

Data File : VU036677.D
Acq On : 03 Feb 2020 18:30
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Feb 04 00:56:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 00:53:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	275613	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	120884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112701	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.70%
7) Chloroethane-d5	1.93	69	94879	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.78%
11) 1,1-Dichloroethene-d2	2.59	63	186978	47.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.10%
21) 2-Butanone-d5	4.68	46	152862	98.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.81%
24) Chloroform-d	5.11	84	178102	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
26) 1,2-Dichloroethane-d4	5.75	65	116189	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
32) Benzene-d6	5.77	84	380622	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.73	67	123276	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.93	98	350258	47.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.96%
43) trans-1,3-Dichloropropene-	8.21	79	59800	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.56%
47) 2-Hexanone-d5	8.67	63	146435	101.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.03%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	179305	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	119706	46.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	110879	51.053	ug/L	100
3) Chloromethane	1.54	50	129295	48.696	ug/L	99
5) Vinyl chloride	1.62	62	139129	50.973	ug/L	95
6) Bromomethane	1.87	94	78622	57.605	ug/L	99
8) Chloroethane	1.95	64	83576	51.409	ug/L	99
9) Trichlorofluoromethane	2.16	101	156169	52.300	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90676	52.733	ug/L	99
12) 1,1-Dichloroethene	2.61	96	90898	51.968	ug/L	94
13) Acetone	2.66	43	130990	99.573	ug/L	97
14) Carbon disulfide	2.82	76	267443	50.097	ug/L	100
15) Methyl Acetate	2.99	43	123477	51.551	ug/L	98
16) Methylene chloride	3.08	84	109100	49.629	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	96387	51.857	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	340952	51.808	ug/L	99
19) 1,1-Dichloroethane	3.92	63	192205	51.678	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	111196	51.814	ug/L	99
22) 2-Butanone	4.76	43	186698	103.799	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50922	51.721	ug/L	96
25) Chloroform	5.14	83	187834	52.641	ug/L	98
27) 1,2-Dichloroethane	5.84	62	150307	51.527	ug/L	100
29) Cyclohexane	5.43	56	181000	51.293	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	150704	51.749	ug/L	100
31) Carbon tetrachloride	5.57	117	123548	52.289	ug/L	98
33) Benzene	5.82	78	432194	51.894	ug/L	100
34) Trichloroethene	6.58	95	105182	51.926	ug/L	99
35) Methylcyclohexane	6.80	83	182013	52.437	ug/L	99
37) 1,2-Dichloropropane	6.83	63	115525	51.171	ug/L	100
38) Bromodichloromethane	7.14	83	138033	50.848	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	180162	50.418	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	343701	100.805	ug/L	98
42) Toluene	8.00	91	461823	51.674	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	160359	50.832	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	103868	50.982	ug/L	99
46) Tetrachloroethene	8.58	164	73867	49.547	ug/L	99
48) 2-Hexanone	8.72	43	269863	102.172	ug/L	98
49) Dibromochloromethane	8.84	129	104237	51.988	ug/L	98
50) 1,2-Dibromoethane	8.95	107	109807	51.140	ug/L	96
51) Chlorobenzene	9.47	112	270739	50.905	ug/L	100
52) Ethylbenzene	9.60	91	506015	51.648	ug/L	99
53) m,p-Xylene	9.72	106	187747	51.957	ug/L	98
54) o-xylene	10.13	106	187034	51.381	ug/L	98
55) Styrene	10.14	104	317989	51.392	ug/L	100
56) Isopropylbenzene	10.51	105	487946	51.961	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	187143	50.932	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	151264	50.479	ug/L	99
61) Bromoform	10.32	173	74683	49.694	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	202847	50.727	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	200856	50.532	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	203512	50.590	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	43755	52.305	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	143616	53.350	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	121343	54.208	ug/L	100
69) Naphthalene	14.10	128	433532	50.468	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	120853	52.170	ug/L	98

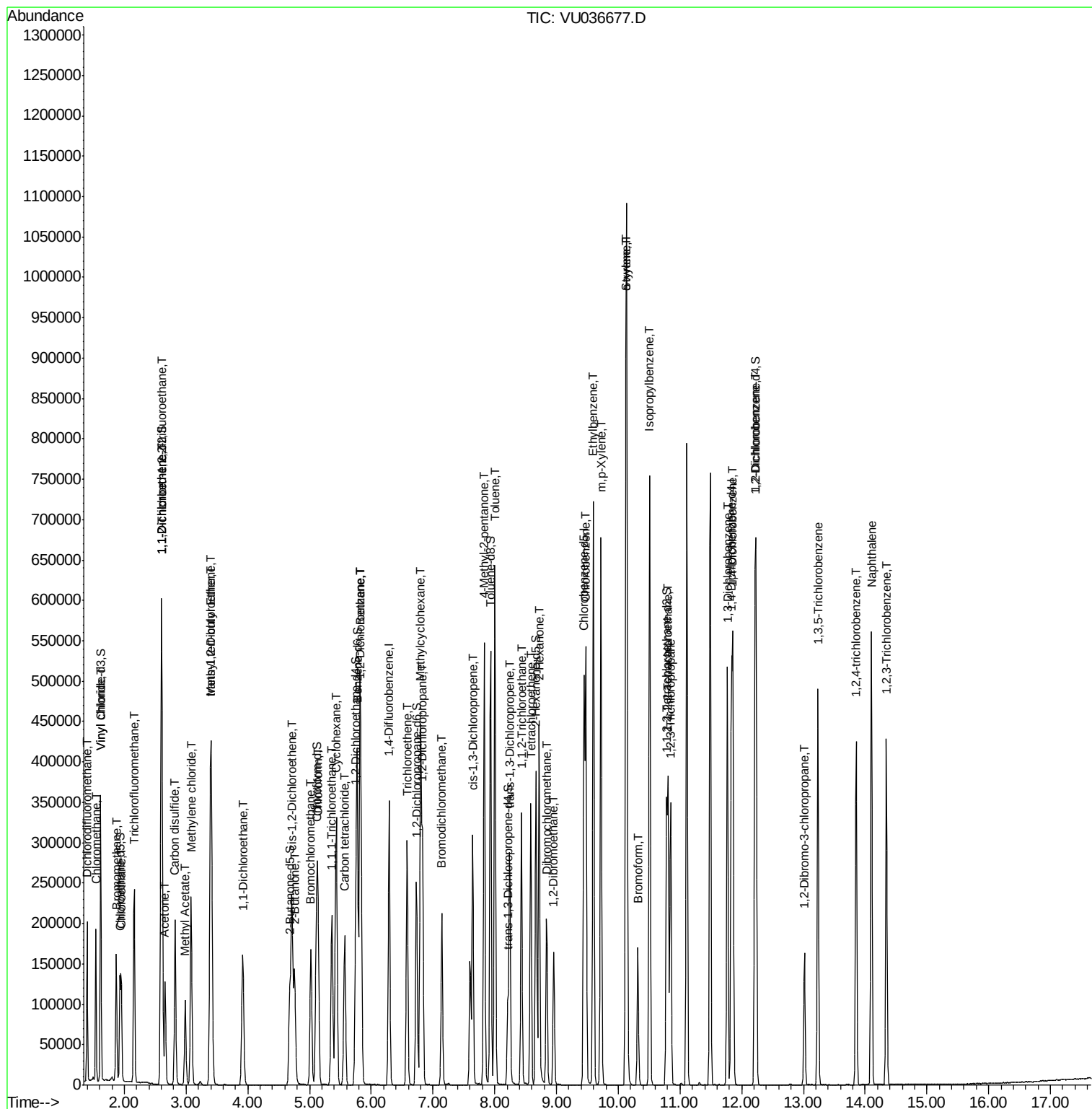
(#) = qualifier out of range (m) = manual integration (+) = signals summed

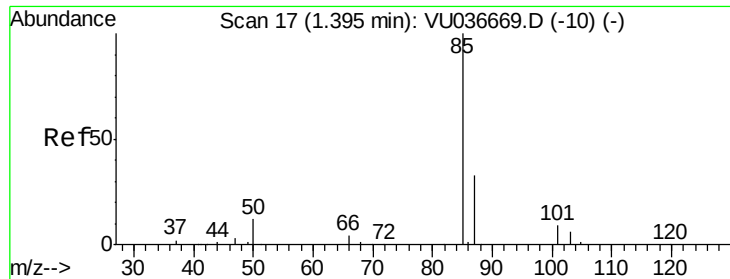
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#2

Dichlorodifluoromethane

Concen: 51.053 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

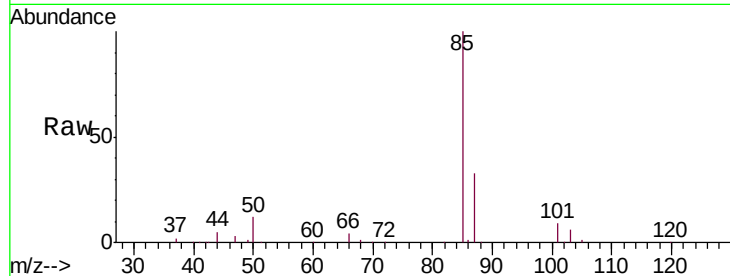
VSTD05054

Tgt Ion: 85 Resp: 110879

Ion Ratio Lower Upper

85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036669.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036677.D (-1) (-)

120000

100000

80000

60000

40000

20000

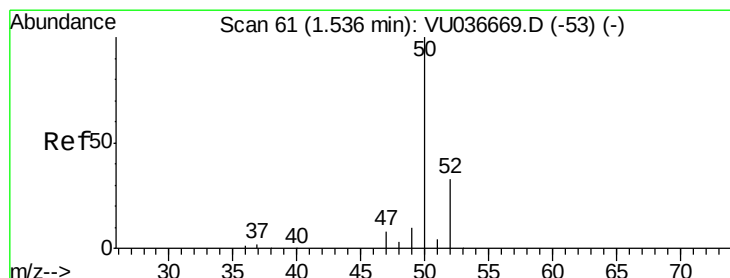
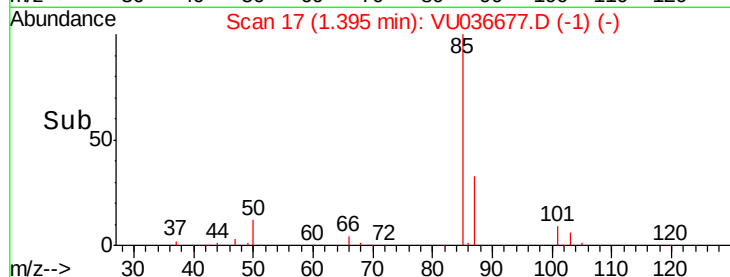
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 48.696 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036677.D

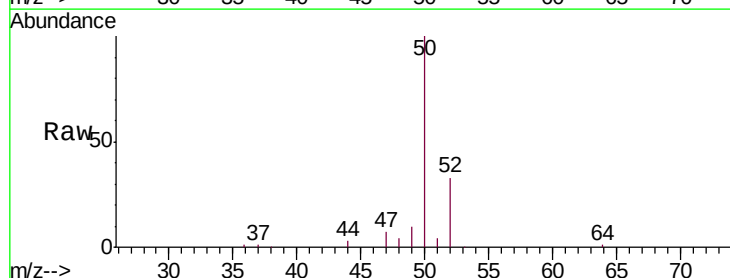
Acq: 03 Feb 2020 18:30

Tgt Ion: 50 Resp: 129295

Ion Ratio Lower Upper

50 100

52 33.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036669.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036677.D (-1) (-)

100000

50000

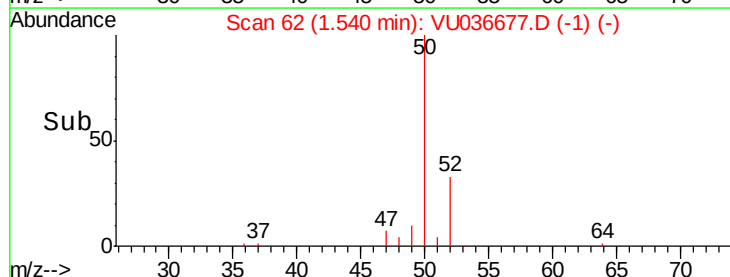
0

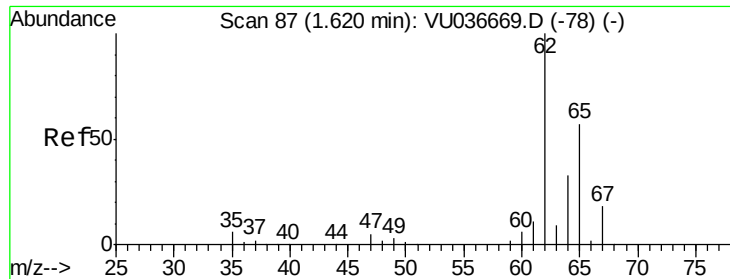
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 50.973 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

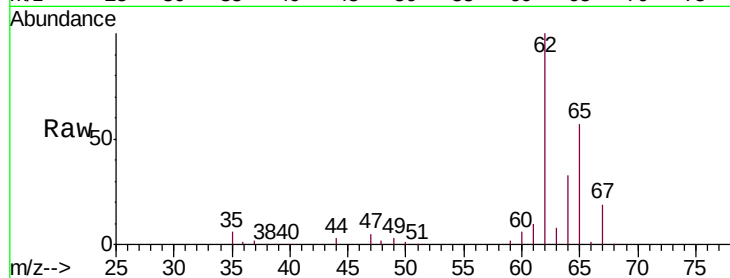
VSTD05054

Tgt Ion: 62 Resp: 139129

Ion Ratio Lower Upper

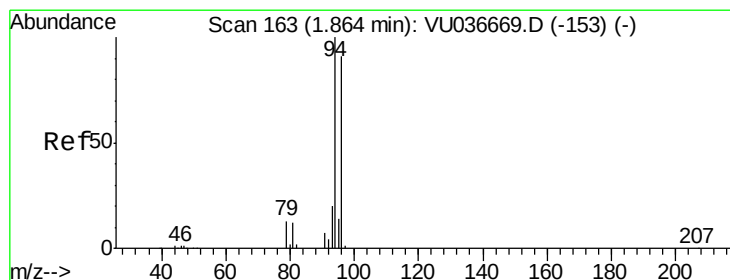
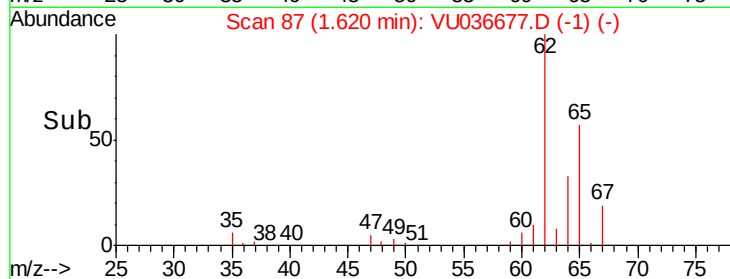
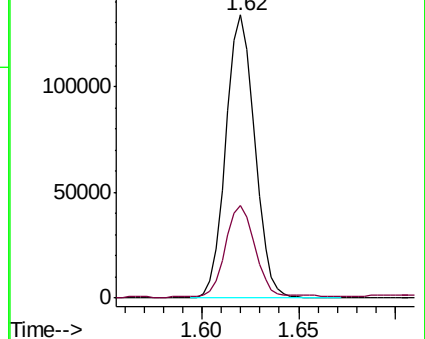
62 100

64 32.5 24.7 45.9



Abundance Ion 62.00 (61.70 to 62.70): VU036669.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036669.D (-78) (-)



#6

Bromomethane

Concen: 57.605 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU036677.D

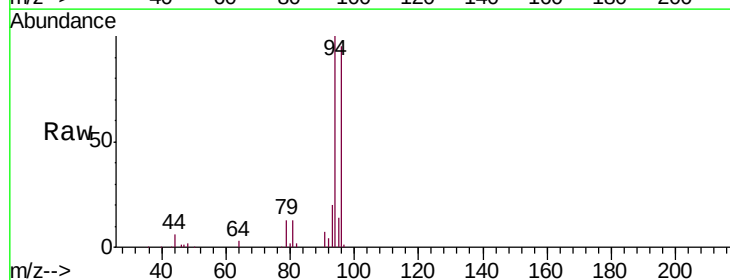
Acq: 03 Feb 2020 18:30

Tgt Ion: 94 Resp: 78622

Ion Ratio Lower Upper

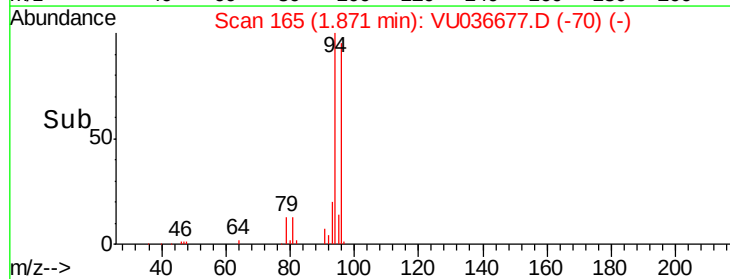
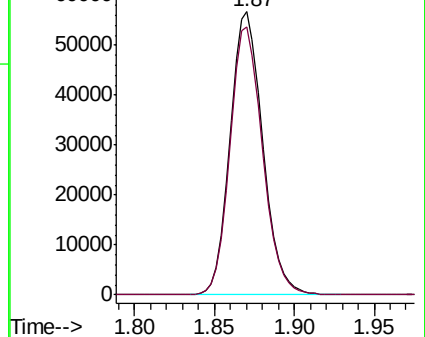
94 100

