

Data File : VU036669.D
Acq On : 03 Feb 2020 11:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Feb 04 00:51:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	264380	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246247	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121686	50.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.98%
7) Chloroethane-d5	1.93	69	102822	52.98	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.96%
11) 1,1-Dichloroethene-d2	2.59	63	197420	52.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.68%
21) 2-Butanone-d5	4.68	46	173057	116.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	5.11	84	187990	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.75	65	123486	52.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.58%
32) Benzene-d6	5.77	84	401101	53.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.58%
36) 1,2-Dichloropropane-d6	6.73	67	130994	52.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.88%
41) Toluene-d8	7.93	98	366907	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%
43) trans-1,3-Dichloropropene-	8.21	79	53722	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.16%
47) 2-Hexanone-d5	8.67	63	150352	110.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.09%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	181492	52.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.24%
64) 1,2-Dichlorobenzene-d4	12.21	152	123381	53.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	106843	51.285	ug/L	99
3) Chloromethane	1.54	50	130831	51.368	ug/L	100
5) Vinyl chloride	1.62	62	137301	52.440	ug/L	97
6) Bromomethane	1.86	94	77162	58.937	ug/L	95
8) Chloroethane	1.95	64	83470	53.525	ug/L	98
9) Trichlorofluoromethane	2.16	101	150408	52.511	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	84961	51.508	ug/L	99
12) 1,1-Dichloroethene	2.61	96	88800	52.925	ug/L	93
13) Acetone	2.66	43	109806	87.016	ug/L	99
14) Carbon disulfide	2.82	76	269103	52.550	ug/L	99
15) Methyl Acetate	2.98	43	124049	53.990	ug/L	98
16) Methylene chloride	3.08	84	109612	51.981	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	94173	52.819	ug/L	96
18) Methyl tert-butyl Ether	3.41	73	335902	53.209	ug/L	99
19) 1,1-Dichloroethane	3.92	63	189450	53.101	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	110035	53.452	ug/L	100
22) 2-Butanone	4.75	43	180541	104.641	ug/L	99

Data File : VU036669.D
Acq On : 03 Feb 2020 11:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Feb 04 00:51:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49818	52.750	ug/L	98
25) Chloroform	5.13	83	187202	54.693	ug/L	100
27) 1,2-Dichloroethane	5.84	62	148013	52.896	ug/L	100
29) Cyclohexane	5.43	56	178572	53.710	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	150965	55.019	ug/L	99
31) Carbon tetrachloride	5.57	117	123849	55.632	ug/L	97
33) Benzene	5.82	78	425350	54.205	ug/L	100
34) Trichloroethene	6.58	95	107437	56.292	ug/L	98
35) Methylcyclohexane	6.80	83	170473	52.126	ug/L	99
37) 1,2-Dichloropropane	6.83	63	115792	54.435	ug/L	100
38) Bromodichloromethane	7.14	83	139720	54.627	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	153254	45.519	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	346278	107.791	ug/L	99
42) Toluene	8.00	91	453198	53.820	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	132685	44.639	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	102664	53.482	ug/L	99
