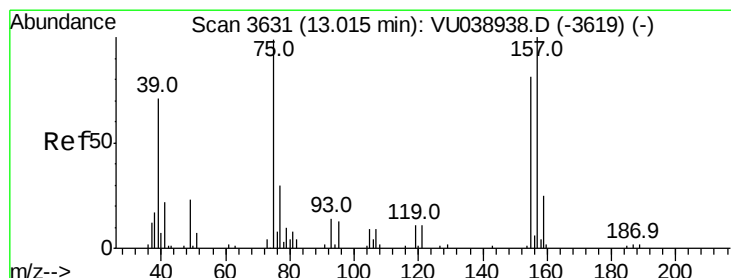
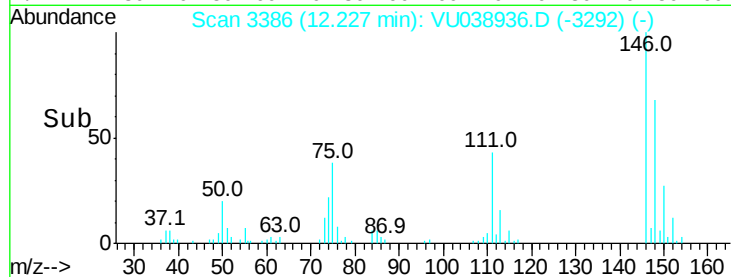
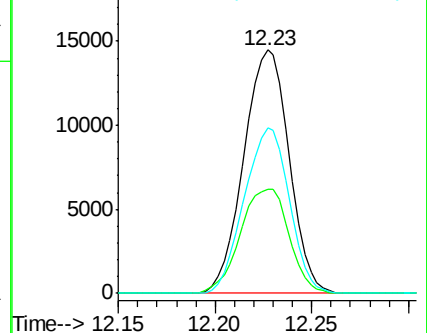
148 67.9 51.6 77.4



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: 0.738 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

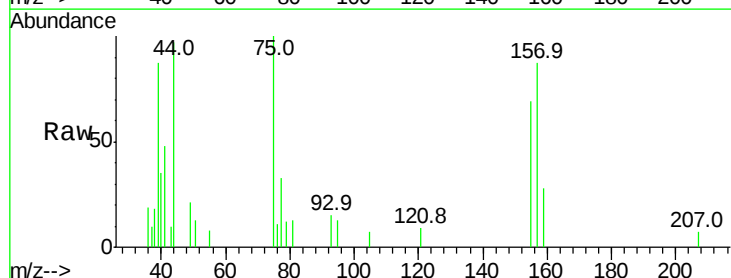
Tgt Ion: 75 Resp: 2747

Ion Ratio Lower Upper

75 100

155 69.2 65.4 98.2

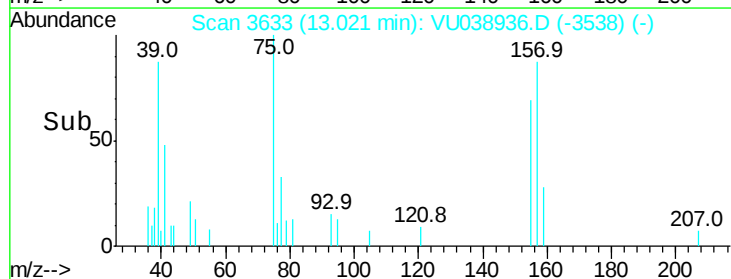
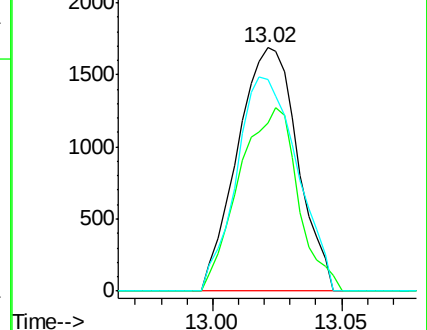
157 86.7 80.6 120.8

