

Data File : VU036649.D
Acq On : 31 Jan 2020 17:59
Operator : JC/MD
Sample : VSTD00536
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Jan 31 23:47:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 23:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	357964	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	326074	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141459	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14606	5.13	ug/L	0.00
7) Chloroethane-d5	1.93	69	12952	5.42	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.59	63	23233	5.11	ug/L	0.00
21) 2-Butanone-d5	4.68	46	21151	12.89	ug/L	0.00
24) Chloroform-d	5.11	84	22467	4.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	15065	5.33	ug/L	0.00
32) Benzene-d6	5.77	84	47379	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	16286	5.49	ug/L	0.00
41) Toluene-d8	7.93	98	43910	4.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	7637	5.41	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	16393	11.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	21379	4.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	14555	4.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	12222	4.358 ug/L	99
3) Chloromethane	1.54	50	15992	5.264 ug/L	99
5) Vinyl chloride	1.62	62	15839	4.911 ug/L	# 74
6) Bromomethane	1.87	94	8643	4.644 ug/L	96
8) Chloroethane	1.95	64	9981	5.197 ug/L	89
9) Trichlorofluoromethane	2.16	101	16968	4.536 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9748	4.260 ug/L	99
12) 1,1-Dichloroethene	2.61	96	9948	4.391 ug/L	93
13) Acetone	2.66	43	18505	11.740 ug/L	98
14) Carbon disulfide	2.82	76	31210	4.563 ug/L	99
15) Methyl Acetate	2.99	43	14571	5.733 ug/L	99
16) Methylene chloride	3.08	84	13797	5.029 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	10647	4.405 ug/L	91
18) Methyl tert-butyl Ether	3.41	73	36805	4.660 ug/L	99
19) 1,1-Dichloroethane	3.91	63	20995	4.756 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	12384	4.505 ug/L	93
22) 2-Butanone	4.76	43	22063	11.387 ug/L	97
23) Bromochloromethane	5.02	128	5544	3.969 ug/L	95
25) Chloroform	5.13	83	20696	4.628 ug/L	100
27) 1,2-Dichloroethane	5.84	62	16918	4.973 ug/L	97
29) Cyclohexane	5.43	56	20009	5.059 ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	16056	4.557 ug/L	99
31) Carbon tetrachloride	5.57	117	12938	4.329 ug/L	98
33) Benzene	5.82	78	46713	4.657 ug/L	100
34) Trichloroethene	6.58	95	11331	4.432 ug/L	94
35) Methylcyclohexane	6.80	83	19420	4.515 ug/L	100
37) 1,2-Dichloropropane	6.83	63	12492	4.853 ug/L	99
38) Bromodichloromethane	7.14	83	14890	4.650 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	18916	4.583 ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	37585	10.993 ug/L	99

Data File : VU036649.D
Acq On : 31 Jan 2020 17:59
Operator : JC/MD
Sample : VSTD00536
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Jan 31 23:47:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 23:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	49503	4.564	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	17059	4.713	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	11422	4.531	ug/L	95
46) Tetrachloroethene	8.58	164	8707	4.314	ug/L	98
48) 2-Hexanone	8.72	43	29009	11.292	ug/L	98
49) Dibromochloromethane	8.84	129	10696	4.066	ug/L	98
50) 1,2-Dibromoethane	8.95	107	11643	4.316	ug/L	93
51) Chlorobenzene	9.48	112	29202	4.206	ug/L	96
52) Ethylbenzene	9.60	91	53329	4.478	ug/L	100