46) Tetrachloroethene	8.58	164	70279	50.032	ug/L	99
48) 2-Hexanone	8.72	43	267094	107.328	ug/L	99
49) Dibromochloromethane	8.84	129	102697	54.362	ug/L	96
50) 1,2-Dibromoethane	8.95	107	109431	54.091	ug/L	99
51) Chlorobenzene	9.48	112	268128	53.506	ug/L	100
52) Ethylbenzene	9.60	91	496613	53.798	ug/L	100
53) m,p-Xylene	9.72	106	183988	54.040	ug/L	99
54) o-xylene	10.12	106	182092	53.092	ug/L	98
55) Styrene	10.14	104	310819	53.315	ug/L	100
56) Isopropylbenzene	10.51	105	476436	53.847	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	177574	51.292	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	151760	53.752	ug/L	99
61) Bromoform	10.32	173	74093	54.214	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	191680	52.711	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	192977	53.388	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	196985	53.846	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	43387	57.033	ug/L	99
67) 1,3,5-Trichlorobenzene	13.23	180	129587	52.935	ug/L	100
68) 1,2,4-trichlorobenzene	13.85	180	110480	54.273	ug/L	99
69) Naphthalene	14.10	128	421125	53.909	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	113078	53.677	ug/L	99

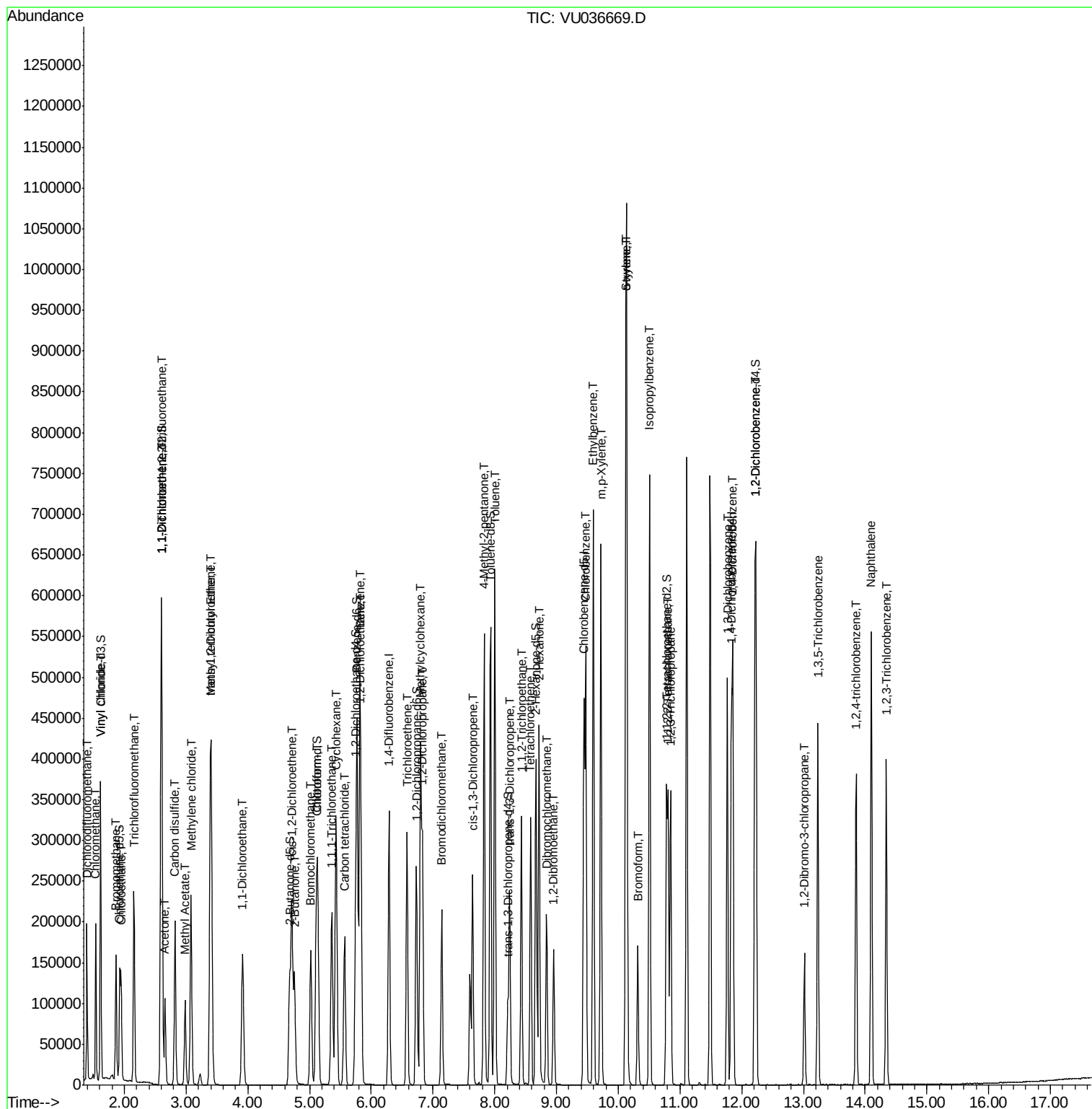
(#) = qualifier out of range (m) = manual integration (+) = signals summed

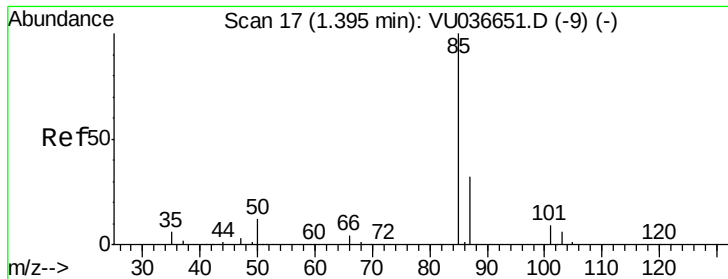
Data File : VU036669.D

```
Acq On       : 03 Feb 2020   11:44
Operator     : JC/MD
Sample       : VSTDCCC050
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Feb 04 00:51:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.285 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

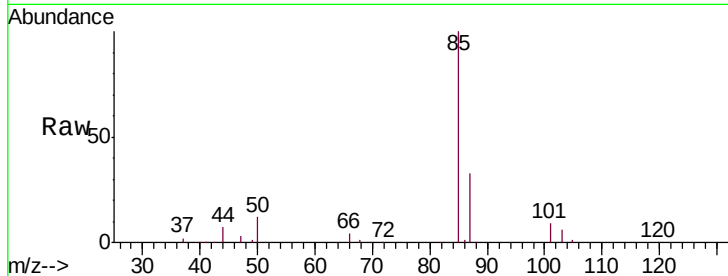
VSTD05053

Tgt Ion: 85 Resp: 106843

Ion Ratio Lower Upper

85 100

87 32.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036651.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036651.D (-9) (-)

1.39

120000

100000

80000

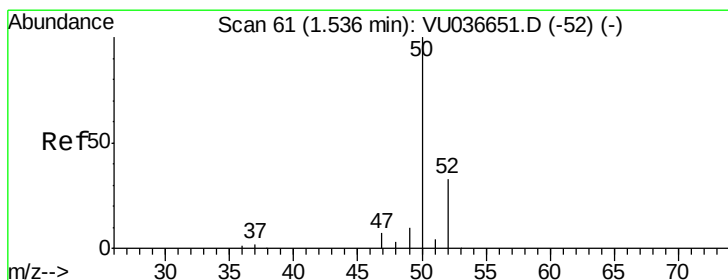
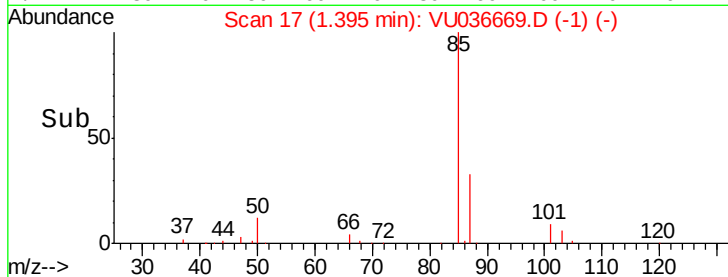
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 51.368 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036669.D

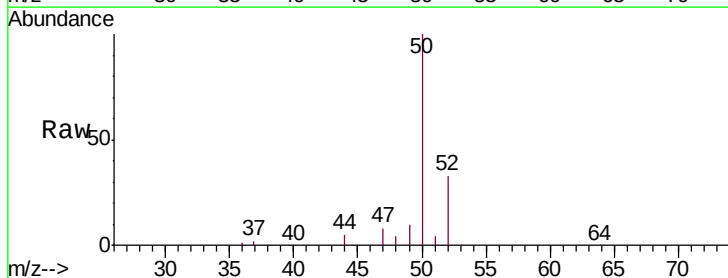
Acq: 03 Feb 2020 11:44

Tgt Ion: 50 Resp: 130831

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036651.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036651.D (-52) (-)

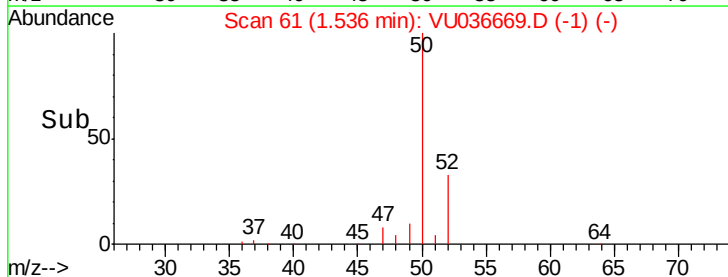
1.54

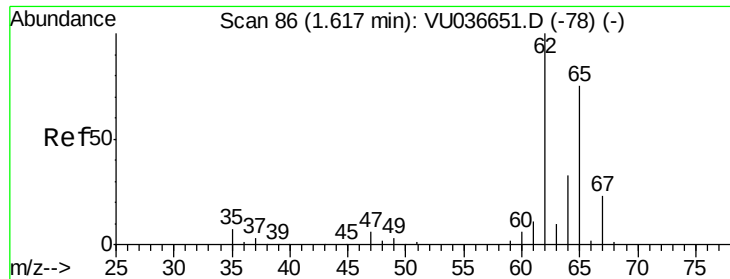
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.440 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

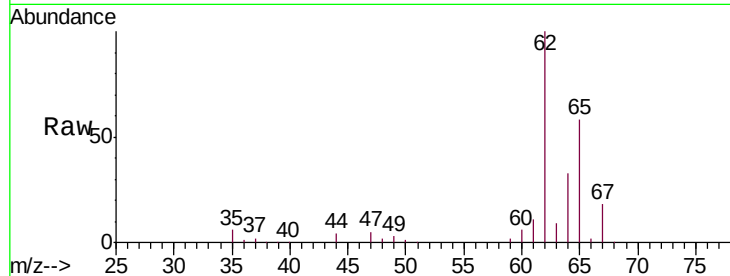
VSTD05053

Tgt Ion: 62 Resp: 137301

Ion Ratio Lower Upper

62 100

64 33.5 24.7 45.9



Abundance Ion 62.00 (61.70 to 62.70): VU036669.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036669.D (-1) (-)

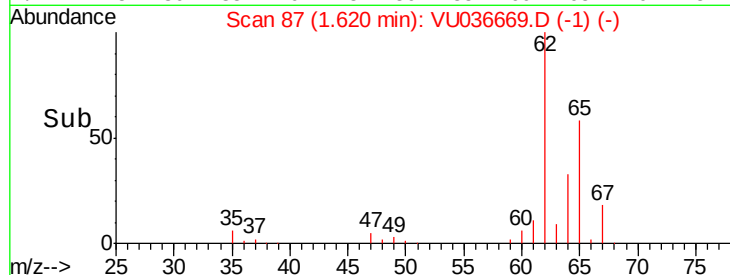
150000

100000

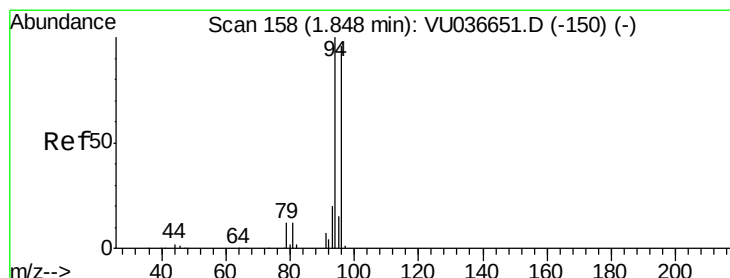
50000

0

Time-->



Time-->



#6

Bromomethane

Concen: 58.937 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU036669.D

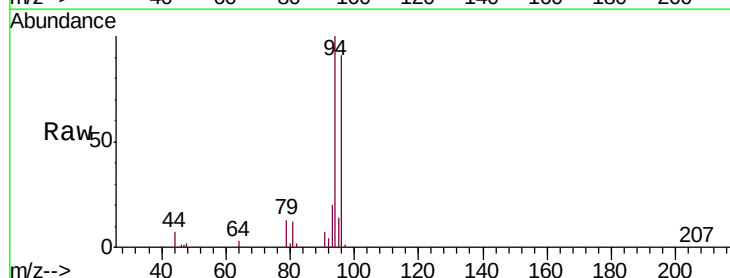
Acq: 03 Feb 2020 11:44

Tgt Ion: 94 Resp: 77162

Ion Ratio Lower Upper

94 100

96 91.2 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036669.D (-65) (-)

Ion 96.00 (95.70 to 96.70): VU036669.D (-65) (-)

60000

50000

40000

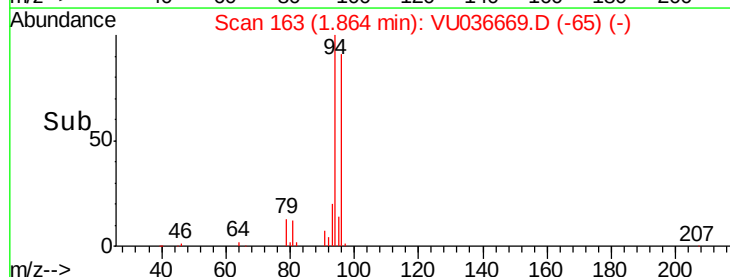
30000

20000

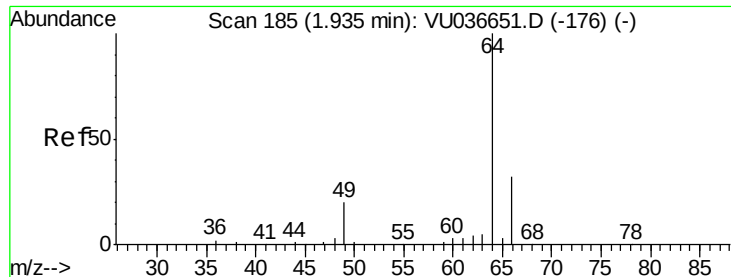