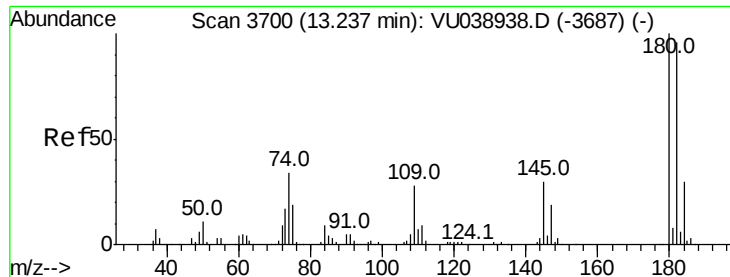


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

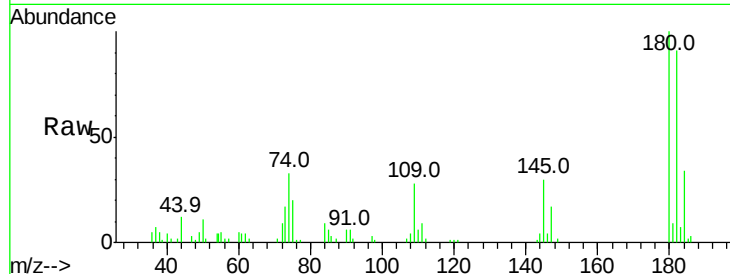




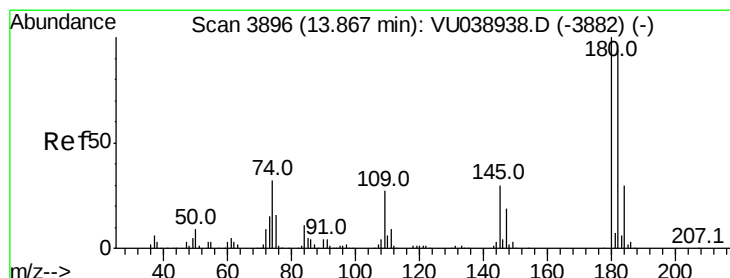
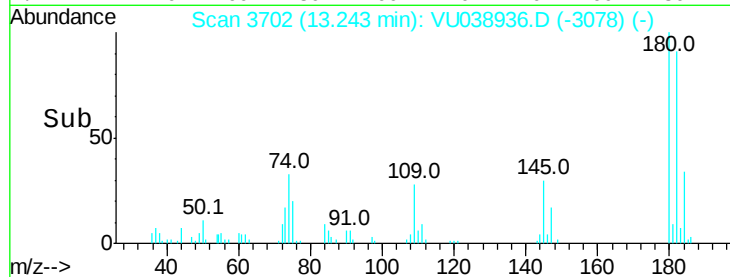
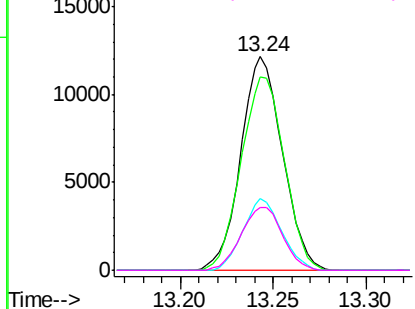
#67
 1,3,5-Trichlorobenzene
 Concen: 0.594 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:	180	Resp:	18947
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.3	114.5
184	30.9	24.0	36.0
145	29.4	24.6	36.8

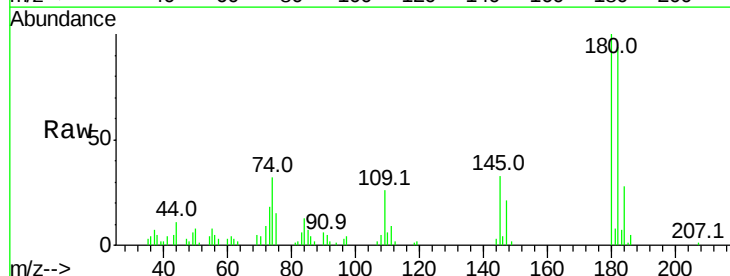


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

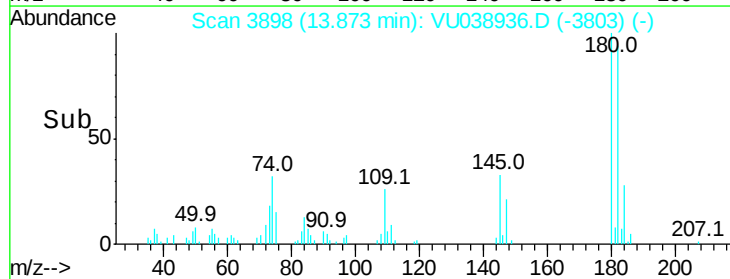
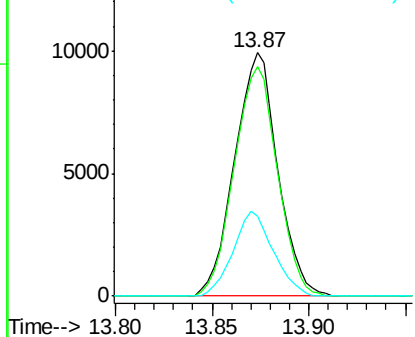