53) m,p-Xylene	9.72	106	19287	4.200	ug/L	98
54) o-xylene	10.12	106	19619	4.284	ug/L	100
55) Styrene	10.14	104	32577	4.354	ug/L	97
56) Isopropylbenzene	10.51	105	49648	4.249	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	19540	4.460	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	16871	4.883	ug/L	98
61) Bromoform	10.32	173	7548	4.020	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	20847	4.307	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	20801	4.360	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	21012	4.285	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	4367	5.348	ug/L	96
67) 1,3,5-Trichlorobenzene	13.23	180	13634	4.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	10873	4.519	ug/L	99
69) Naphthalene	14.10	128	44176	5.904	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	12031	4.840	ug/L	99

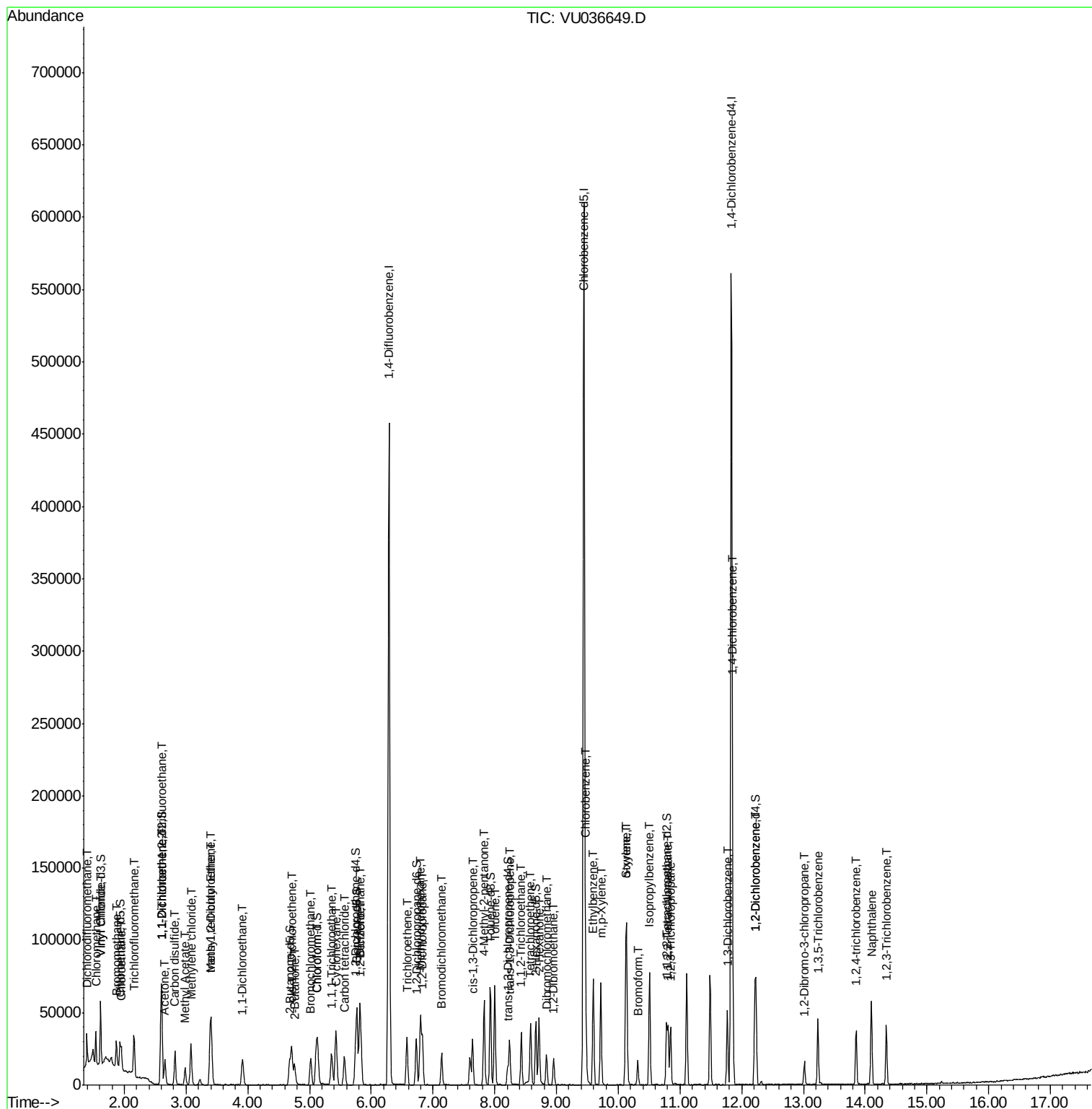
(#) = qualifier out of range (m) = manual integration (+) = signals summed

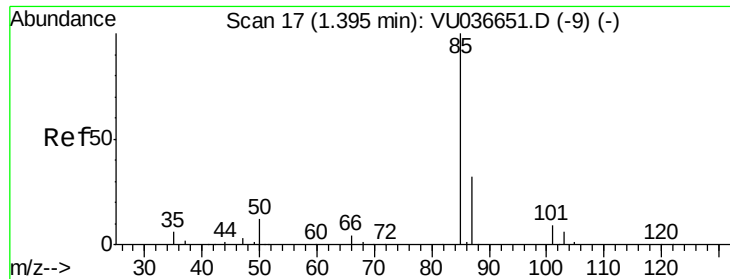
Data File : VU036649.D

```
Acq On       : 31 Jan 2020   17:59
Operator    : JC/MD
Sample      : VSTD00536
Misc       : 5.0mL/MSV0A_U/WATER
ALS Vial    : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Jan 31 23:47:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 23:45:14 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.358 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

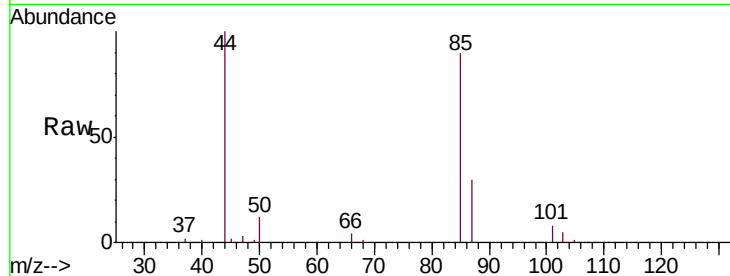
VSTD00536

Tgt Ion: 85 Resp: 12222

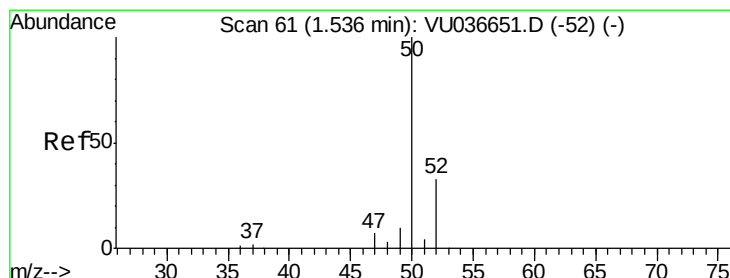
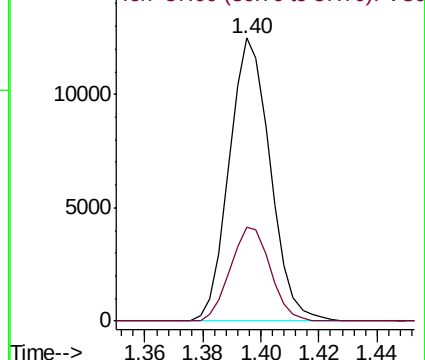
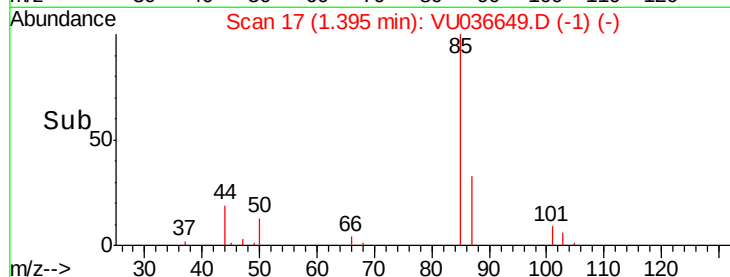
Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036649.D (-1) (-)



#3

Chloromethane

Concen: 5.264 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036649.D

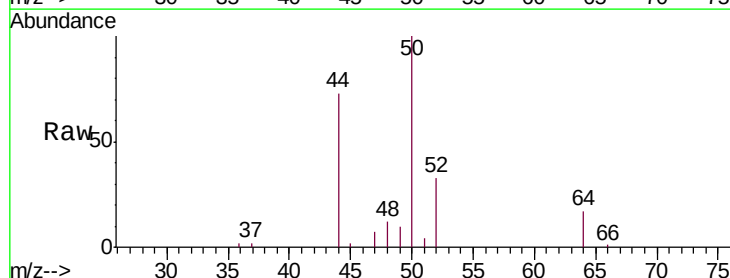
Acq: 31 Jan 2020 17:59

Tgt Ion: 50 Resp: 15992

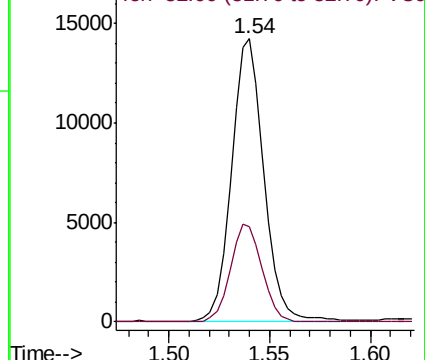
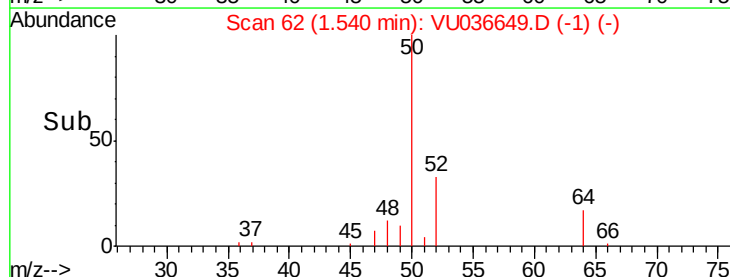
Ion Ratio Lower Upper

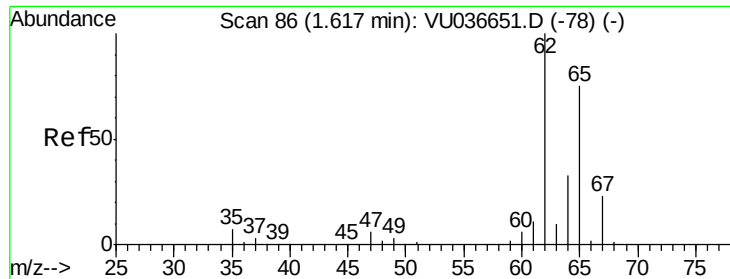
50 100

52 33.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036649.D (-1) (-)





#5

Vinyl chloride

Concen: 4.911 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

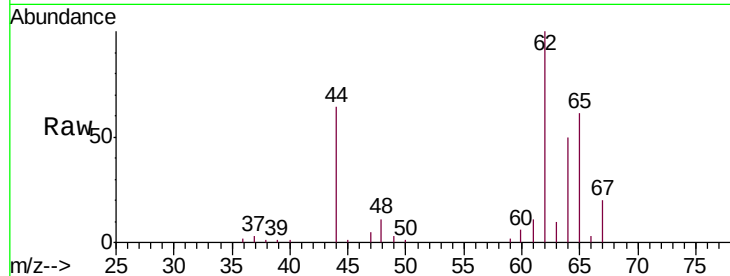
VSTD00536

Tgt Ion: 62 Resp: 15839

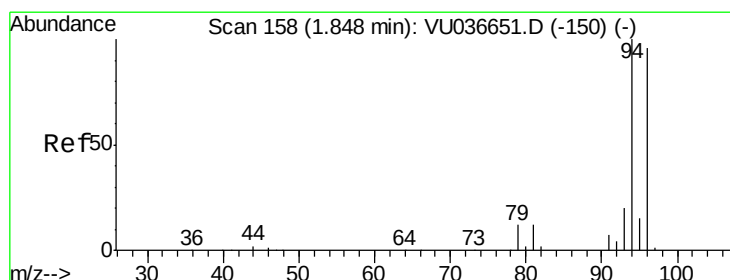
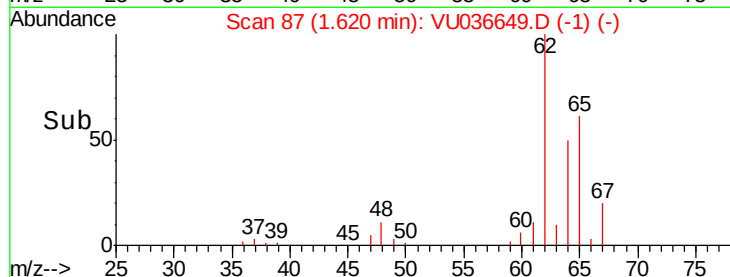
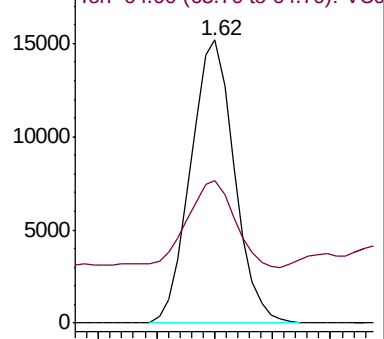
Ion Ratio Lower Upper

62 100

64 50.4 24.7 45.9#



Abundance Ion 62.00 (61.70 to 62.70): VU036649.D (-1) (-)



#6

Bromomethane

Concen: 4.644 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU036649.D

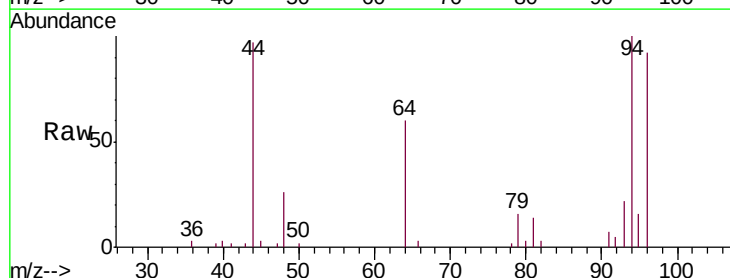
Acq: 31 Jan 2020 17:59

Tgt Ion: 94 Resp: 8643

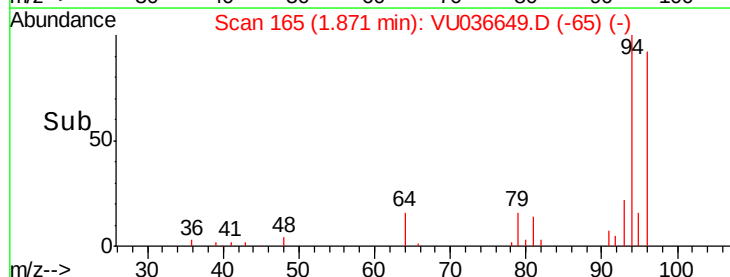
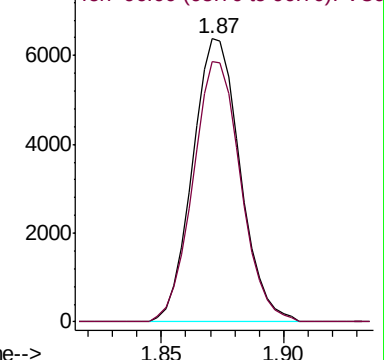
Ion Ratio Lower Upper

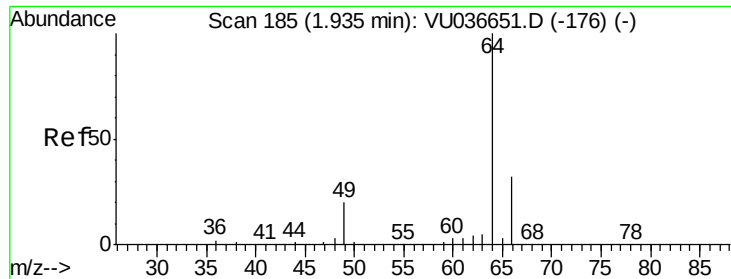
94 100

96 91.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036649.D (-65) (-)

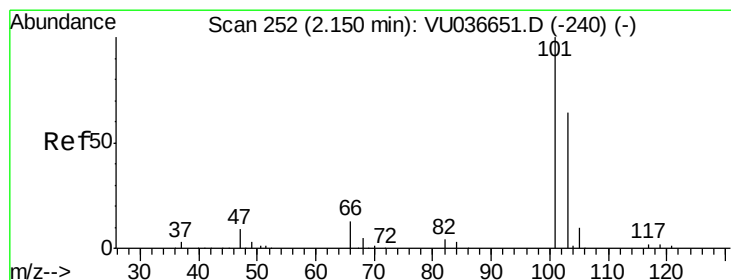
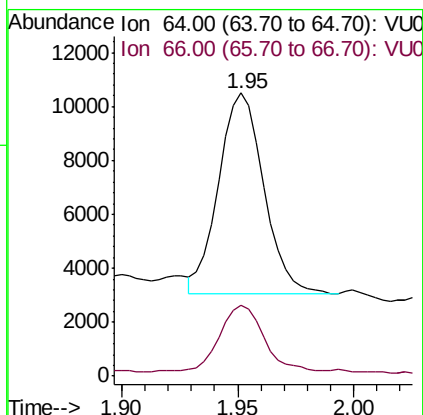
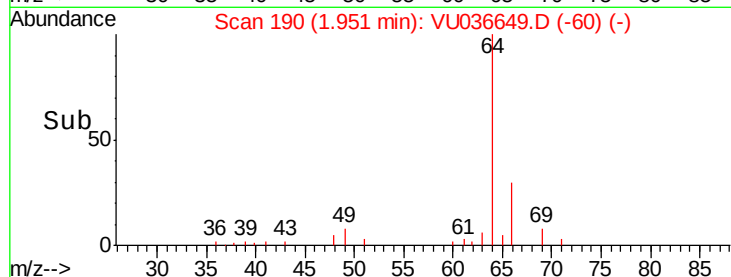
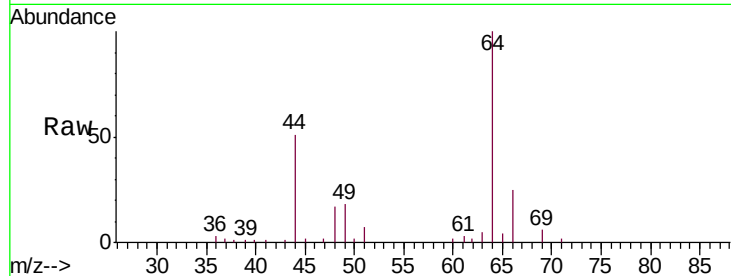




#8
Chloroethane
Concen: 5.197 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.02 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

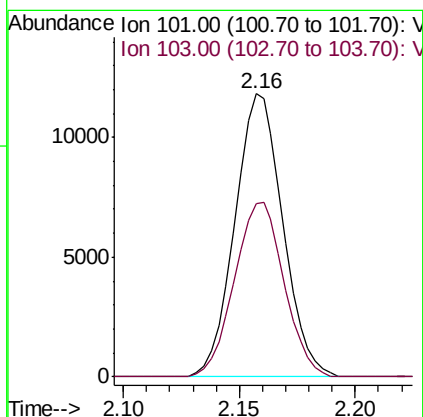
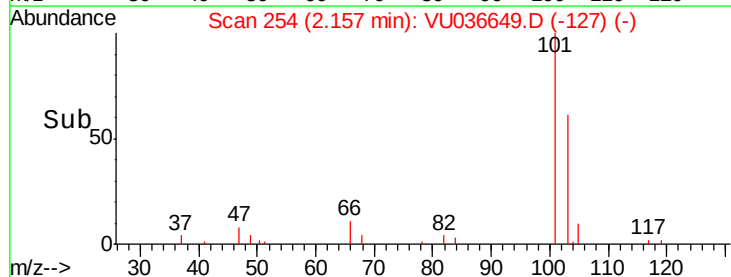
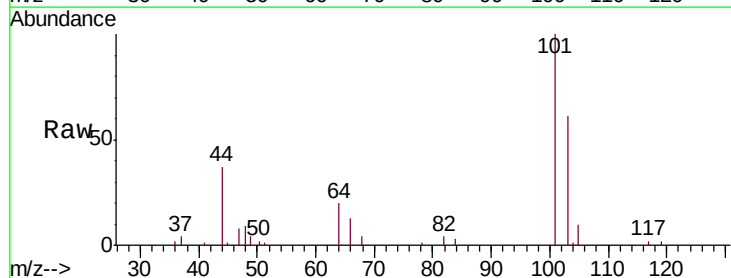
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