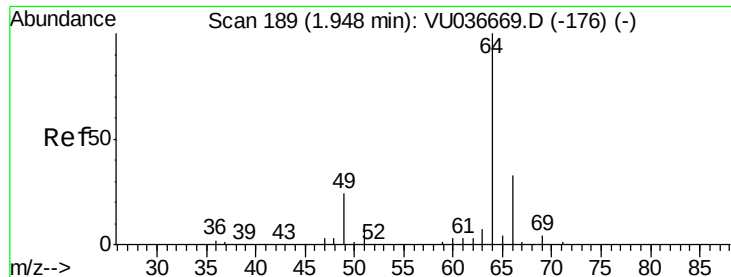
96 94.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036669.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036669.D (-153) (-)





#8

Chloroethane

Concen: 51.409 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

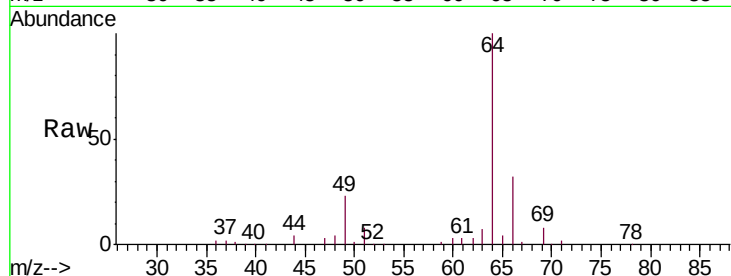
VSTD05054

Tgt Ion: 64 Resp: 83576

Ion Ratio Lower Upper

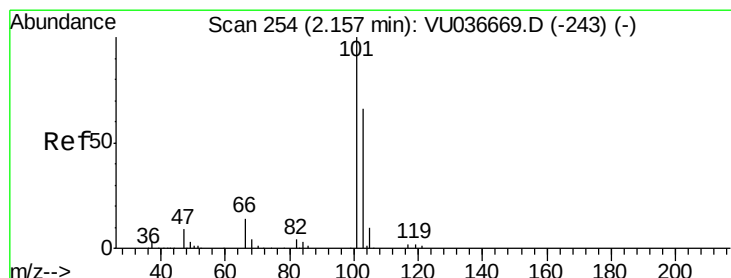
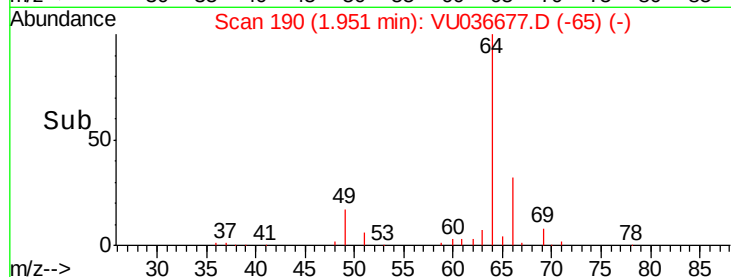
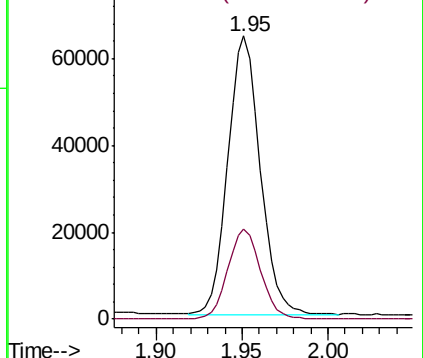
64 100

66 31.7 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: 52.300 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036677.D

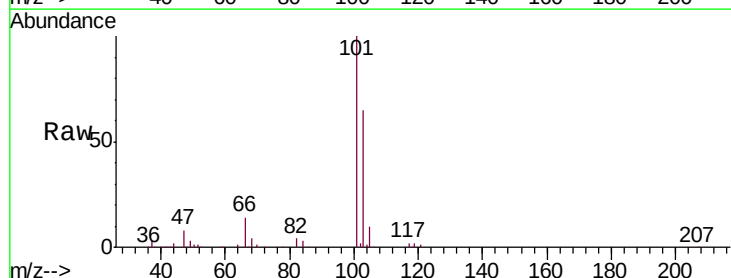
Acq: 03 Feb 2020 18:30

Tgt Ion: 101 Resp: 156169

Ion Ratio Lower Upper

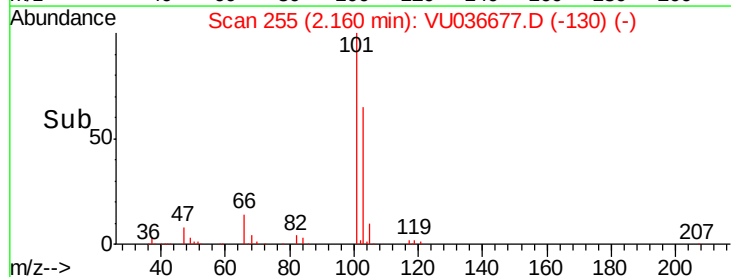
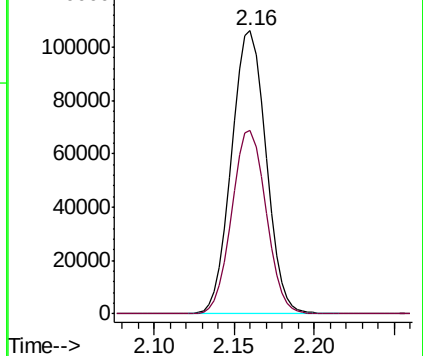
101 100

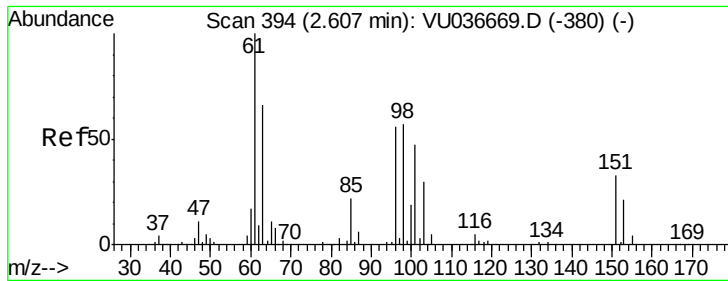
103 64.5 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036669.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036669.D (-243) (-)





#10

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

Concen: 52.733 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

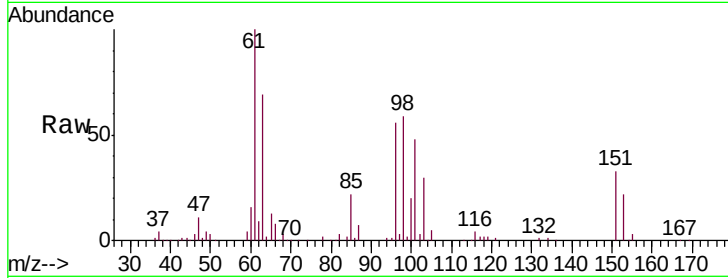
Tgt Ion:101 Resp: 90676

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.8

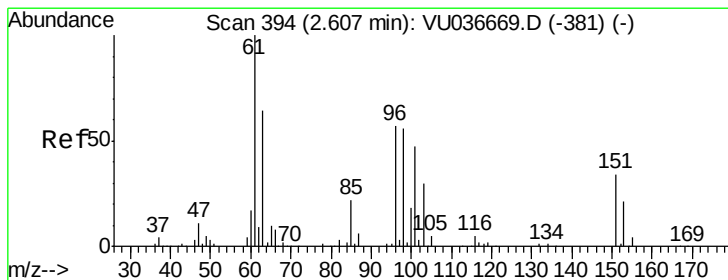
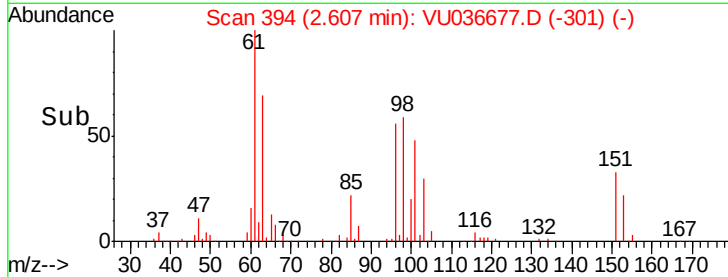
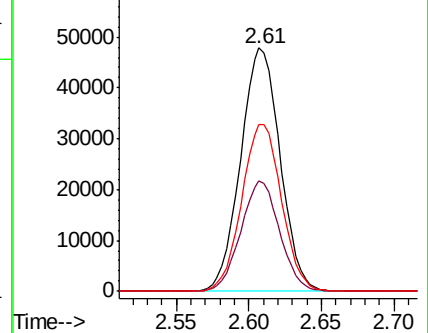
151 69.1 54.7 82.1



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: 51.968 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

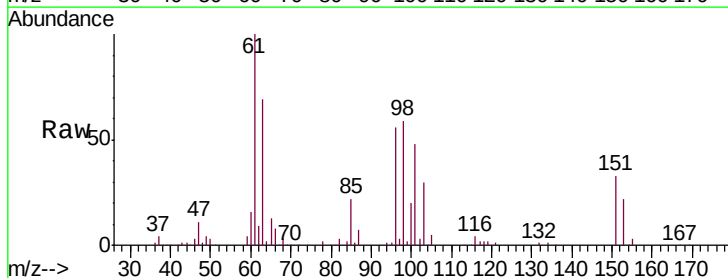
Tgt Ion: 96 Resp: 90898

Ion Ratio Lower Upper

96 100

61 178.7 126.8 235.4

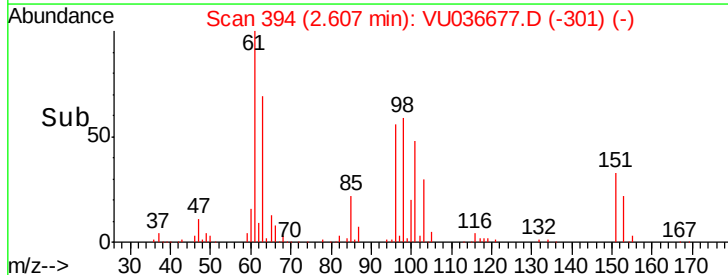
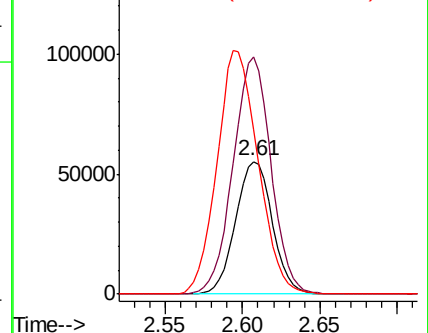
63 123.6 95.8 177.8

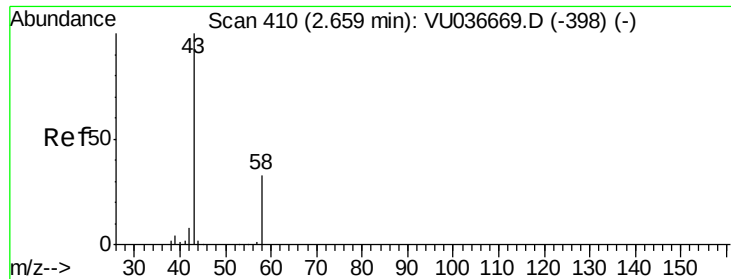


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.573 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

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MSVOA_U

ClientSampleId :

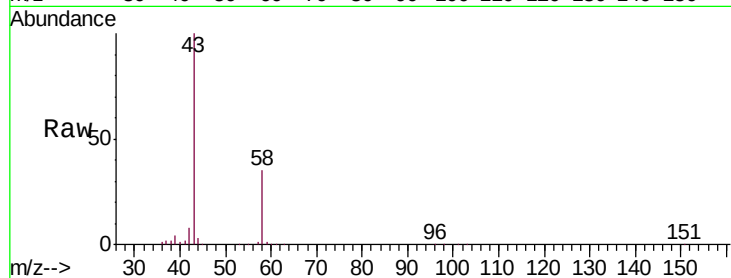
VSTD05054

Tgt Ion: 43 Resp: 130990

Ion Ratio Lower Upper

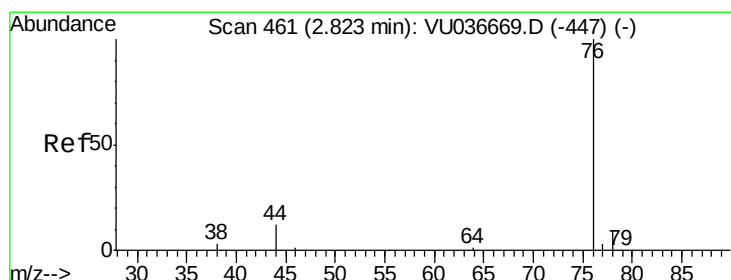
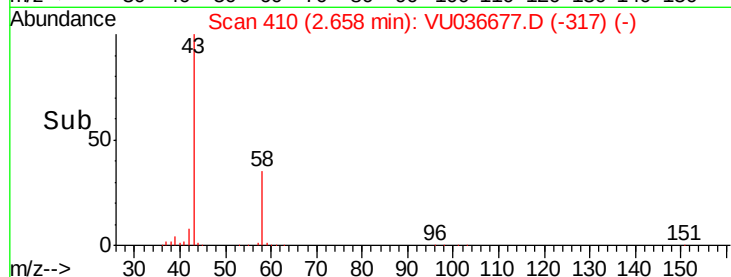
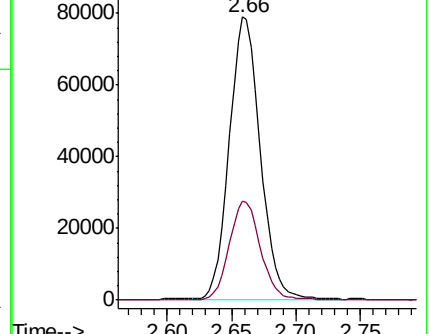
43 100

58 35.7 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU036669.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036669.D (-398) (-)



#14

Carbon disulfide

Concen: 50.097 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036677.D

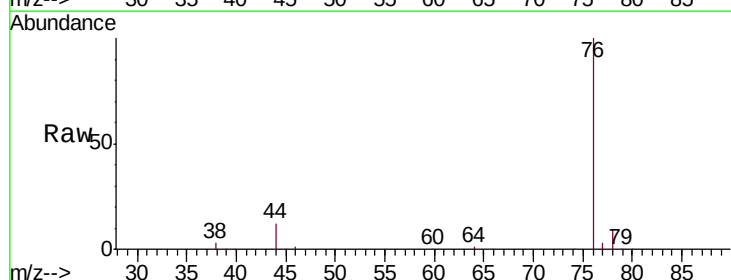
Acq: 03 Feb 2020 18:30

Tgt Ion: 76 Resp: 267443

Ion Ratio Lower Upper

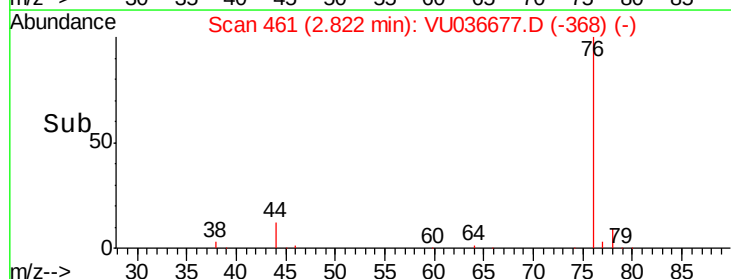
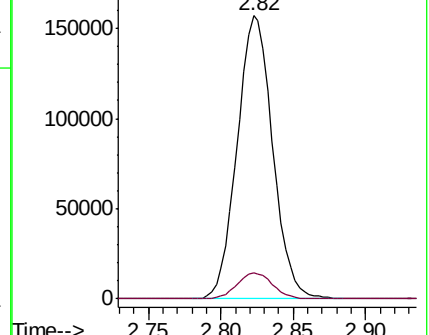
76 100

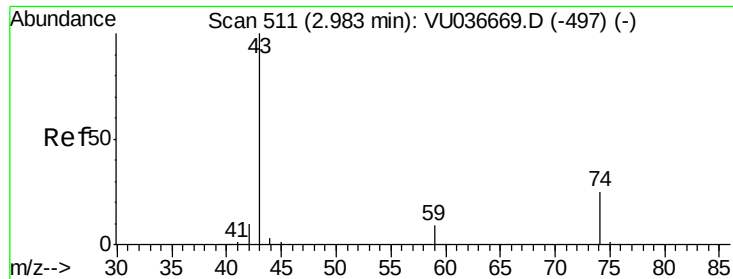
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036669.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036669.D (-447) (-)