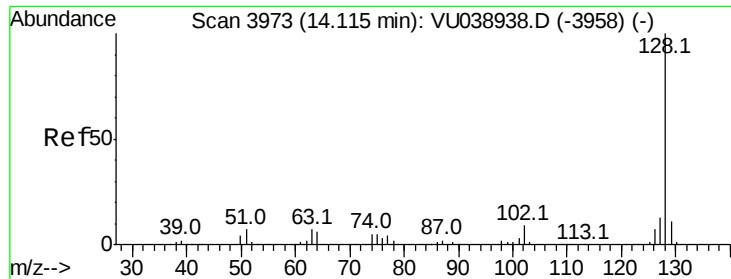
#68
 1,2,4-trichlorobenzene
 Concen: 0.576 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038936.D
 Acq: 17 Jun 2020 11:05

Tgt Ion:	180	Resp:	15377
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	32.4	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: 0.572 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

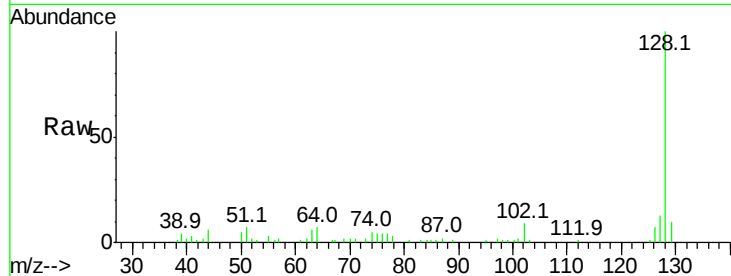
Tgt Ion:128 Resp: 28739

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

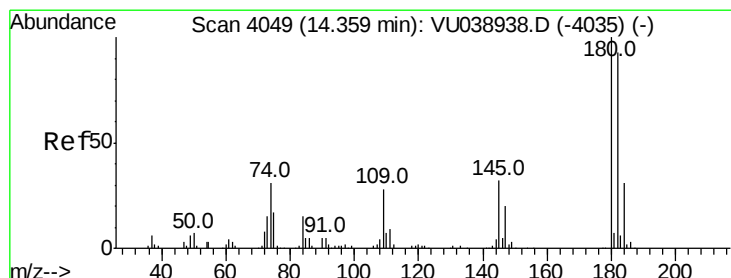
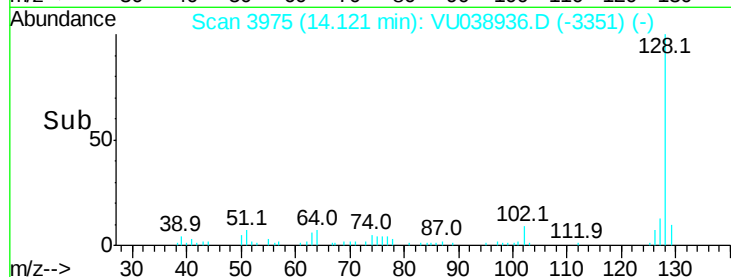
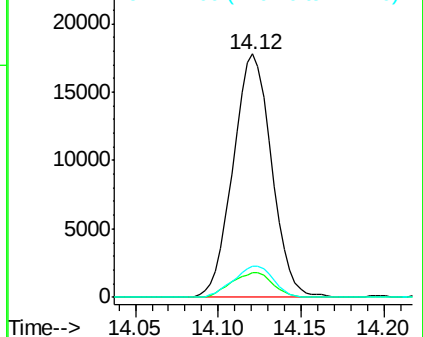
127 13.1 10.6 16.0



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: 0.593 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038936.D

Acq: 17 Jun 2020 11:05

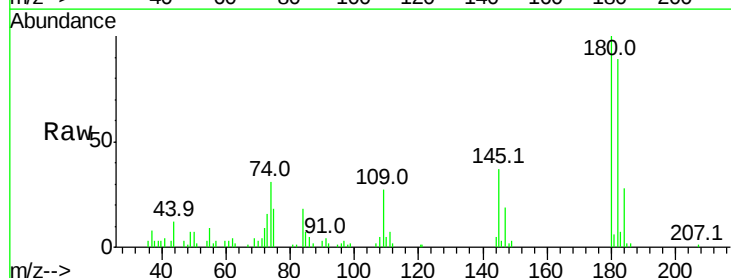
Tgt Ion:180 Resp: 14806

Ion Ratio Lower Upper

180 100

182 94.1 75.5 113.3

145 36.1 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