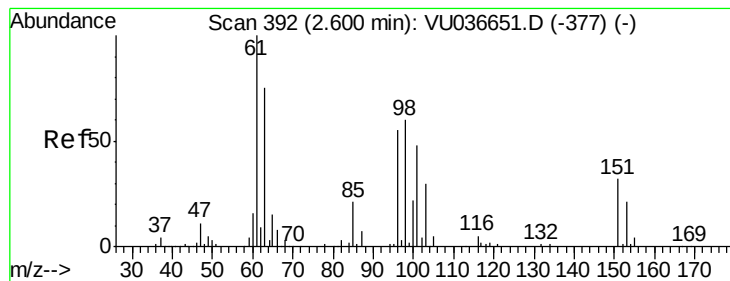
Tgt Ion: 64 Resp: 9981
Ion Ratio Lower Upper
64 100
66 25.0 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.536 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.01 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion: 101 Resp: 16968
Ion Ratio Lower Upper
101 100
103 63.7 51.6 77.4





#10

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

Concen: 4.260 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

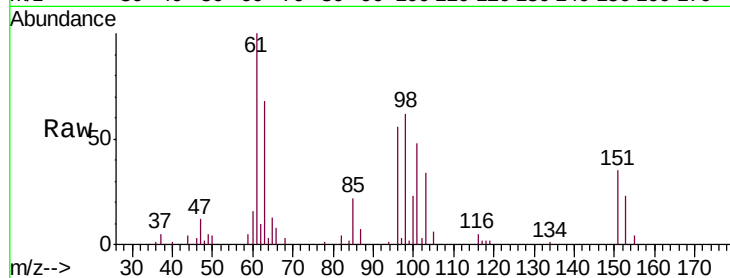
Tgt Ion:101 Resp: 9748

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.8

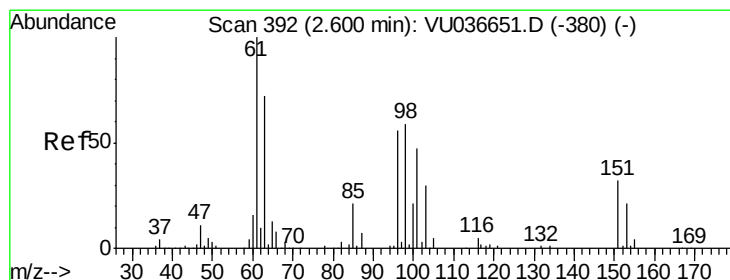
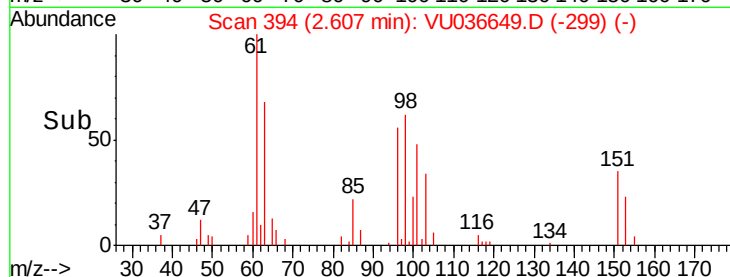
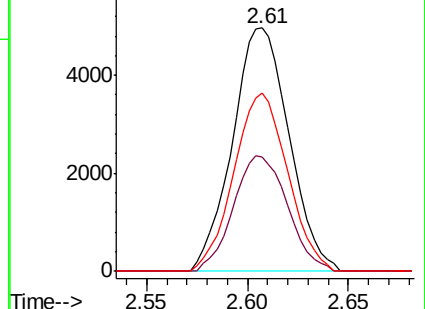
151 69.5 54.7 82.1



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: 4.391 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

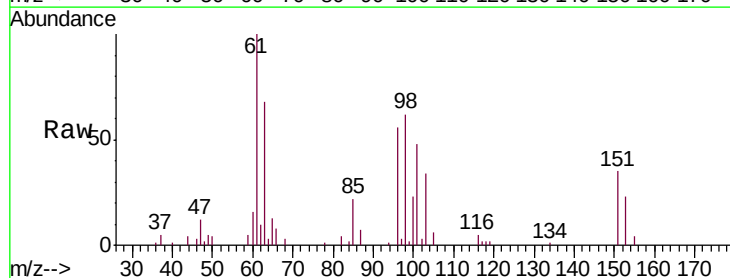
Tgt Ion: 96 Resp: 9948

Ion Ratio Lower Upper

96 100

61 177.5 126.8 235.4

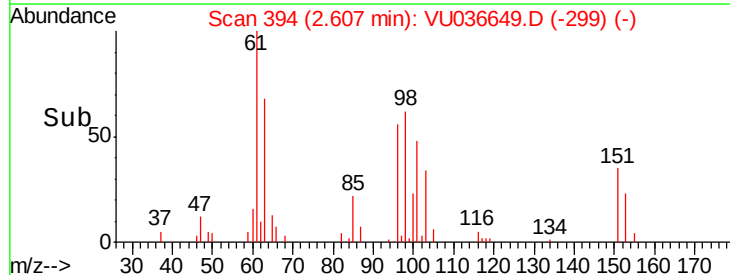
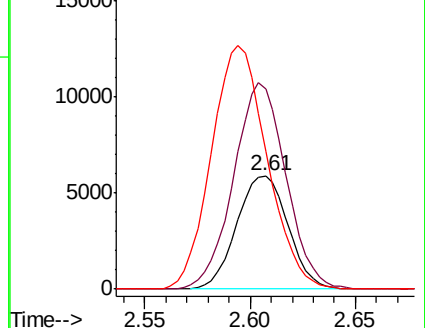
63 121.0 95.8 177.8

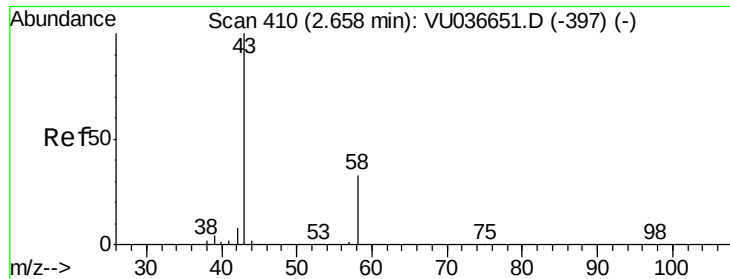


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.740 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

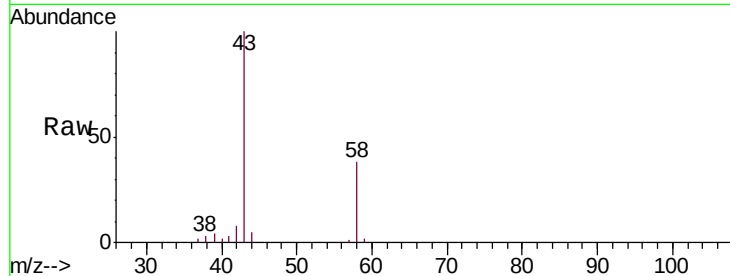
VSTD00536

Tgt Ion: 43 Resp: 18505

Ion Ratio Lower Upper

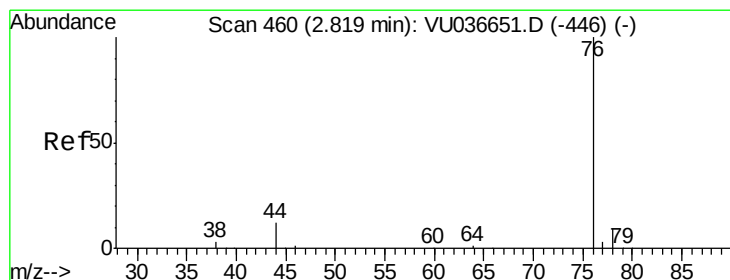
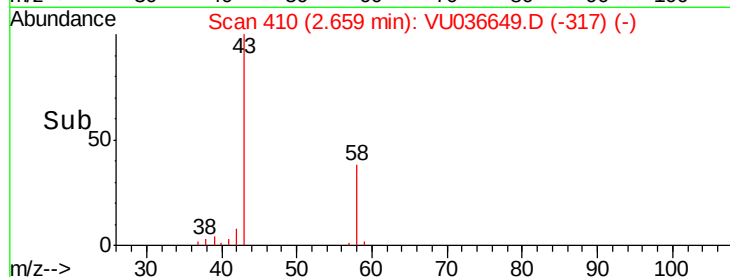
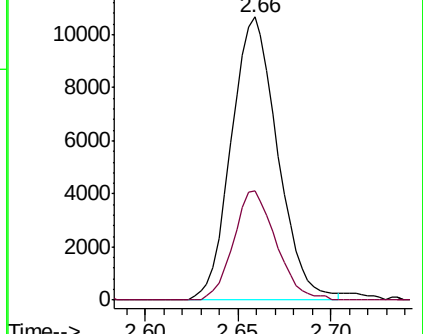
43 100

58 35.2 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU036651.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036651.D (-397) (-)



#14

Carbon disulfide

Concen: 4.563 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036649.D

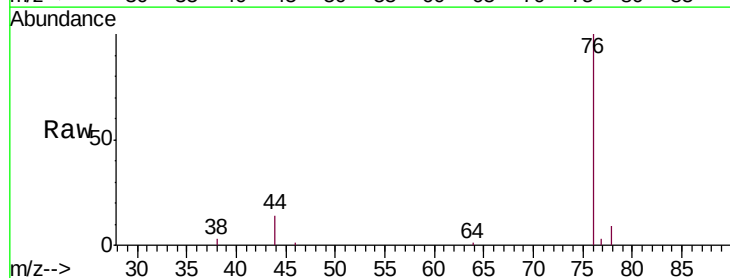
Acq: 31 Jan 2020 17:59

Tgt Ion: 76 Resp: 31210

Ion Ratio Lower Upper

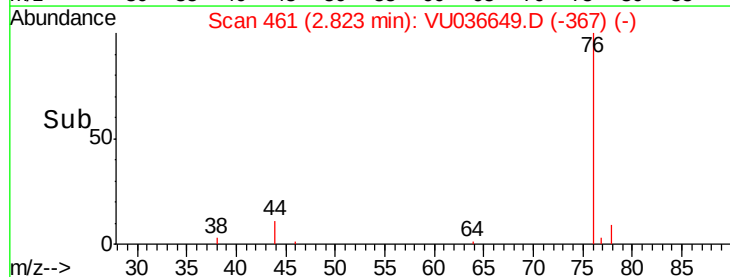
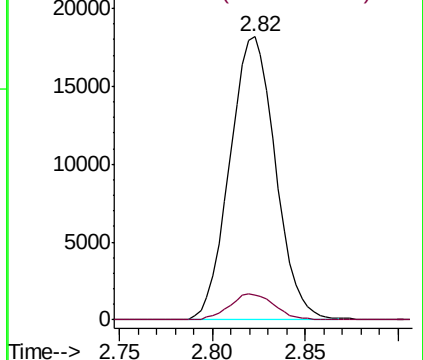
76 100

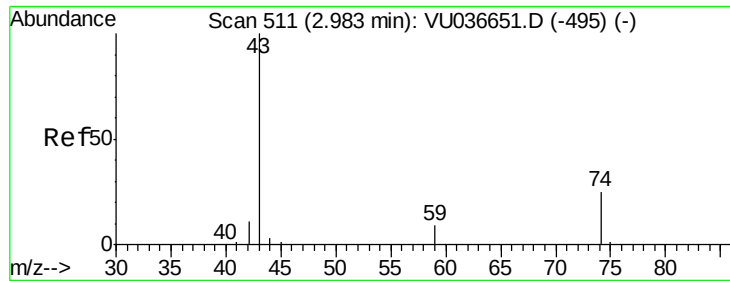
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036651.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036651.D (-446) (-)

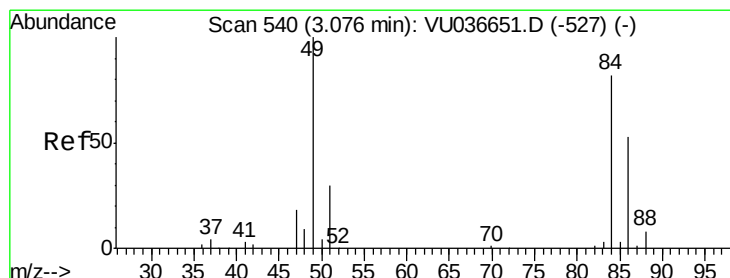
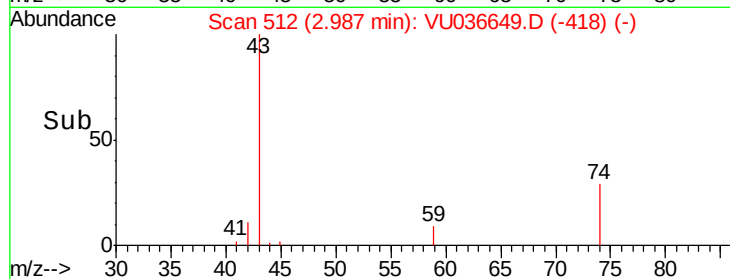
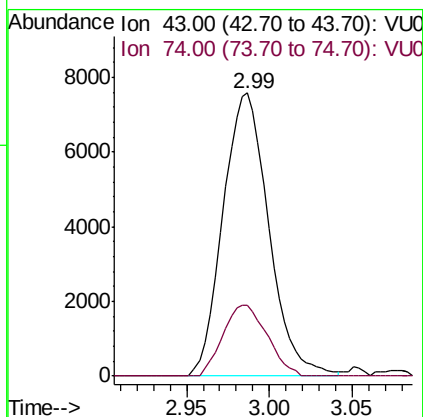
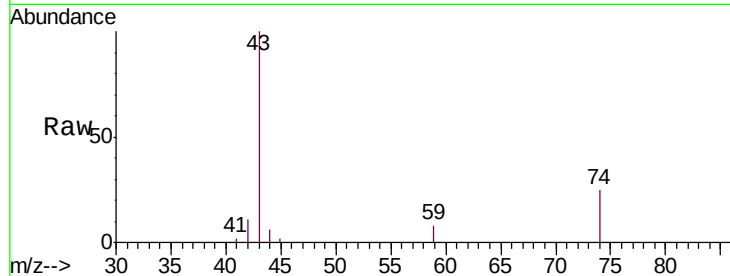




#15
Methyl Acetate
Concen: 5.733 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

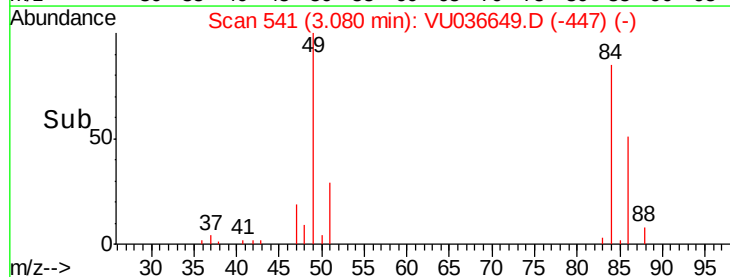
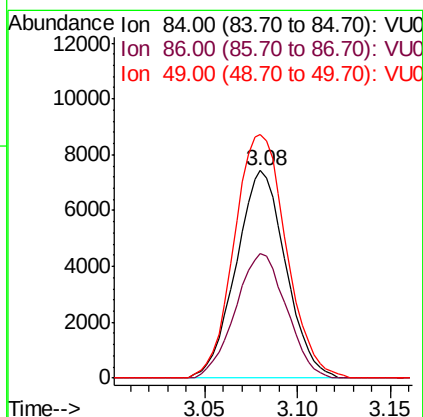
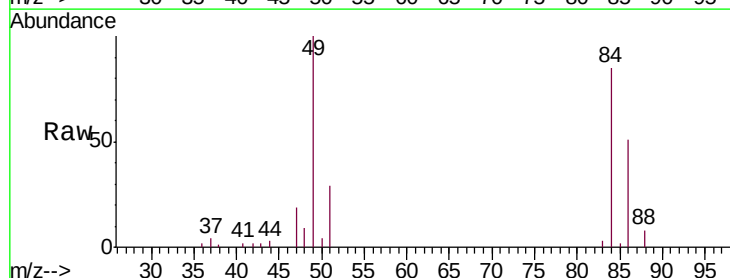
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

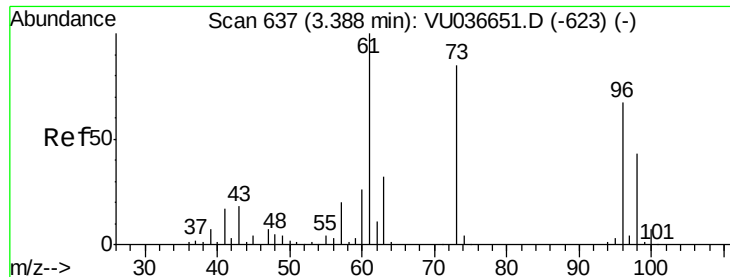
Tgt Ion: 43 Resp: 14571
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.2



#16
Methylene chloride
Concen: 5.029 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion: 84 Resp: 13797
Ion Ratio Lower Upper
84 100
86 60.2 45.1 83.9
49 117.5 85.3 158.3





#17

trans-1,2-Dichloroethene

Concen: 4.405 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

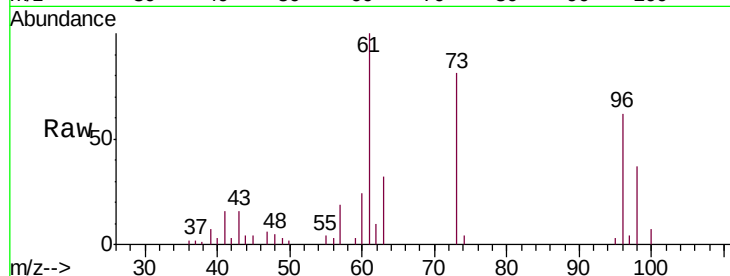
Tgt Ion: 96 Resp: 10647

Ion Ratio Lower Upper

96 100

61 161.4 104.2 193.6

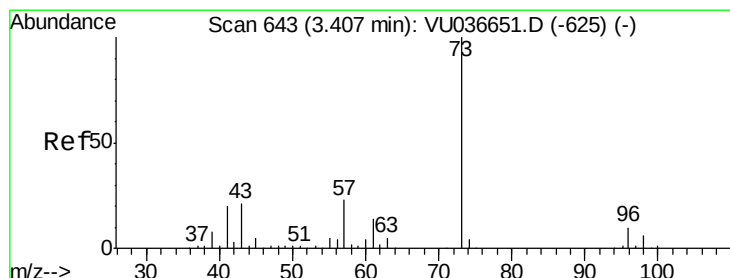
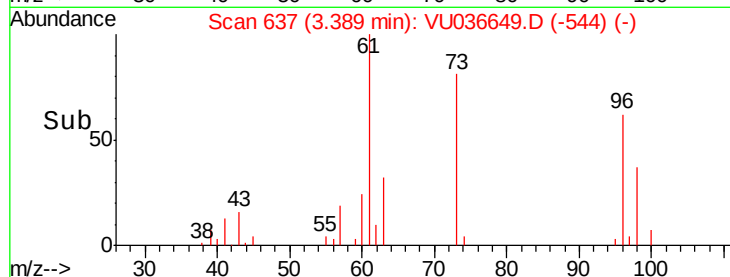
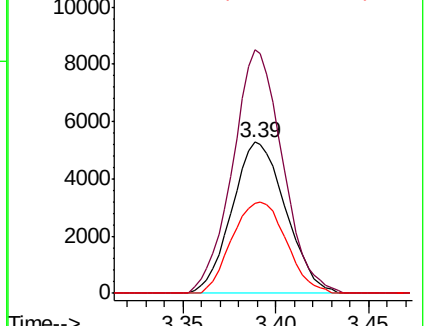
98 59.8 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU036649.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036649.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036649.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 4.660 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