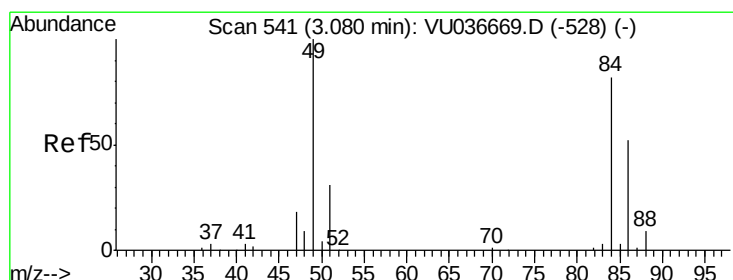
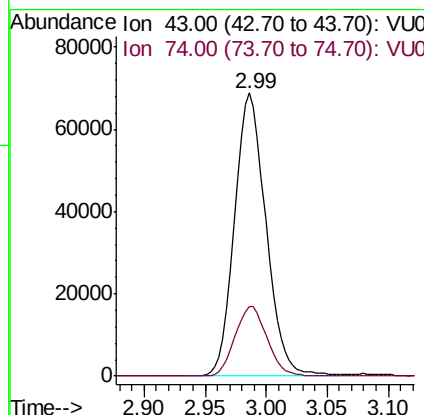
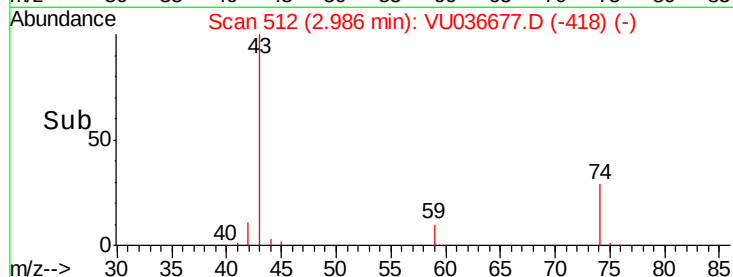
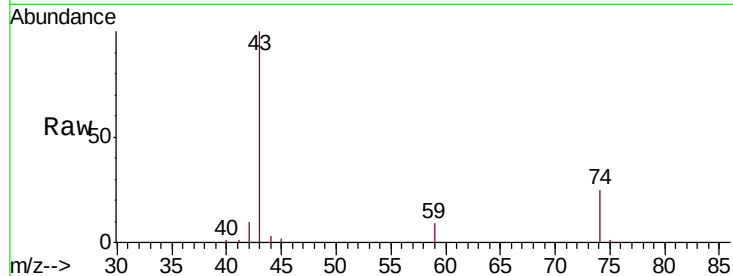




#15
Methyl Acetate
Concen: 51.551 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

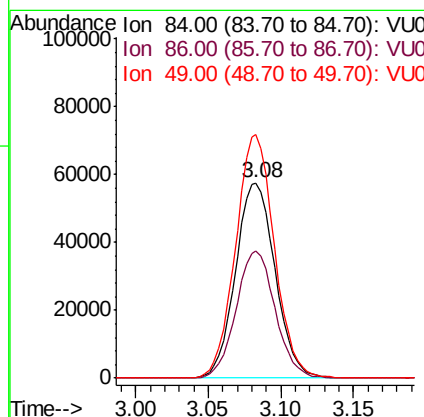
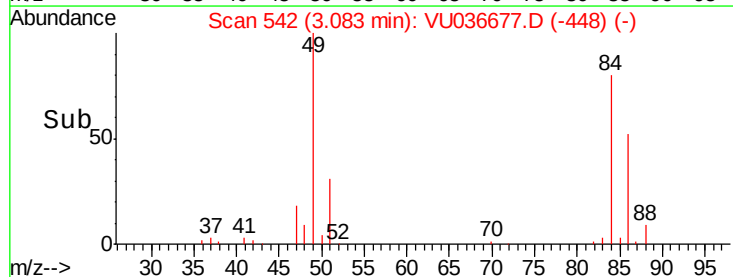
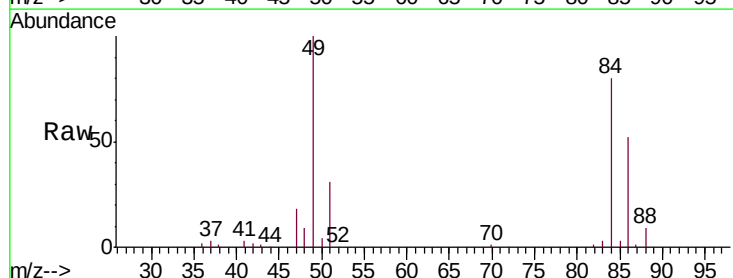
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

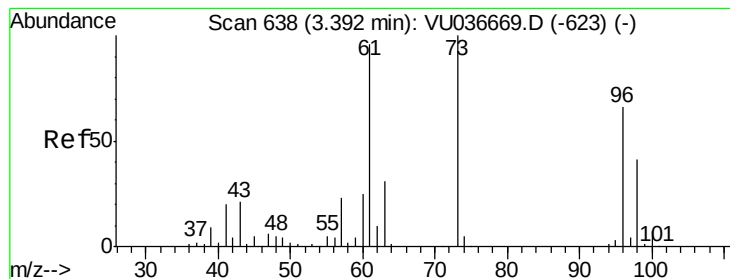
Tgt Ion: 43 Resp: 123477
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2



#16
Methylene chloride
Concen: 49.629 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Tgt Ion: 84 Resp: 109100
Ion Ratio Lower Upper
84 100
86 65.1 45.1 83.9
49 124.7 85.3 158.3





#17

trans-1,2-Dichloroethene

Concen: 51.857 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

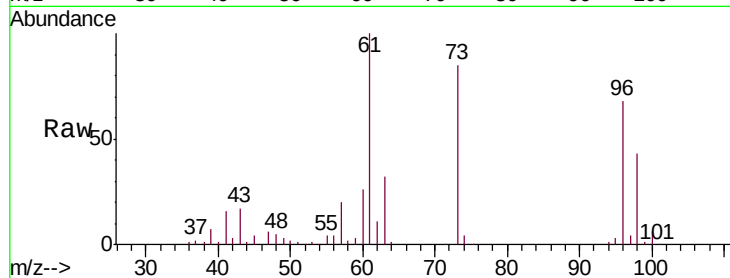
Tgt Ion: 96 Resp: 96387

Ion Ratio Lower Upper

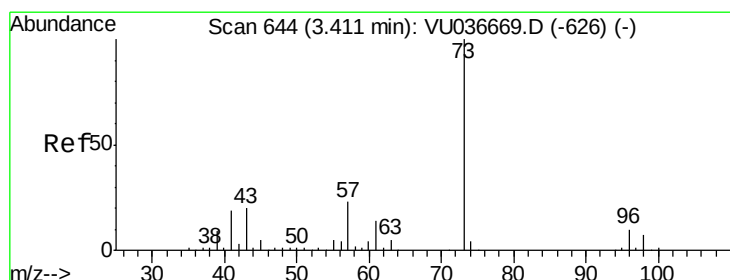
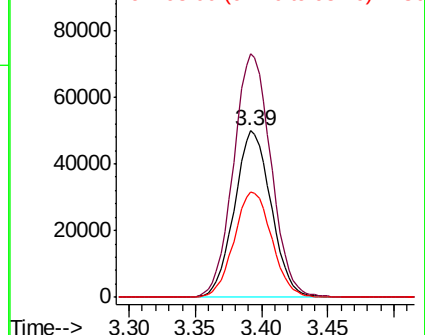
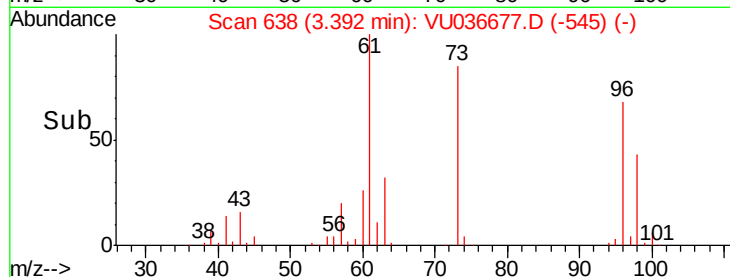
96 100

61 146.4 104.2 193.6

98 63.3 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU036677.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 51.808 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

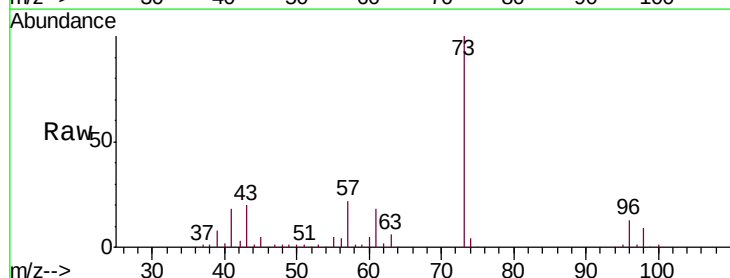
Tgt Ion: 73 Resp: 340952

Ion Ratio Lower Upper

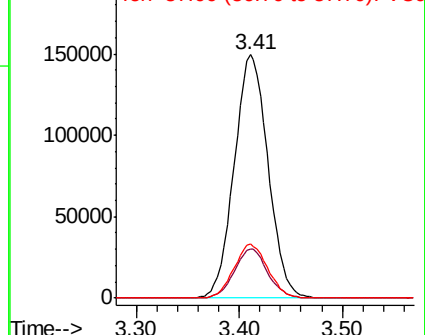
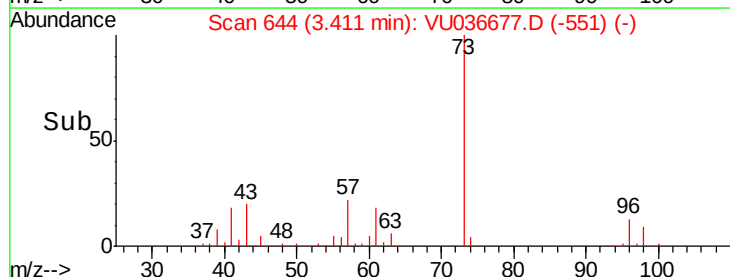
73 100

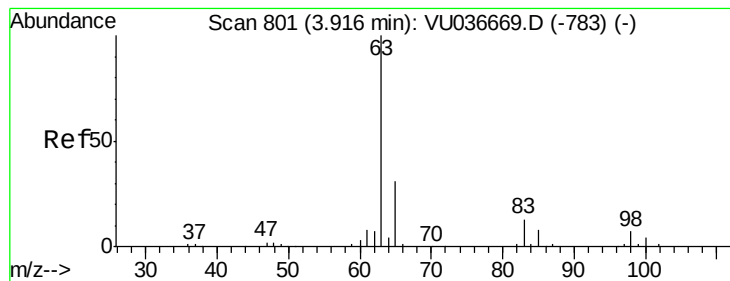
43 19.9 16.6 24.8

57 22.2 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VU036677.D (-551) (-)





#19

1,1-Dichloroethane

Concen: 51.678 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

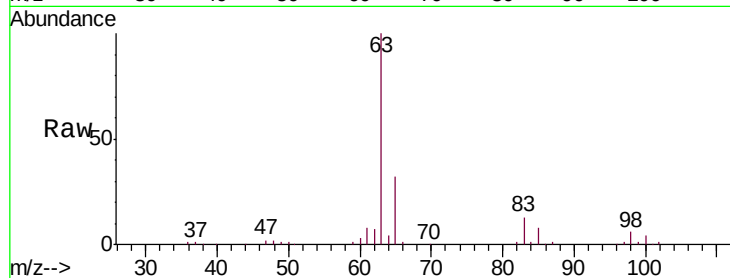
Tgt Ion: 63 Resp: 192205

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

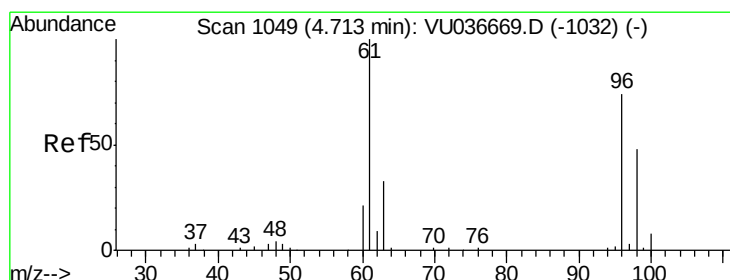
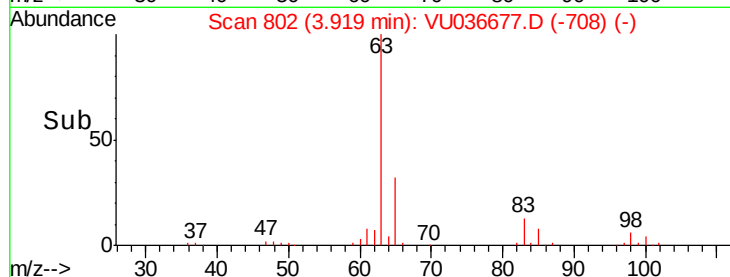
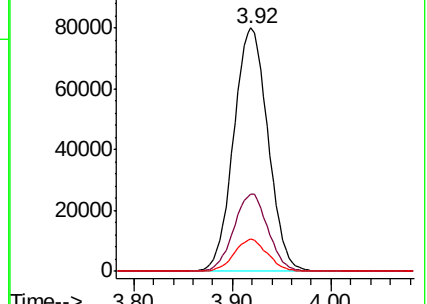
83 13.2 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU036669.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036669.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036669.D (-783) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.814 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

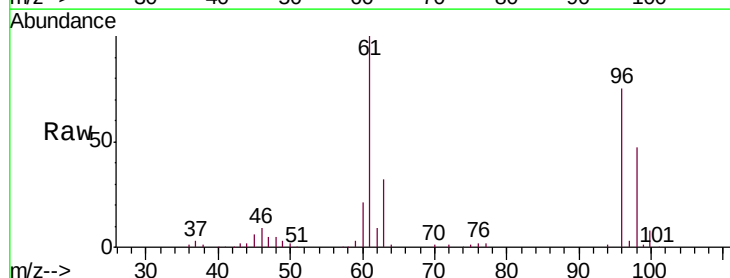
Tgt Ion: 96 Resp: 111196

Ion Ratio Lower Upper

96 100

61 134.2 94.9 176.3

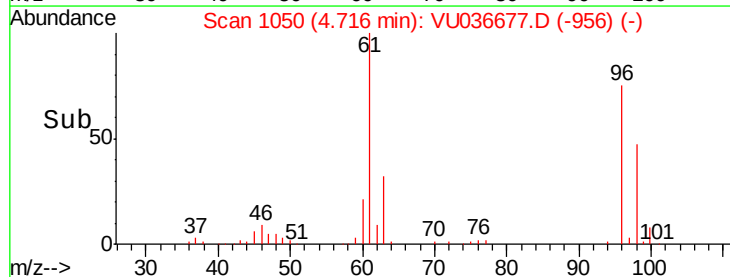
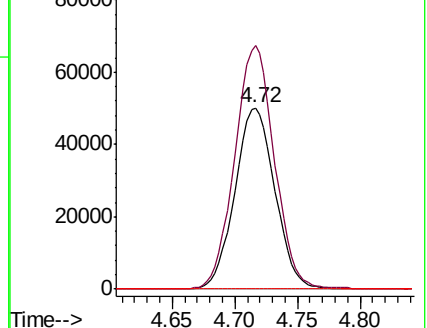
68 0.0 0.0 0.0

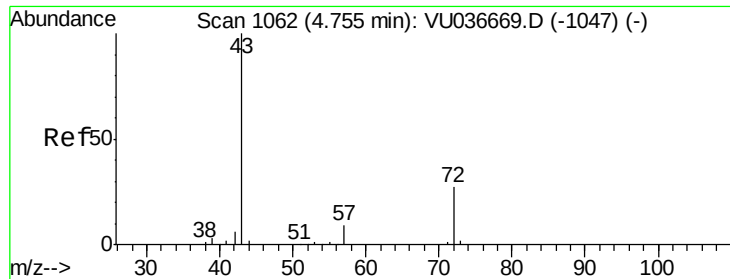


Abundance Ion 96.00 (95.70 to 96.70): VU036669.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036669.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036669.D (-1032) (-)