10000

0

Time-->



Time-->



#8

Chloroethane

Concen: 53.525 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

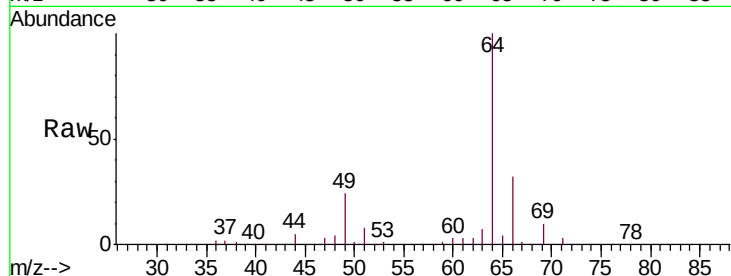
VSTD05053

Tgt Ion: 64 Resp: 83470

Ion Ratio Lower Upper

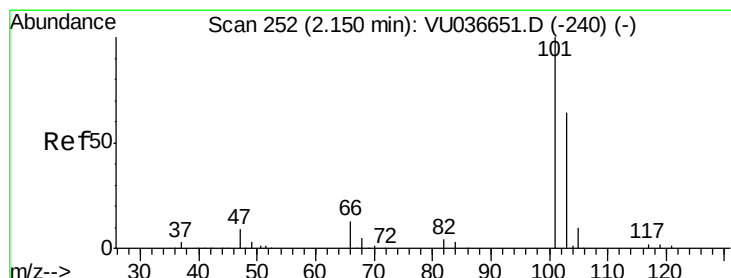
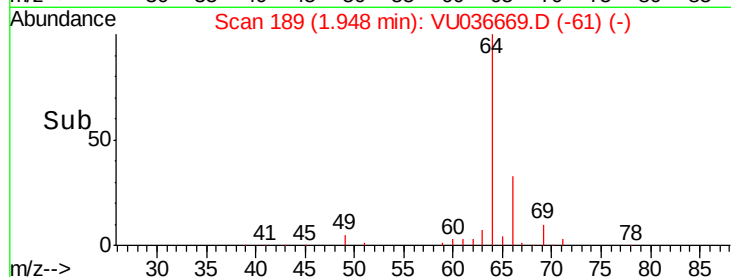
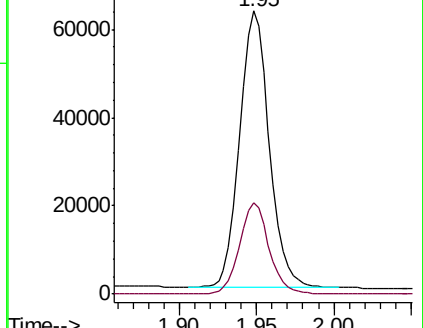
64 100

66 32.4 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU036669.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU036669.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 52.511 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.01 min

Lab File: VU036669.D

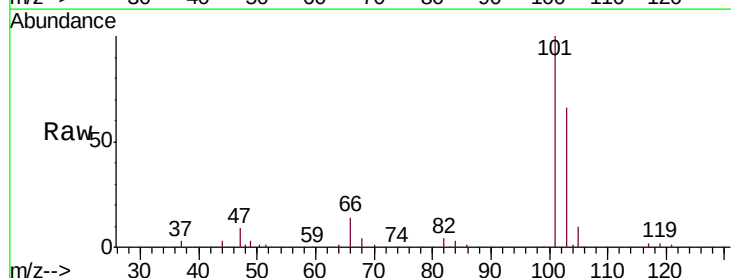
Acq: 03 Feb 2020 11:44

Tgt Ion: 101 Resp: 150408

Ion Ratio Lower Upper

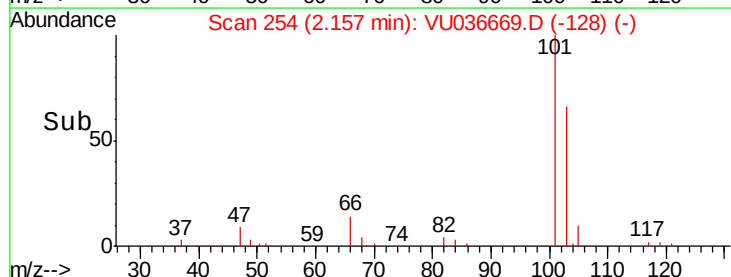
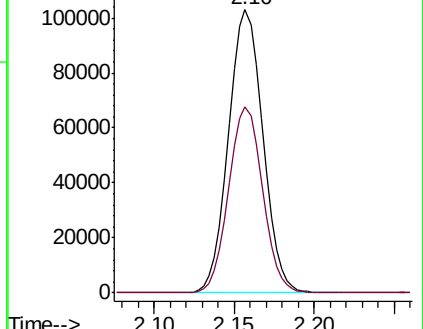
101 100

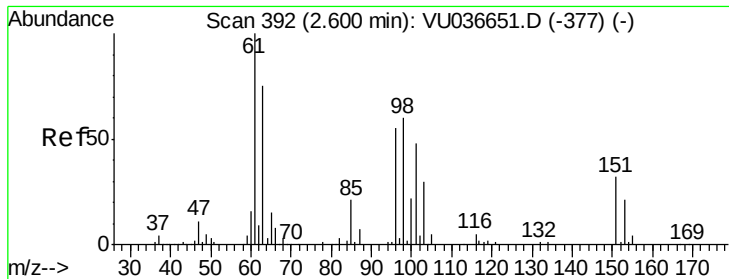
103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036669.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU036669.D (-240) (-)





#10

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

Concen: 51.508 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

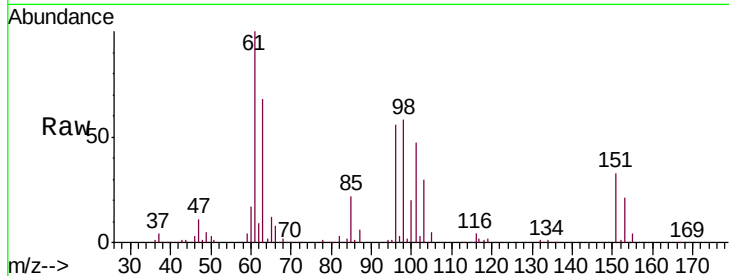
Tgt Ion:101 Resp: 84961

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.8

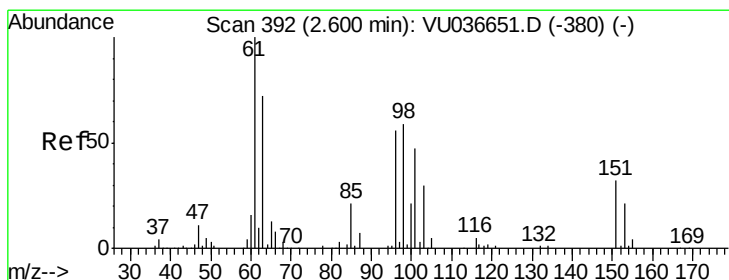
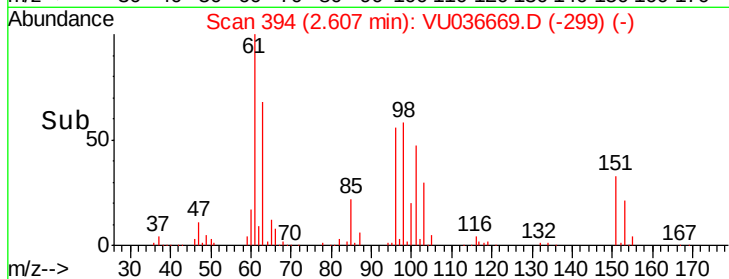
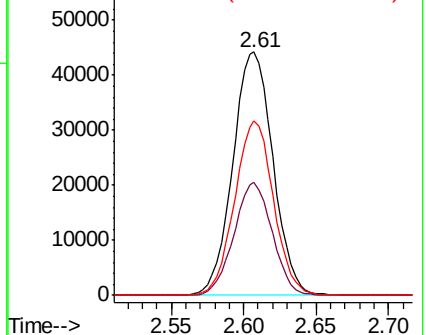
151 69.3 54.7 82.1



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: 52.925 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

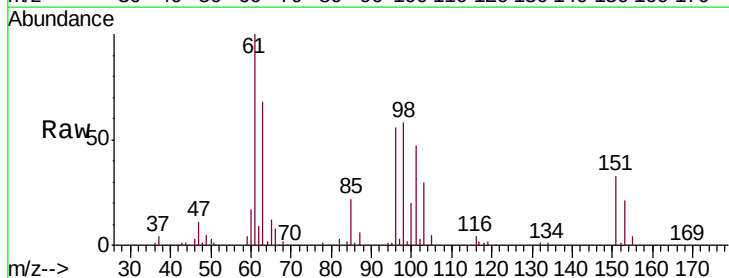
Tgt Ion: 96 Resp: 88800

Ion Ratio Lower Upper

96 100

61 177.6 126.8 235.4

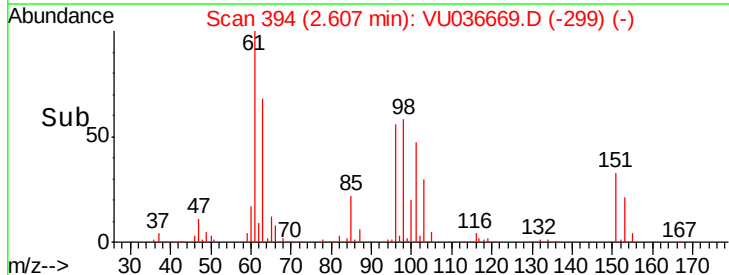
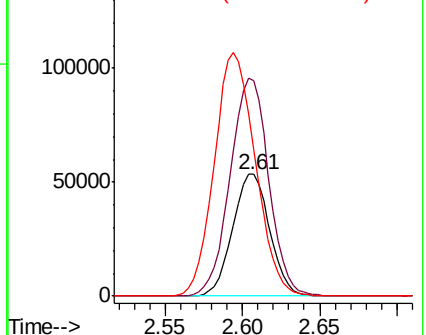
63 120.5 95.8 177.8

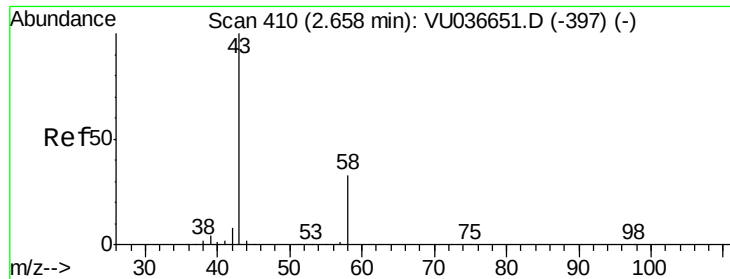


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.016 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

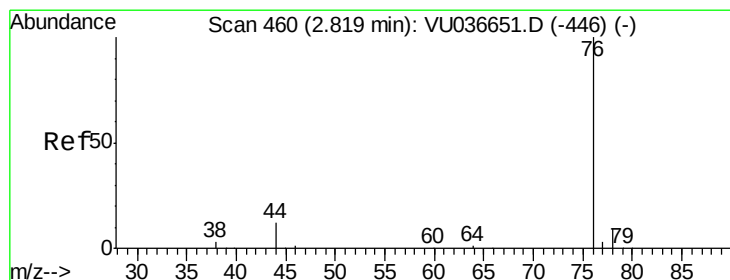
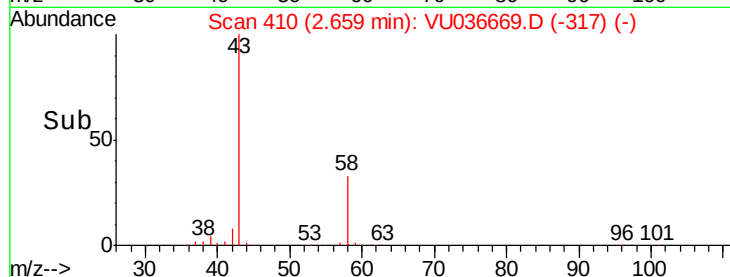
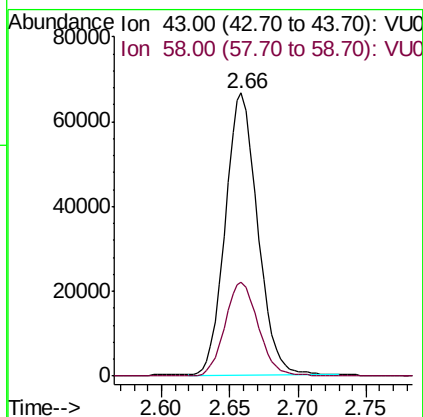
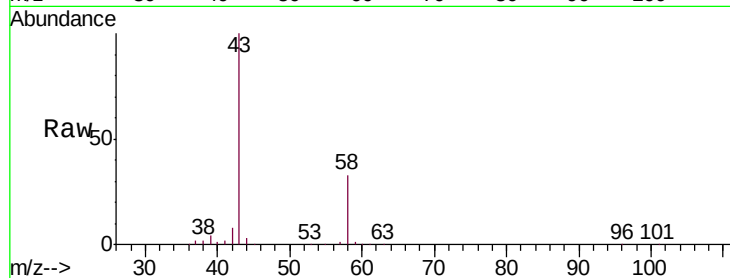
VSTD05053

Tgt Ion: 43 Resp: 109806

Ion Ratio Lower Upper

43 100

58 34.5 0.0 67.8



#14

Carbon disulfide

Concen: 52.550 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036669.D

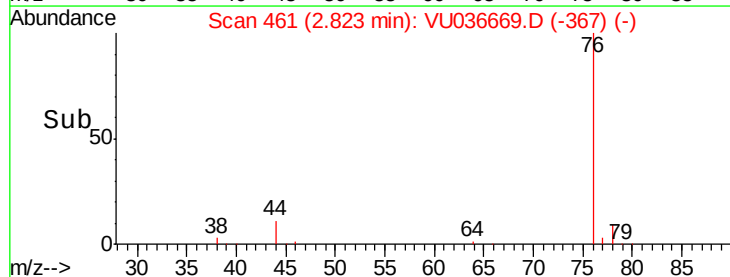
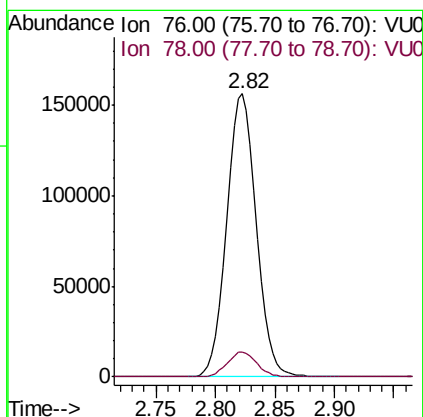
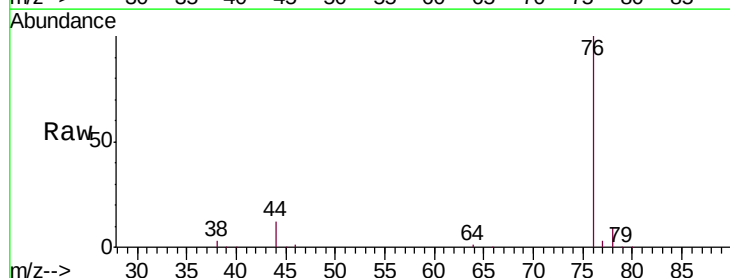
Acq: 03 Feb 2020 11:44

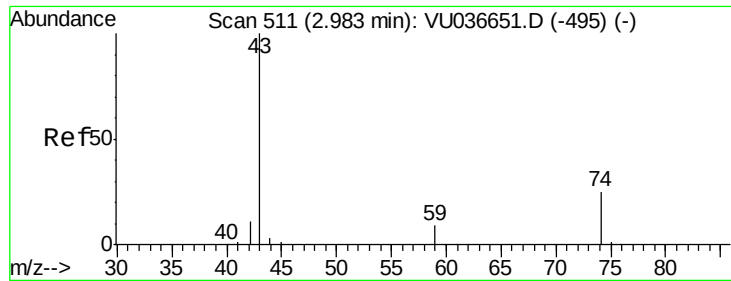
Tgt Ion: 76 Resp: 269103

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methyl Acetate

Concen: 53.990 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

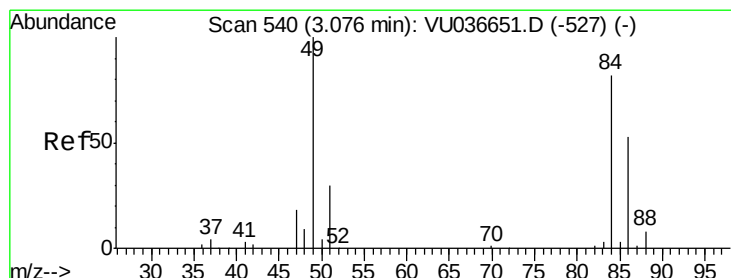
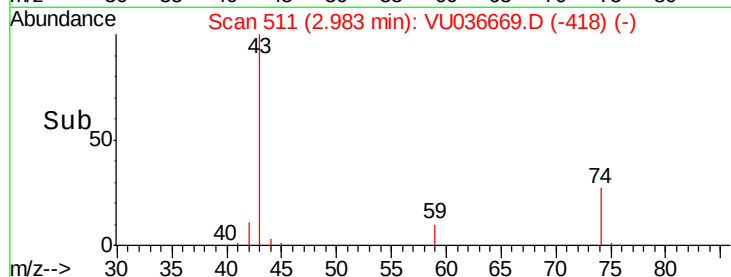
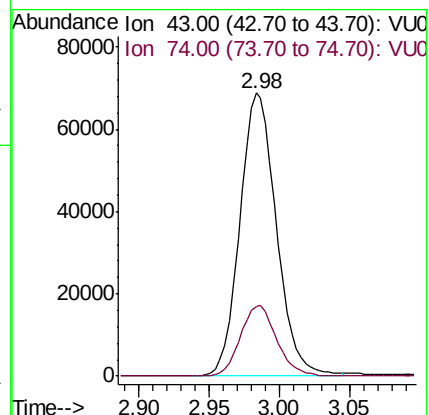
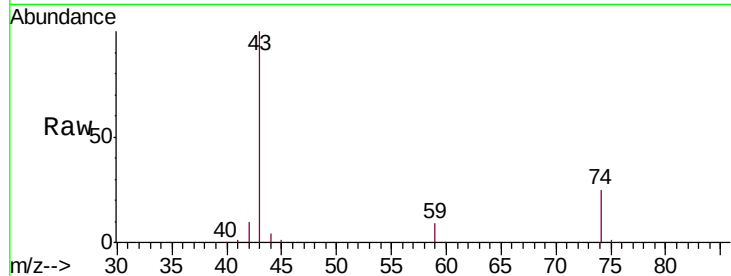
VSTD05053

Tgt Ion: 43 Resp: 124049

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



#16

Methylene chloride

Concen: 51.981 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

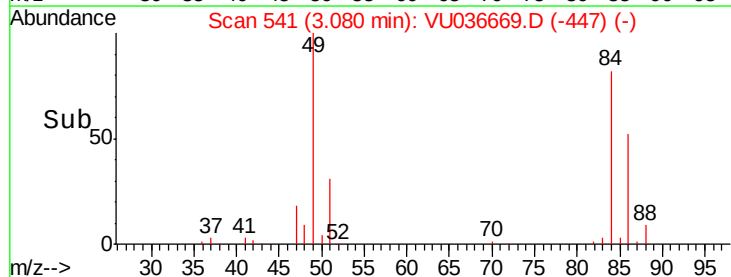
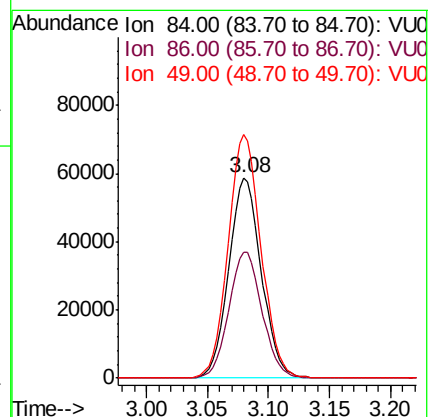
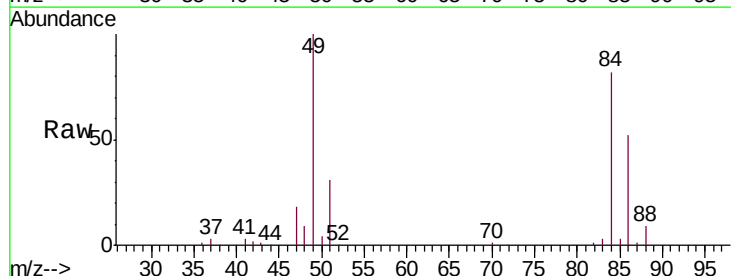
Tgt Ion: 84 Resp: 109612

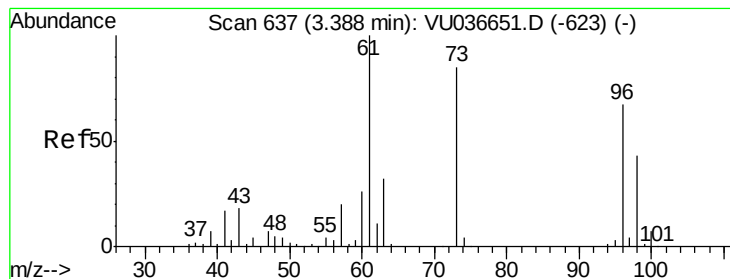
Ion Ratio Lower Upper

84 100

86 63.1 45.1 83.9

49 121.6 85.3 158.3





#17

trans-1,2-Dichloroethene

Concen: 52.819 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

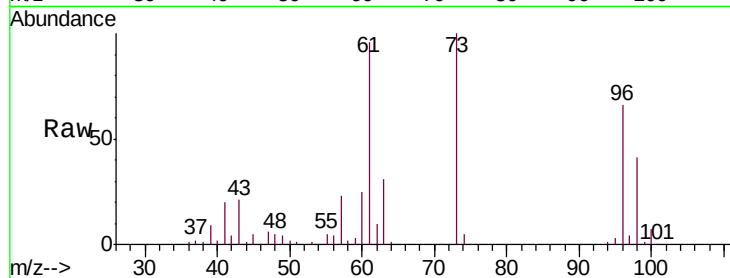