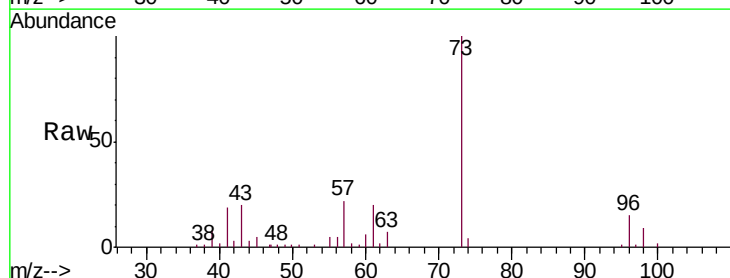
Tgt Ion: 73 Resp: 36805

Ion Ratio Lower Upper

73 100

43 21.0 16.6 24.8

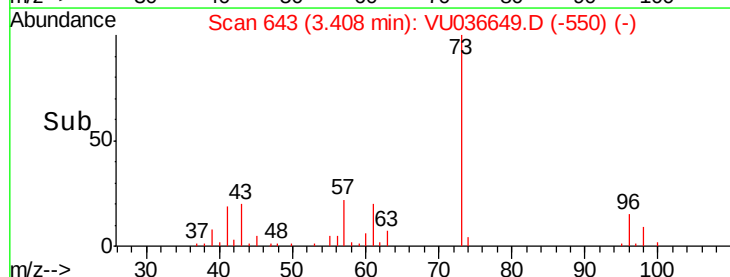
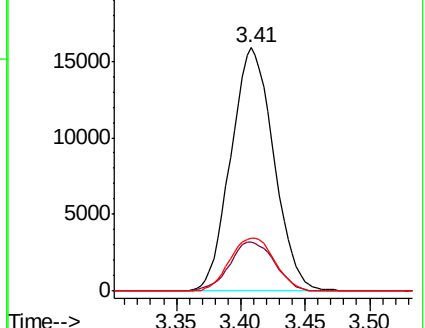
57 22.7 18.0 27.0

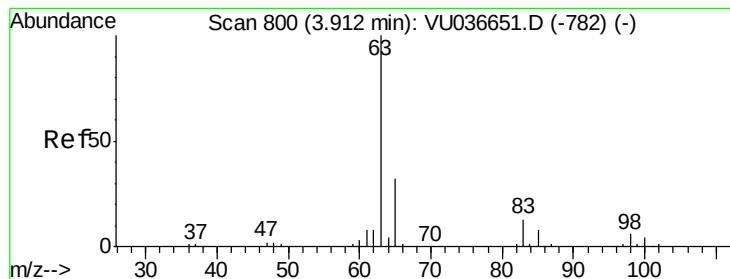


Abundance Ion 73.00 (72.70 to 73.70): VU036649.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036649.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036649.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 4.756 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

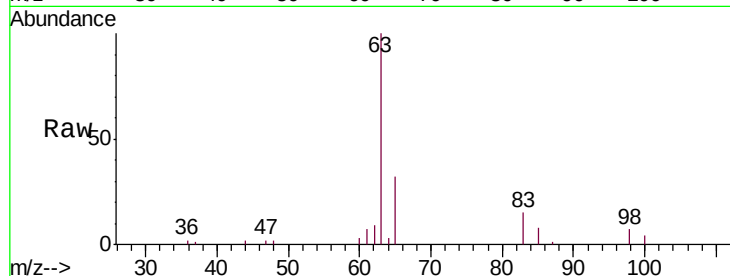
Tgt Ion: 63 Resp: 20995

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

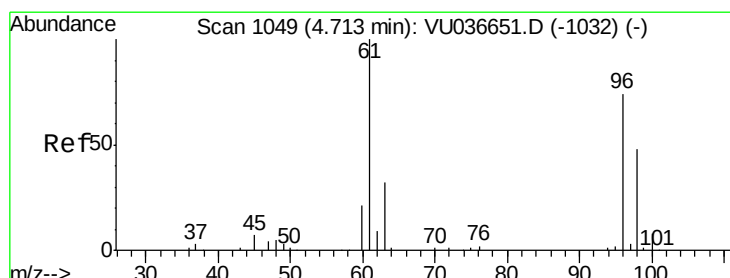
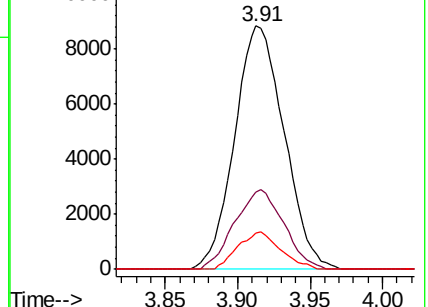
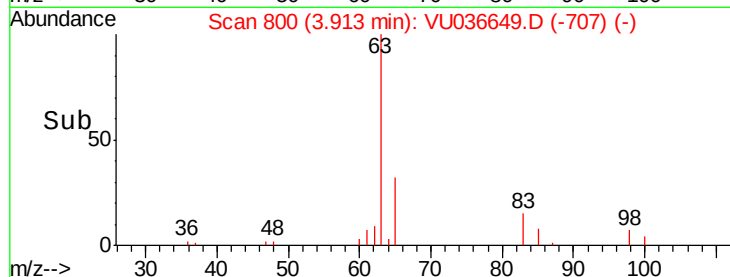
83 15.1 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU036649.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036649.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036649.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.505 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

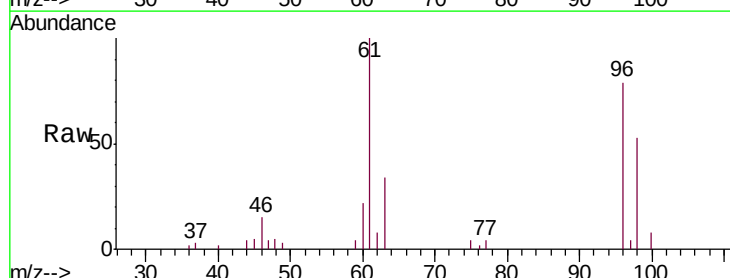
Tgt Ion: 96 Resp: 12384

Ion Ratio Lower Upper

96 100

61 126.9 94.9 176.3

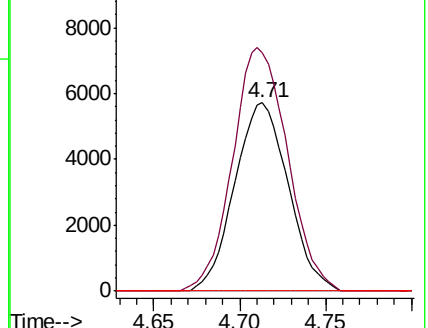
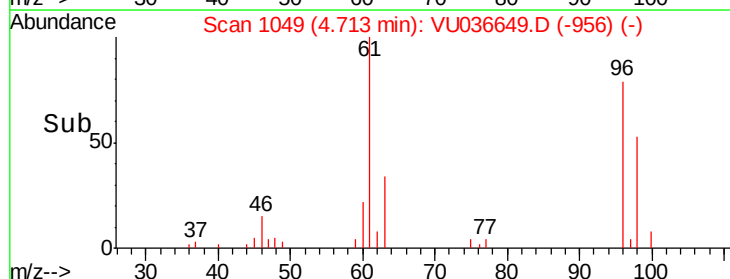
68 0.0 0.0 0.0

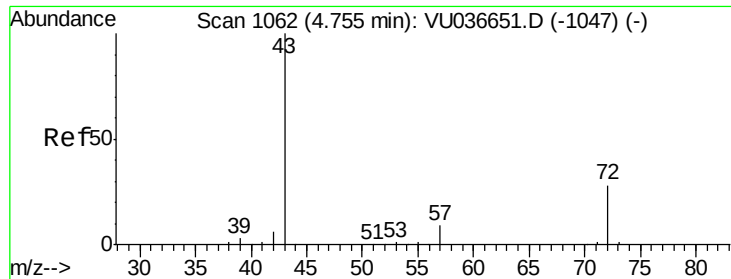


Abundance Ion 96.00 (95.70 to 96.70): VU036649.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036649.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036649.D (-956) (-)





#22

2-Butanone

Concen: 11.387 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

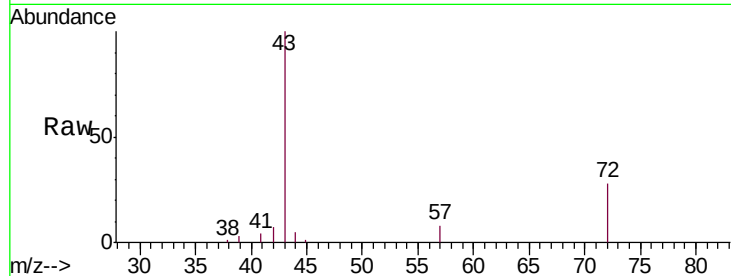
VSTD00536

Tgt Ion: 43 Resp: 22063

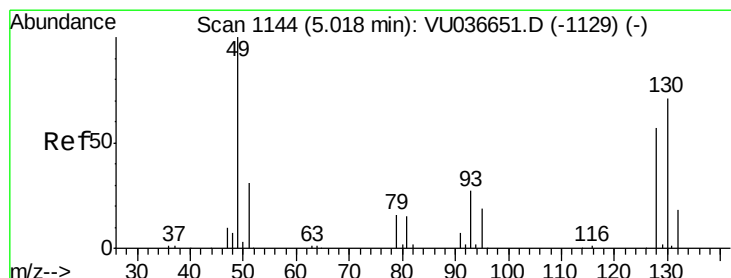
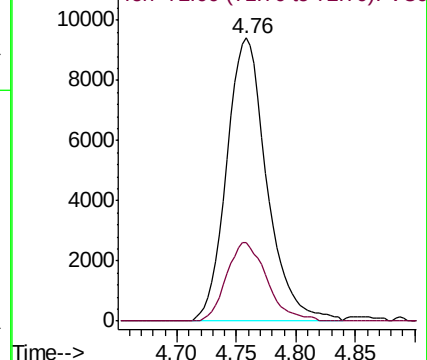
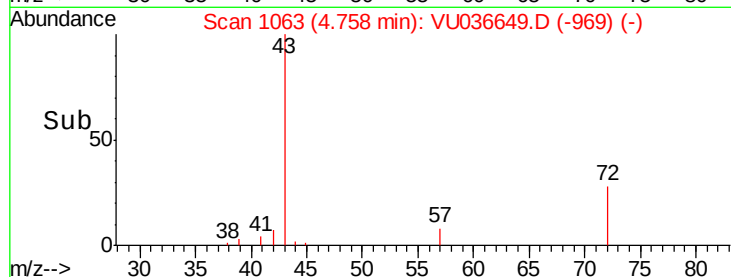
Ion Ratio Lower Upper

43 100

72 27.9 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036649.D (-969) (-)



#23

Bromochloromethane

Concen: 3.969 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Tgt Ion: 128 Resp: 5544

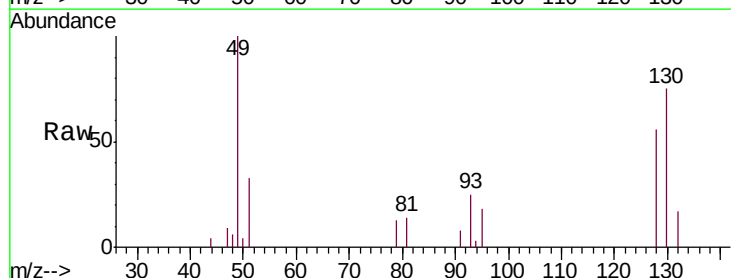
Ion Ratio Lower Upper

128 100

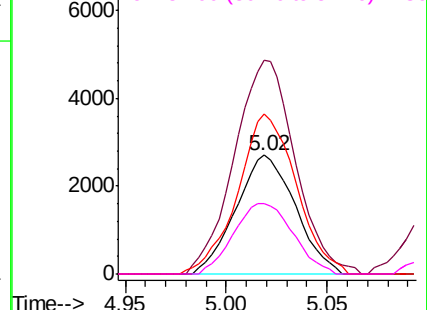
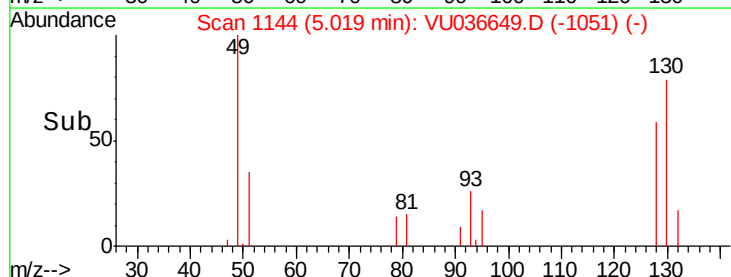
49 180.0 123.8 229.8

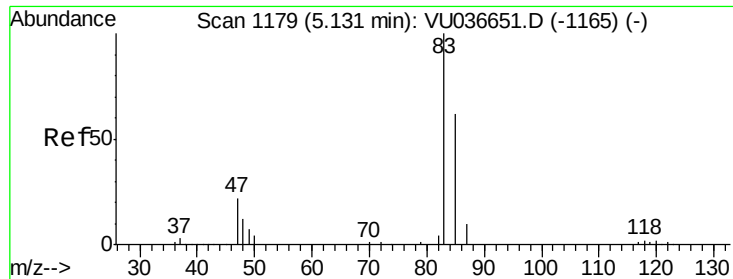
130 135.2 87.8 163.2

51 59.0 43.4 65.0



Abundance Ion 128.00 (127.70 to 128.70): VU036649.D (-1051) (-)

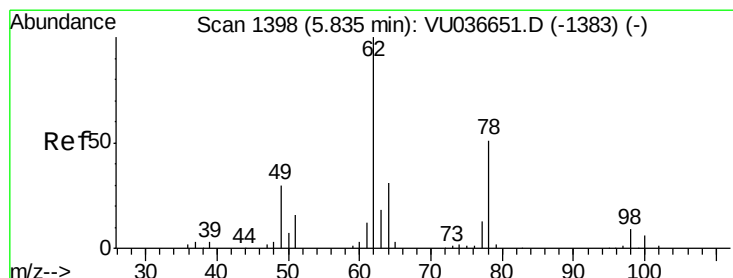
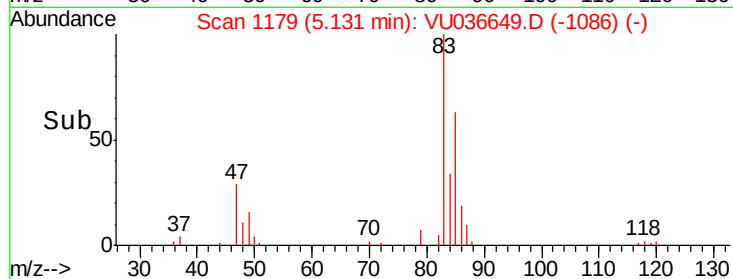
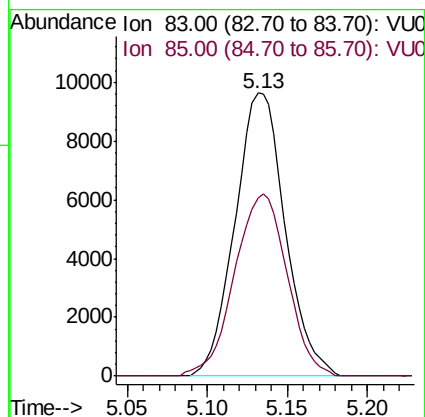
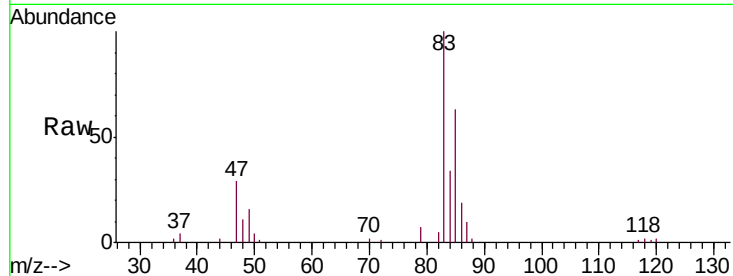




#25
Chloroform
Concen: 4.628 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

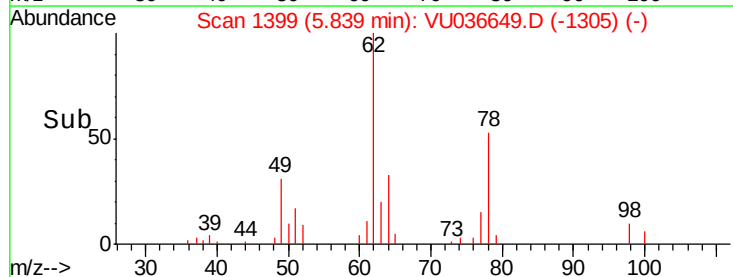
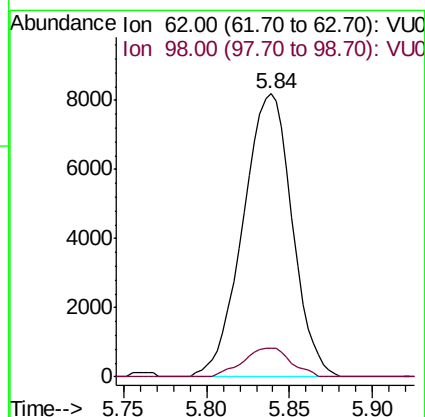
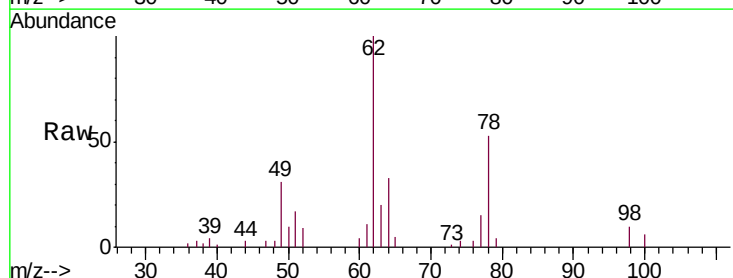
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

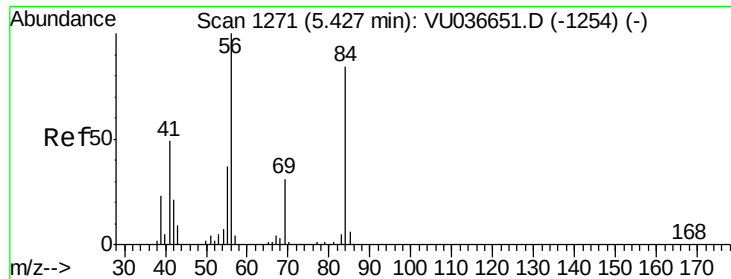
Tgt Ion: 83 Resp: 20696
Ion Ratio Lower Upper
83 100
85 62.9 44.3 82.3



#27
1,2-Dichloroethane
Concen: 4.973 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion: 62 Resp: 16918
Ion Ratio Lower Upper
62 100
98 10.3 7.3 10.9

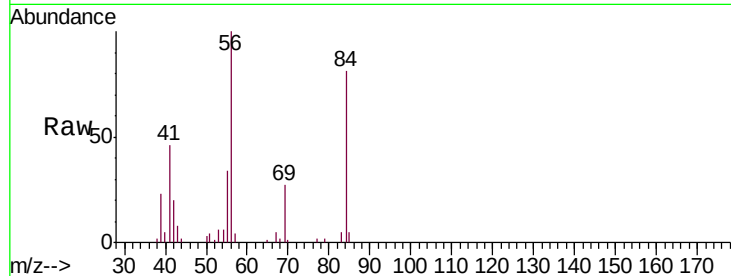




#29
Cyclohexane
Concen: 5.059 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.0	37.4
84	84.1	66.2	99.2

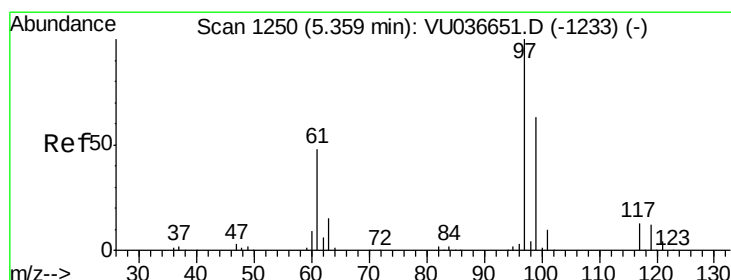
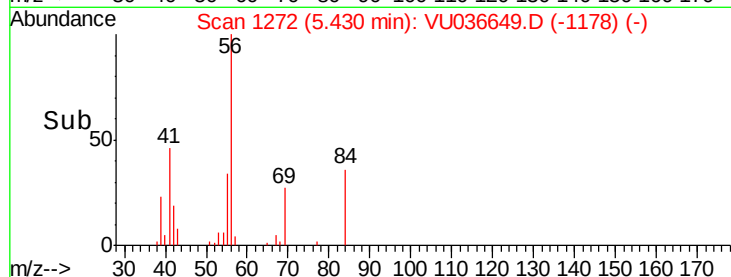
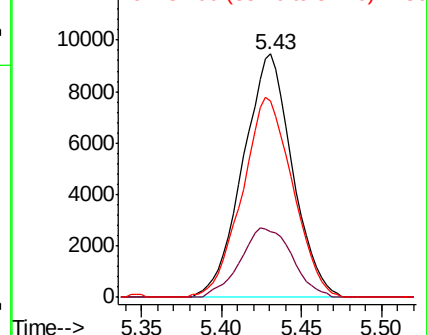