#22

2-Butanone

Concen: 103.799 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

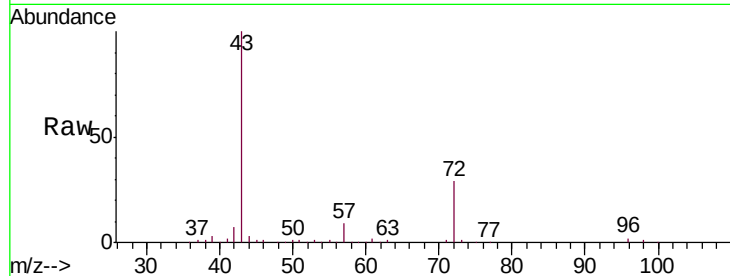
VSTD05054

Tgt Ion: 43 Resp: 186698

Ion Ratio Lower Upper

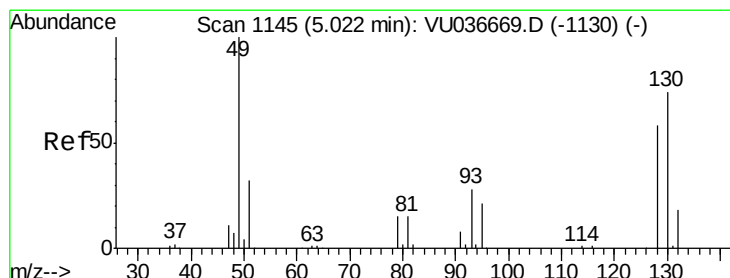
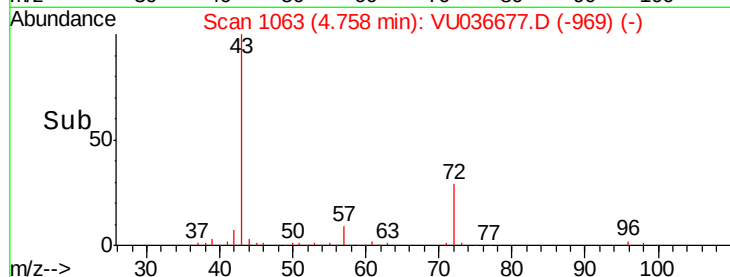
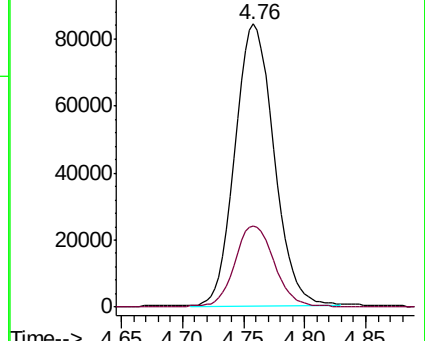
43 100

72 29.7 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036677.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036677.D (-969) (-)



#23

Bromochloromethane

Concen: 51.721 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Tgt Ion: 128 Resp: 50922

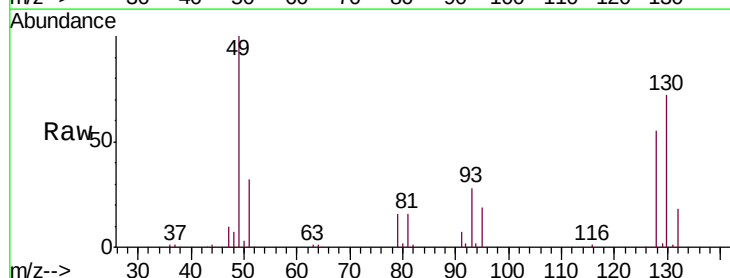
Ion Ratio Lower Upper

128 100

49 181.9 123.8 229.8

130 131.0 87.8 163.2

51 58.5 43.4 65.0

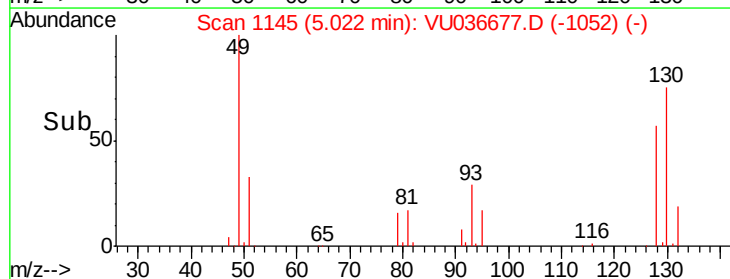
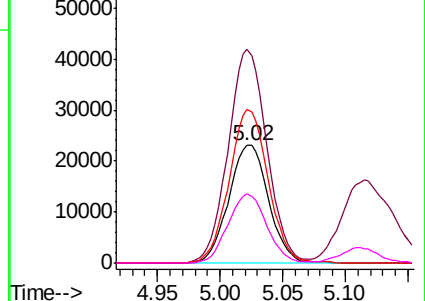


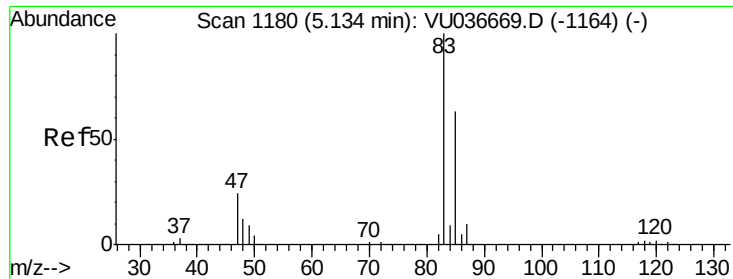
Abundance Ion 128.00 (127.70 to 128.70): VU036677.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036677.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036677.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036677.D (-1052) (-)

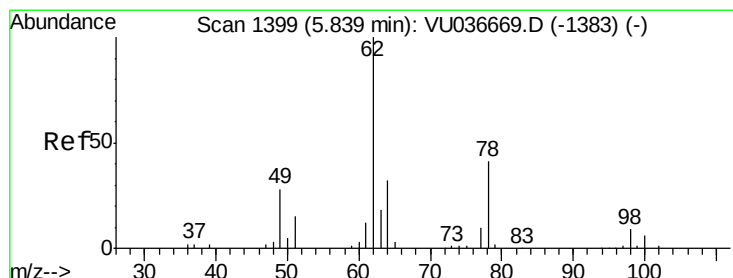
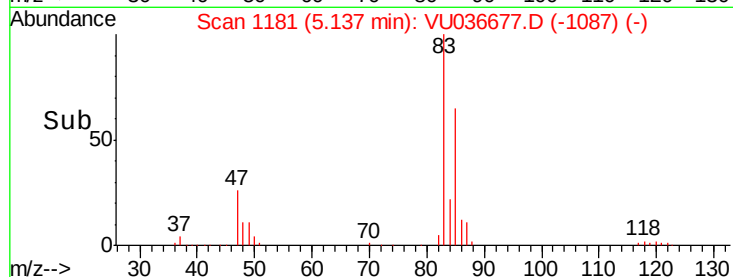
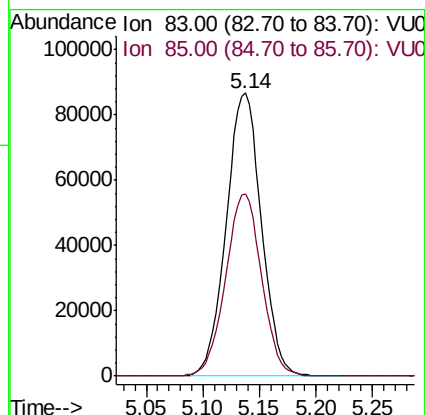
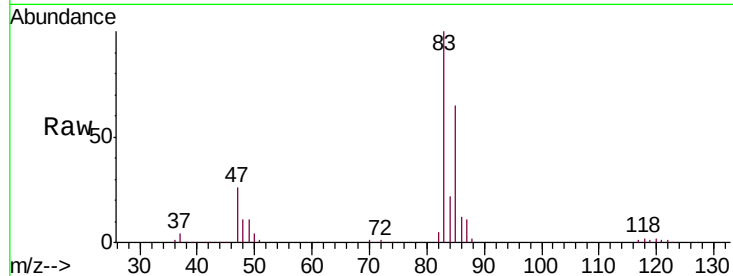




#25
Chloroform
Concen: 52.641 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

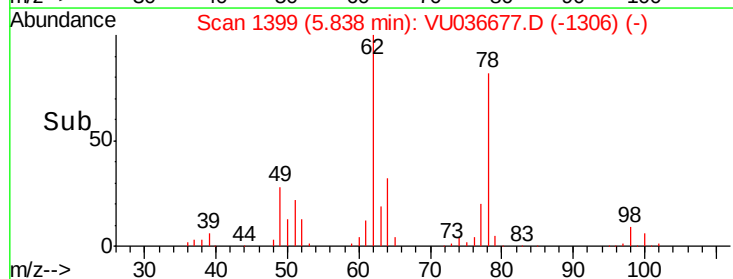
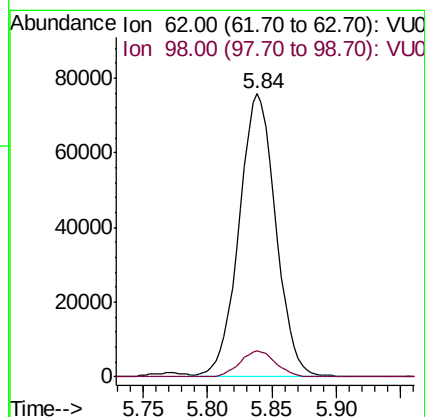
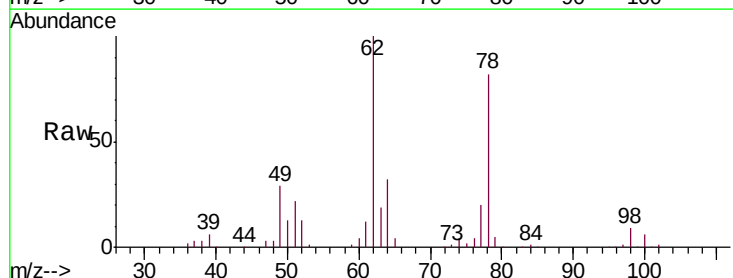
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

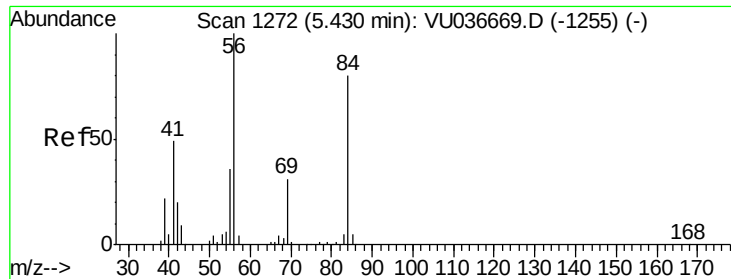
Tgt Ion: 83 Resp: 187834
Ion Ratio Lower Upper
83 100
85 64.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 51.527 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Tgt Ion: 62 Resp: 150307
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

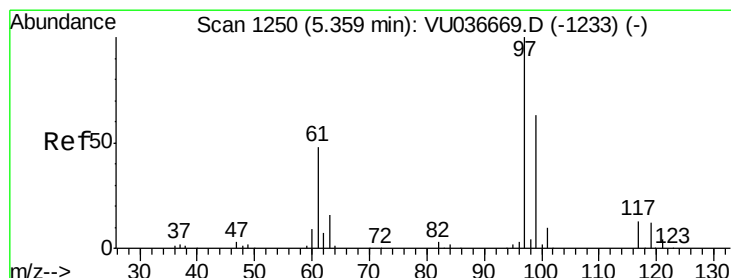
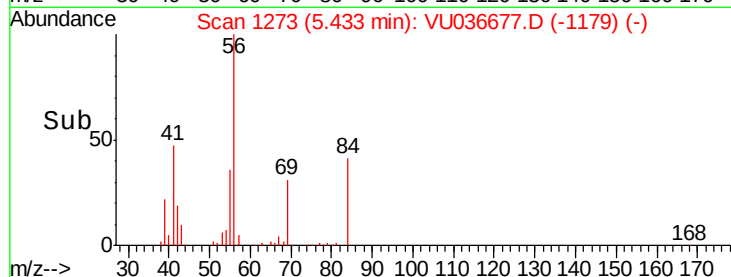
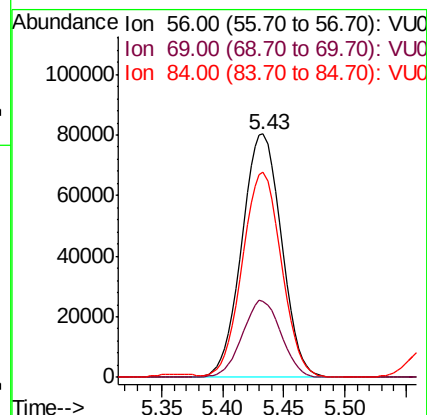
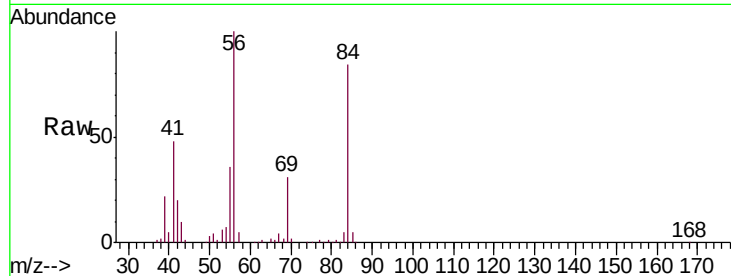




#29
Cyclohexane
Concen: 51.293 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

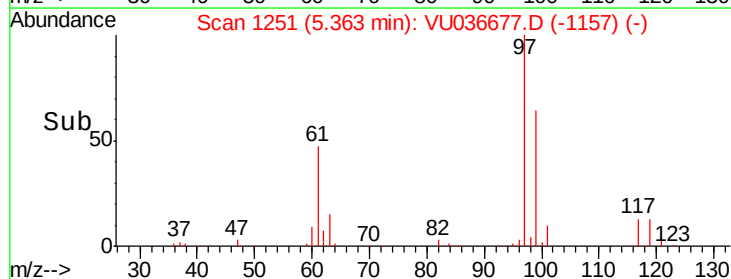
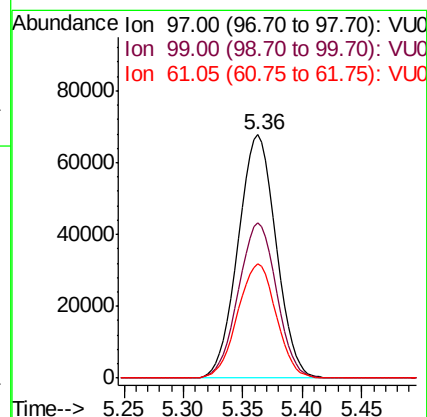
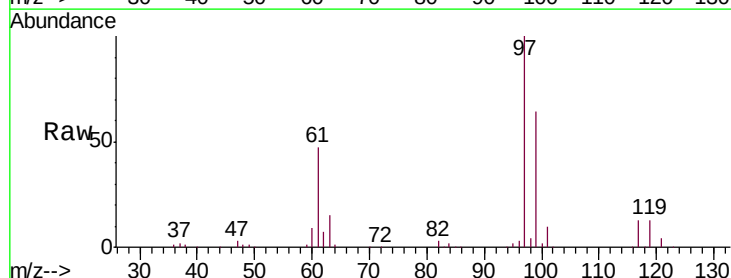
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

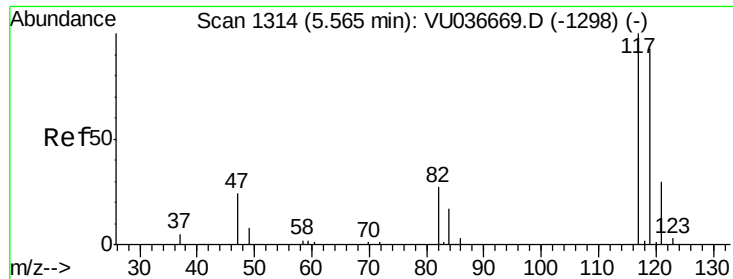
Tgt Ion: 56 Resp: 181000
Ion Ratio Lower Upper
56 100
69 30.9 25.0 37.4
84 83.3 66.2 99.2



#30
1,1,1-Trichloroethane
Concen: 51.749 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Tgt Ion: 97 Resp: 150704
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 47.5 38.2 57.4





#31

Carbon tetrachloride

Concen: 52.289 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

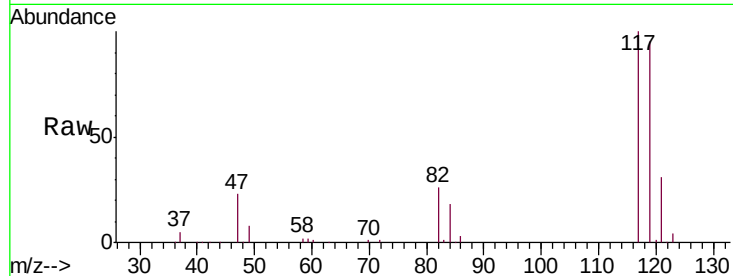
VSTD05054

Tgt Ion:117 Resp: 123548

Ion Ratio Lower Upper

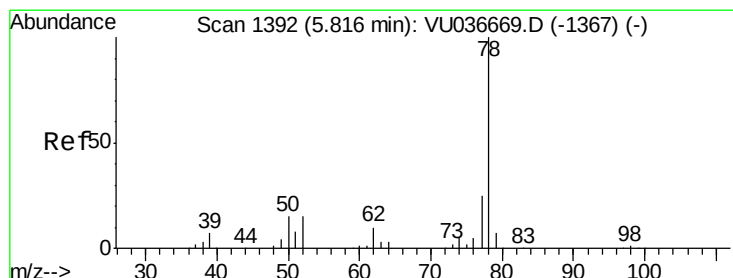
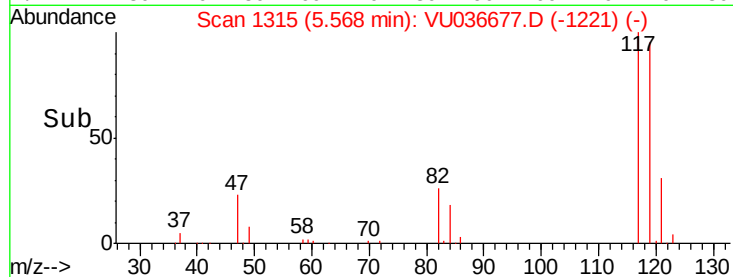
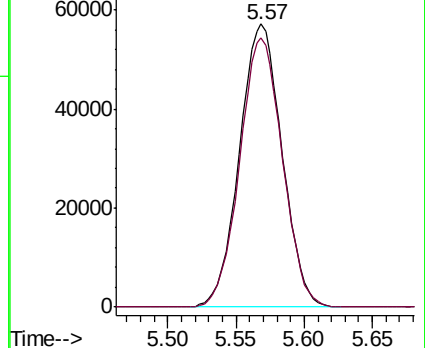
117 100