Tgt Ion: 96 Resp: 94173

Ion Ratio Lower Upper

96 100

61 144.2 104.2 193.6

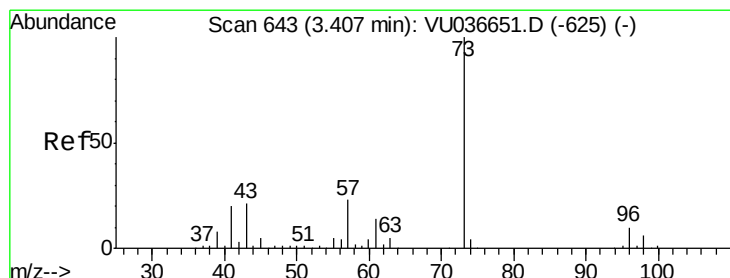
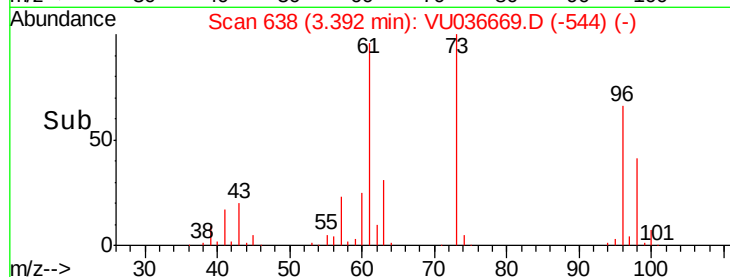
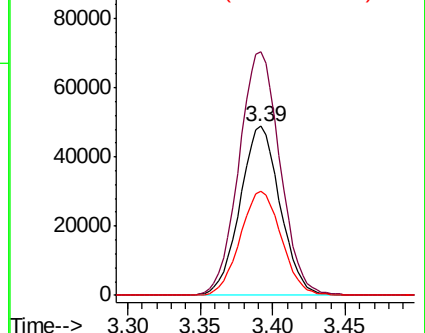
98 61.5 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU036669.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036669.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036669.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 53.209 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

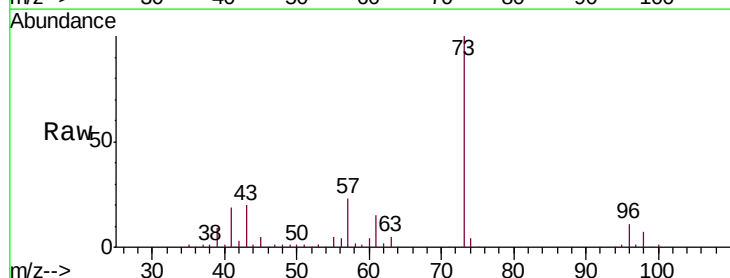
Tgt Ion: 73 Resp: 335902

Ion Ratio Lower Upper

73 100

43 20.3 16.6 24.8

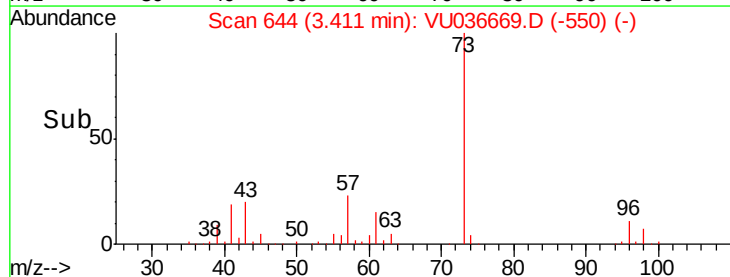
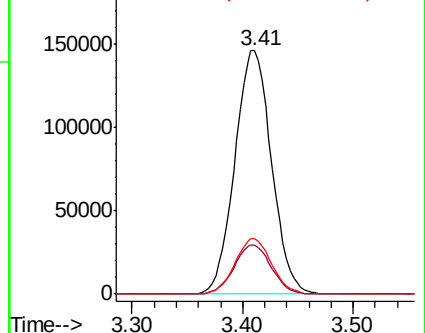
57 22.8 18.0 27.0

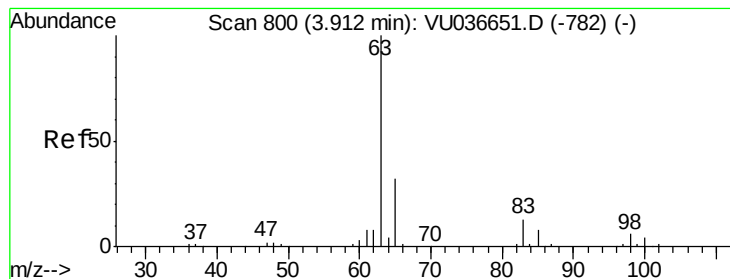


Abundance Ion 73.00 (72.70 to 73.70): VU036669.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036669.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036669.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 53.101 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

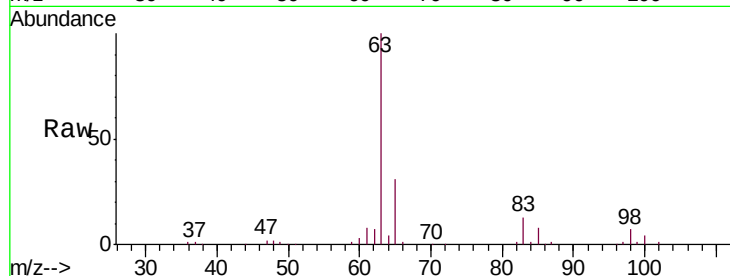
Tgt Ion: 63 Resp: 189450

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

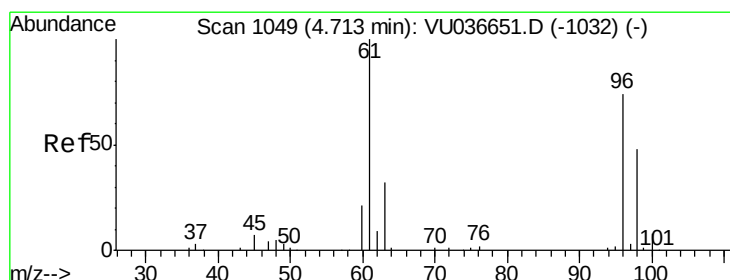
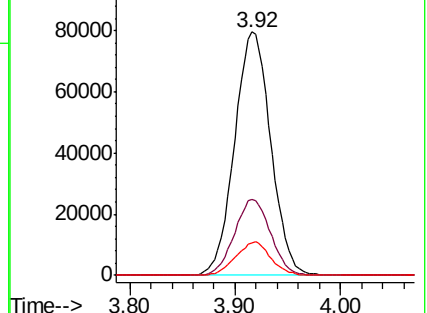
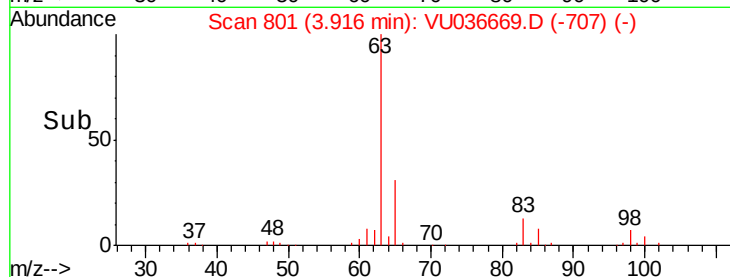
83 13.4 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU036669.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036669.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036669.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.452 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

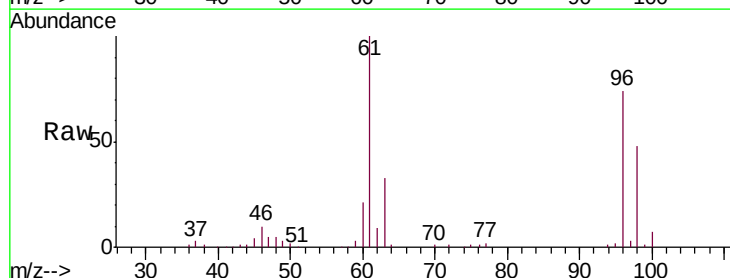
Tgt Ion: 96 Resp: 110035

Ion Ratio Lower Upper

96 100

61 135.1 94.9 176.3

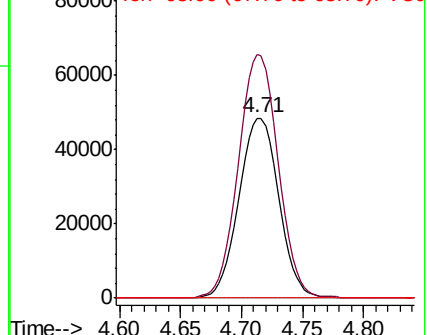
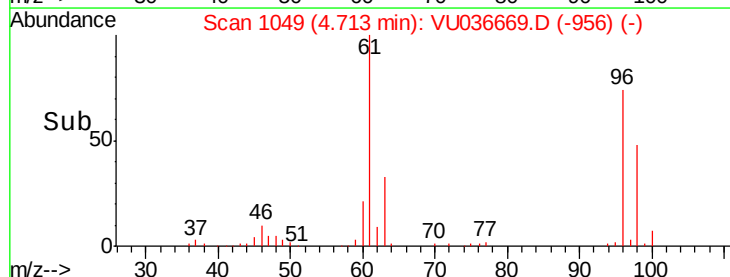
68 0.0 0.0 0.0

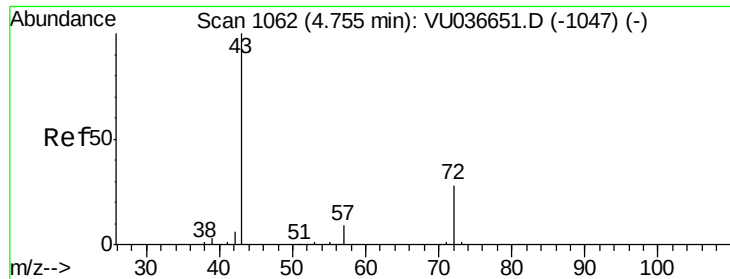


Abundance Ion 96.00 (95.70 to 96.70): VU036669.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036669.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036669.D (-956) (-)





#22

2-Butanone

Concen: 104.641 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

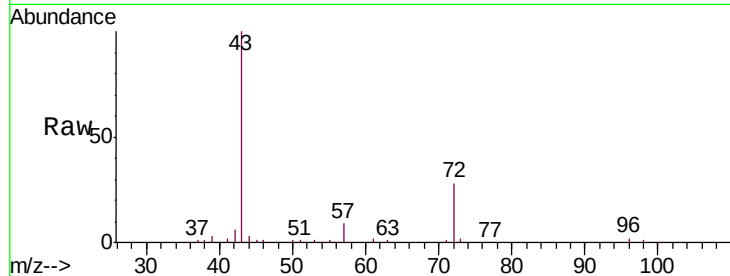
VSTD05053

Tgt Ion: 43 Resp: 180541

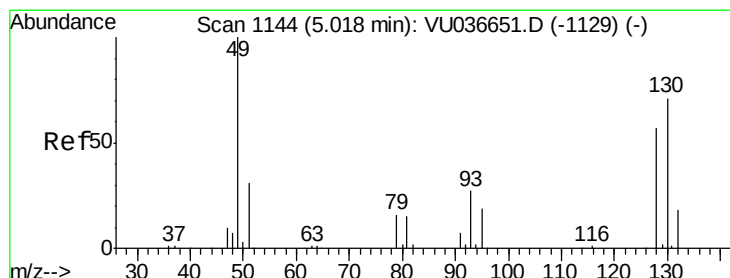
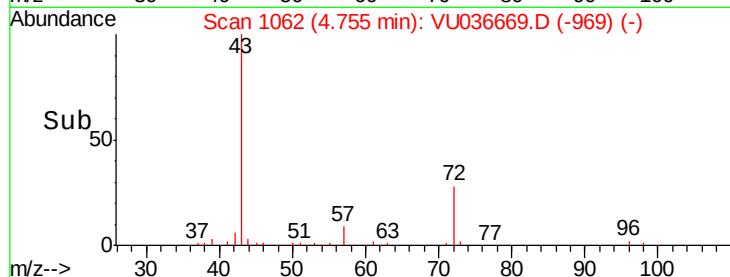
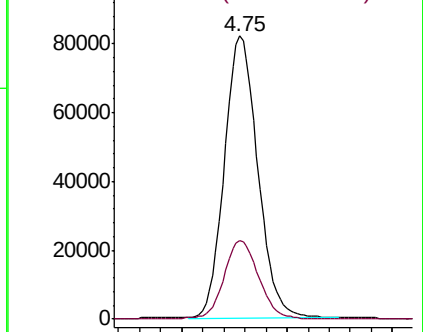
Ion Ratio Lower Upper

43 100

72 28.9 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036669.D (-969) (-)



#23

Bromochloromethane

Concen: 52.750 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Tgt Ion: 128 Resp: 49818

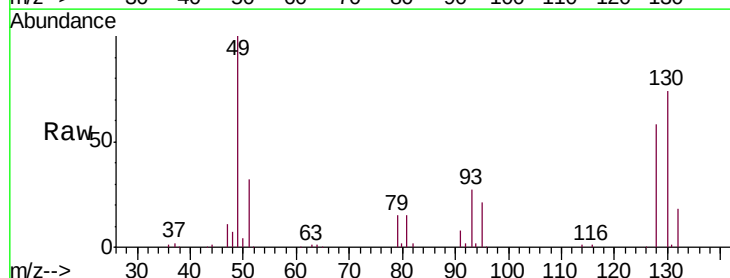
Ion Ratio Lower Upper

128 100

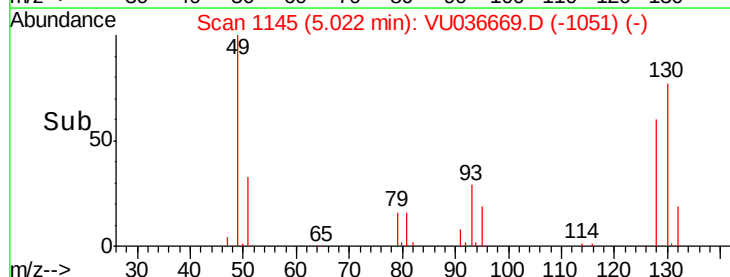
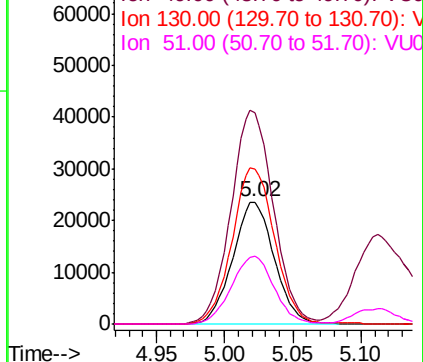
49 173.4 123.8 229.8

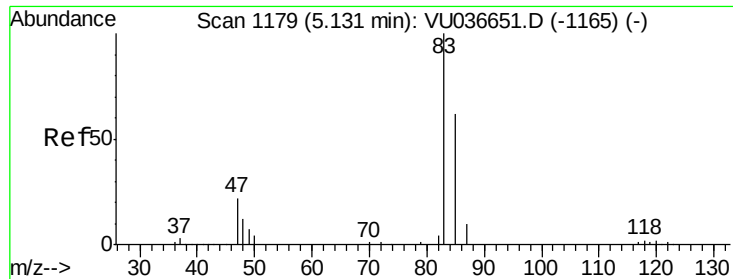
130 127.6 87.8 163.2

51 55.9 43.4 65.0



Abundance Ion 128.00 (127.70 to 128.70): VU036669.D (-1051) (-)

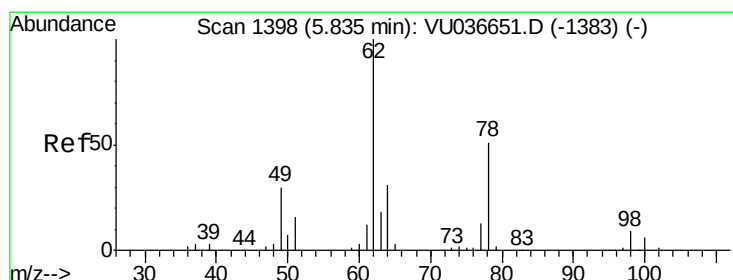
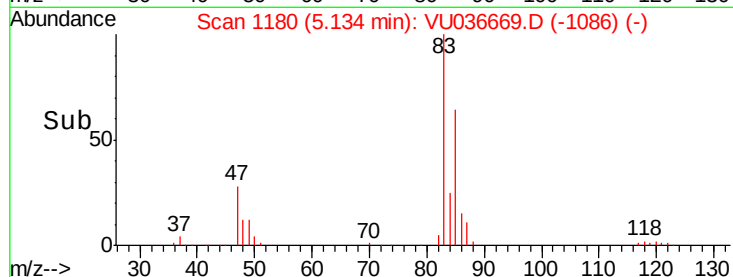
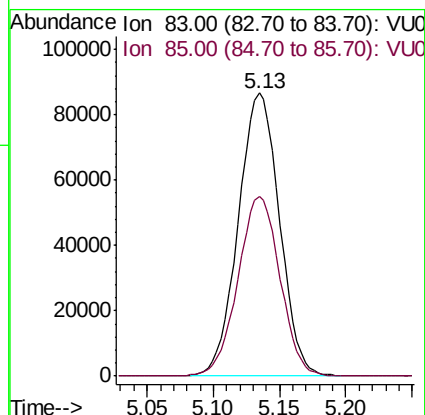
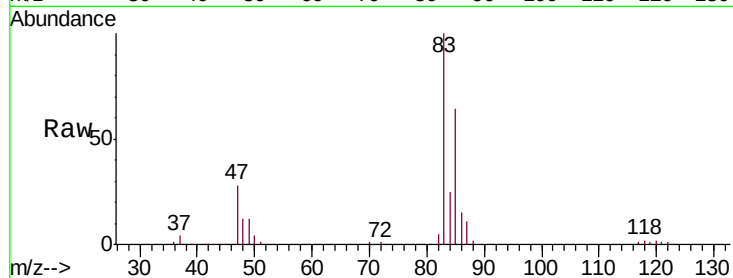




#25
Chloroform
Concen: 54.693 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

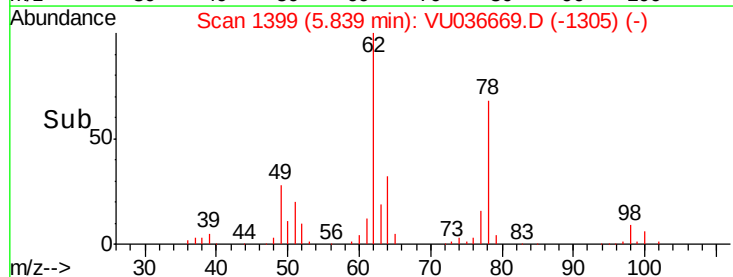
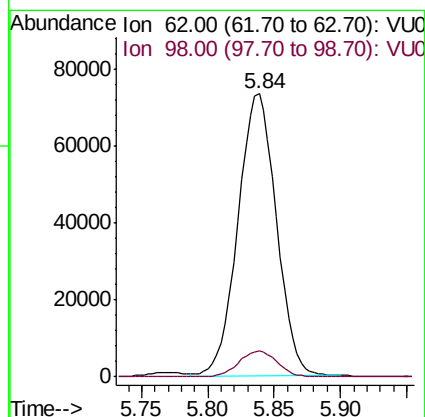
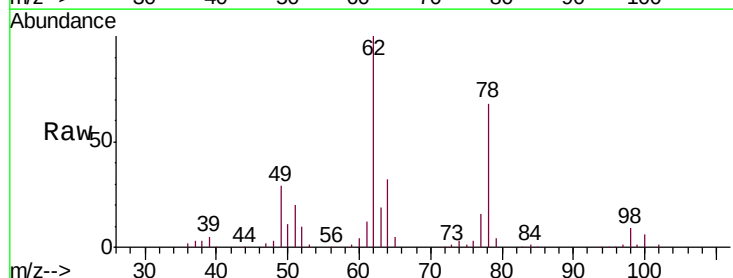
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

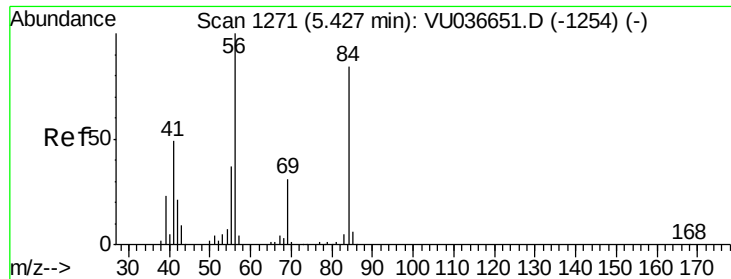