Abundance

Ion 56.00 (55.70 to 56.70): VU0

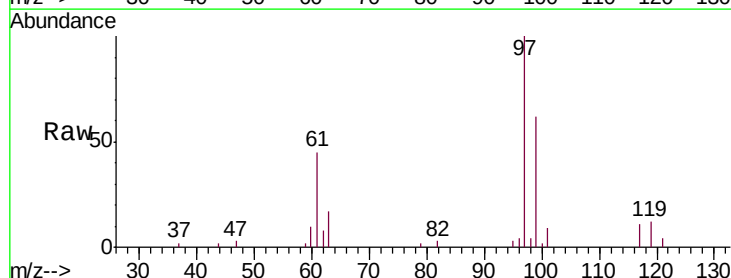
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30
1,1,1-Trichloroethane
Concen: 4.557 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	45.9	38.2	57.4

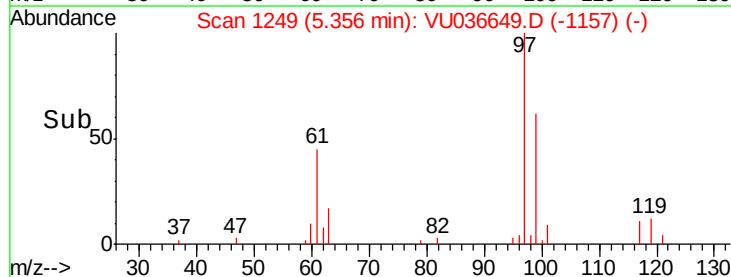
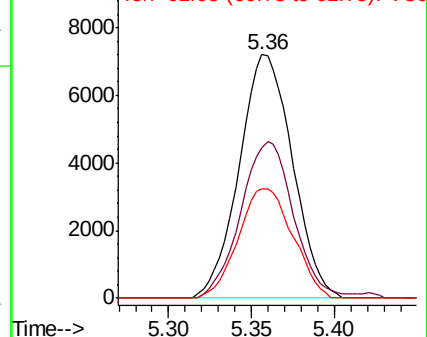


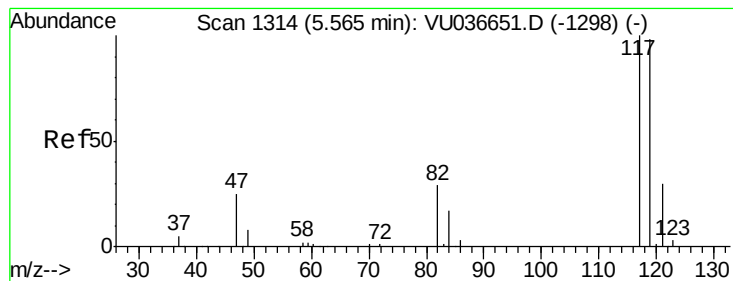
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 4.329 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

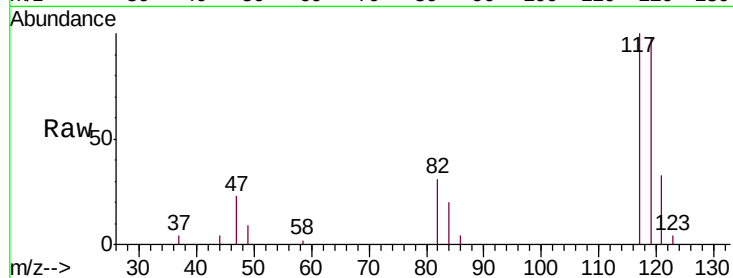
VSTD00536

Tgt Ion:117 Resp: 12938

Ion Ratio Lower Upper

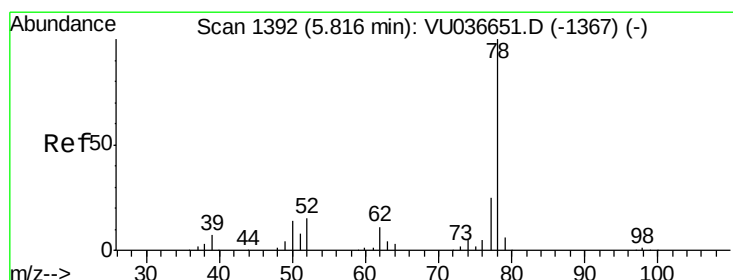
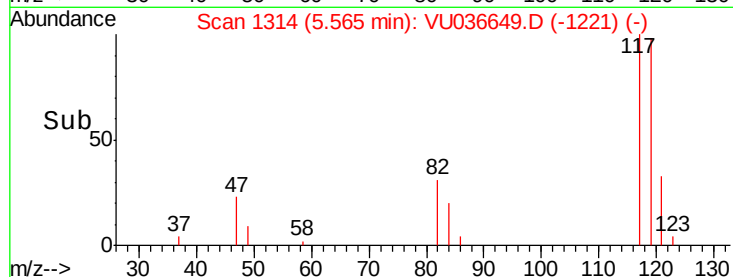
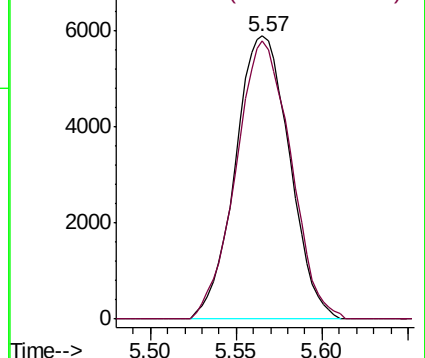
117 100

119 99.1 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.657 ug/L

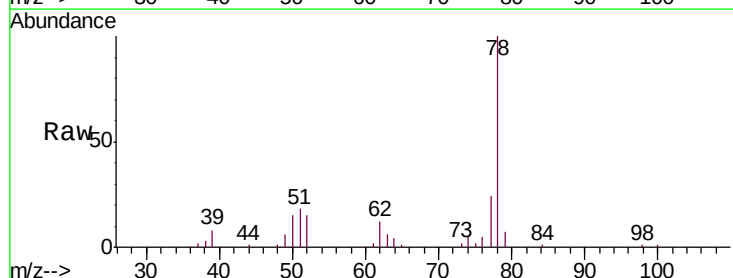
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

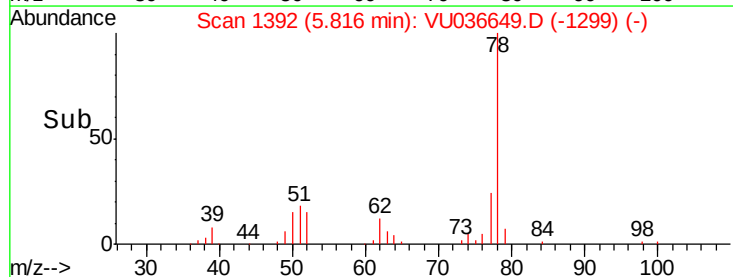
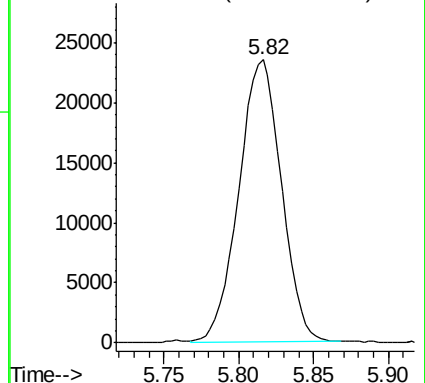
Lab File: VU036649.D

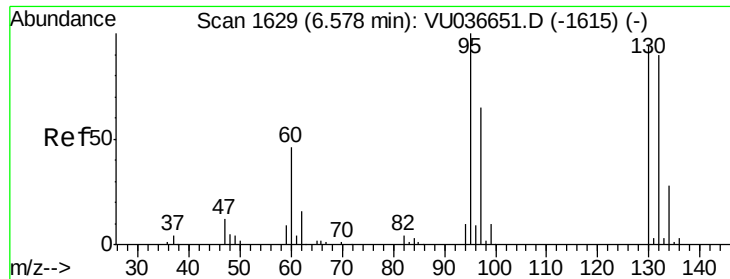
Acq: 31 Jan 2020 17:59

Tgt Ion: 78 Resp: 46713



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 4.432 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

Tgt Ion: 95 Resp: 11331

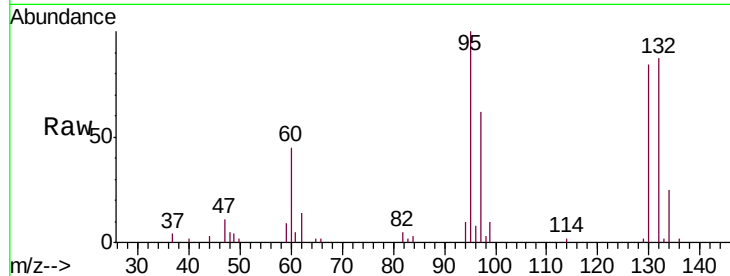
Ion Ratio Lower Upper

95 100

97 62.4 45.4 84.4

132 87.1 63.2 117.4

130 84.4 65.9 122.3

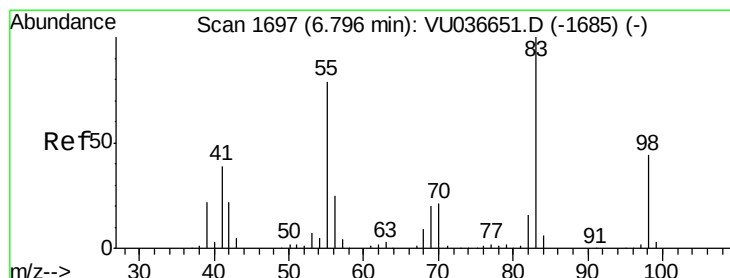
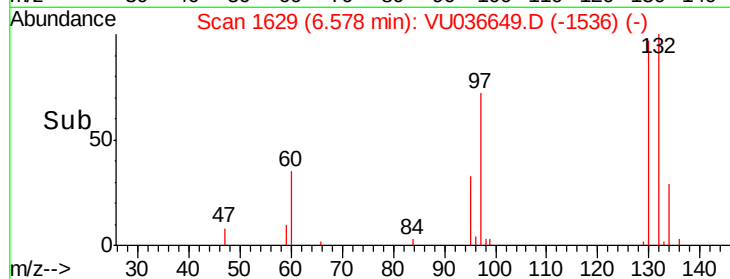
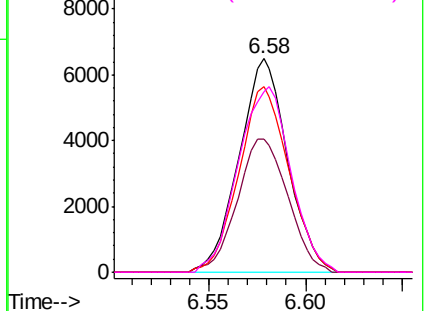


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 4.515 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

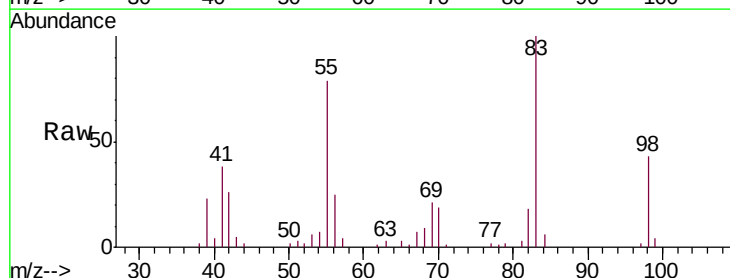
Tgt Ion: 83 Resp: 19420

Ion Ratio Lower Upper

83 100

55 79.0 63.1 94.7

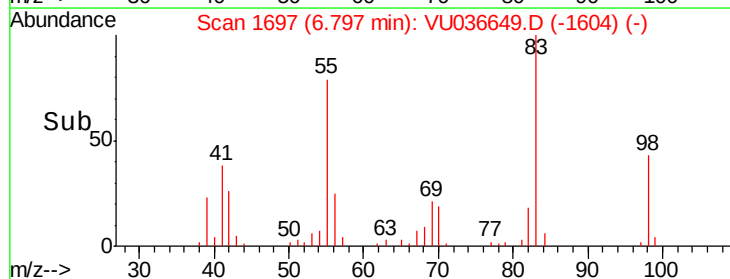
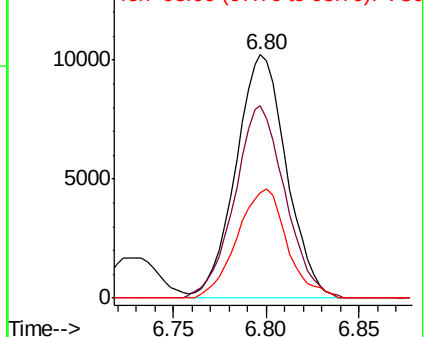
98 44.3 35.0 52.6

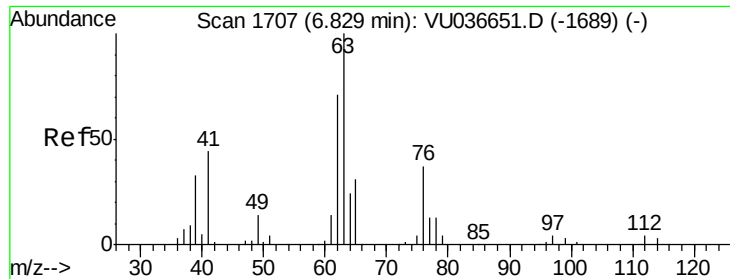


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

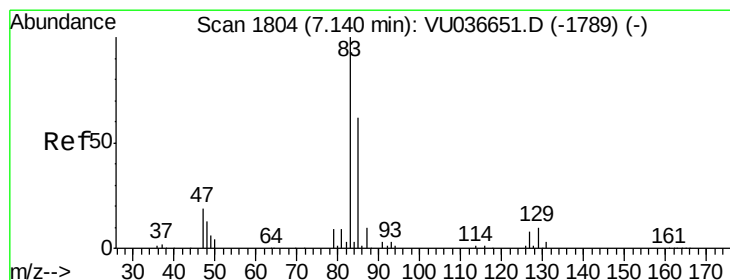
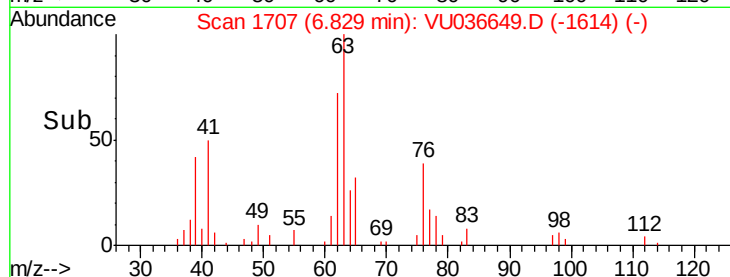
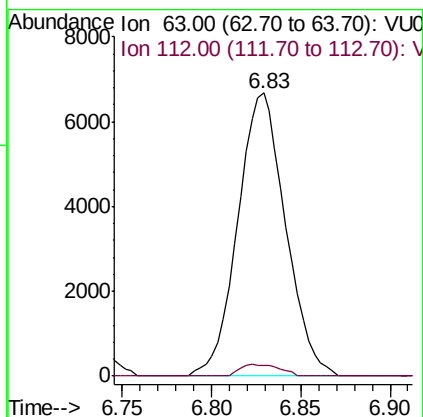
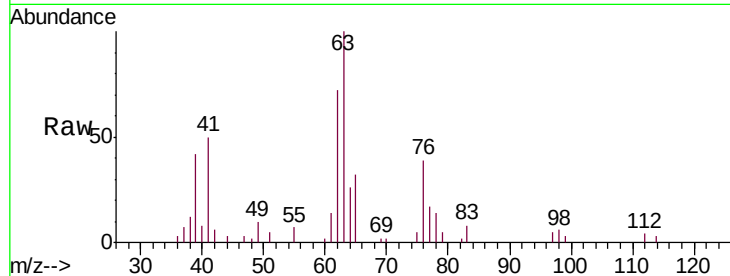




#37
 1,2-Dichloropropane
 Concen: 4.853 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

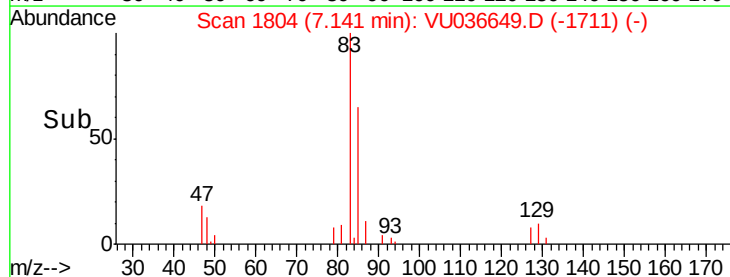
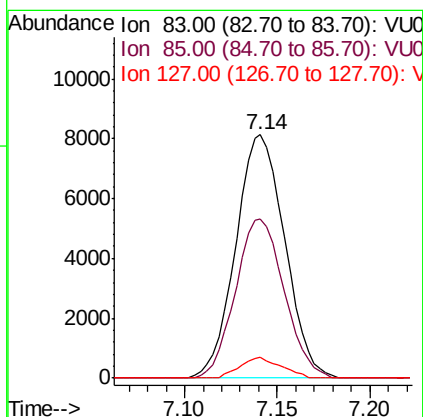
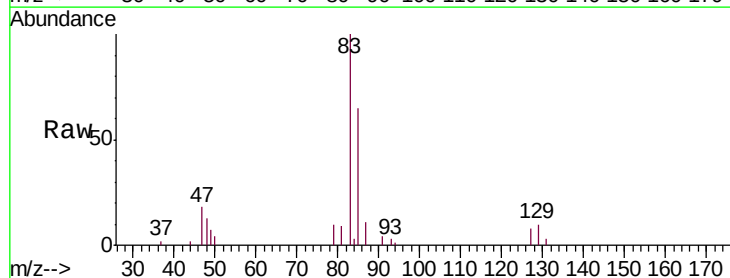
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

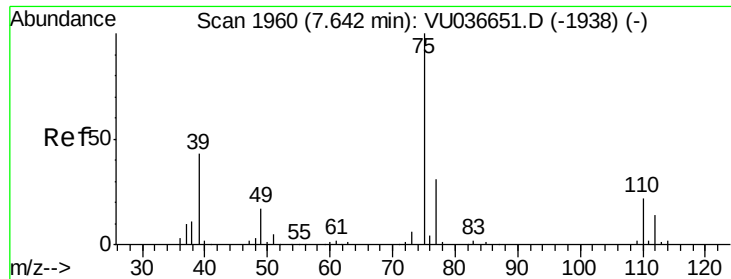
Tgt Ion: 63 Resp: 12492
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.650 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Tgt Ion: 83 Resp: 14890
 Ion Ratio Lower Upper
 83 100
 85 65.3 43.2 80.2
 127 8.4 6.4 9.6

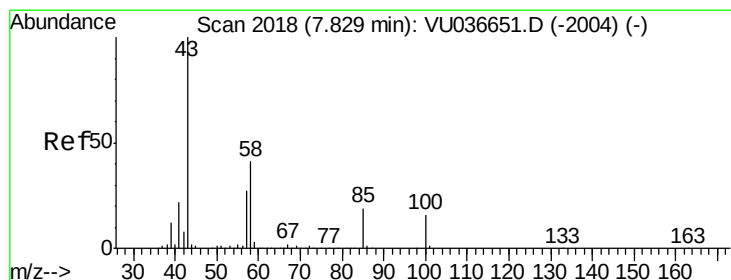
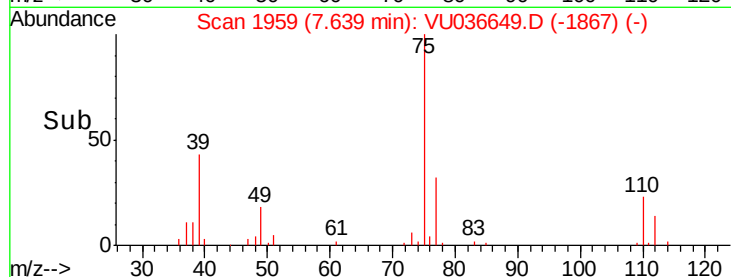
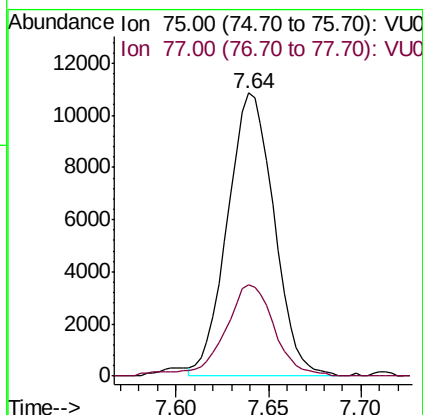
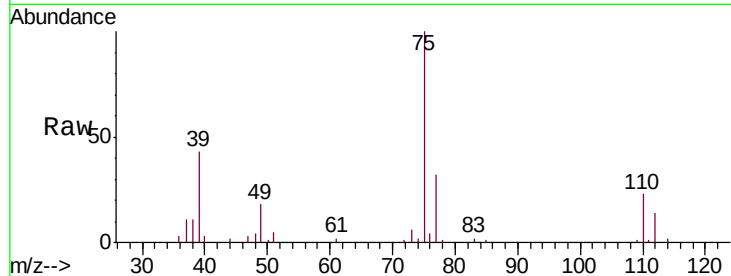




#39
 cis-1,3-Dichloropropene
 Concen: 4.583 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

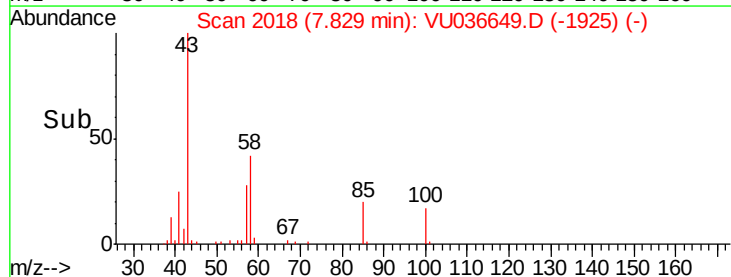
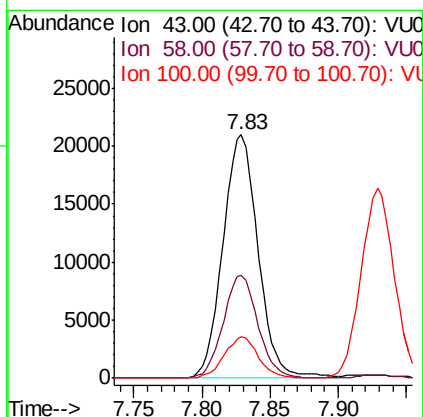
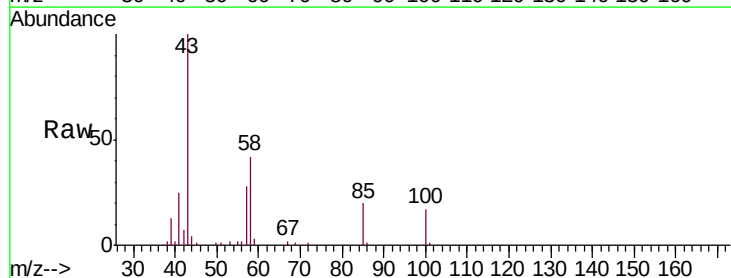
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

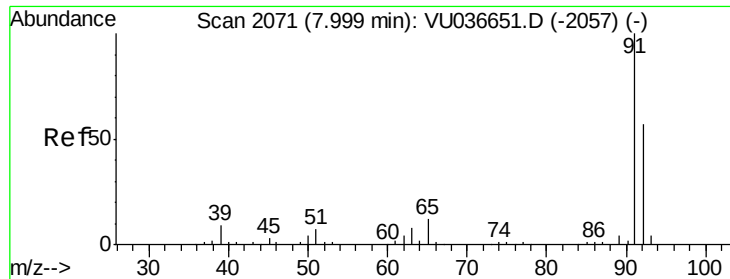
Tgt Ion: 75 Resp: 18916
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 10.993 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Tgt Ion: 43 Resp: 37585
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.3 49.9
 100 16.3 12.4 18.6





#42

Toluene