119 95.3 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: 51.894 ug/L

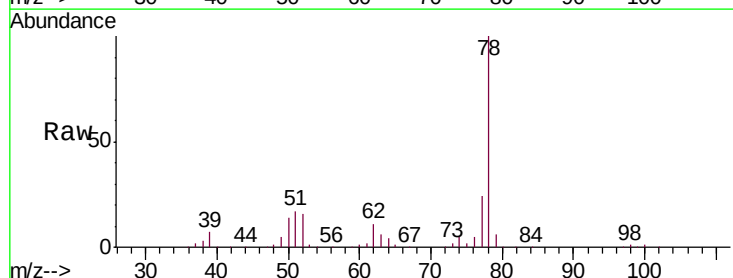
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

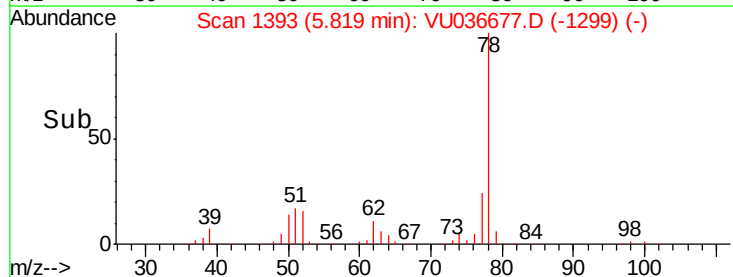
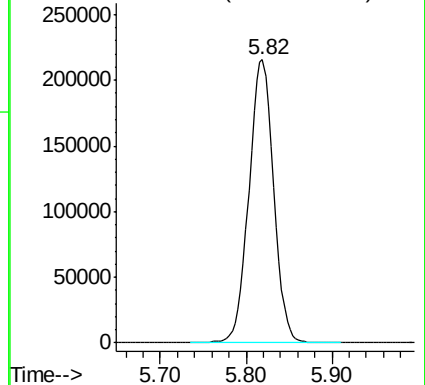
Lab File: VU036677.D

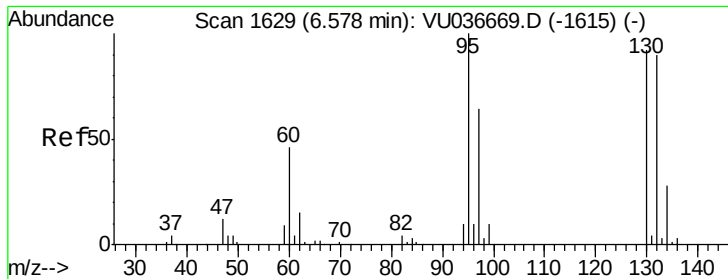
Acq: 03 Feb 2020 18:30

Tgt Ion: 78 Resp: 432194



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.926 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampled :

VSTD05054

Tgt Ion: 95 Resp: 105182

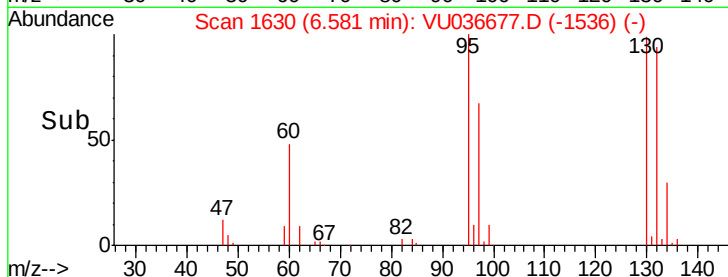
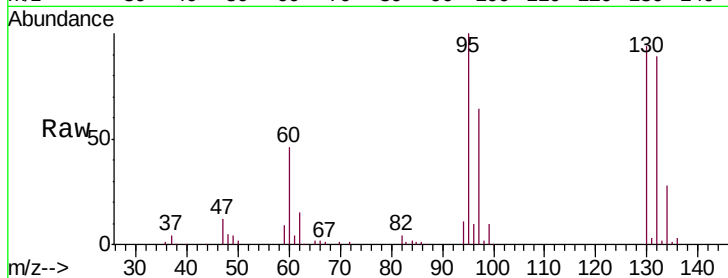
Ion Ratio Lower Upper

95 100

97 63.9 45.4 84.4

132 89.1 63.2 117.4

130 94.1 65.9 122.3

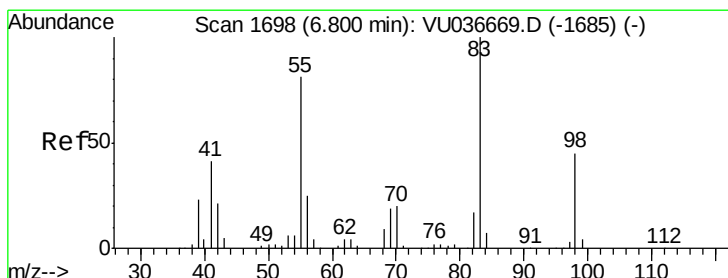
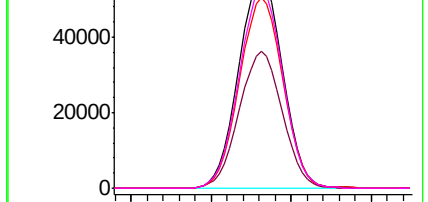


Abundance Ion 95.00 (94.70 to 95.70): VU036669.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU036669.D (-1615) (-)

Ion 132.00 (131.70 to 132.70): VU036669.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU036669.D (-1615) (-)



#35

Methylcyclohexane

Concen: 52.437 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

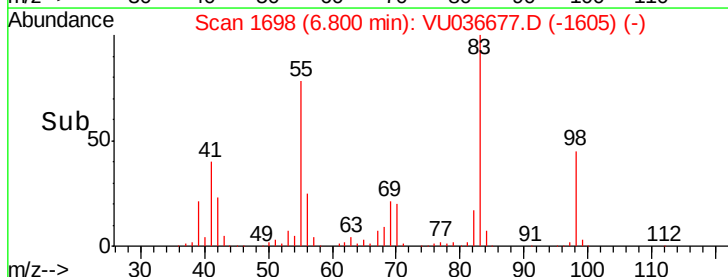
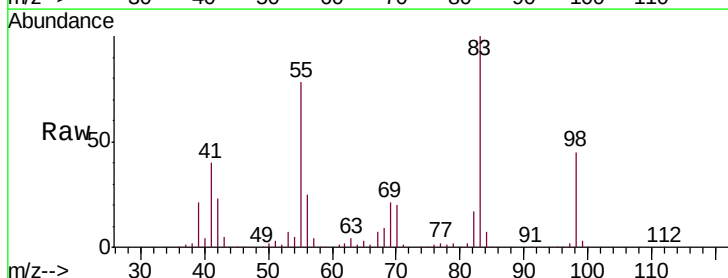
Tgt Ion: 83 Resp: 182013

Ion Ratio Lower Upper

83 100

55 78.1 63.1 94.7

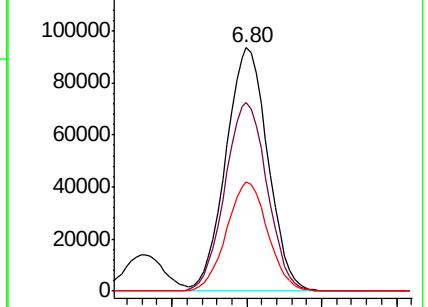
98 44.2 35.0 52.6

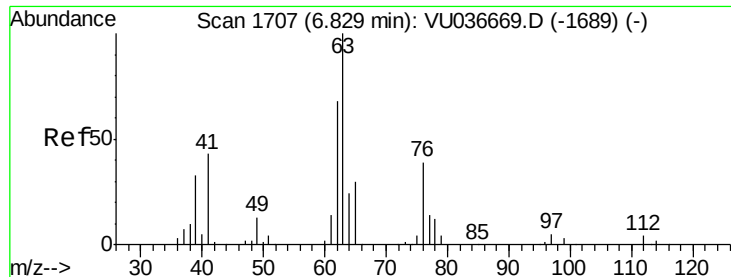


Abundance Ion 83.00 (82.70 to 83.70): VU036669.D (-1685) (-)

Ion 55.00 (54.70 to 55.70): VU036669.D (-1685) (-)

Ion 98.00 (97.70 to 98.70): VU036669.D (-1685) (-)

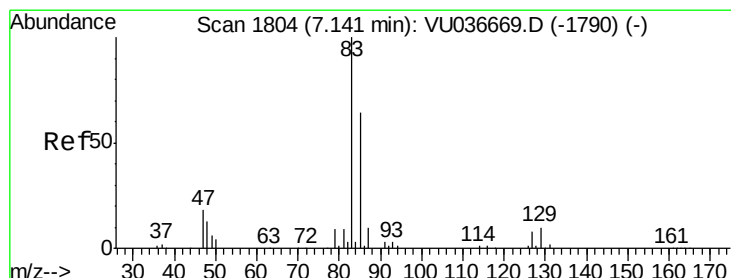
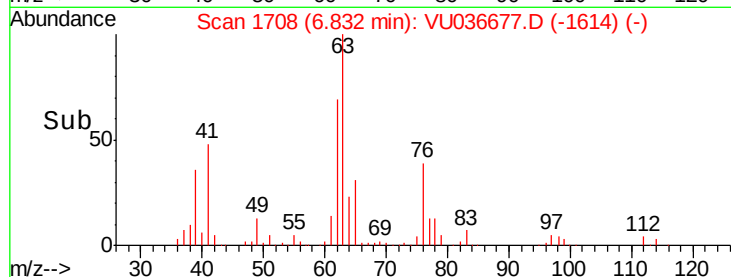
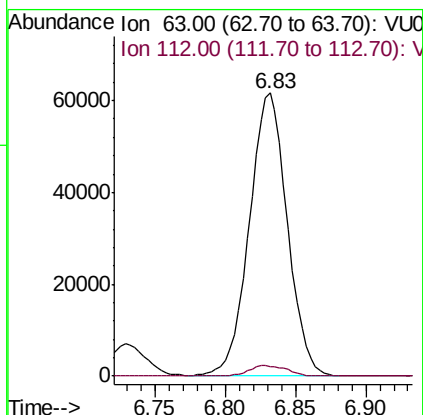
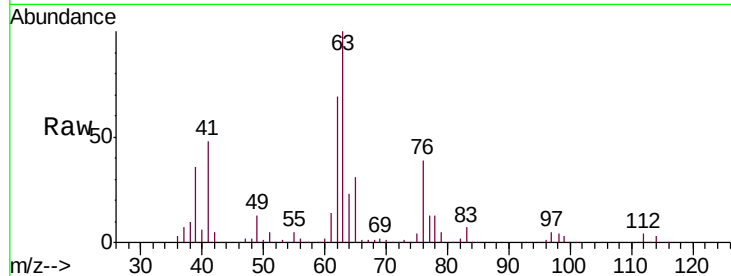




#37
 1,2-Dichloropropane
 Concen: 51.171 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

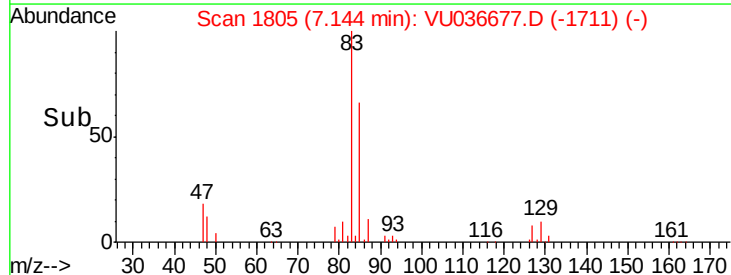
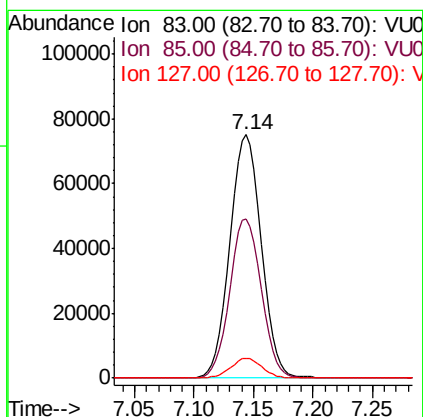
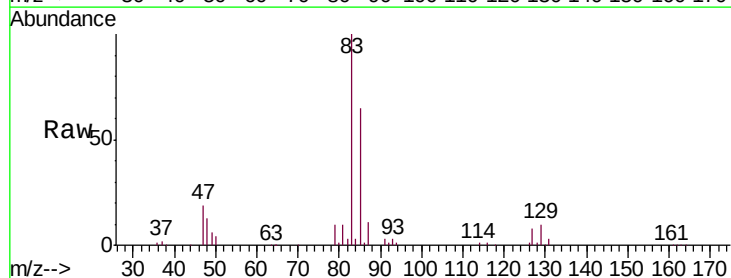
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05054

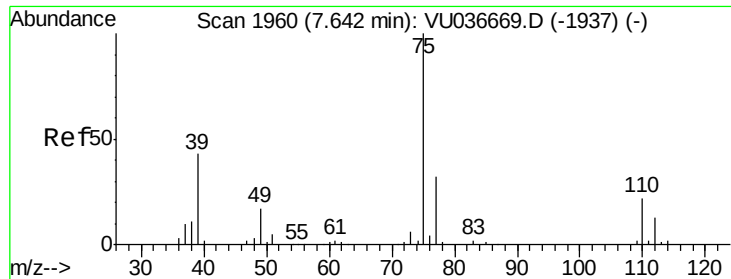
Tgt Ion: 63 Resp: 115525
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.848 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

Tgt Ion: 83 Resp: 138033
 Ion Ratio Lower Upper
 83 100
 85 65.4 43.2 80.2
 127 8.3 6.4 9.6

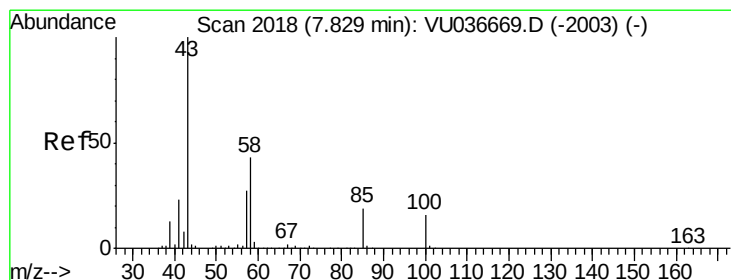
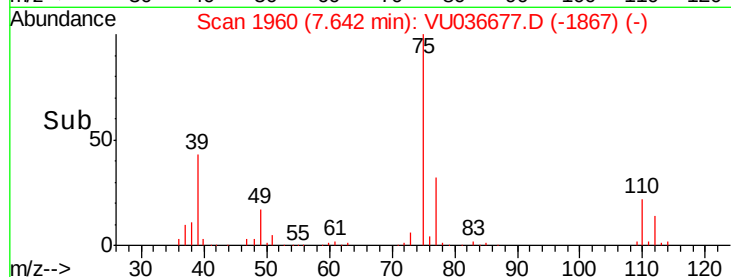
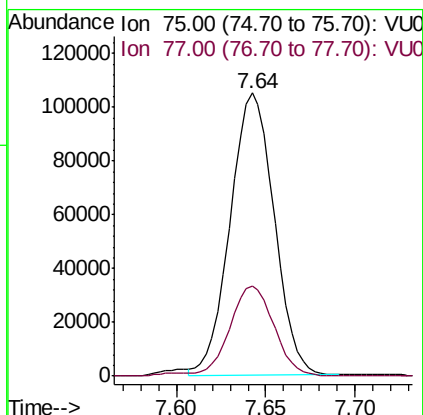
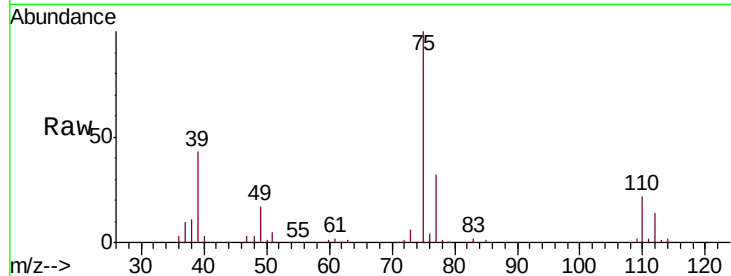