Tgt Ion: 83 Resp: 187202
Ion Ratio Lower Upper
83 100
85 63.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 52.896 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

Tgt Ion: 62 Resp: 148013
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

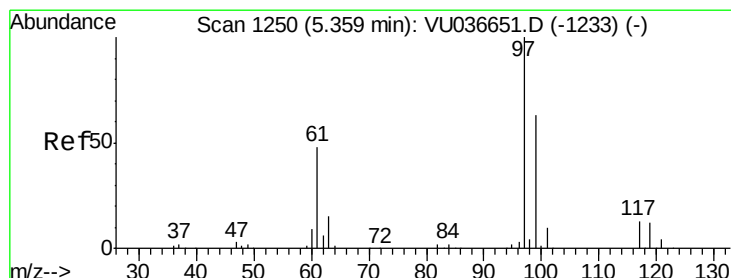
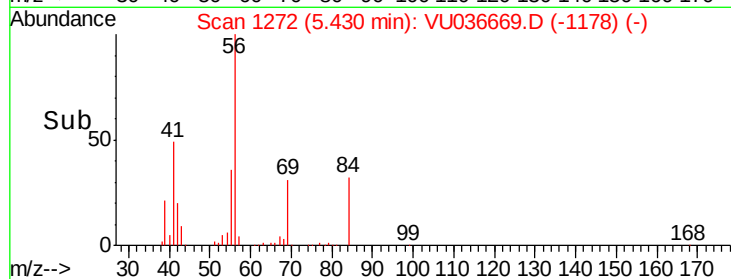
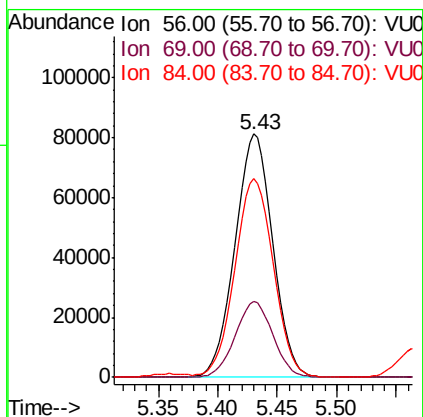
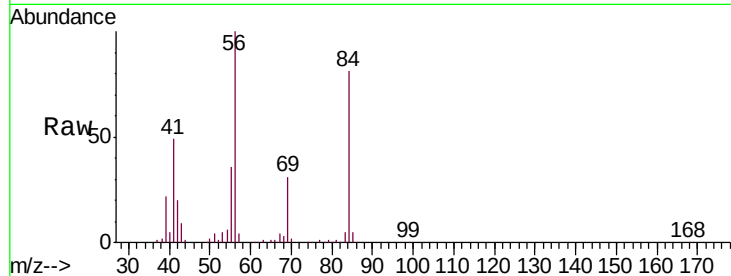




#29
Cyclohexane
Concen: 53.710 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

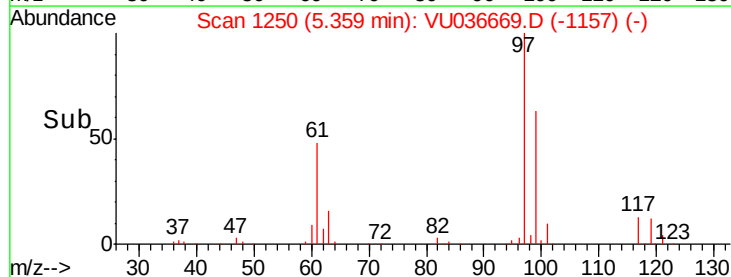
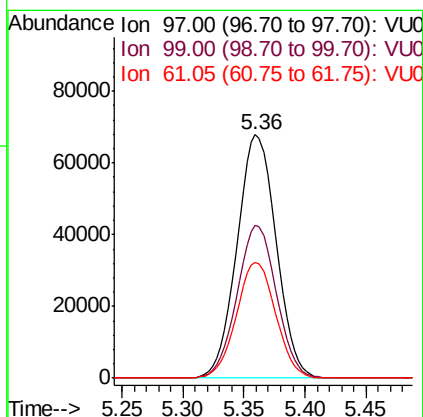
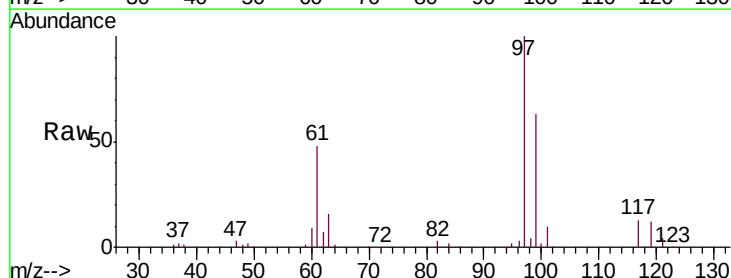
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

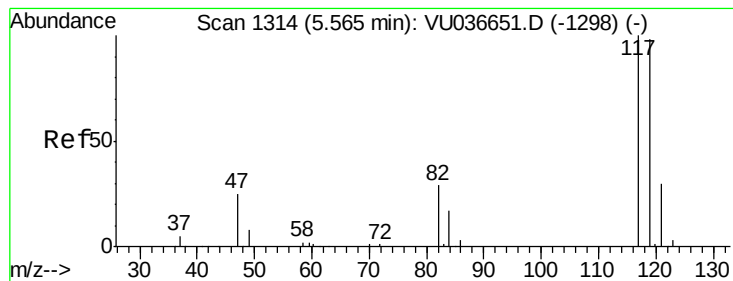
Tgt Ion: 56 Resp: 178572
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 83.6 66.2 99.2



#30
1,1,1-Trichloroethane
Concen: 55.019 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

Tgt Ion: 97 Resp: 150965
Ion Ratio Lower Upper
97 100
99 63.0 51.5 77.3
61 47.5 38.2 57.4





#31

Carbon tetrachloride

Concen: 55.632 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

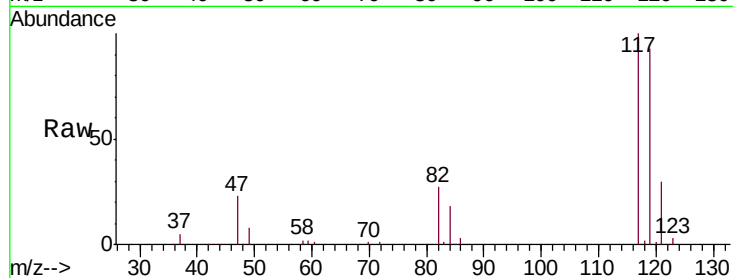
VSTD05053

Tgt Ion:117 Resp: 123849

Ion Ratio Lower Upper

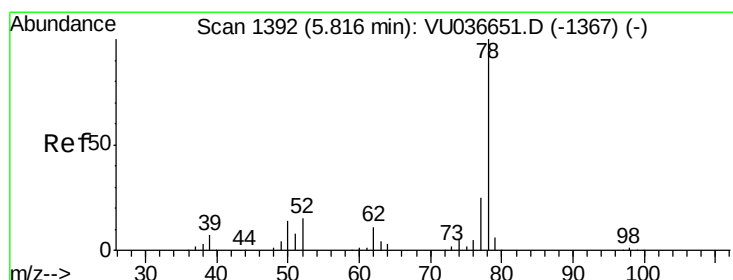
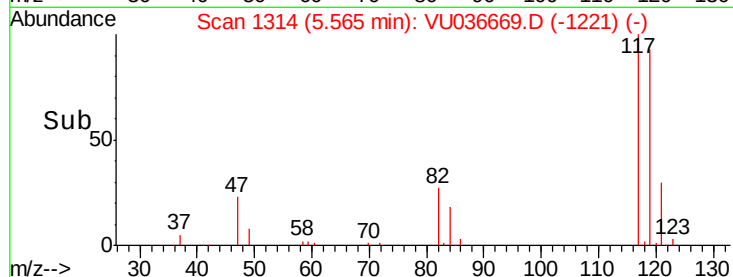
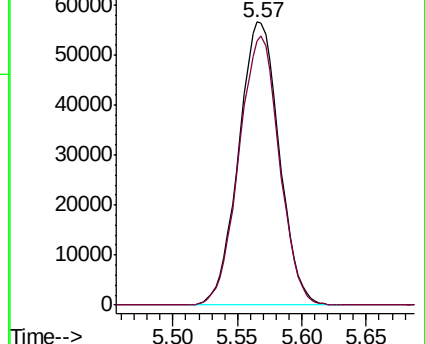
117 100

119 94.6 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: 54.205 ug/L

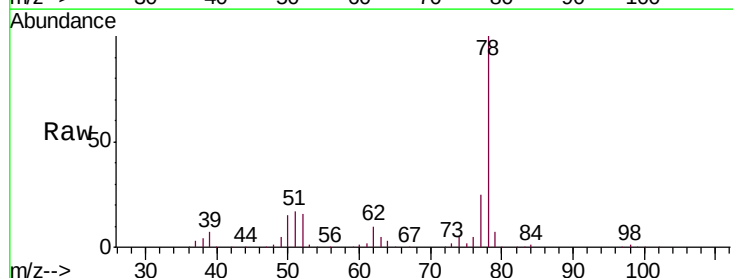
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

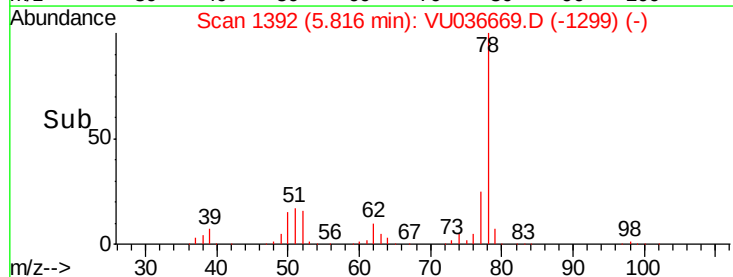
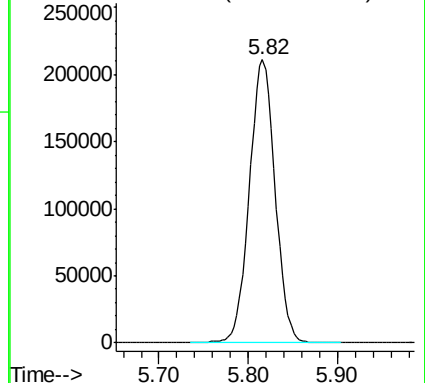
Lab File: VU036669.D

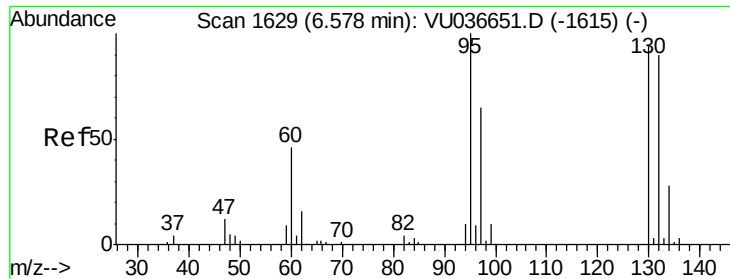
Acq: 03 Feb 2020 11:44

Tgt Ion: 78 Resp: 425350



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 56.292 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 107437

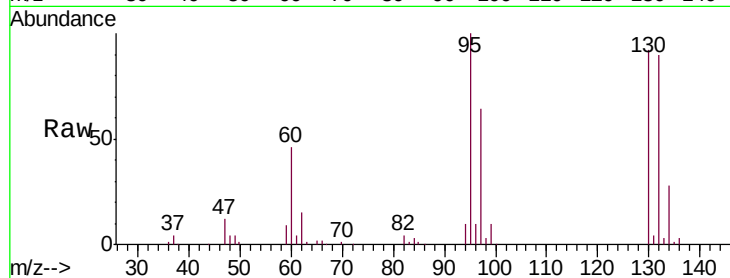
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.4

132 89.6 63.2 117.4

130 91.7 65.9 122.3

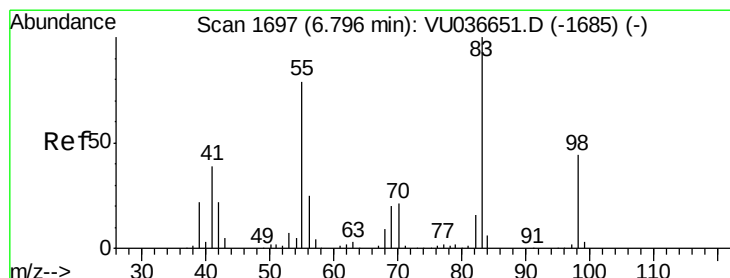
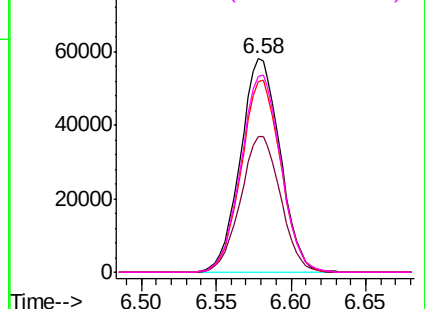
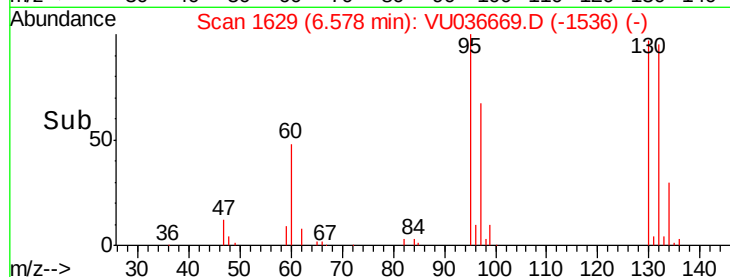


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.126 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

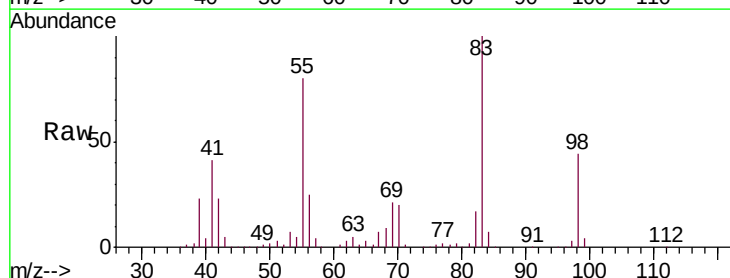
Tgt Ion: 83 Resp: 170473

Ion Ratio Lower Upper

83 100

55 78.2 63.1 94.7

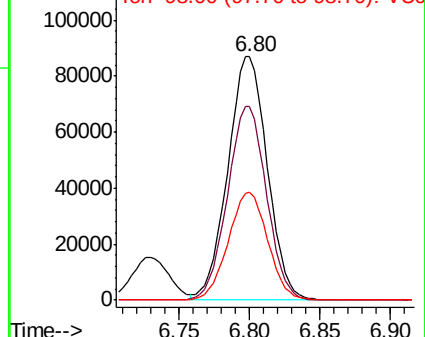
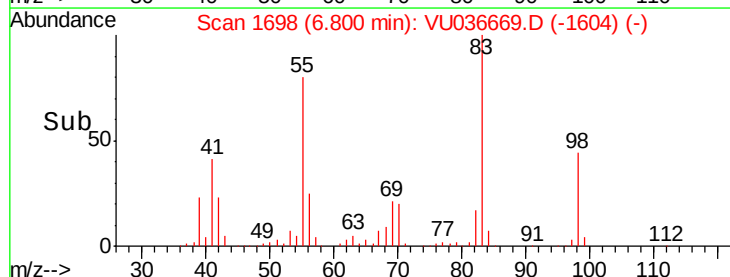
98 44.3 35.0 52.6

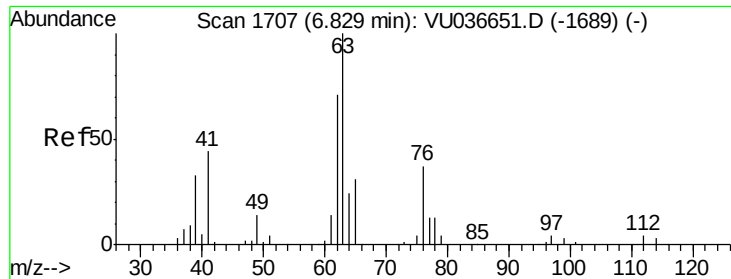


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

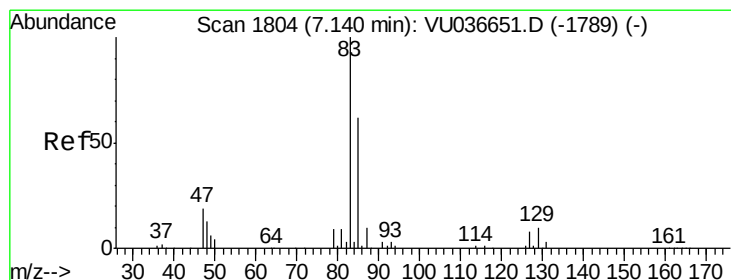
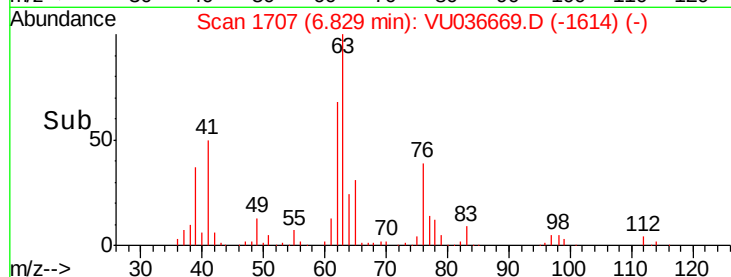
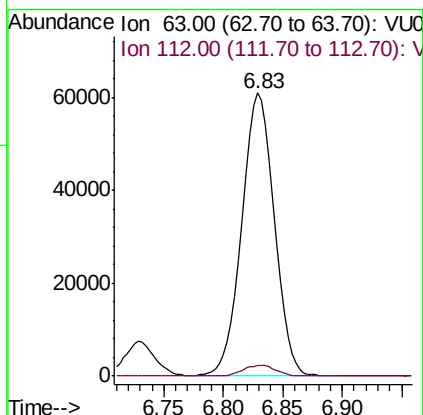
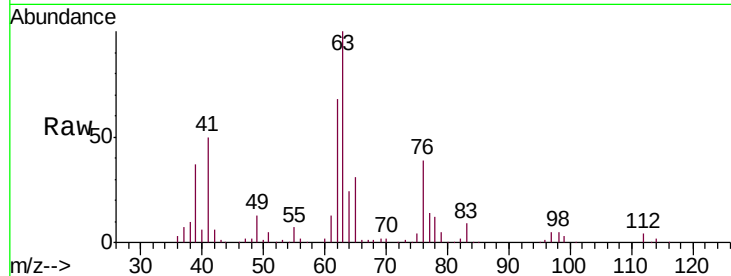




#37
 1,2-Dichloropropane
 Concen: 54.435 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

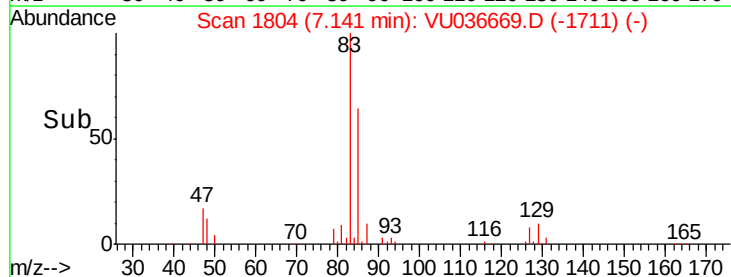
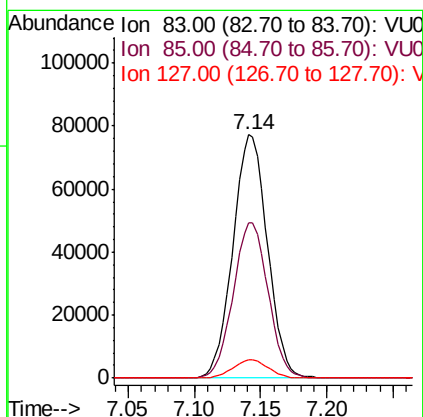
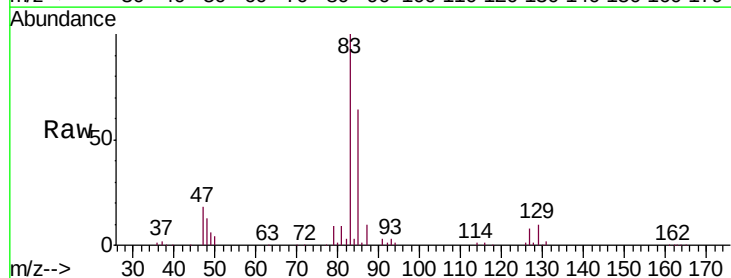
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

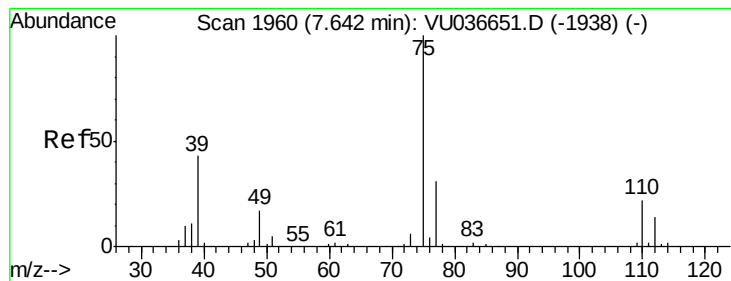
Tgt Ion: 63 Resp: 115792
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 54.627 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Tgt Ion: 83 Resp: 139720
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.2 80.2
 127 7.6 6.4 9.6



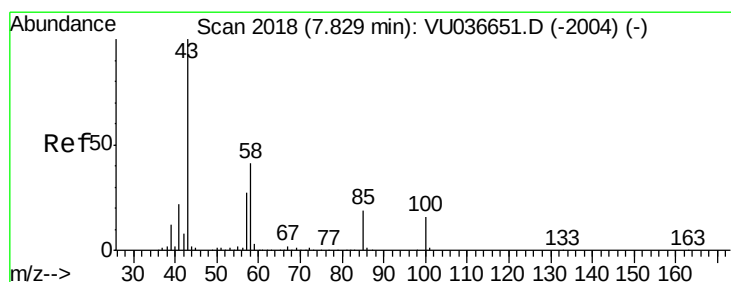
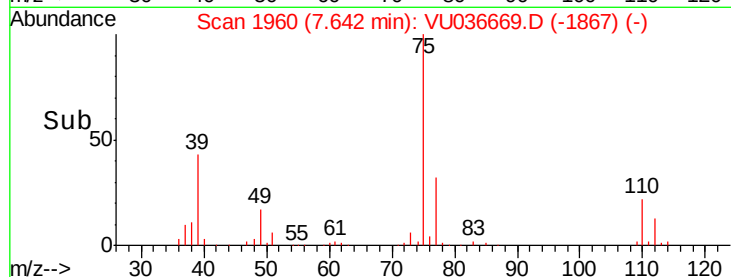
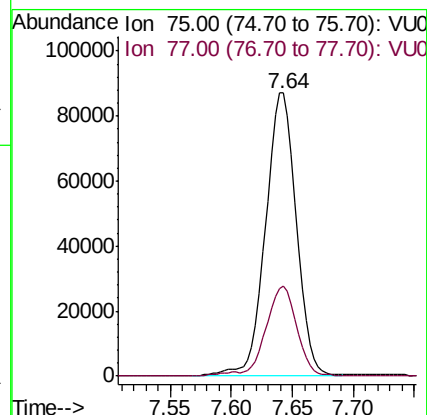