Concen: 4.564 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

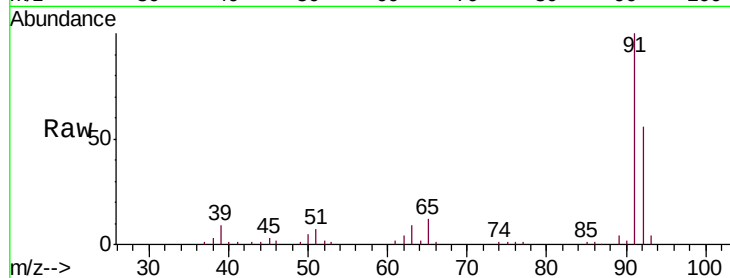
VSTD00536

Tgt Ion: 91 Resp: 49503

Ion Ratio Lower Upper

91 100

92 55.6 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU036651.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036651.D (-2057) (-)

8.00

30000

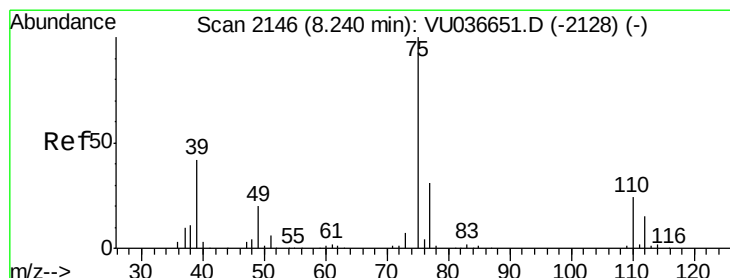
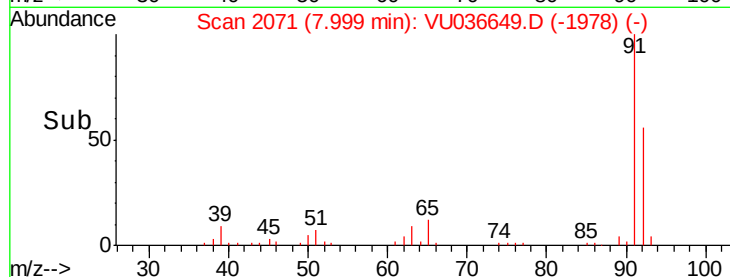
20000

10000

0

Time-->

7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 4.713 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036649.D

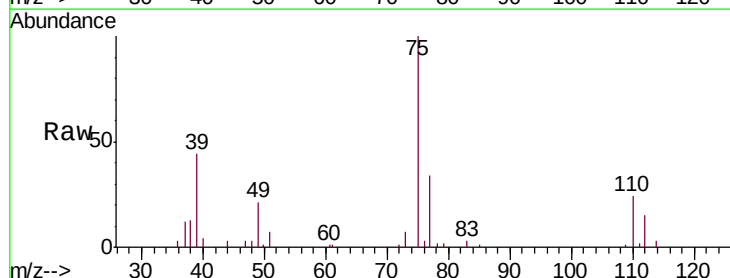
Acq: 31 Jan 2020 17:59

Tgt Ion: 75 Resp: 17059

Ion Ratio Lower Upper

75 100

77 33.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU036651.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036651.D (-2128) (-)

8.24

12000

10000

8000

6000

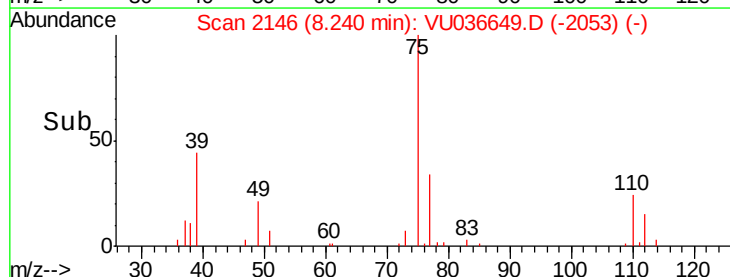
4000

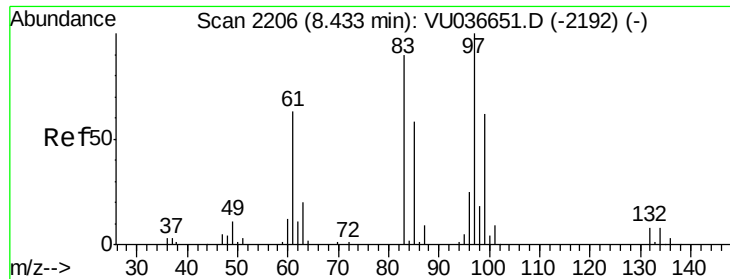
2000

0

Time-->

8.15 8.20 8.25 8.30

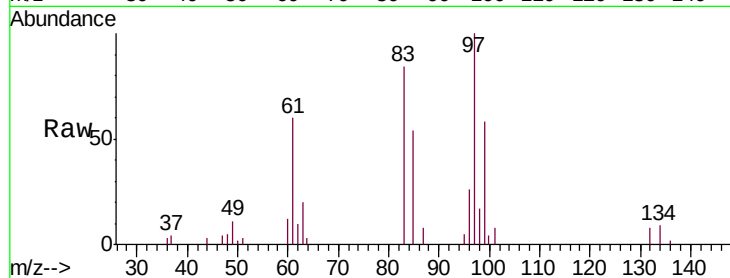




#45
 1,1,2-Trichloroethane
 Concen: 4.531 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00536

Tgt Ion:	97	Resp:	11422
Ion	Ratio	Lower	Upper
97	100		
99	58.1	43.4	80.6
83	84.4	63.0	117.0
85	53.9	40.3	74.9



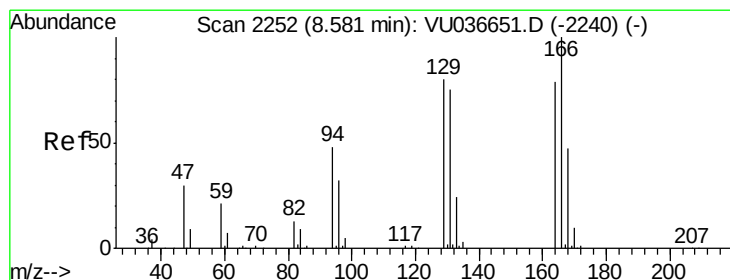
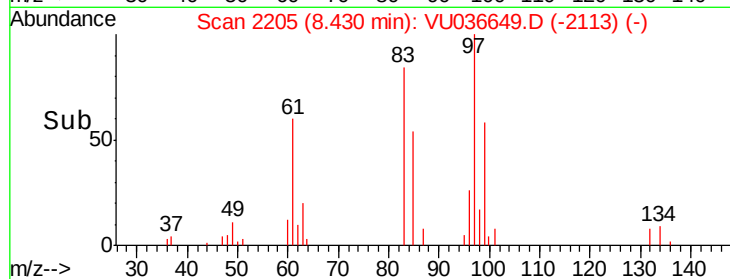
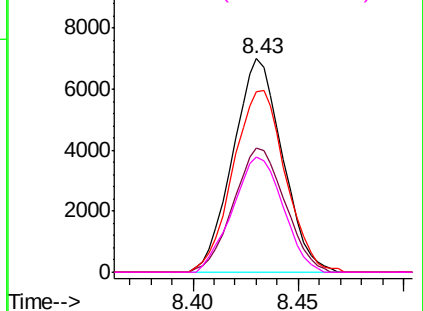
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

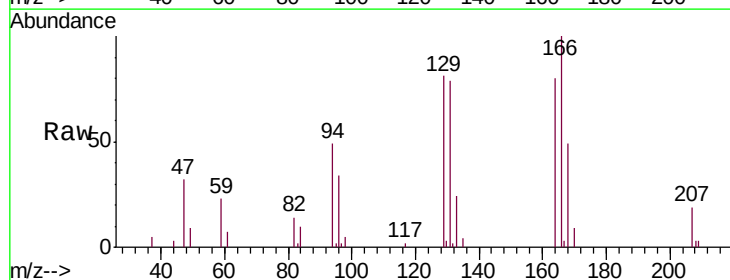
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 4.314 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Tgt Ion:	164	Resp:	8707
Ion	Ratio	Lower	Upper
164	100		
129	100.5	71.1	132.1
131	98.7	66.9	124.3
166	124.7	89.0	165.4



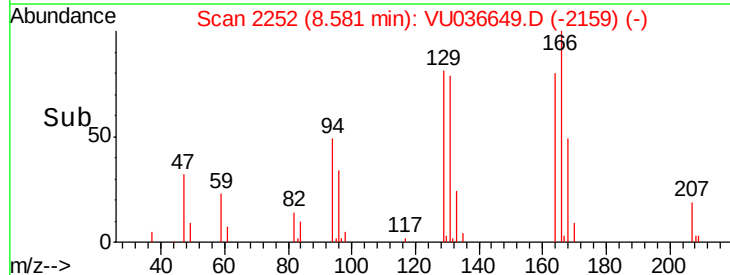
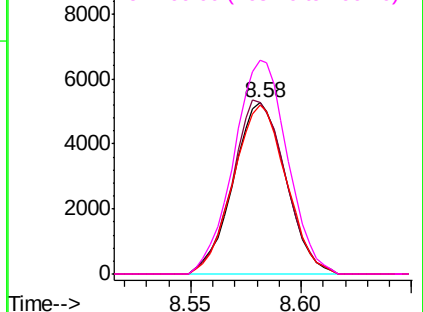
Abundance

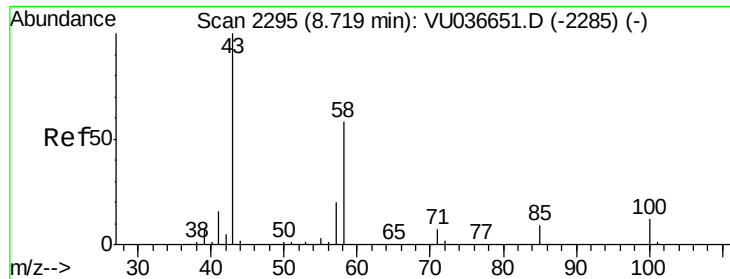
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

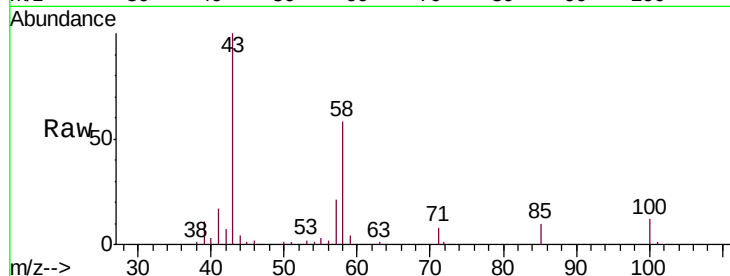




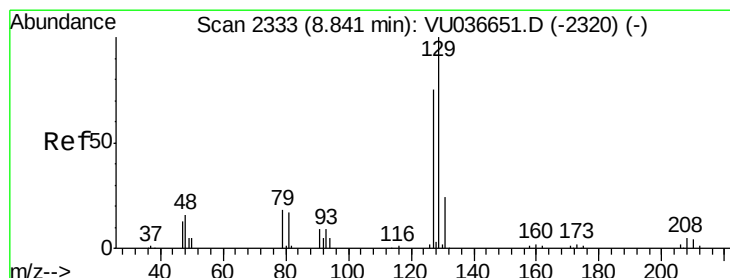
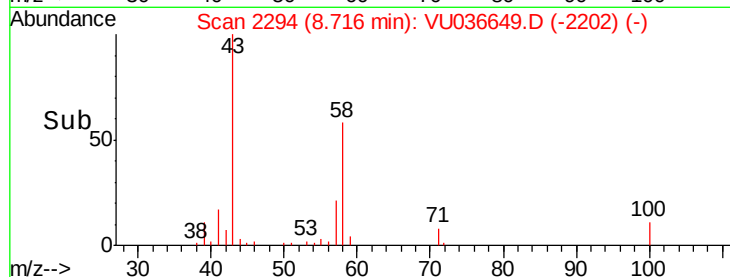
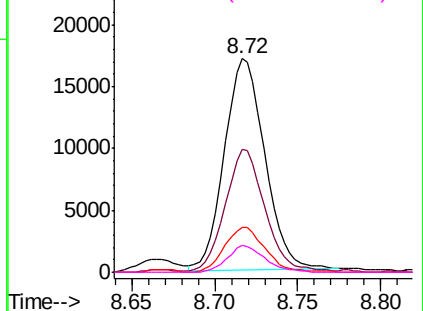
#48
2-Hexanone
Concen: 11.292 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion:	43	Resp:	29009
Ion	Ratio	Lower	Upper
43	100		
58	55.9	46.2	69.2
57	21.3	16.3	24.5
100	11.7	9.8	14.6

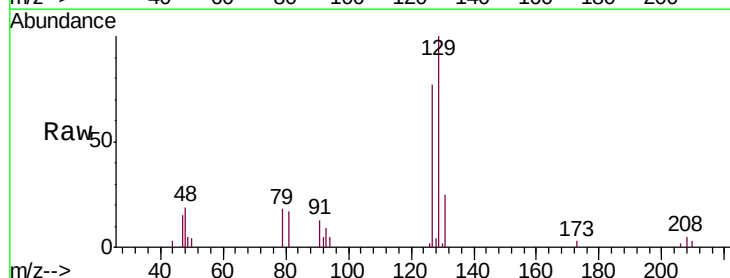


Abundance Ion 43.00 (42.70 to 43.70): VU036649.D (-2294) (-)
Ion 58.00 (57.70 to 58.70): VU036649.D (-2294) (-)
Ion 57.00 (56.70 to 57.70): VU036649.D (-2294) (-)
Ion 100.00 (99.70 to 100.70): VU036649.D (-2294) (-)

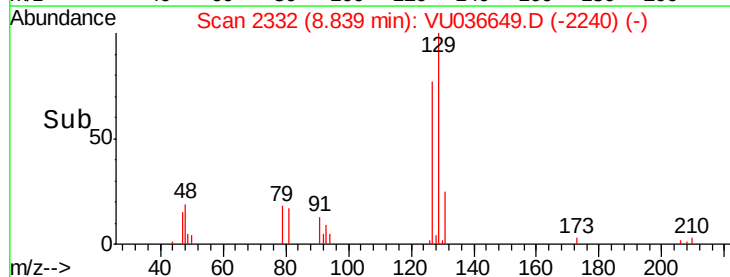
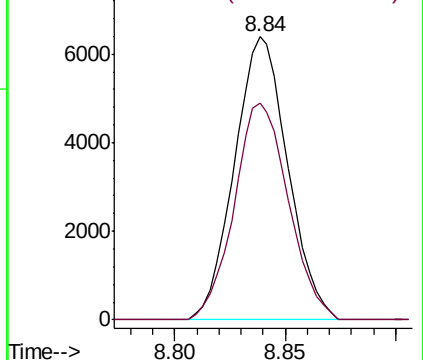


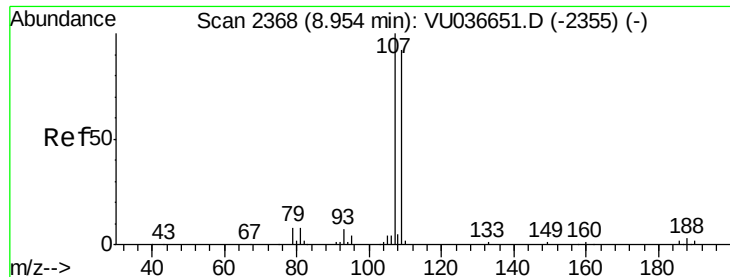
#49
Dibromochloromethane
Concen: 4.066 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion:	129	Resp:	10696
Ion	Ratio	Lower	Upper
129	100		
127	76.5	52.4	97.2



Abundance Ion 129.00 (128.70 to 129.70): VU036649.D (-2332) (-)
Ion 127.00 (126.70 to 127.70): VU036649.D (-2332) (-)

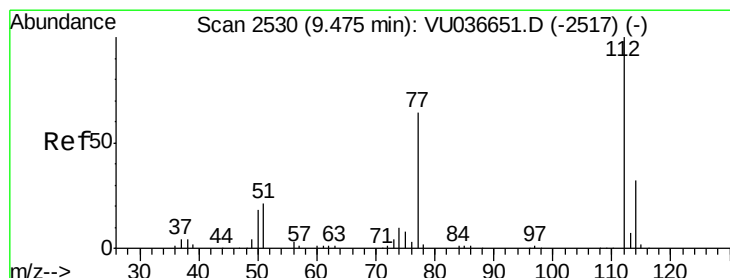
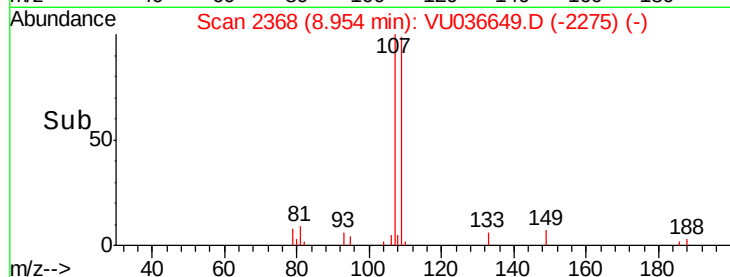
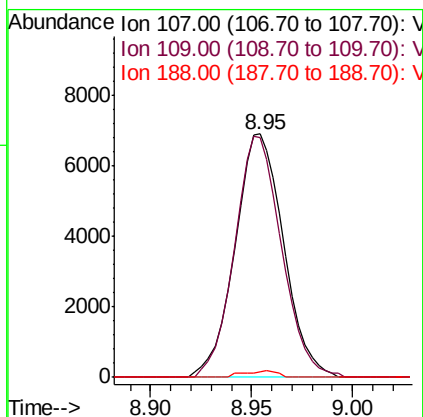
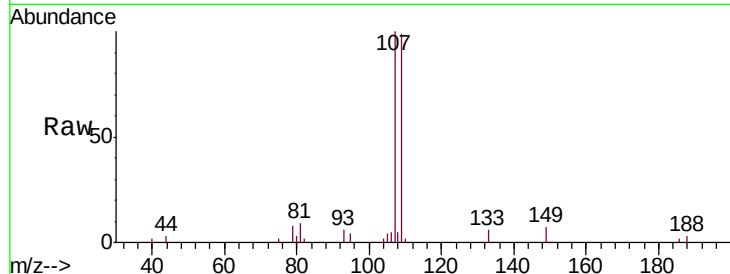




#50
1,2-Dibromoethane
Concen: 4.316 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

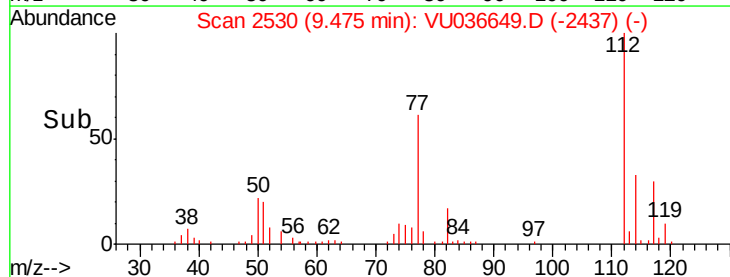
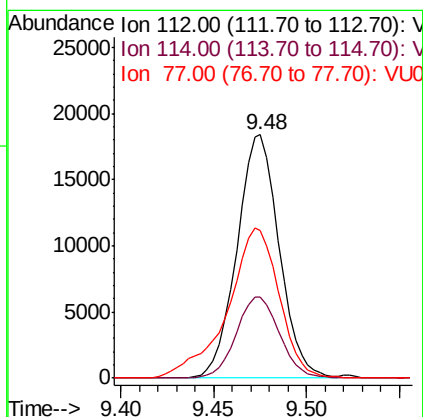
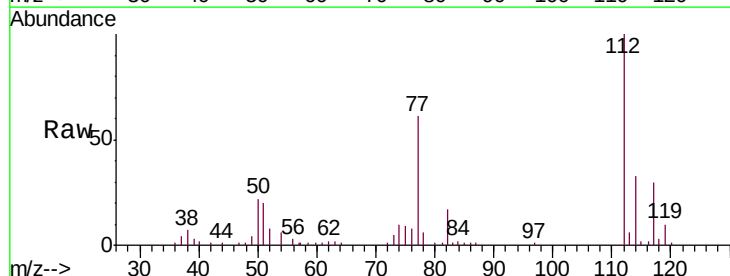
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

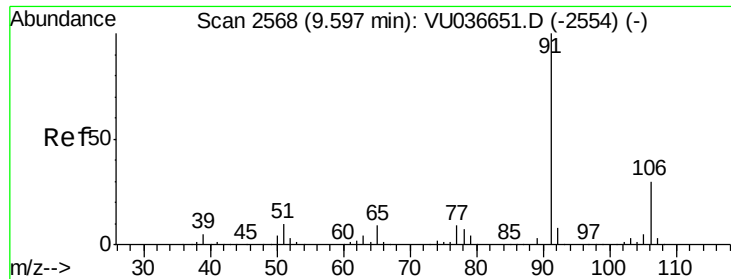
Tgt Ion:107 Resp: 11643
Ion Ratio Lower Upper