#39
 cis-1,3-Dichloropropene
 Concen: 50.418 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

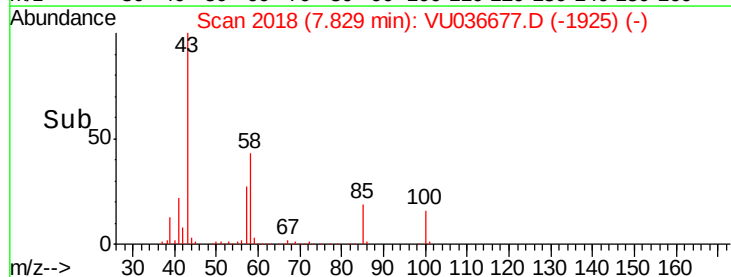
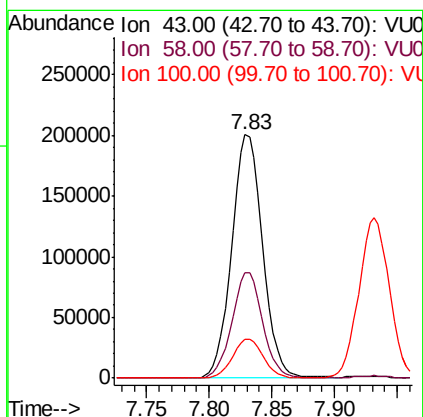
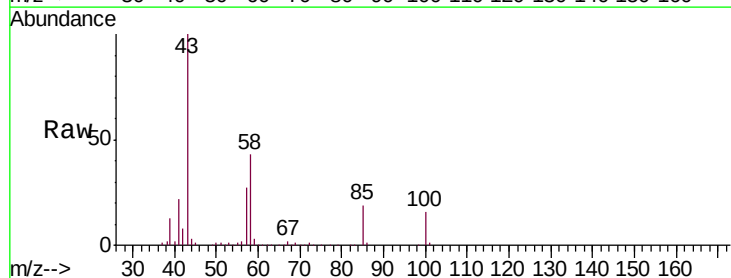
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

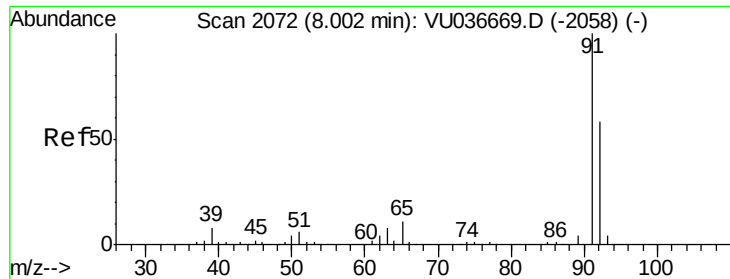
Tgt Ion: 75 Resp: 180162
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 100.805 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

Tgt Ion: 43 Resp: 343701
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.3 49.9
 100 16.0 12.4 18.6





#42

Toluene

Concen: 51.674 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

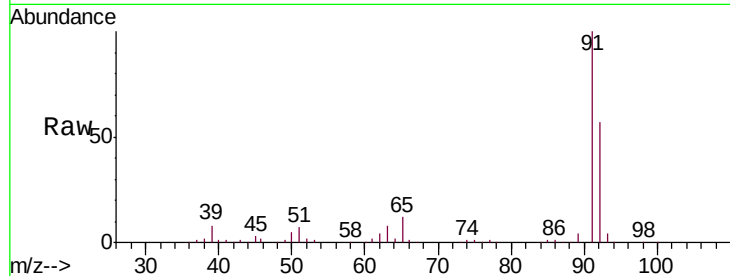
VSTD05054

Tgt Ion: 91 Resp: 461823

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU036669.D (-2058) (-)

Ion 92.00 (91.70 to 92.70): VU036669.D (-2058) (-)

8.00

300000

250000

200000

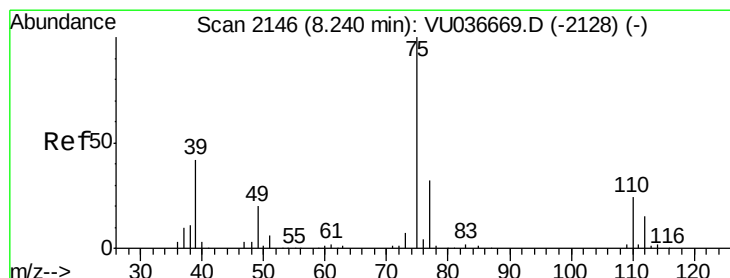
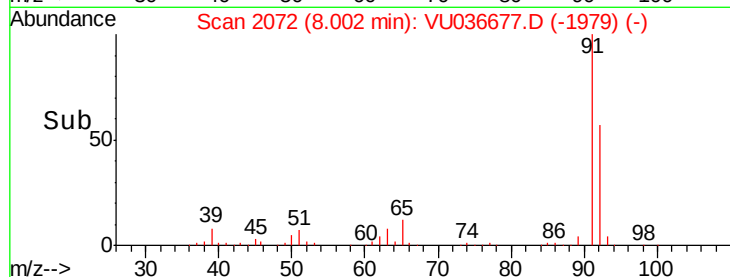
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.832 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036677.D

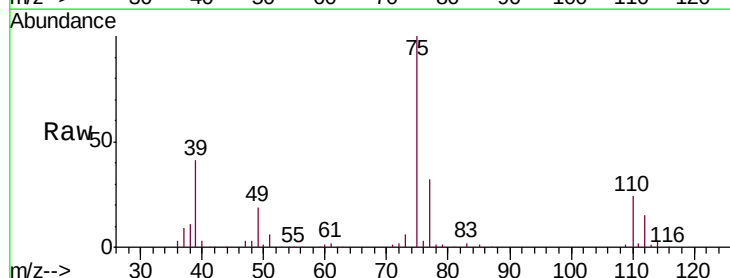
Acq: 03 Feb 2020 18:30

Tgt Ion: 75 Resp: 160359

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU036669.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036669.D (-2128) (-)

8.24

100000

80000

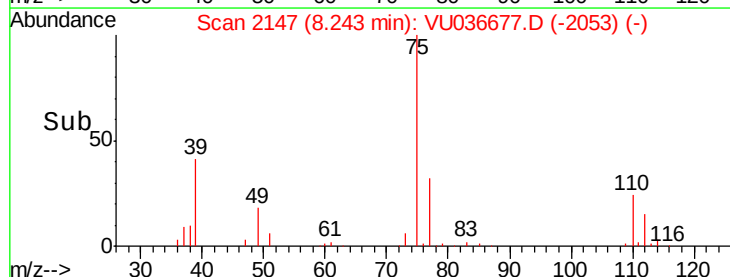
60000

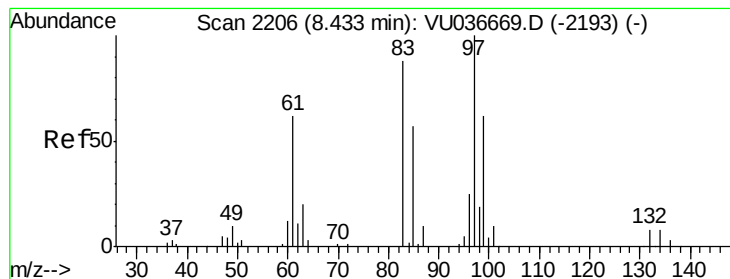
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.982 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 97 Resp: 103868

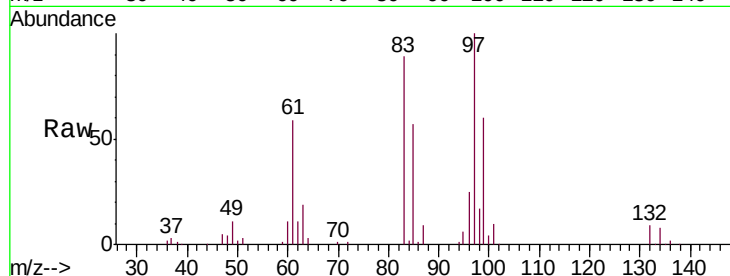
Ion Ratio Lower Upper

97 100

99 60.1 43.4 80.6

83 89.1 63.0 117.0

85 57.1 40.3 74.9



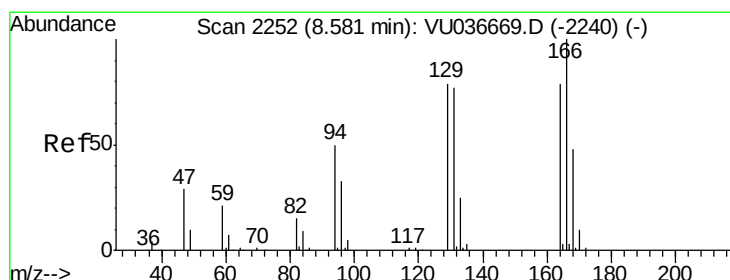
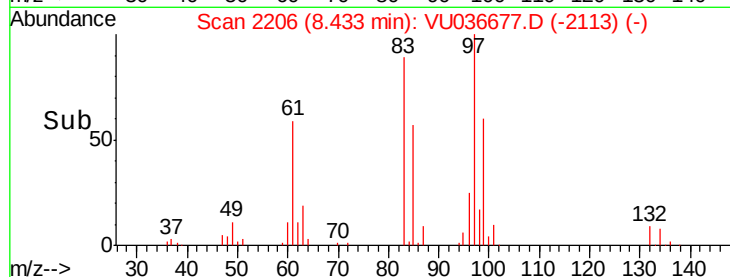
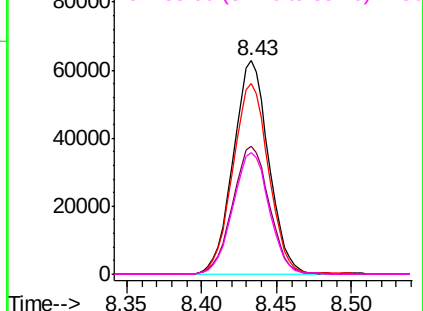
Abundance

Ion 97.00 (96.70 to 97.70): VU036669.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU036669.D (-2193) (-)

Ion 83.00 (82.70 to 83.70): VU036669.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036669.D (-2193) (-)



#46

Tetrachloroethene

Concen: 49.547 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Tgt Ion: 164 Resp: 73867

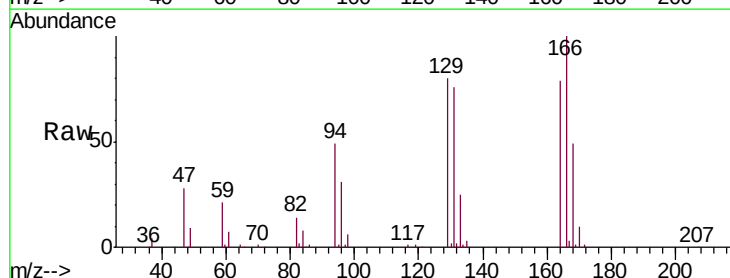
Ion Ratio Lower Upper

164 100

129 100.5 71.1 132.1

131 96.1 66.9 124.3

166 126.4 89.0 165.4



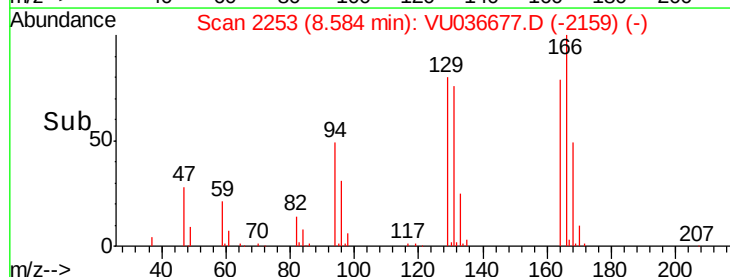
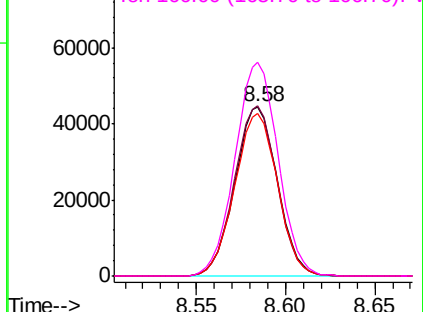
Abundance

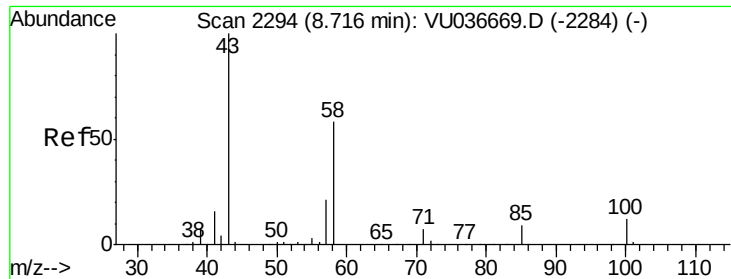
Ion 164.00 (163.70 to 164.70): VU036669.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU036669.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU036669.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU036669.D (-2240) (-)

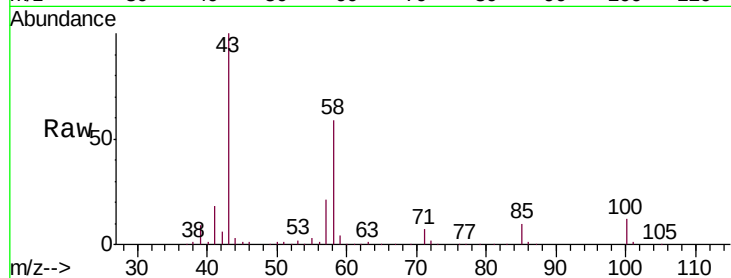




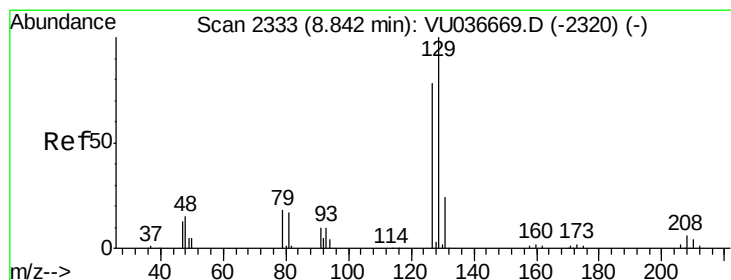
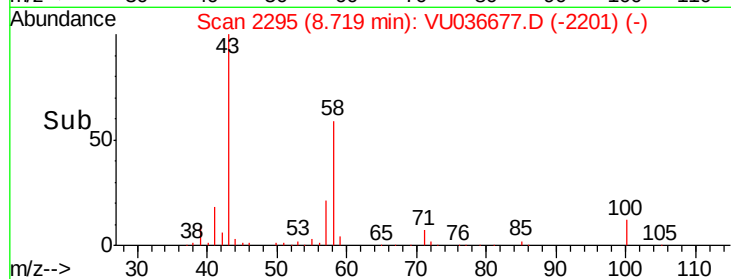
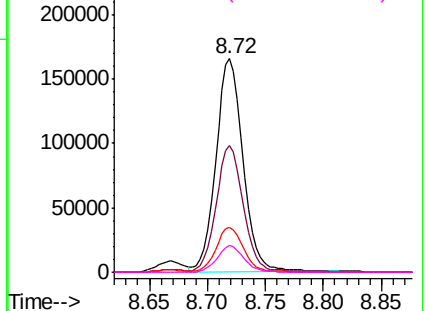
#48
2-Hexanone
Concen: 102.172 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:	43	Resp:	269863
Ion	Ratio	Lower	Upper
43	100		
58	59.4	46.2	69.2
57	20.7	16.3	24.5
100	12.3	9.8	14.6

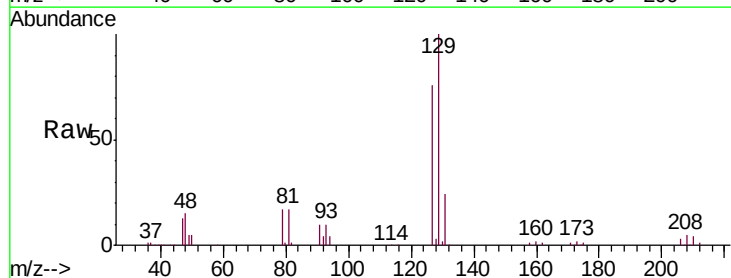


Abundance Ion 43.00 (42.70 to 43.70): VU036669.D (-2284) (-)
Ion 58.00 (57.70 to 58.70): VU036669.D (-2284) (-)
Ion 57.00 (56.70 to 57.70): VU036669.D (-2284) (-)
Ion 100.00 (99.70 to 100.70): VU036669.D (-2284) (-)