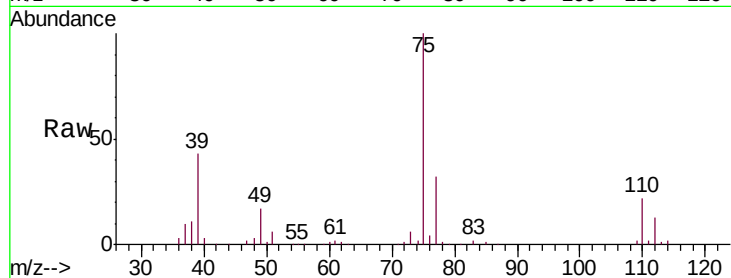


#39

cis-1,3-Dichloropropene
 Concen: 45.519 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

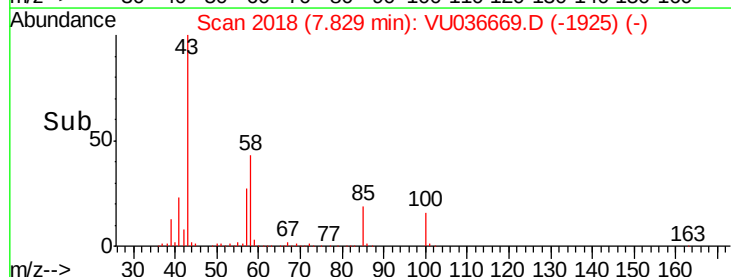
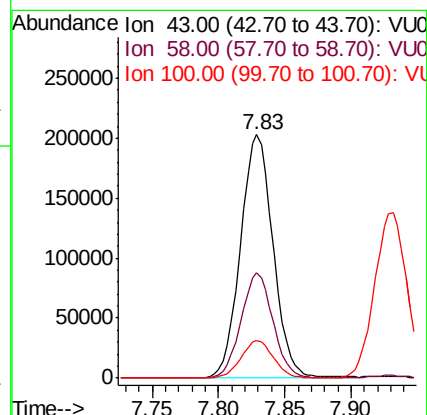
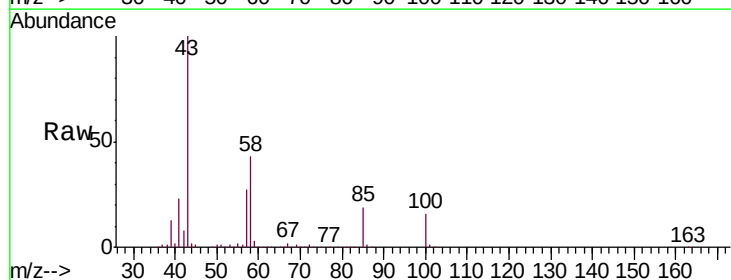
Tgt Ion: 75 Resp: 153254
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0

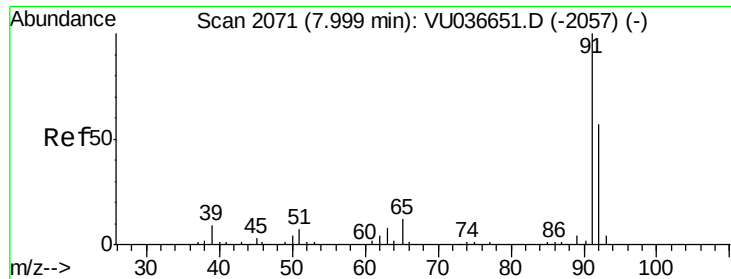


#40

4-Methyl-2-pentanone
 Concen: 107.791 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Tgt Ion: 43 Resp: 346278
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.3 49.9
 100 15.4 12.4 18.6





#42

Toluene

Concen: 53.820 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

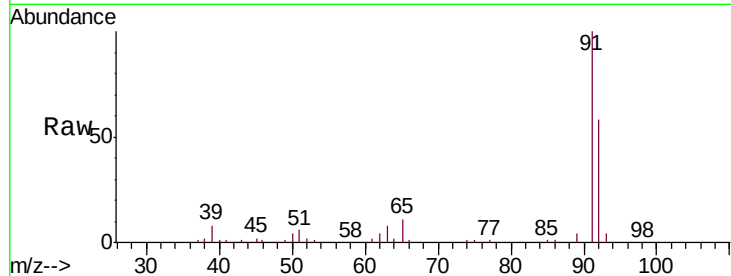
VSTD05053

Tgt Ion: 91 Resp: 453198

Ion Ratio Lower Upper

91 100

92 58.1 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

250000

200000

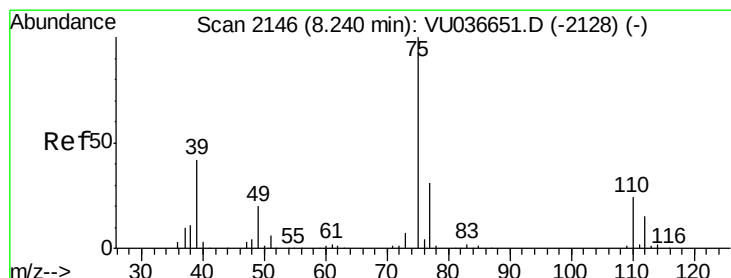
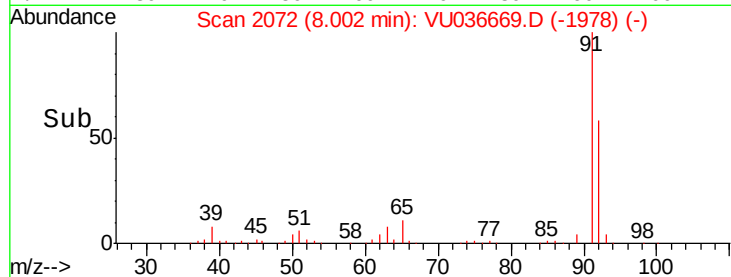
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.639 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036669.D

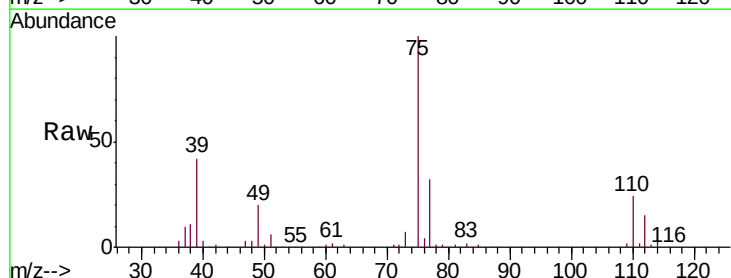
Acq: 03 Feb 2020 11:44

Tgt Ion: 75 Resp: 132685

Ion Ratio Lower Upper

75 100

77 32.1 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

80000

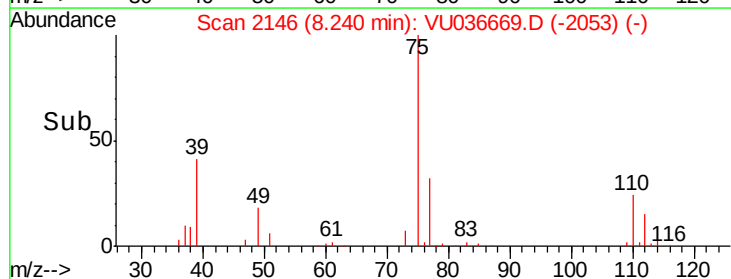
60000

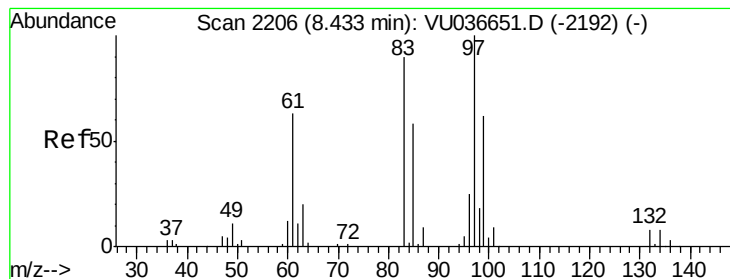
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.482 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 97 Resp: 102664

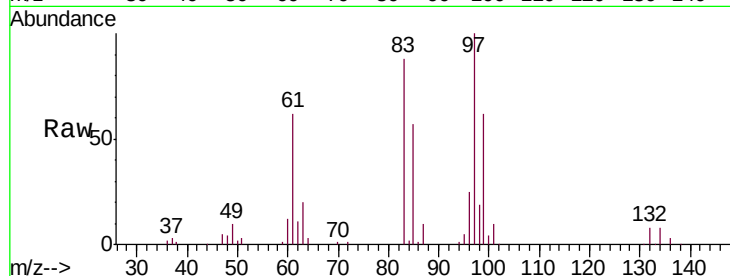
Ion Ratio Lower Upper

97 100

99 62.4 43.4 80.6

83 88.4 63.0 117.0

85 56.7 40.3 74.9

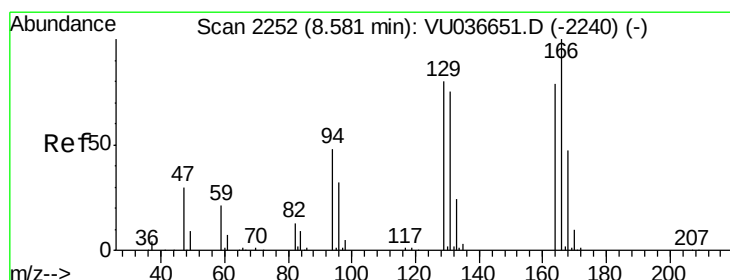
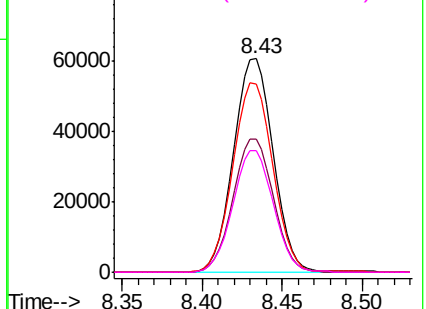
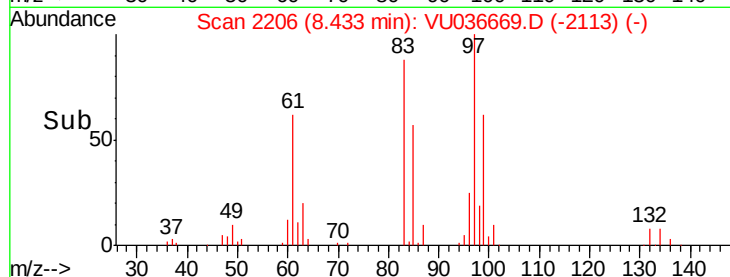


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.032 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Tgt Ion: 164 Resp: 70279

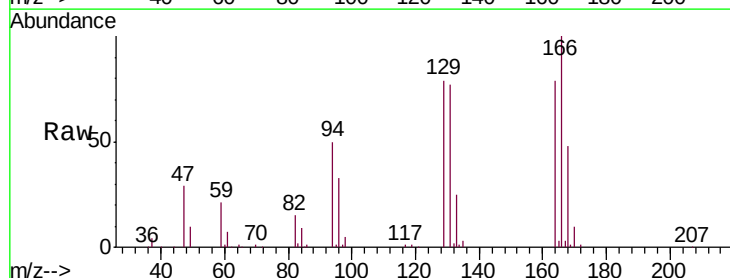
Ion Ratio Lower Upper

164 100

129 99.7 71.1 132.1

131 97.1 66.9 124.3

166 126.3 89.0 165.4

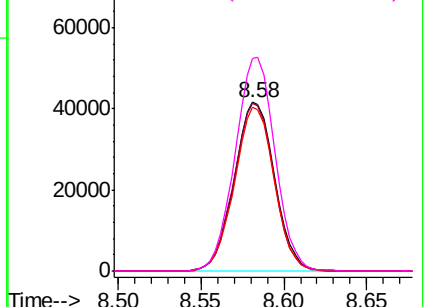
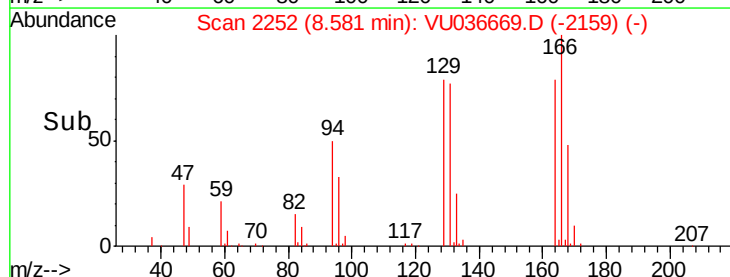


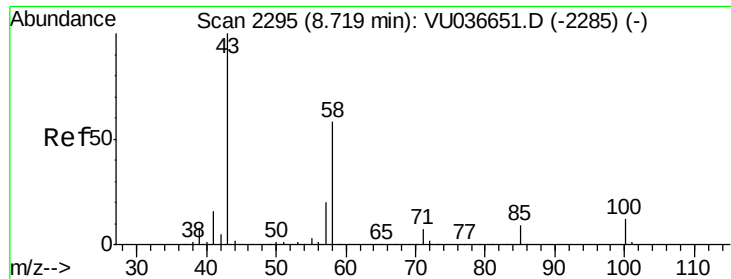
Abundance Ion 164.00 (163.70 to 164.70): V

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

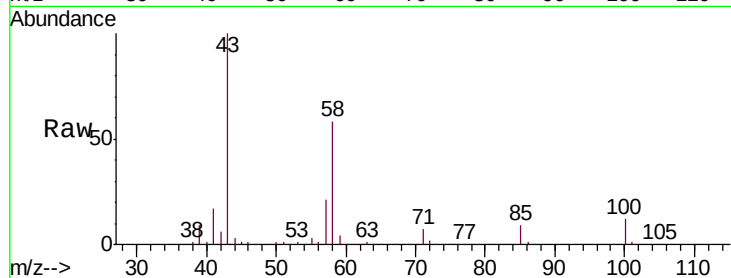




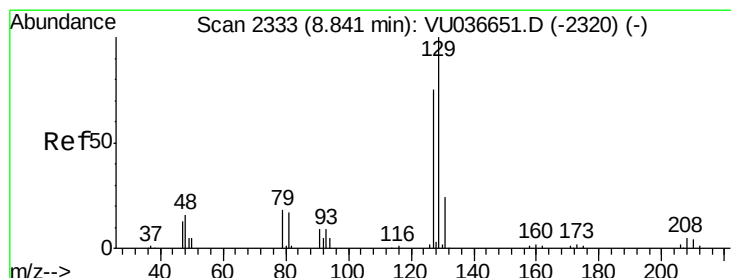
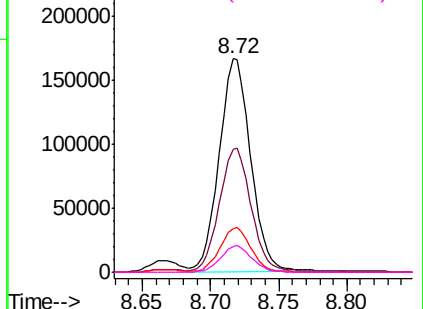
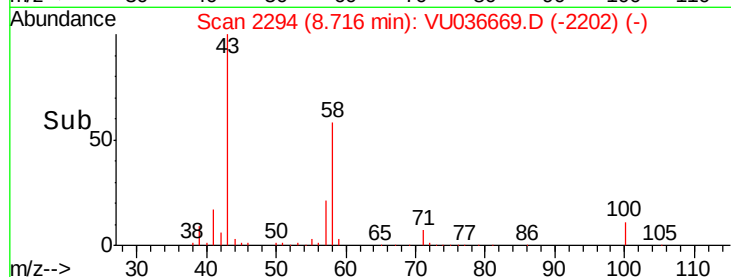
#48
2-Hexanone
Concen: 107.328 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:	43	Resp:	267094
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.2	69.2
57	20.8	16.3	24.5
100	12.4	9.8	14.6

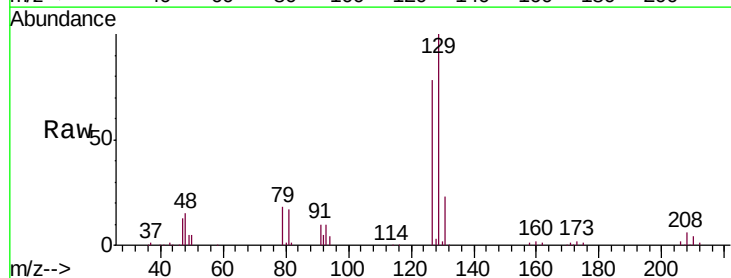


Abundance Ion 43.00 (42.70 to 43.70): VU036669.D (-2294) (-)

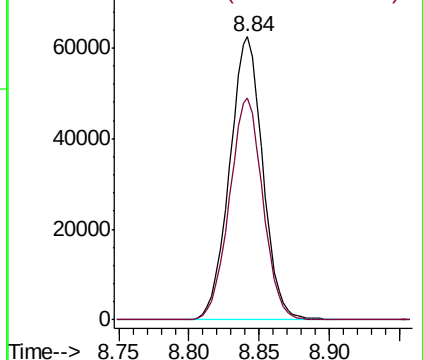
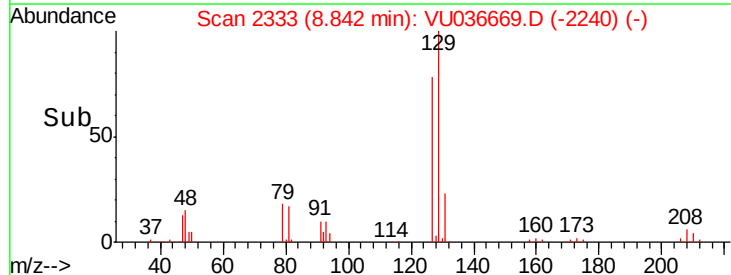


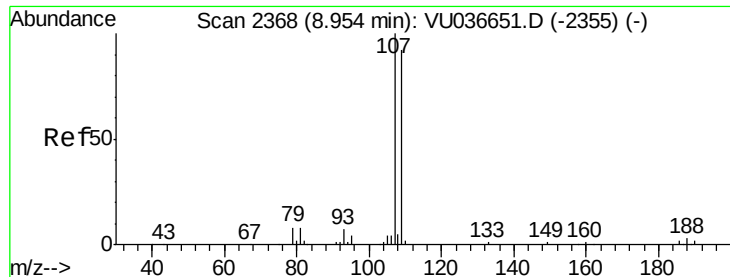
#49
Dibromochloromethane
Concen: 54.362 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036669.D
Acq: 03 Feb 2020 11:44

Tgt Ion:	129	Resp:	102697
Ion	Ratio	Lower	Upper
129	100		
127	78.3	52.4	97.2



Abundance Ion 129.00 (128.70 to 129.70): VU036669.D (-2333) (-)

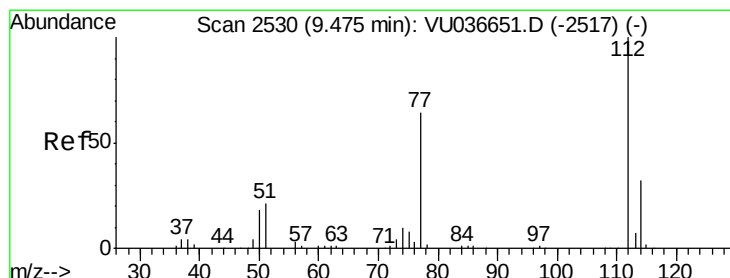
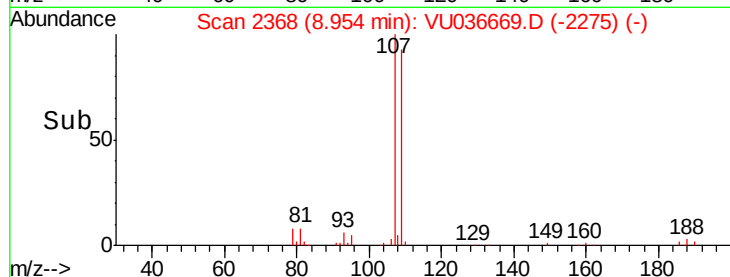
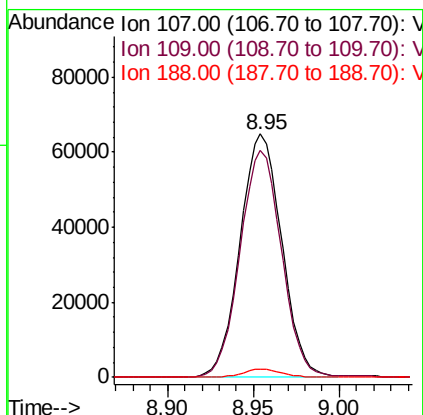
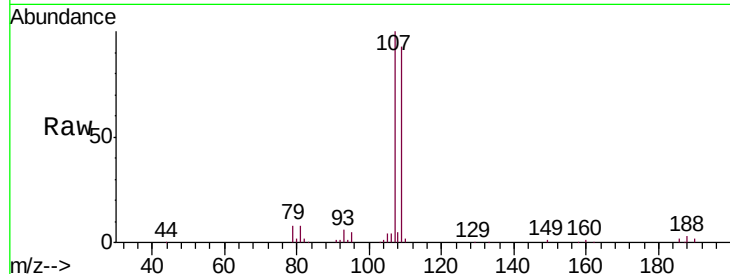




#50
 1,2-Dibromoethane
 Concen: 54.091 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