107 100
109 98.7 64.5 119.7
188 2.5 2.5 3.7



#51
Chlorobenzene
Concen: 4.206 ug/L
RT: 9.48 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036649.D
Acq: 31 Jan 2020 17:59

Tgt Ion:112 Resp: 29202
Ion Ratio Lower Upper
112 100
114 33.1 22.5 41.9
77 60.6 51.4 77.2





#52

Ethylbenzene

Concen: 4.478 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

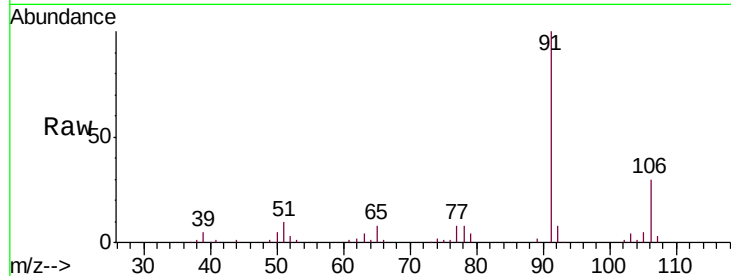
VSTD00536

Tgt Ion: 91 Resp: 53329

Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036649.D (-2475) (-)

Ion 106.00 (105.70 to 106.70): VU036649.D (-2475) (-)

9.60

30000

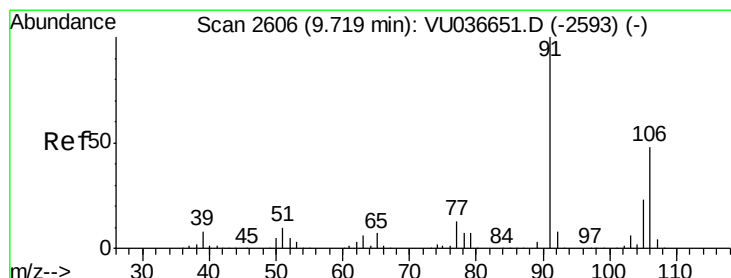
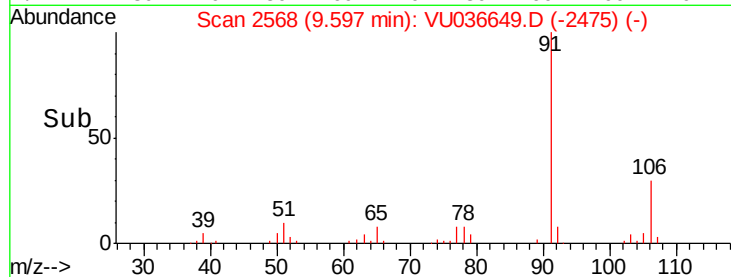
20000

10000

0

Time-->

9.55 9.60 9.65



#53

m,p-Xylene

Concen: 4.200 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036649.D

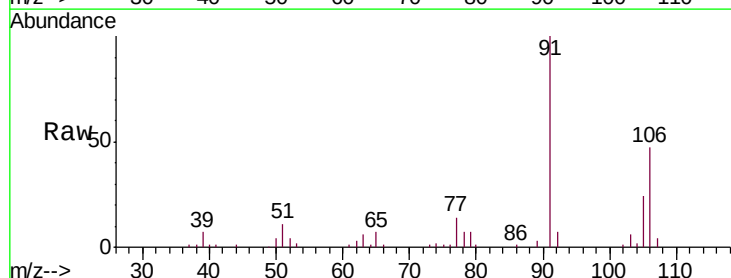
Acq: 31 Jan 2020 17:59

Tgt Ion: 106 Resp: 19287

Ion Ratio Lower Upper

106 100

91 214.1 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036649.D (-2513) (-)

Ion 91.00 (90.70 to 91.70): VU036649.D (-2513) (-)

9.72

30000

25000

20000

15000

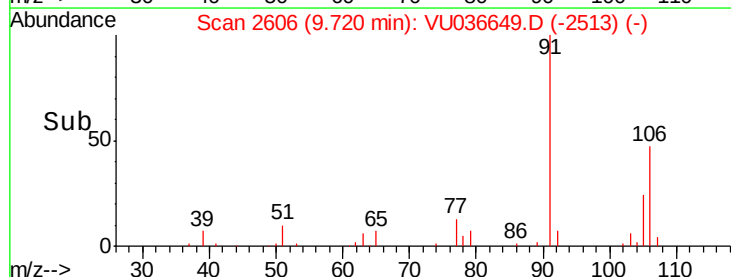
10000

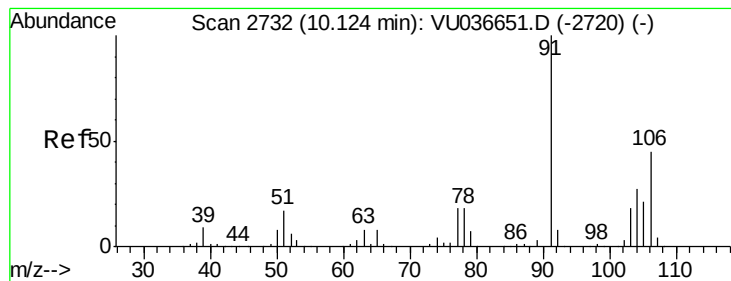
5000

0

Time-->

9.65 9.70 9.75





#54

o-xylene

Concen: 4.284 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

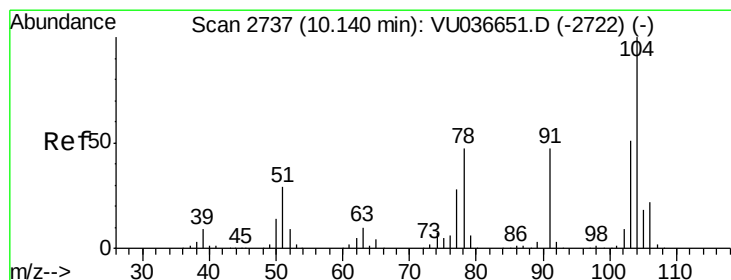
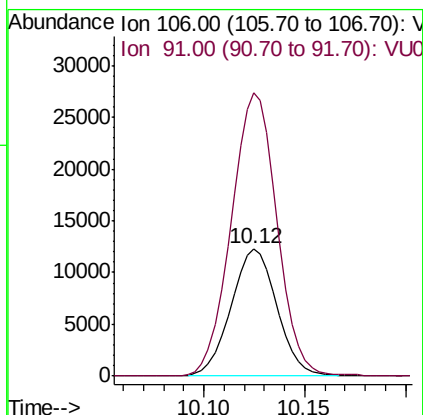
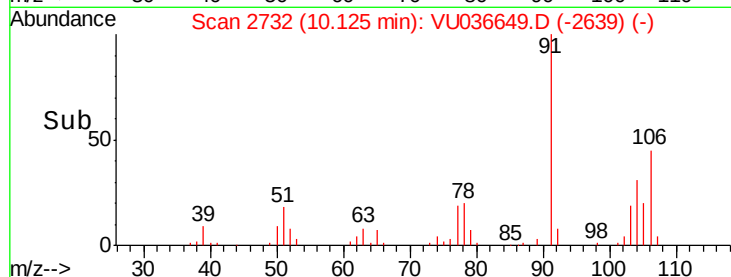
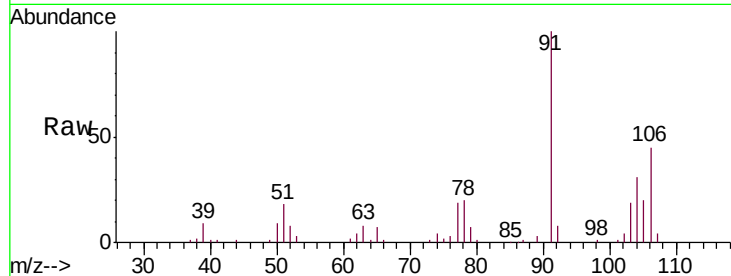
VSTD00536

Tgt Ion:106 Resp: 19619

Ion Ratio Lower Upper

106 100

91 221.6 154.9 287.7



#55

Styrene

Concen: 4.354 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036649.D

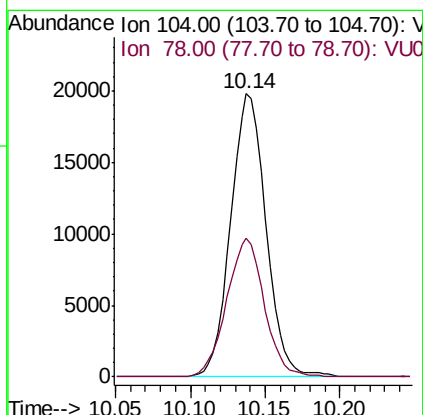
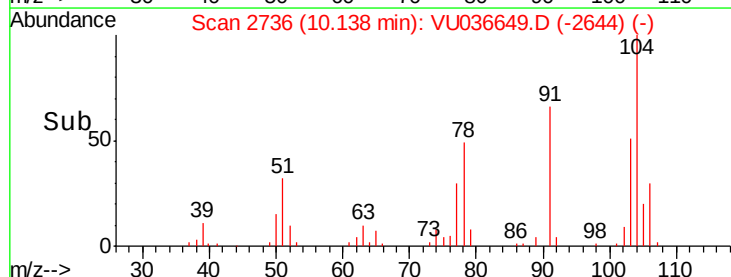
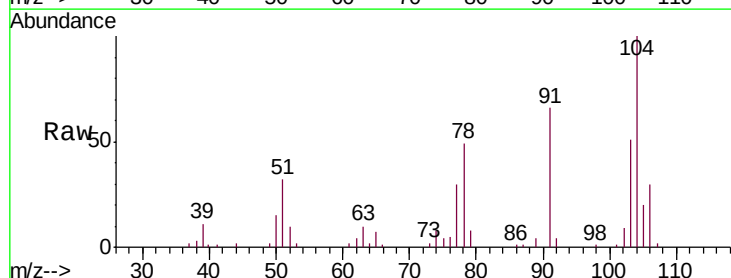
Acq: 31 Jan 2020 17:59

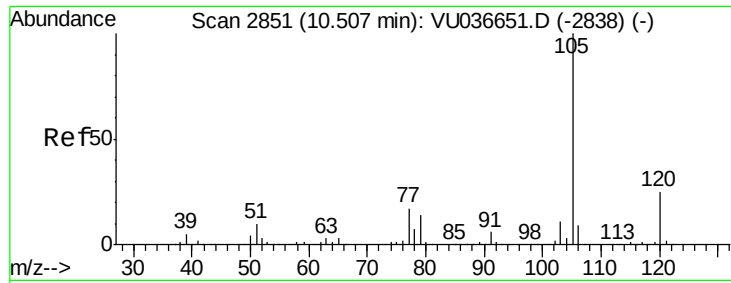
Tgt Ion:104 Resp: 32577

Ion Ratio Lower Upper

104 100

78 49.2 33.1 61.5





#56

Isopropylbenzene

Concen: 4.249 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

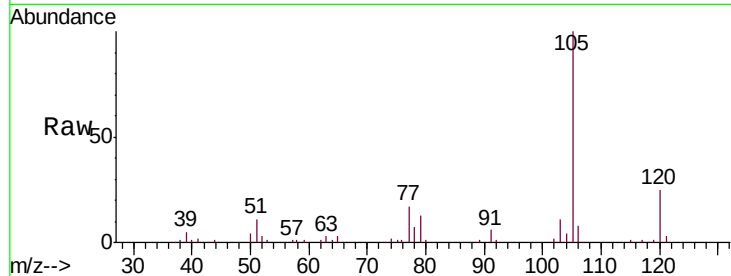
Tgt Ion: 105 Resp: 49648

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

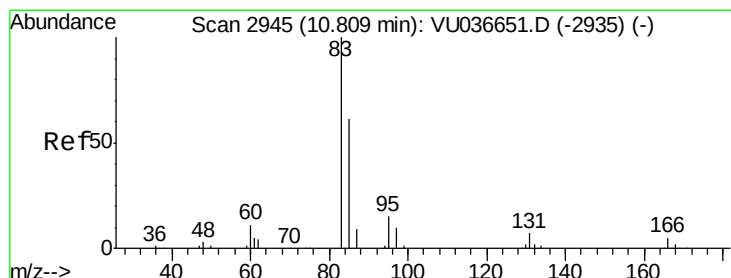
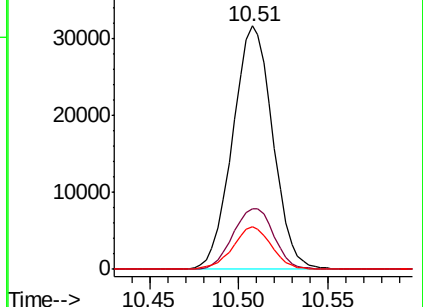
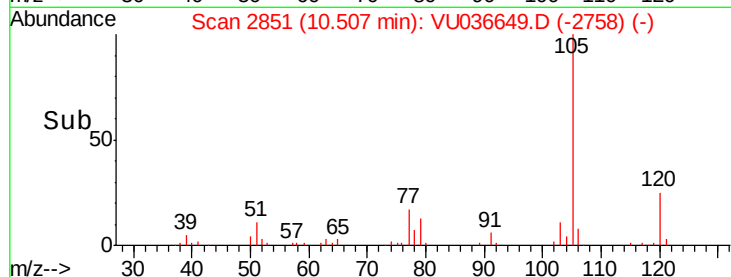
77 16.7 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.460 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

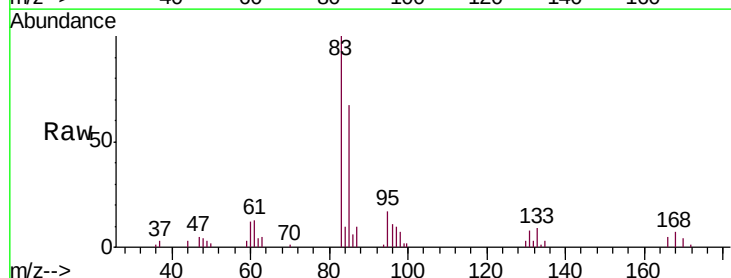
Tgt Ion: 83 Resp: 19540

Ion Ratio Lower Upper

83 100

85 67.1 44.3 82.3

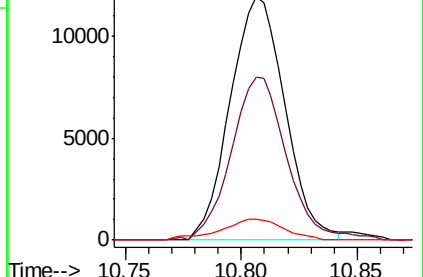
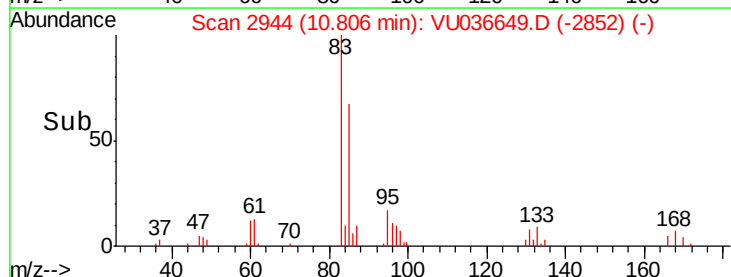
131 8.4 6.8 10.2

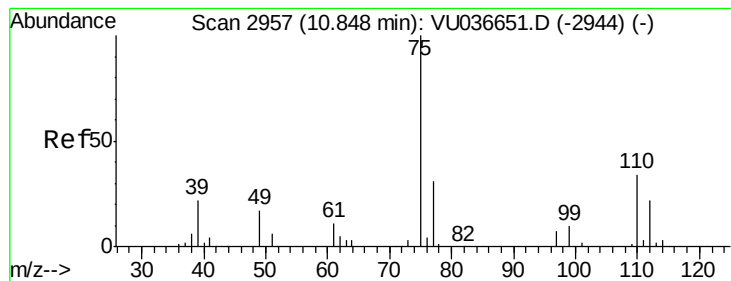


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.883 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

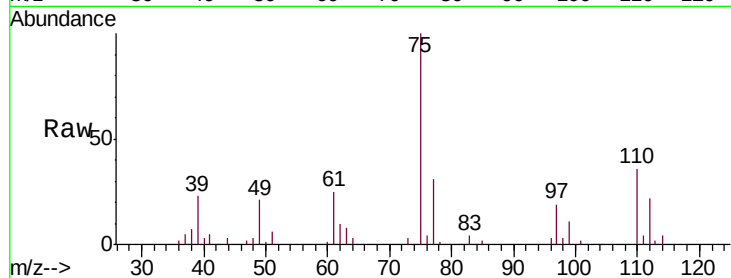
VSTD00536

Tgt Ion: 75 Resp: 16871

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU036651.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036651.D (-2944) (-)

10.85

12000

10000

8000

6000

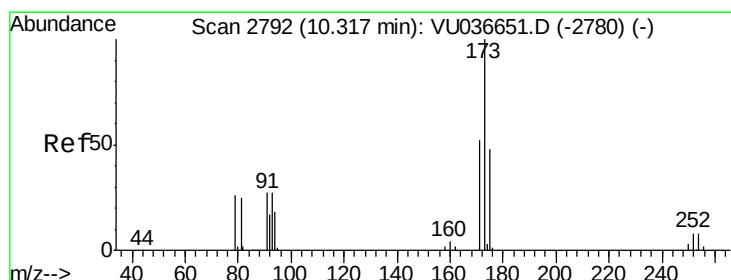
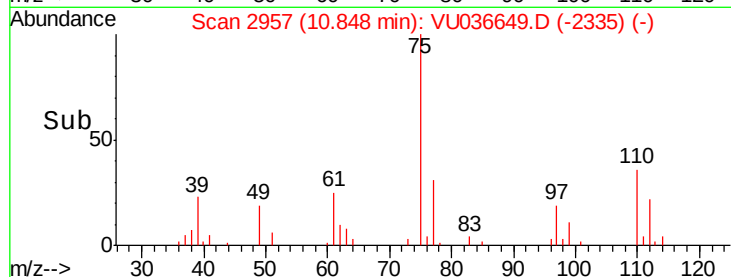
4000

2000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 4.020 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

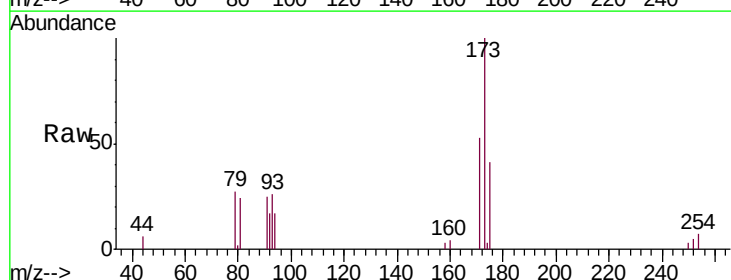
Tgt Ion: 173 Resp: 7548

Ion Ratio Lower Upper

173 100

175 45.1 38.6 58.0