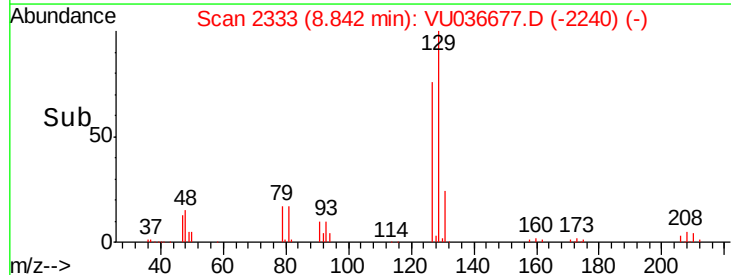
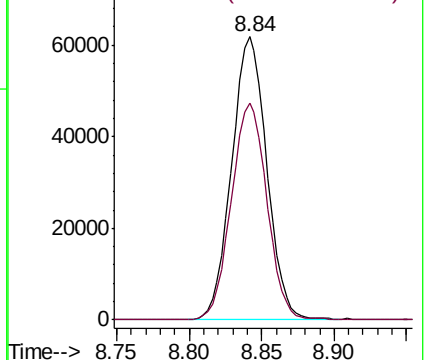


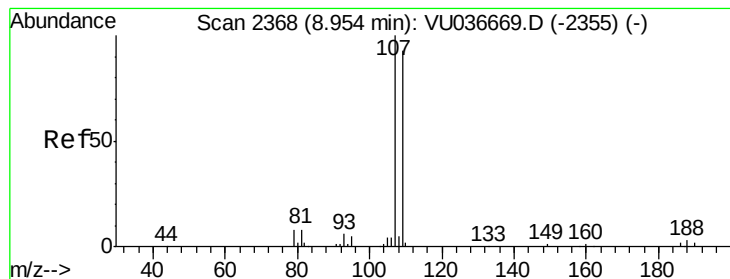
#49
Dibromochloromethane
Concen: 51.988 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Tgt Ion:	129	Resp:	104237
Ion	Ratio	Lower	Upper
129	100		
127	76.4	52.4	97.2



Abundance Ion 129.00 (128.70 to 129.70): VU036669.D (-2320) (-)
Ion 127.00 (126.70 to 127.70): VU036669.D (-2320) (-)





#50

1,2-Dibromoethane

Concen: 51.140 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

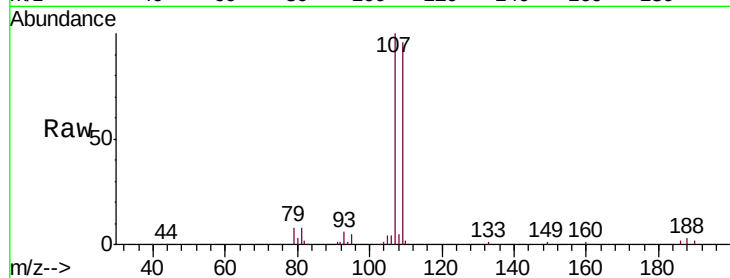
Tgt Ion:107 Resp: 109807

Ion Ratio Lower Upper

107 100

109 95.9 64.5 119.7

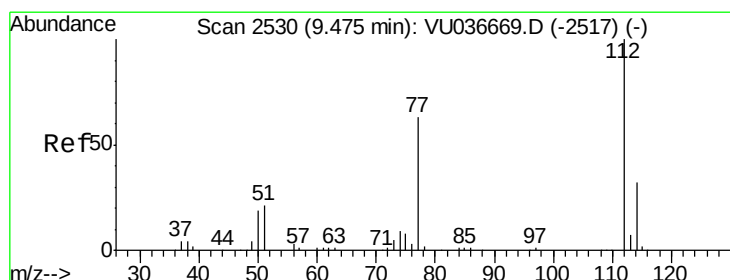
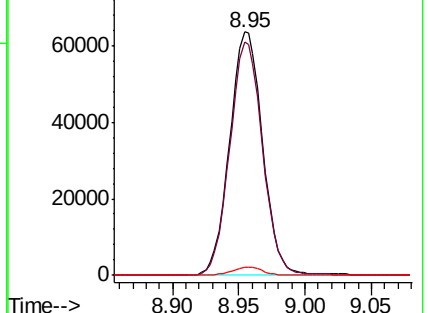
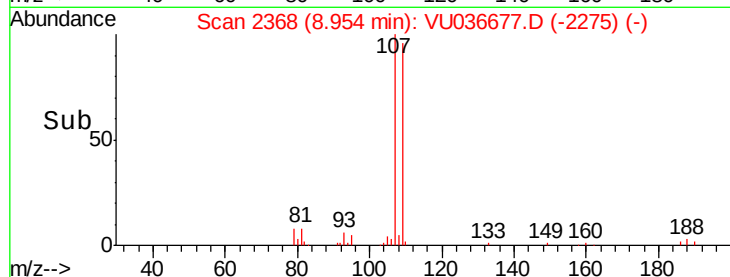
188 3.3 2.5 3.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.905 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

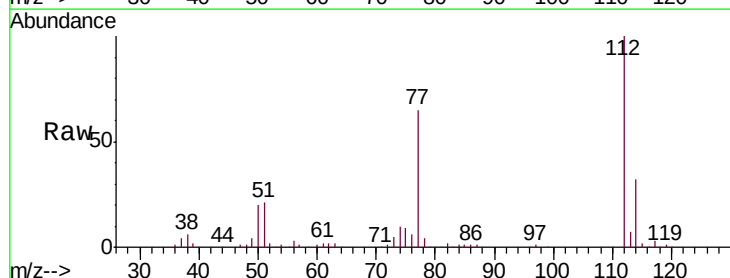
Tgt Ion:112 Resp: 270739

Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.9

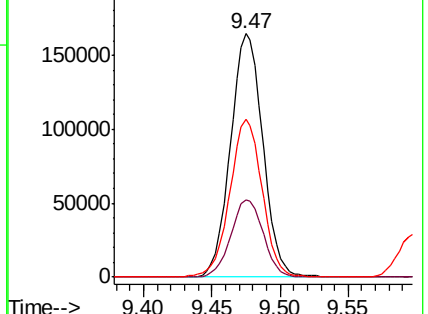
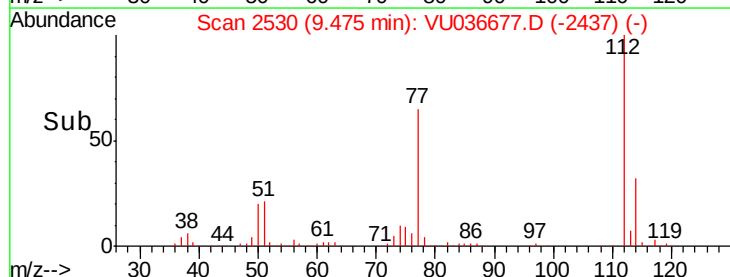
77 64.7 51.4 77.2

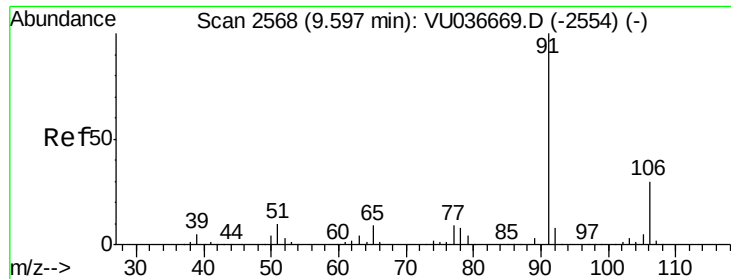


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.648 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

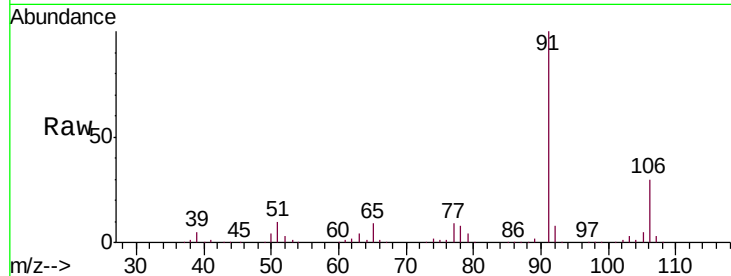
VSTD05054

Tgt Ion: 91 Resp: 506015

Ion Ratio Lower Upper

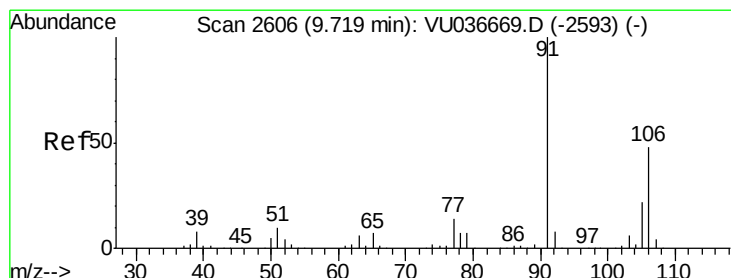
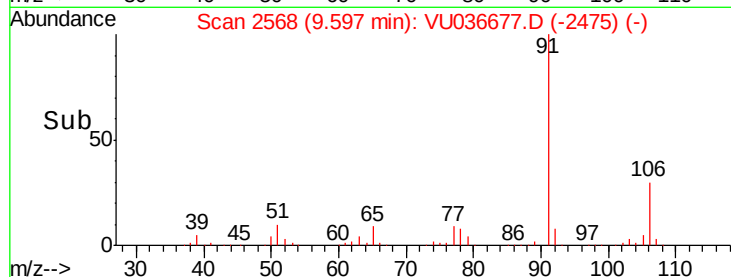
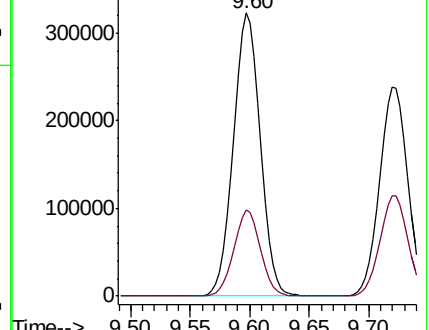
91 100

106 30.3 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036669.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036669.D (-2554) (-)



#53

m,p-Xylene

Concen: 51.957 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036677.D

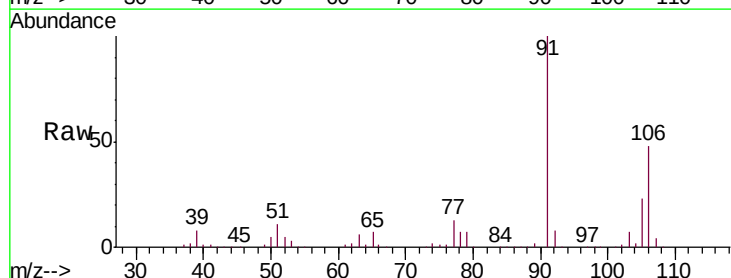
Acq: 03 Feb 2020 18:30

Tgt Ion: 106 Resp: 187747

Ion Ratio Lower Upper

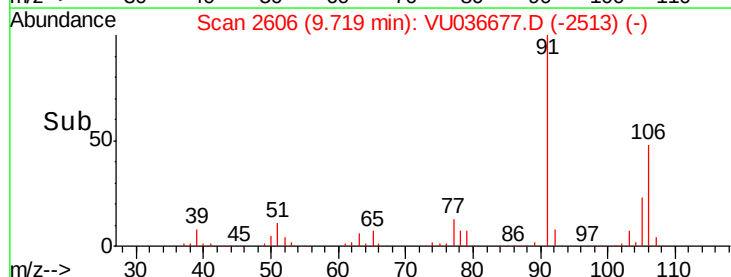
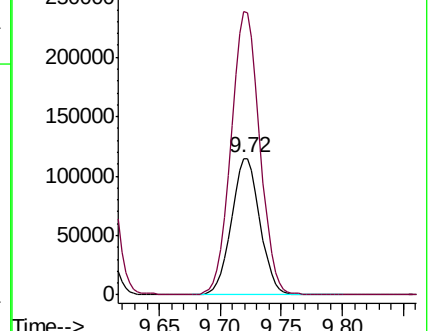
106 100

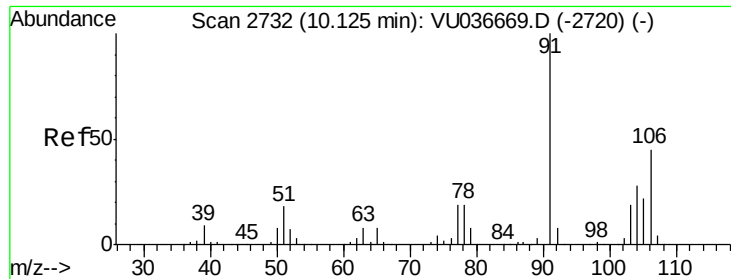
91 207.1 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036669.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036669.D (-2593) (-)

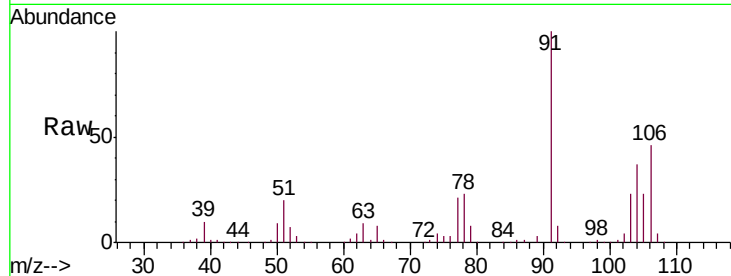




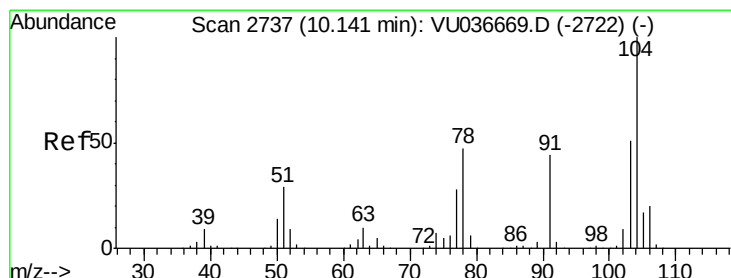
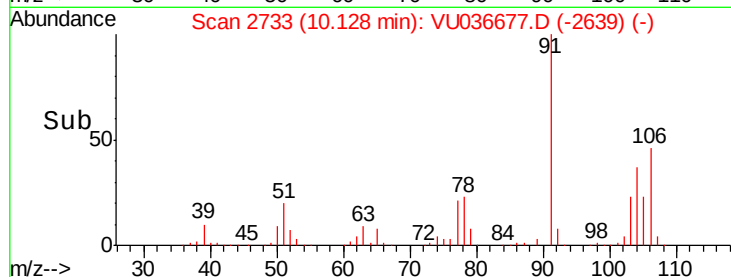
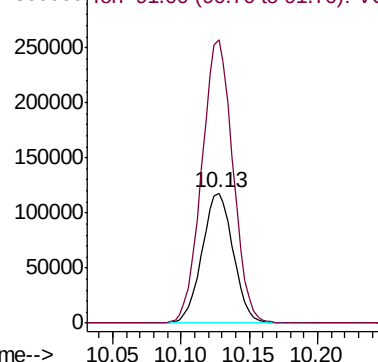
#54
o-xylene
Concen: 51.381 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:106 Resp: 187034
Ion Ratio Lower Upper
106 100
91 217.9 154.9 287.7

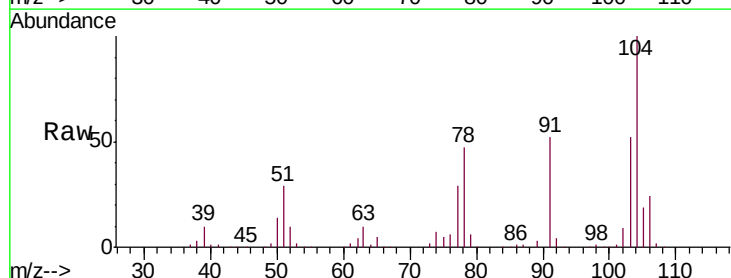


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

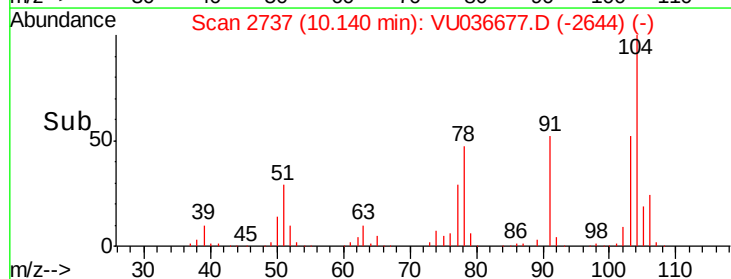
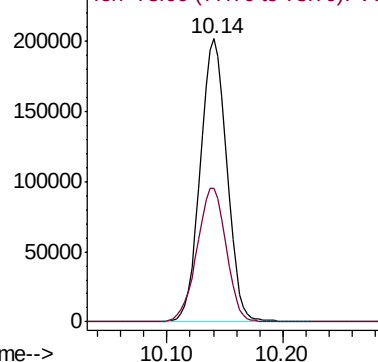