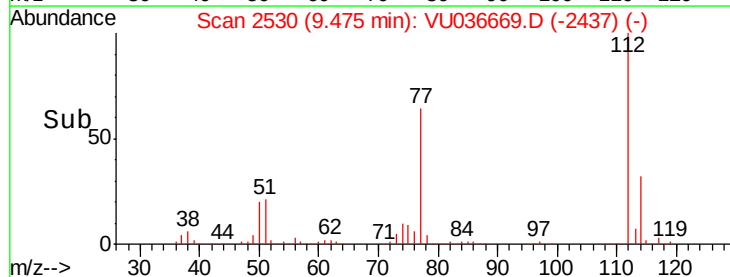
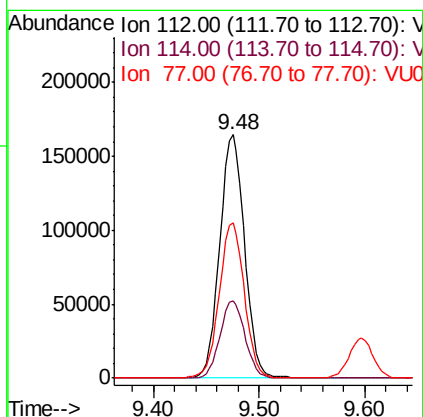
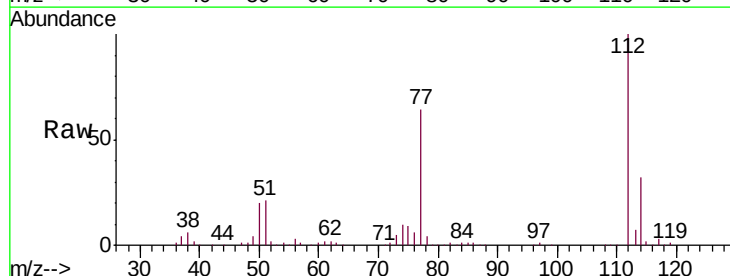
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

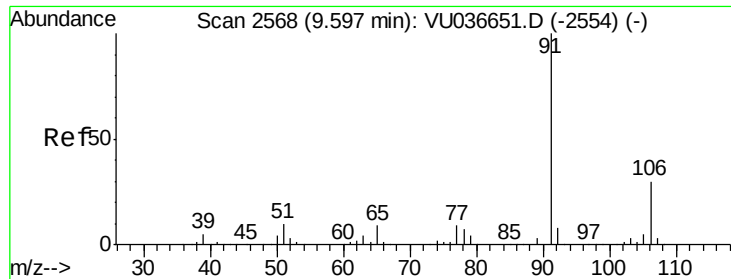
Tgt Ion:107 Resp: 109431
 Ion Ratio Lower Upper
 107 100
 109 93.3 64.5 119.7
 188 3.4 2.5 3.7



#51
 Chlorobenzene
 Concen: 53.506 ug/L
 RT: 9.48 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Tgt Ion:112 Resp: 268128
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.5 41.9
 77 64.0 51.4 77.2





#52

Ethylbenzene

Concen: 53.798 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

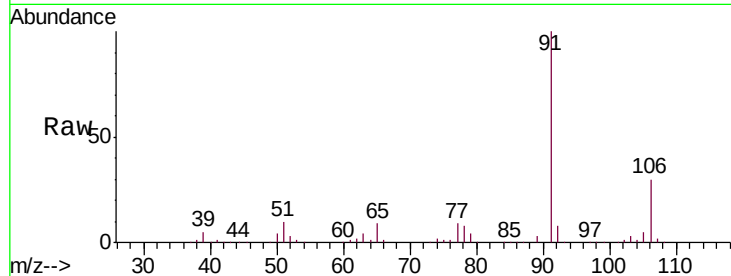
VSTD05053

Tgt Ion: 91 Resp: 496613

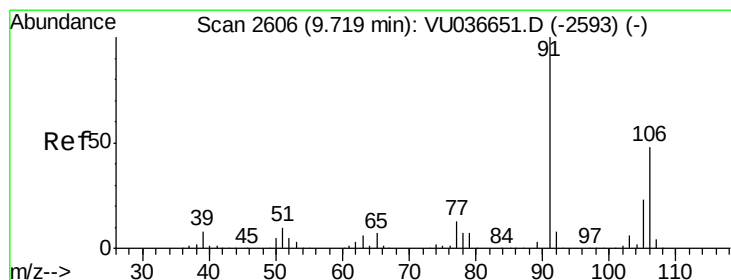
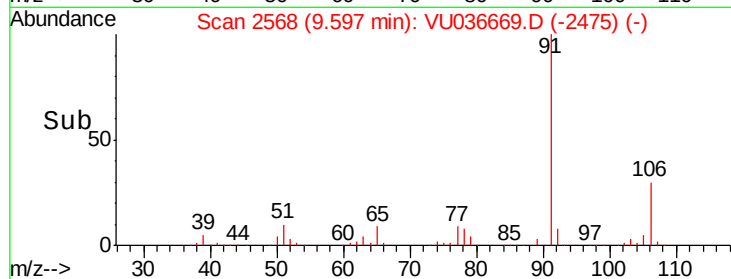
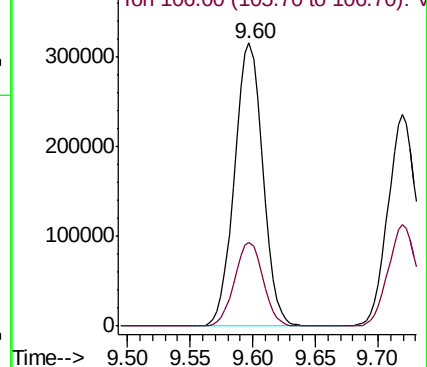
Ion Ratio Lower Upper

91 100

106 29.7 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036669.D (-2475) (-)



#53

m,p-Xylene

Concen: 54.040 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036669.D

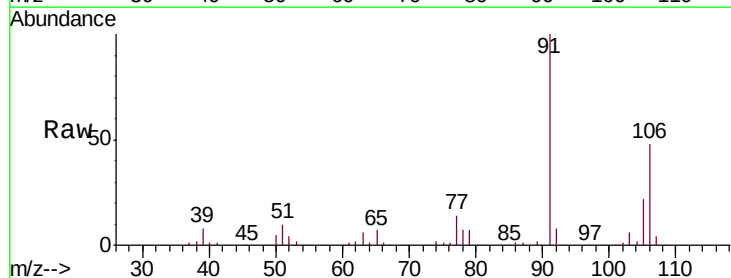
Acq: 03 Feb 2020 11:44

Tgt Ion: 106 Resp: 183988

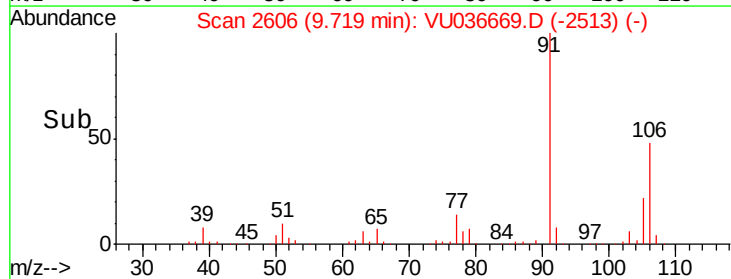
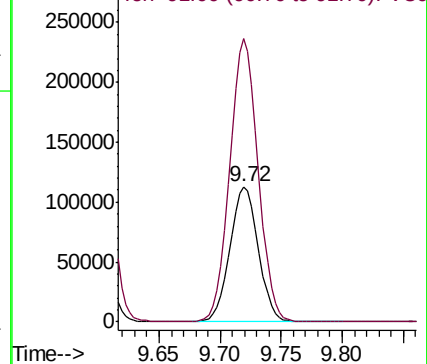
Ion Ratio Lower Upper

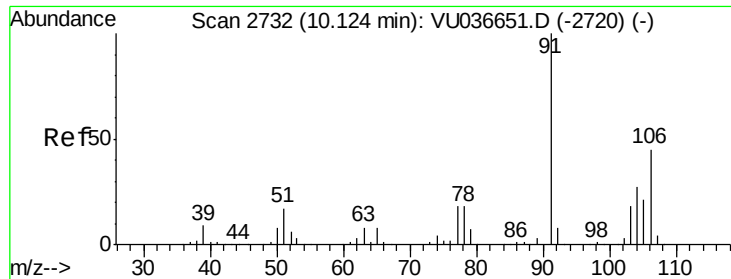
106 100

91 209.0 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036669.D (-2513) (-)





#54

o-xylene

Concen: 53.092 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

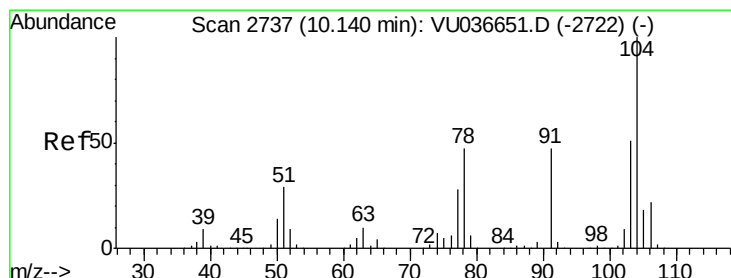
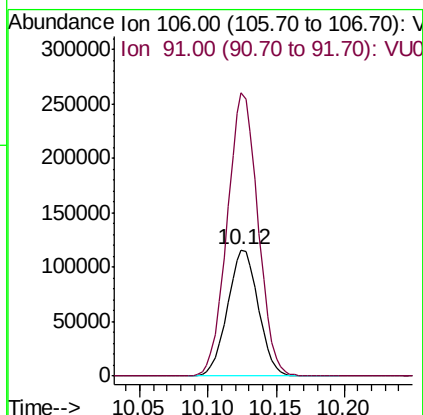
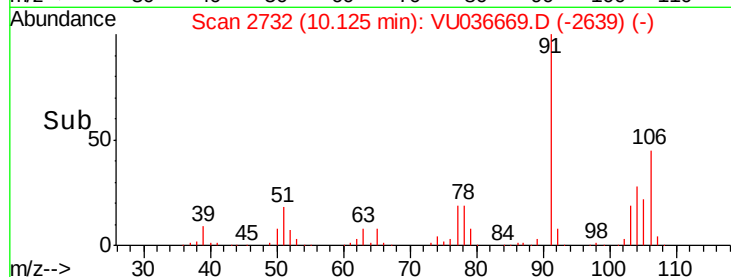
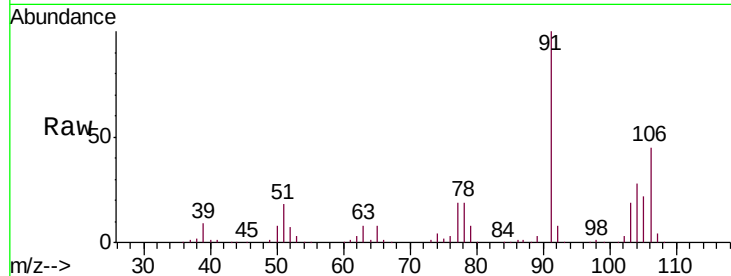
VSTD05053

Tgt Ion:106 Resp: 182092

Ion Ratio Lower Upper

106 100

91 224.7 154.9 287.7



#55

Styrene

Concen: 53.315 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036669.D

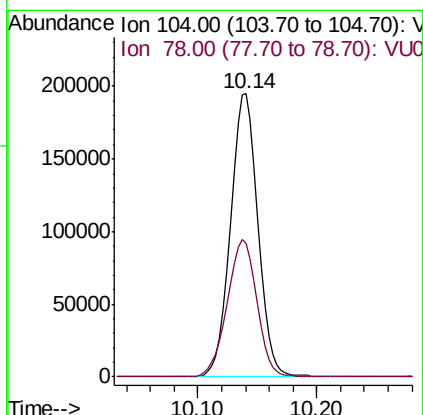
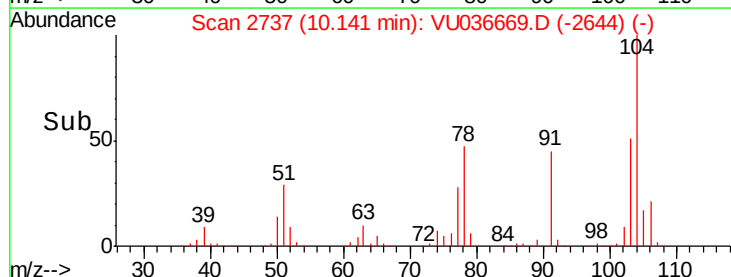
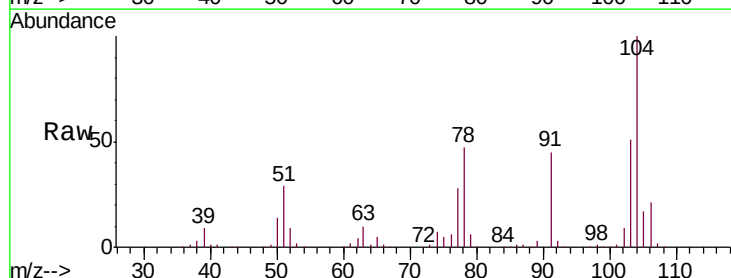
Acq: 03 Feb 2020 11:44

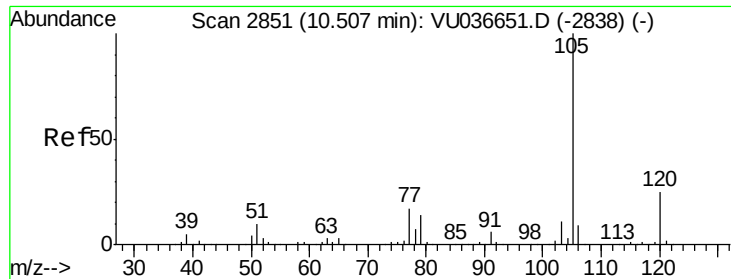
Tgt Ion:104 Resp: 310819

Ion Ratio Lower Upper

104 100

78 47.3 33.1 61.5





#56

Isopropylbenzene

Concen: 53.847 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

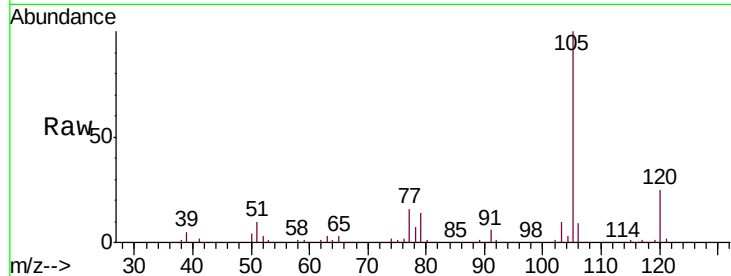
Tgt Ion: 105 Resp: 476436

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

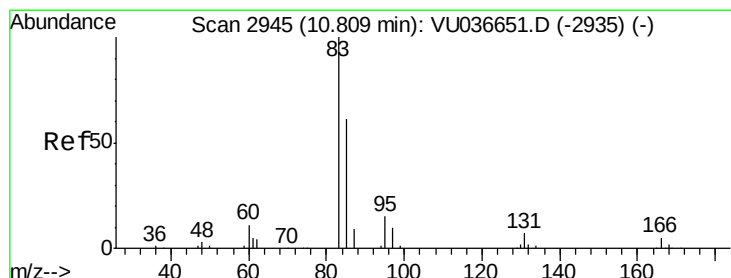
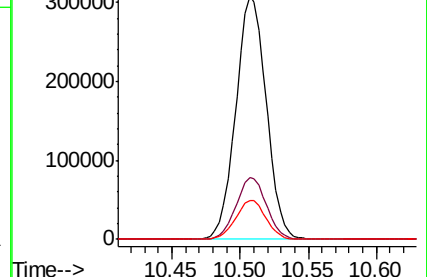
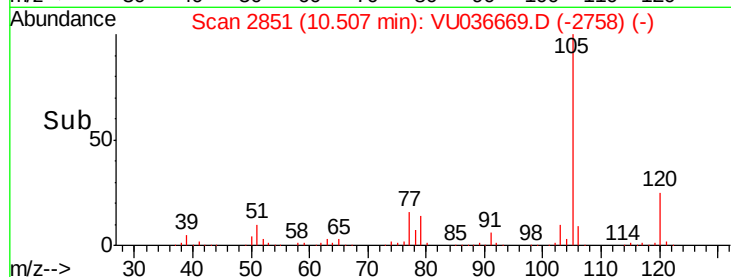
77 16.0 13.0 19.6



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: 51.292 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

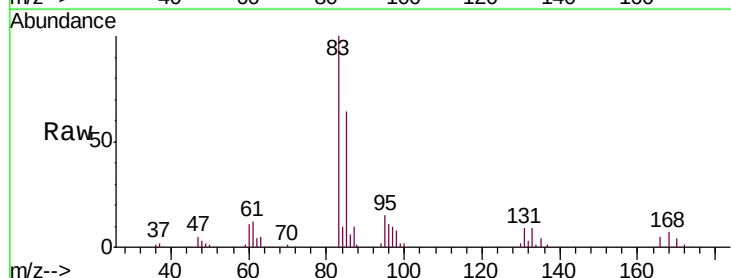
Tgt Ion: 83 Resp: 177574

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

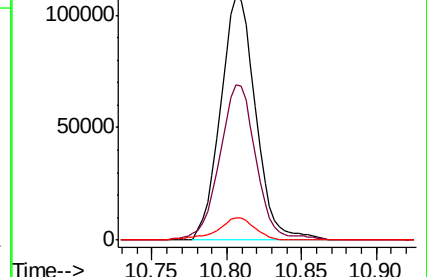
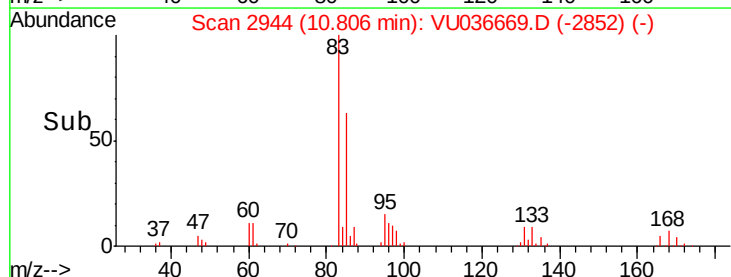
131 9.0 6.8 10.2

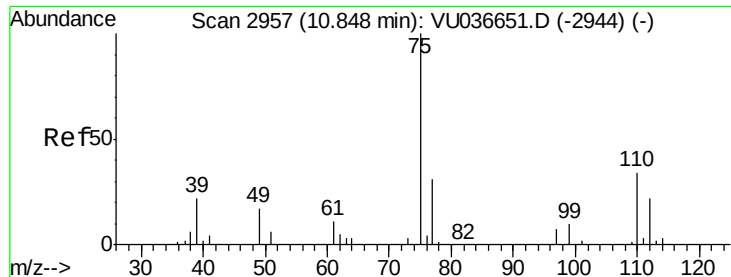


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.752 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

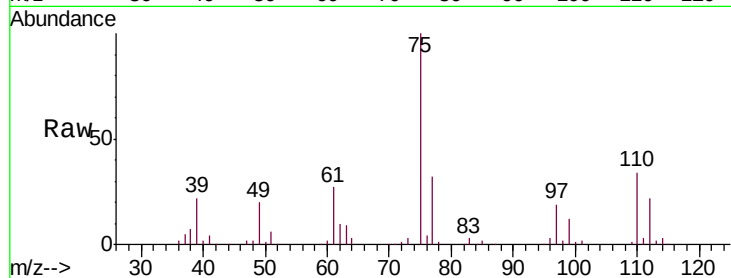
VSTD05053

Tgt Ion: 75 Resp: 151760

Ion Ratio Lower Upper

75 100

77 31.8 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

100000

80000

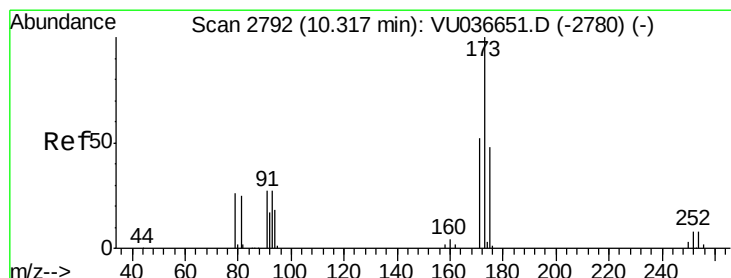
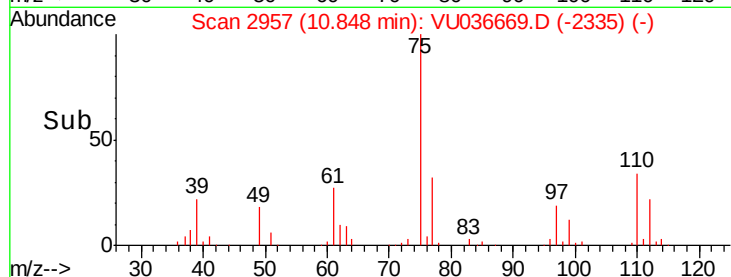
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 54.214 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

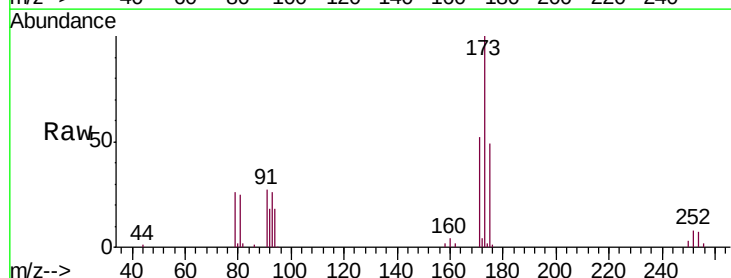
Tgt Ion: 173 Resp: 74093

Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

254 7.1 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

60000

50000

40000

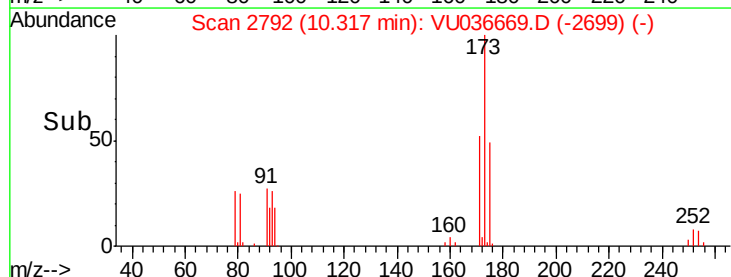
30000

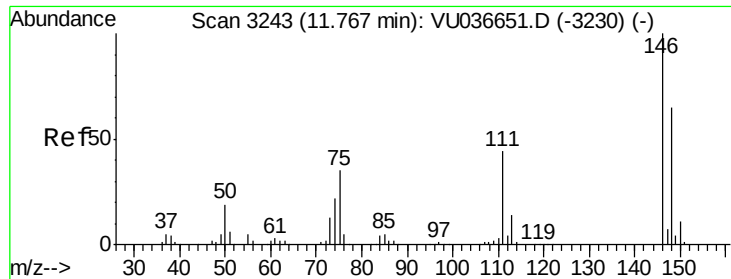
20000

10000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 52.711 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

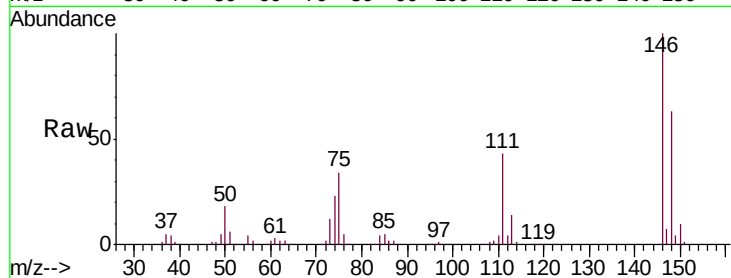
Tgt Ion:146 Resp: 191680

Ion Ratio Lower Upper

146 100

111 43.0 30.6 56.8

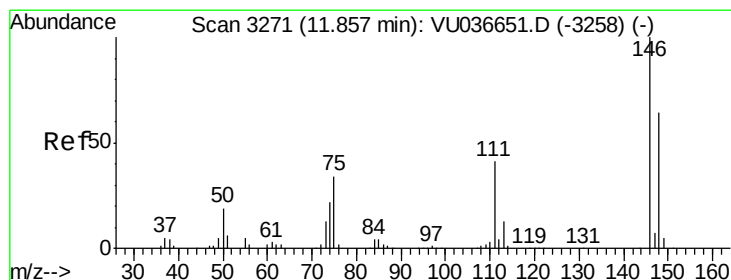
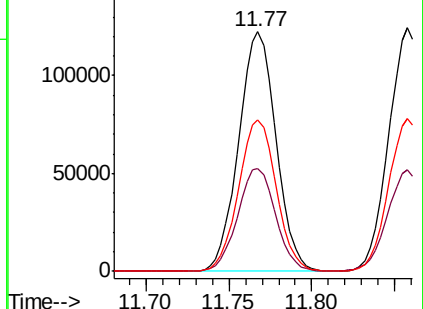
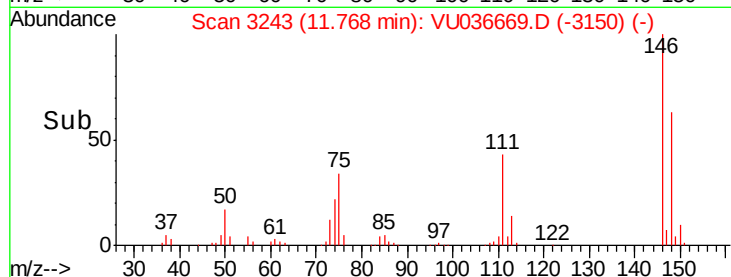
148 63.4 45.1 83.9



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: 53.388 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

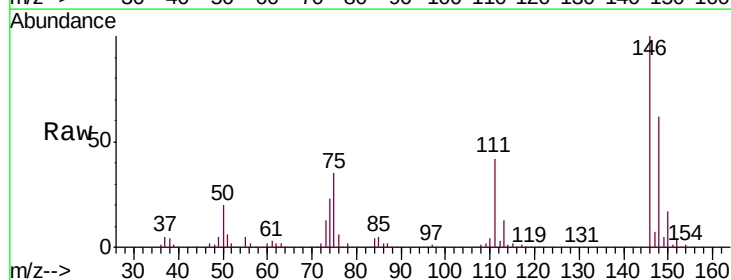
Tgt Ion:146 Resp: 192977

Ion Ratio Lower Upper

146 100

111 41.6 29.0 53.8

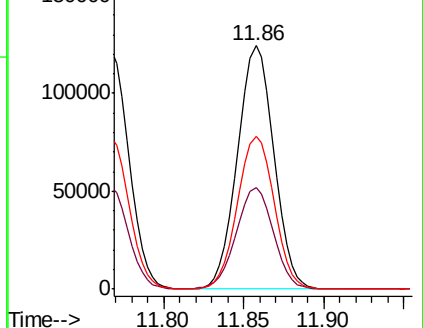
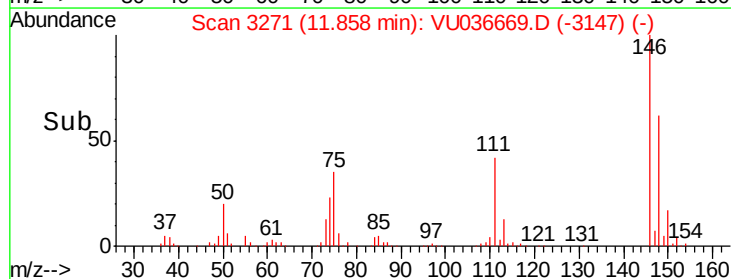
148 62.5 45.1 83.7

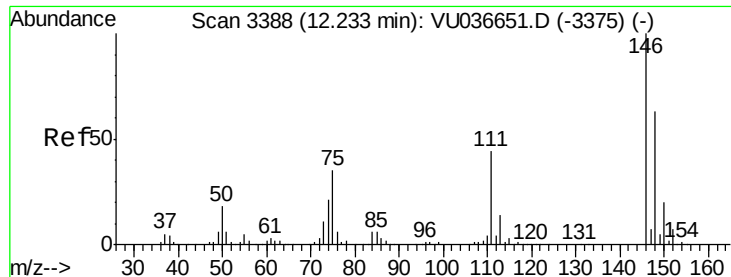


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

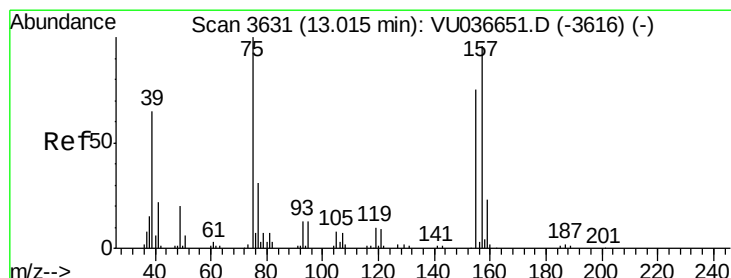
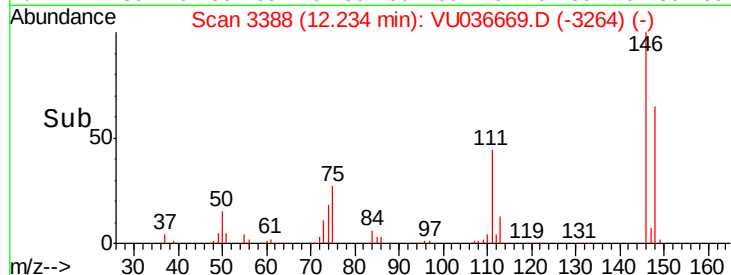
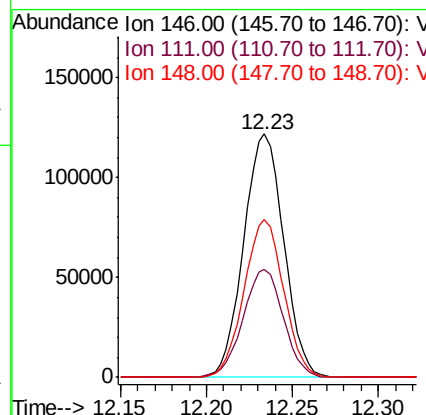
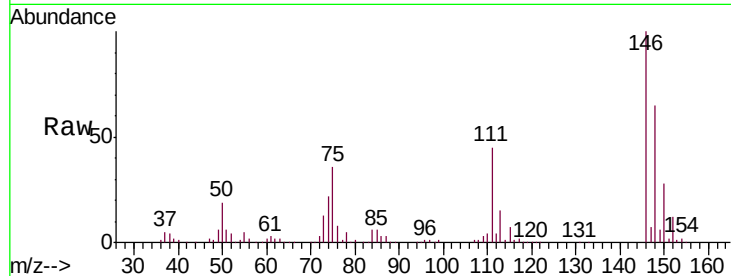




#65
 1,2-Dichlorobenzene
 Concen: 53.846 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

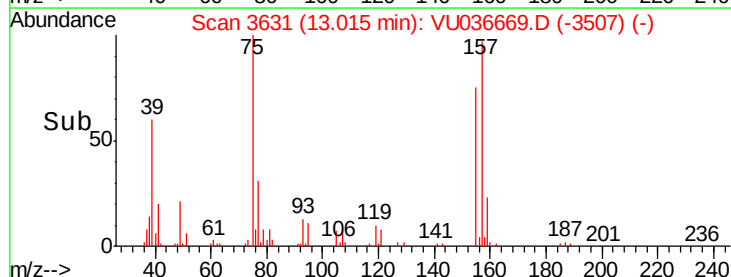
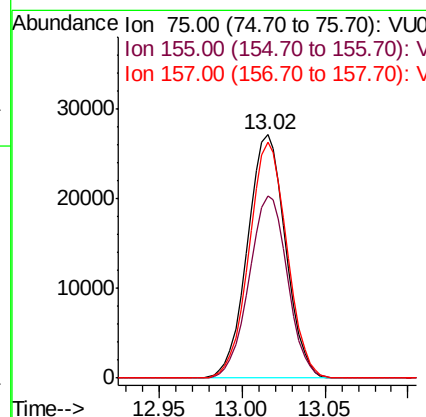
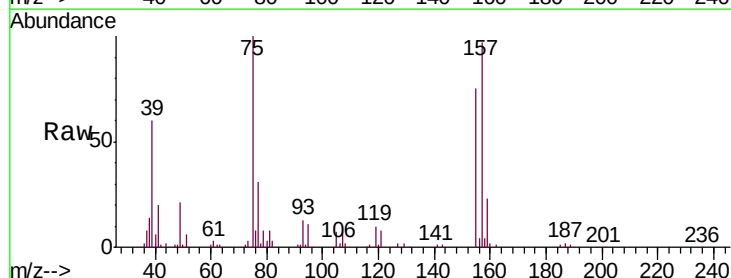
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

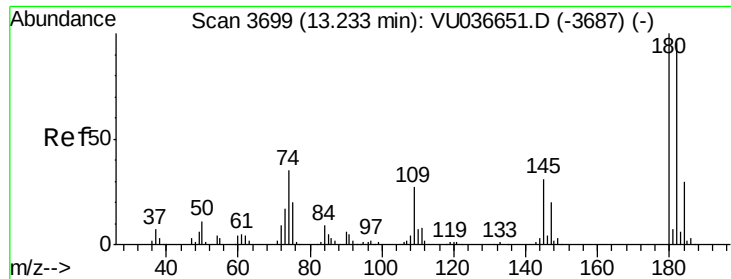
Tgt Ion: 146 Resp: 196985
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.6 53.4
 148 64.8 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 57.033 ug/L
 RT: 13.02 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Tgt Ion: 75 Resp: 43387
 Ion Ratio Lower Upper
 75 100
 155 74.9 60.2 90.4
 157 97.1 76.7 115.1

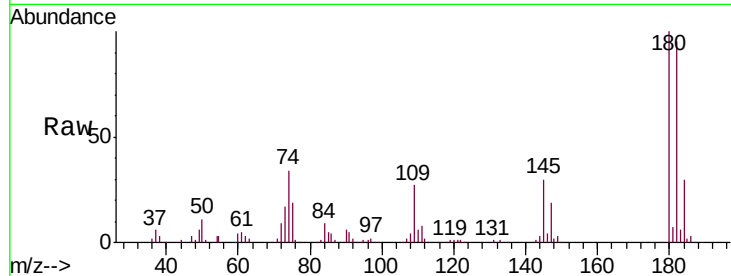




#67
 1,3,5-Trichlorobenzene
 Concen: 52.935 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
184	29.9	24.0	36.0
145	30.4	24.7	37.1



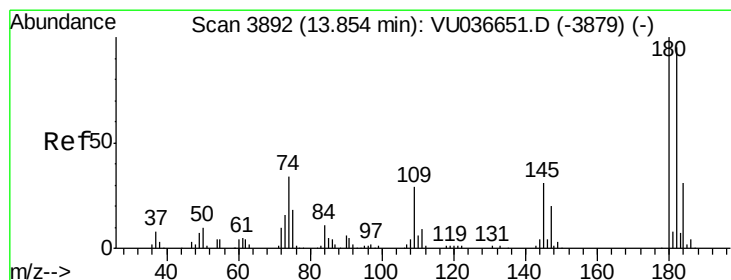
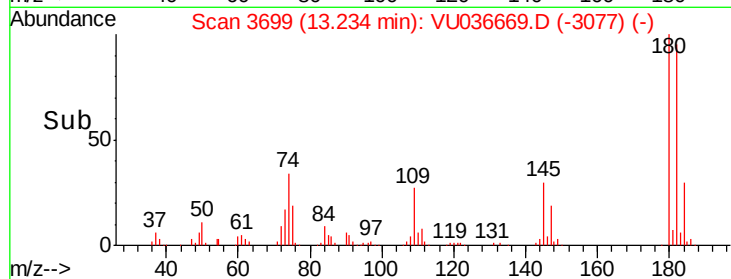
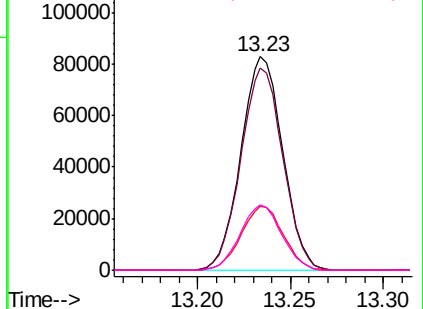
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

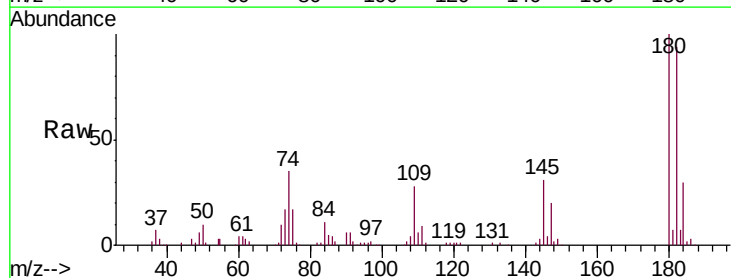
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.273 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036669.D
 Acq: 03 Feb 2020 11:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.2	112.8
145	31.0	25.6	38.4

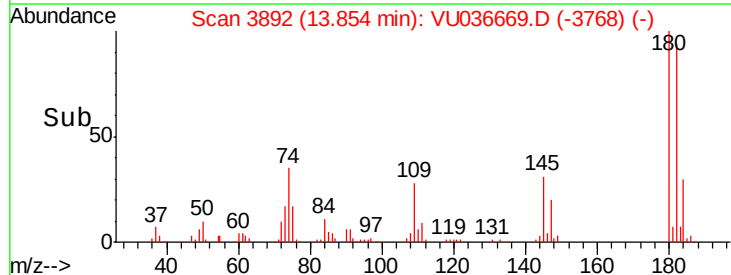
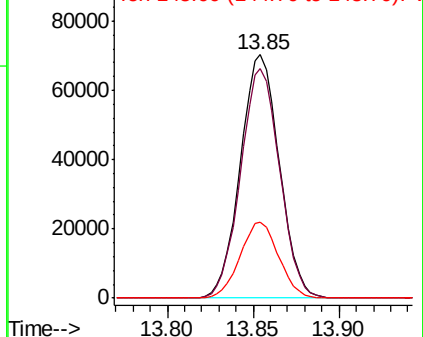


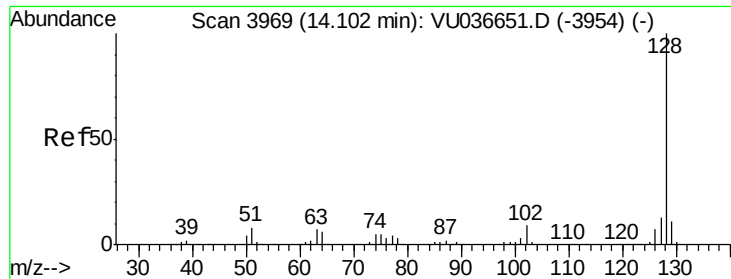
Abundance

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: 53.909 ug/L

RT: 14.10 min Scan# 3968

Delta R.T. -0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

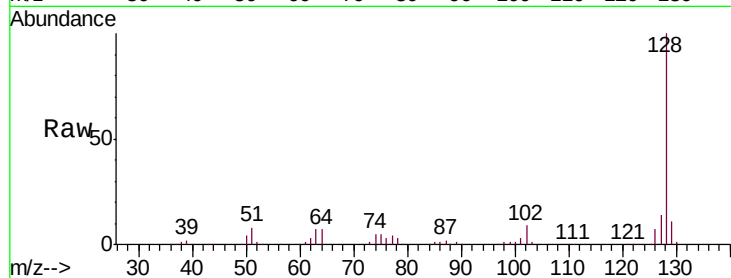
Tgt Ion:128 Resp: 421125

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

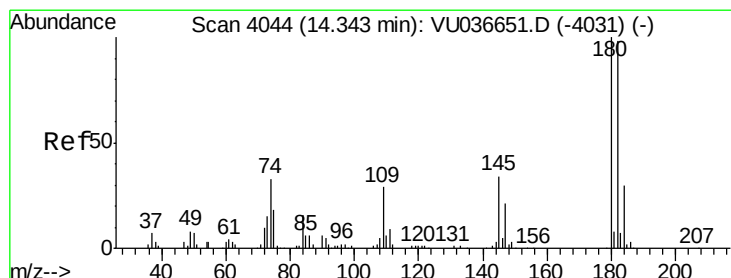
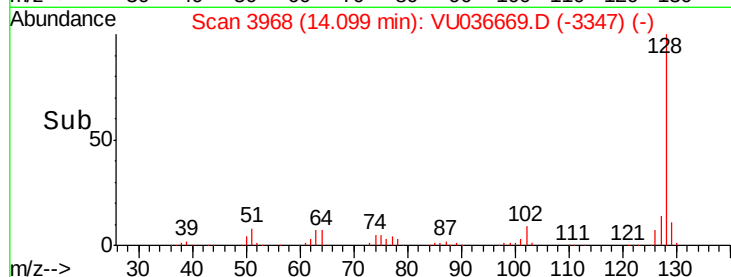
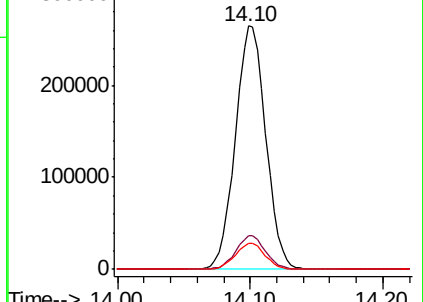
129 10.6 8.5 12.7



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: 53.677 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036669.D

Acq: 03 Feb 2020 11:44

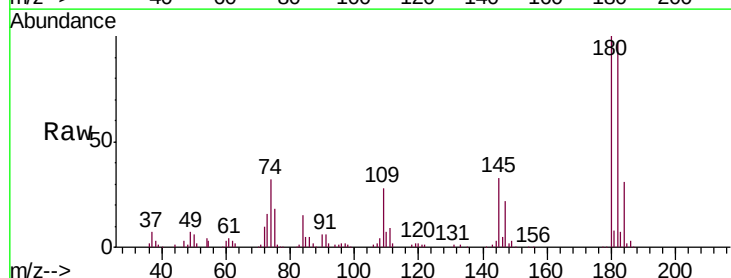
Tgt Ion:180 Resp: 113078

Ion Ratio Lower Upper

180 100

182 96.2 77.4 116.0

145 33.4 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