254 6.6 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VU036651.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036651.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036651.D (-2780) (-)

10.32

6000

5000

4000

3000

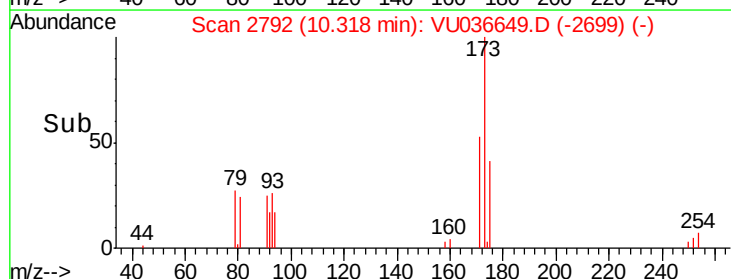
2000

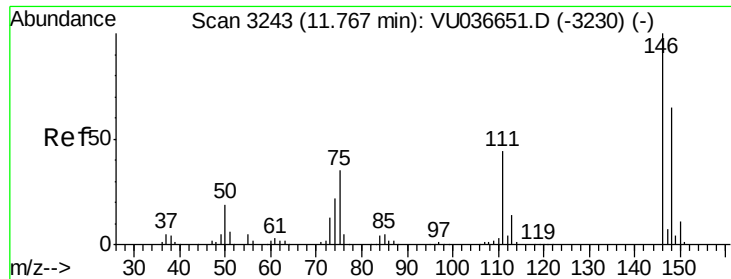
1000

0

10.30 10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.307 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

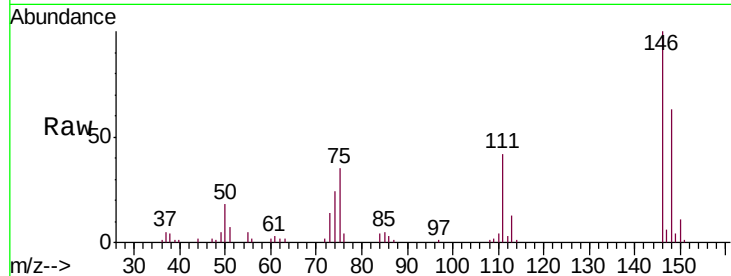
Tgt Ion:146 Resp: 20847

Ion Ratio Lower Upper

146 100

111 41.8 30.6 56.8

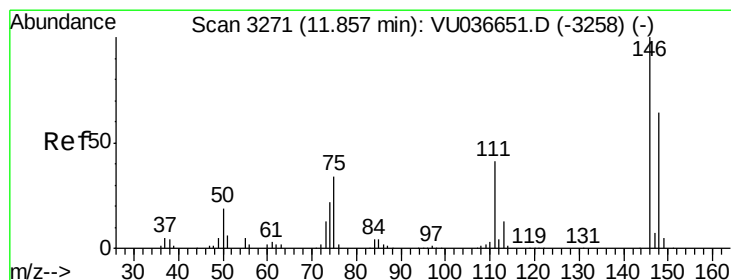
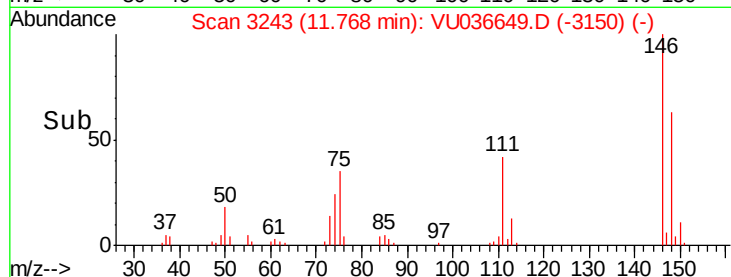
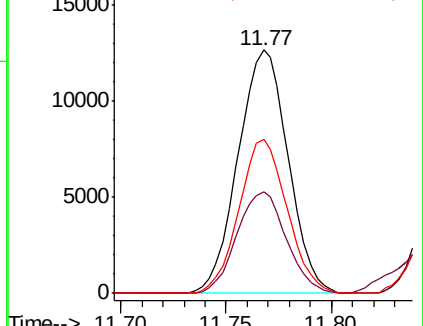
148 63.3 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.360 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

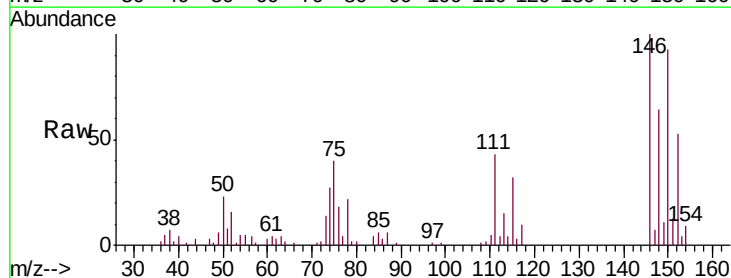
Tgt Ion:146 Resp: 20801

Ion Ratio Lower Upper

146 100

111 43.4 29.0 53.8

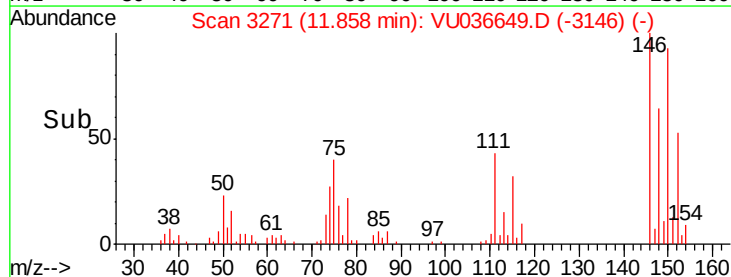
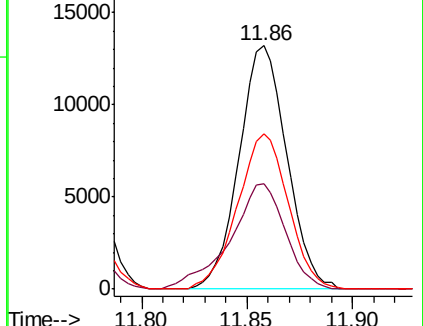
148 64.0 45.1 83.7

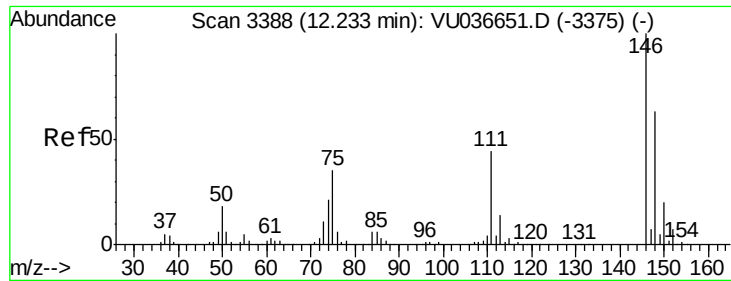


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.285 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

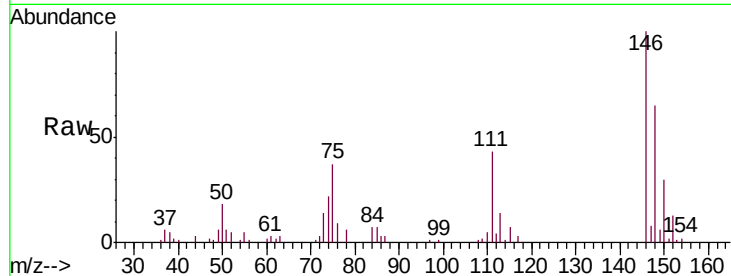
Tgt Ion:146 Resp: 21012

Ion Ratio Lower Upper

146 100

111 43.4 35.6 53.4

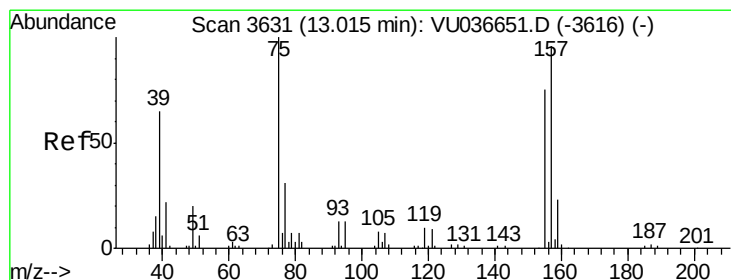
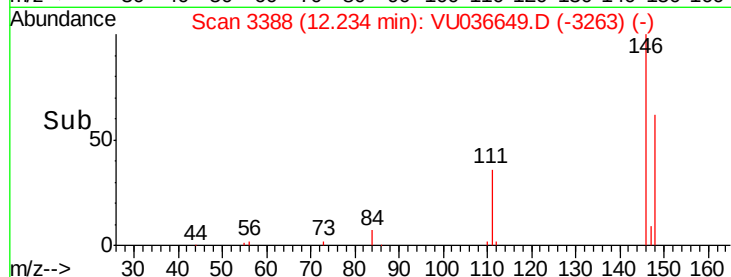
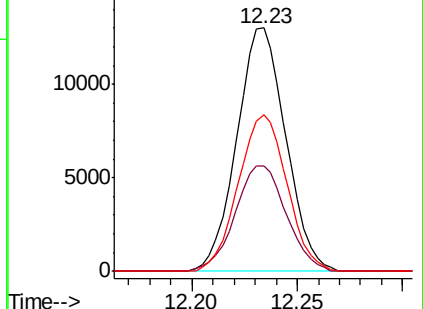
148 64.6 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): 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: 5.348 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

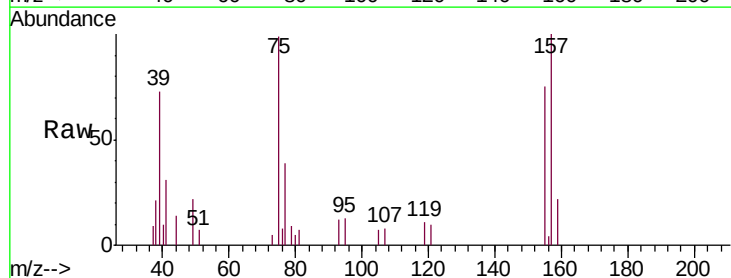
Tgt Ion: 75 Resp: 4367

Ion Ratio Lower Upper

75 100

155 76.3 60.2 90.4

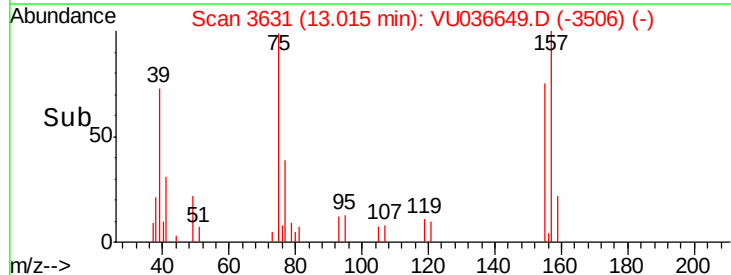
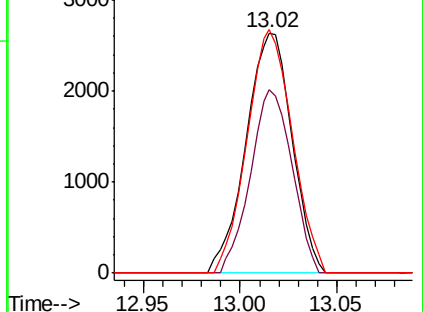
157 101.5 76.7 115.1

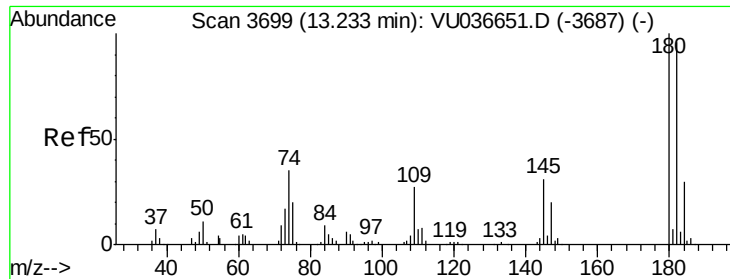


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

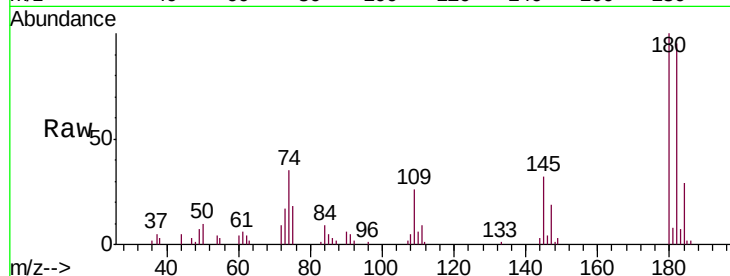




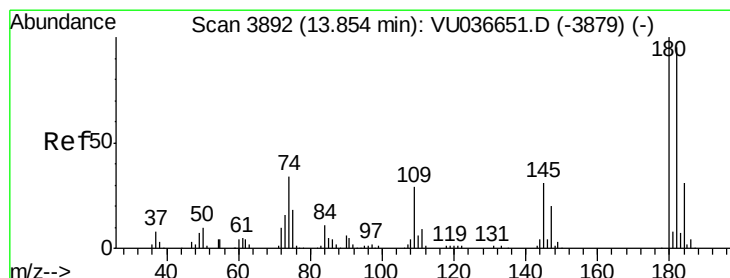
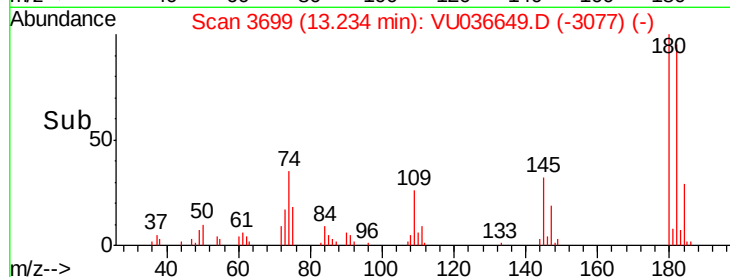
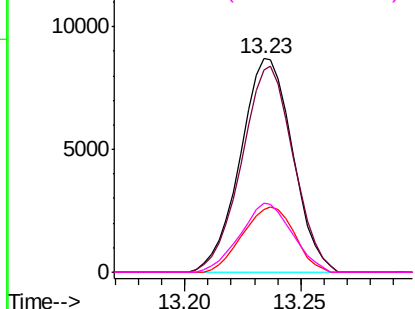
#67
 1,3,5-Trichlorobenzene
 Concen: 4.130 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion:180 Resp: 13634
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 184 30.1 24.0 36.0
 145 32.3 24.7 37.1

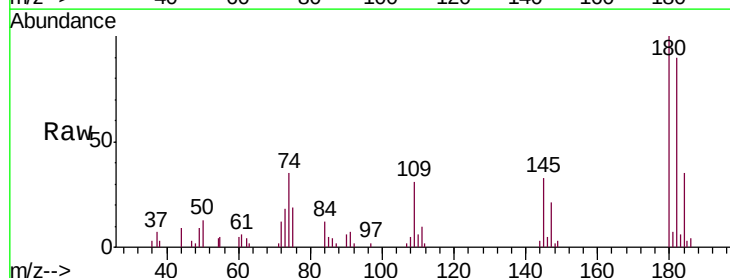


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

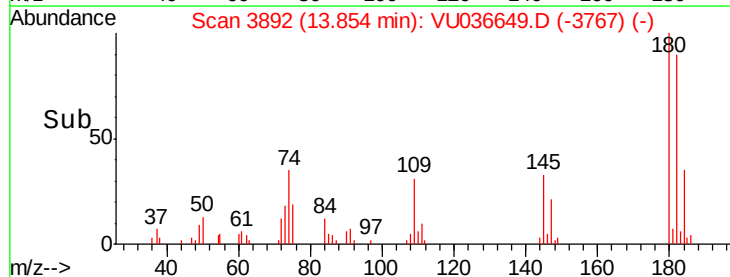
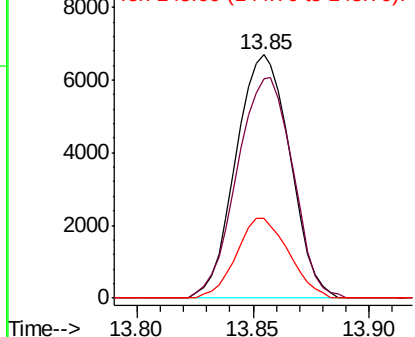


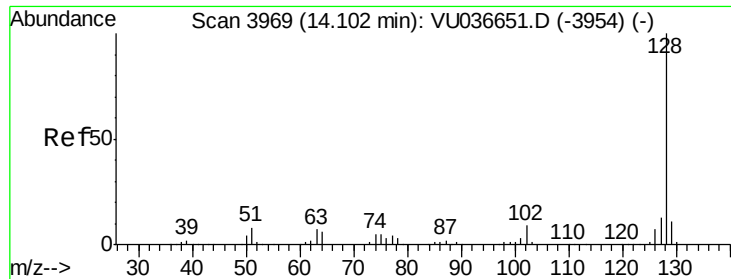
#68
 1,2,4-trichlorobenzene
 Concen: 4.519 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036649.D
 Acq: 31 Jan 2020 17:59

Tgt Ion:180 Resp: 10873
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.2 112.8
 145 31.7 25.6 38.4



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





#69

Naphthalene

Concen: 5.904 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

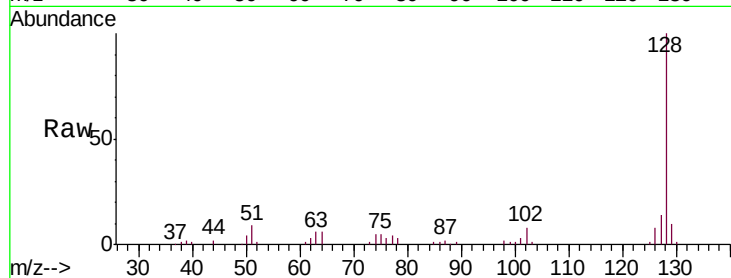
Tgt Ion:128 Resp: 44176

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

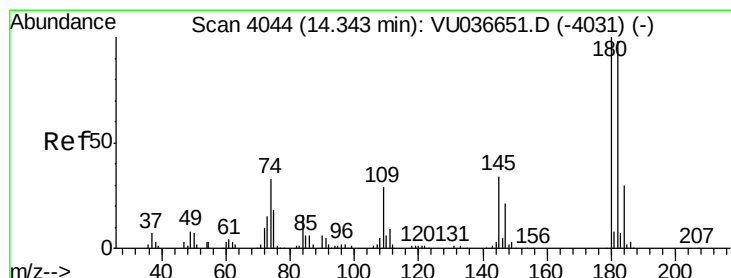
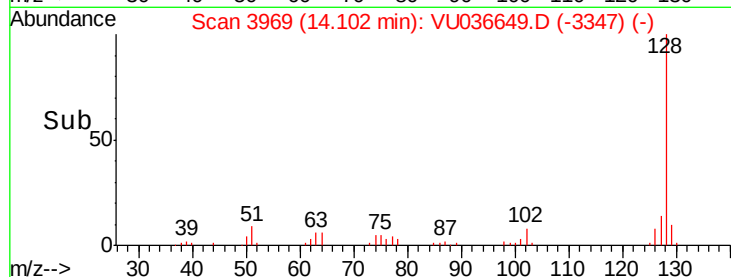
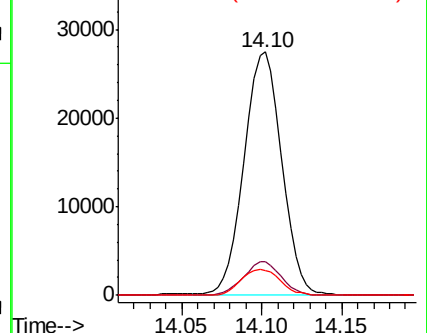
129 11.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.840 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036649.D

Acq: 31 Jan 2020 17:59

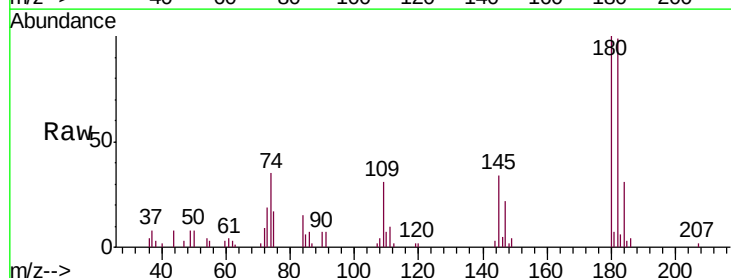
Tgt Ion:180 Resp: 12031

Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.0

145 32.9 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