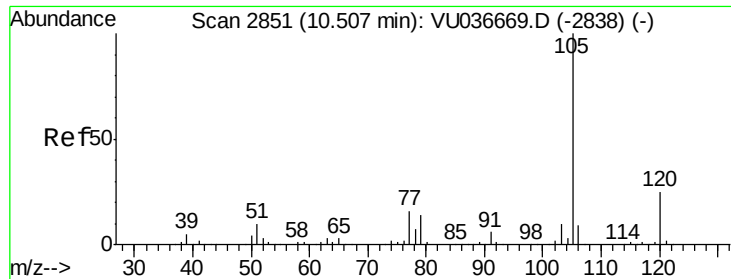
#55
Styrene
Concen: 51.392 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036677.D
Acq: 03 Feb 2020 18:30

Tgt Ion:104 Resp: 317989
Ion Ratio Lower Upper
104 100
78 47.4 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.961 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

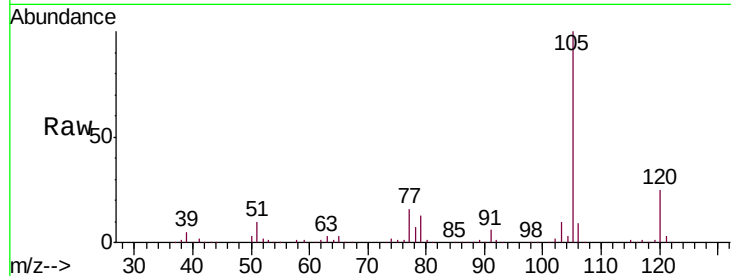
Tgt Ion:105 Resp: 487946

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

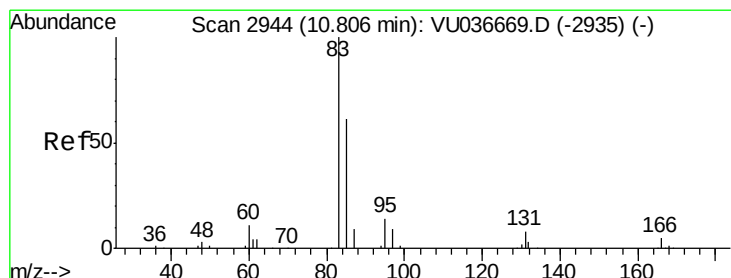
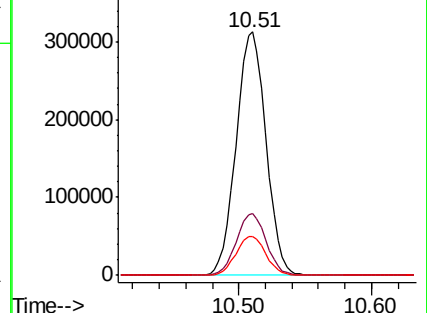
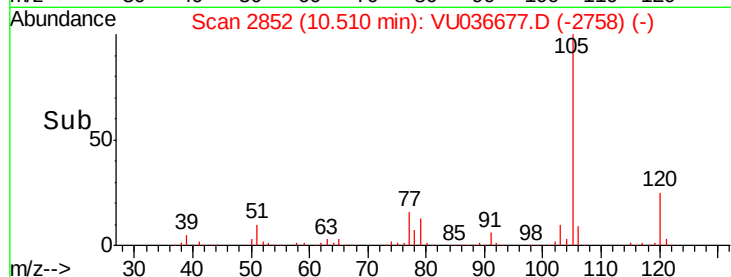
77 16.1 13.0 19.6



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: 50.932 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

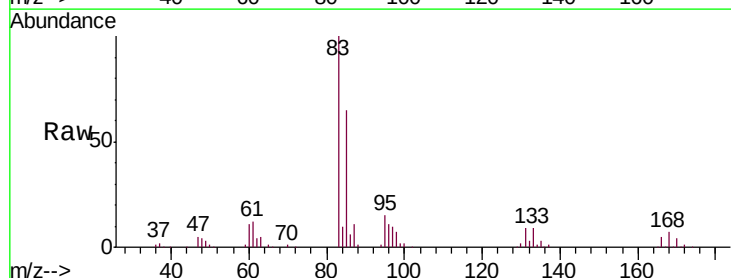
Tgt Ion: 83 Resp: 187143

Ion Ratio Lower Upper

83 100

85 64.8 44.3 82.3

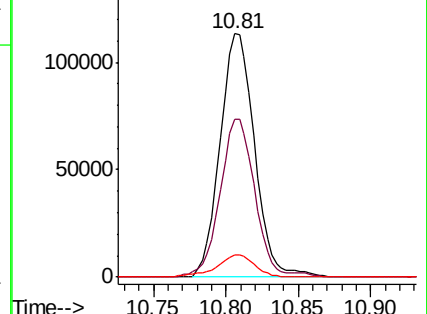
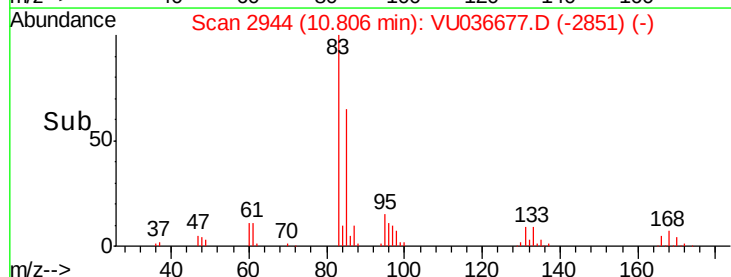
131 9.1 6.8 10.2

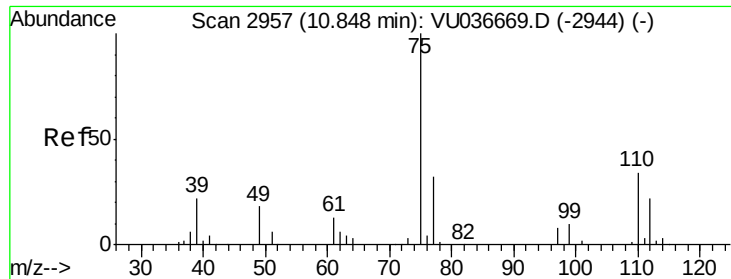


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.479 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

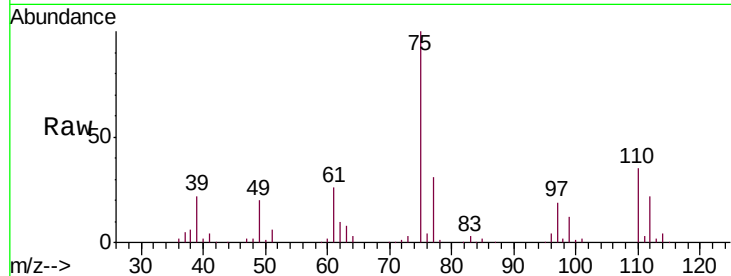
VSTD05054

Tgt Ion: 75 Resp: 151264

Ion Ratio Lower Upper

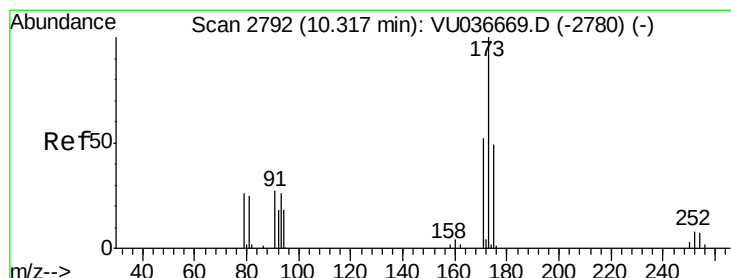
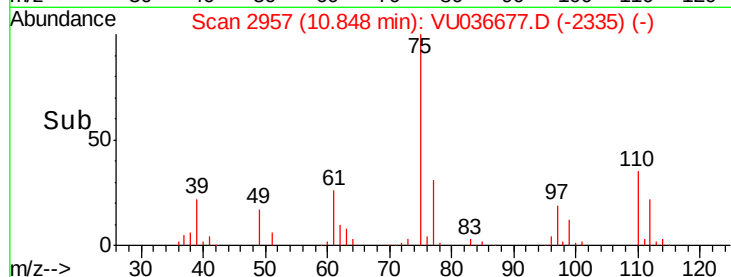
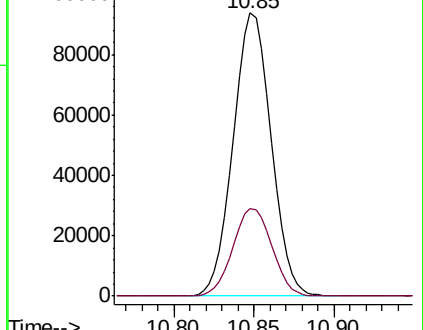
75 100

77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU036669.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036669.D (-2944) (-)



#61

Bromoform

Concen: 49.694 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

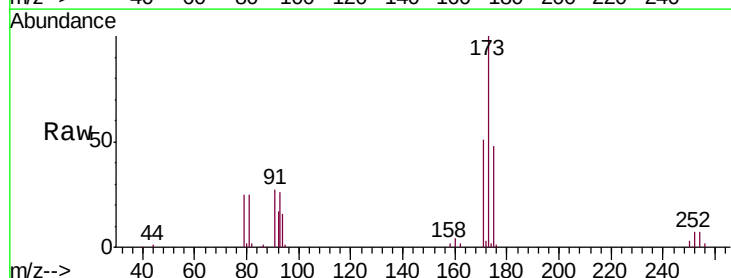
Tgt Ion: 173 Resp: 74683

Ion Ratio Lower Upper

173 100

175 48.0 38.6 58.0

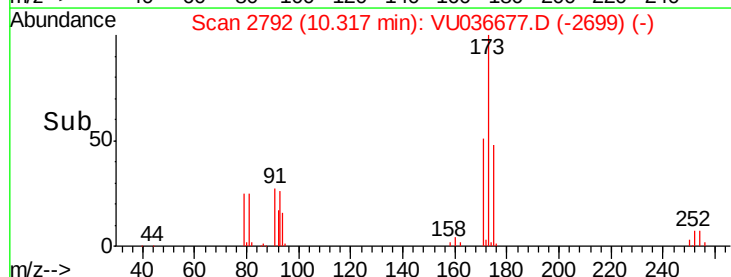
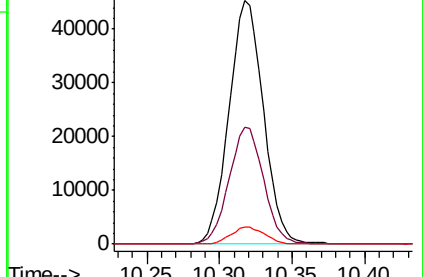
254 6.8 6.0 9.0

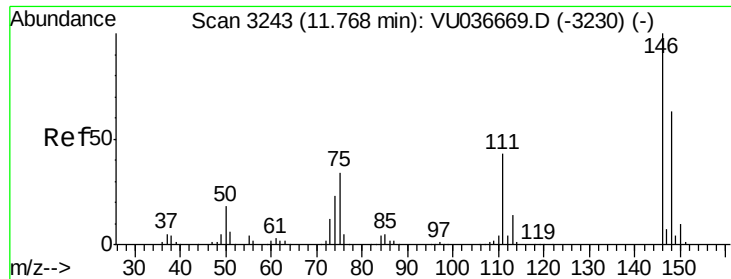


Abundance Ion 173.00 (172.70 to 173.70): VU036669.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036669.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036669.D (-2780) (-)

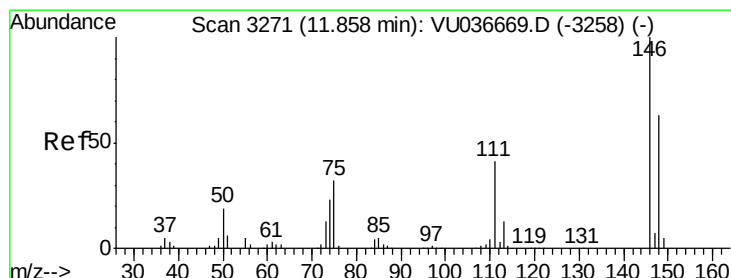
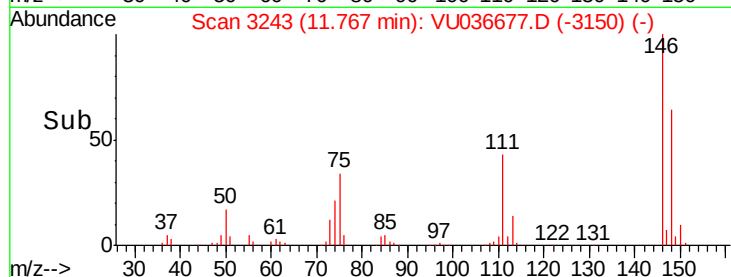
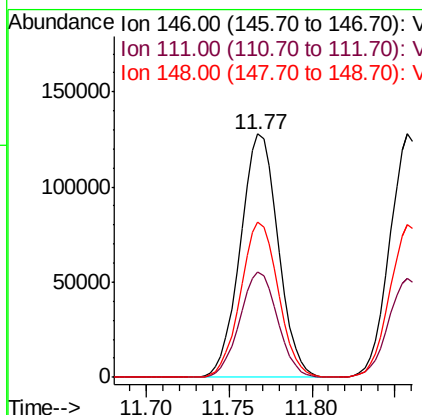
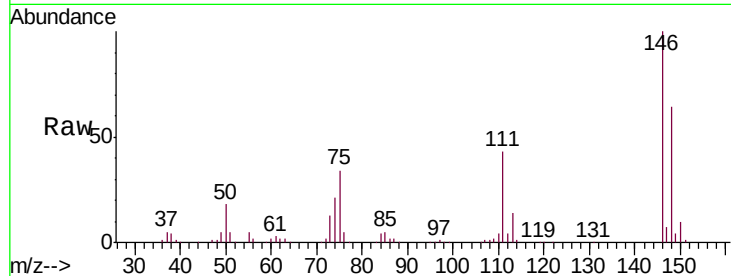




#62
 1,3-Dichlorobenzene
 Concen: 50.727 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

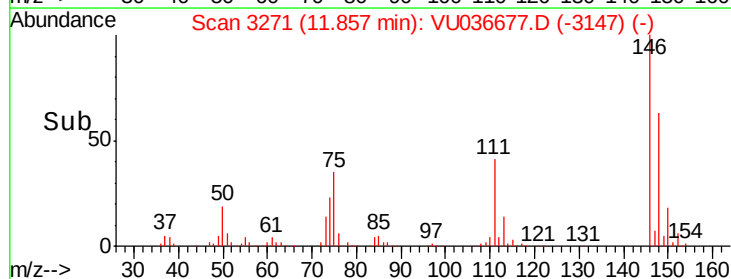
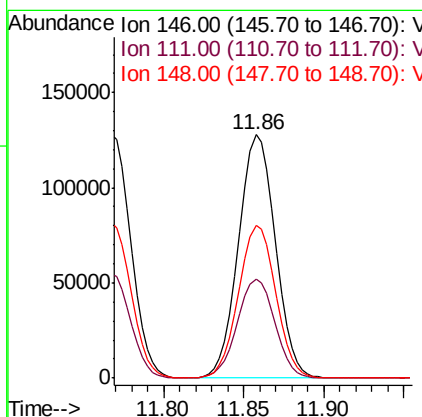
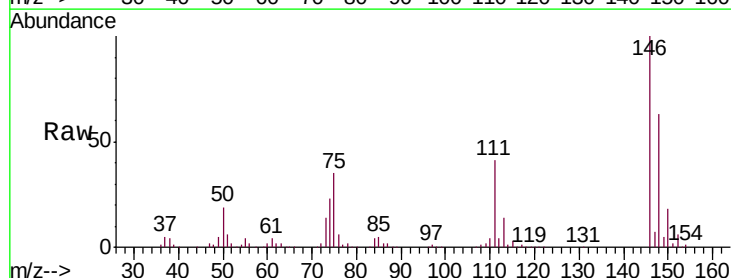
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

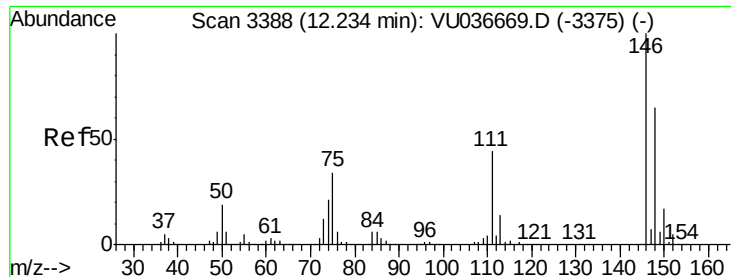
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	30.6	56.8
148	63.7	45.1	83.9



#63
 1,4-Dichlorobenzene
 Concen: 50.532 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	29.0	53.8
148	62.7	45.1	83.7





#65

1,2-Dichlorobenzene

Concen: 50.590 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

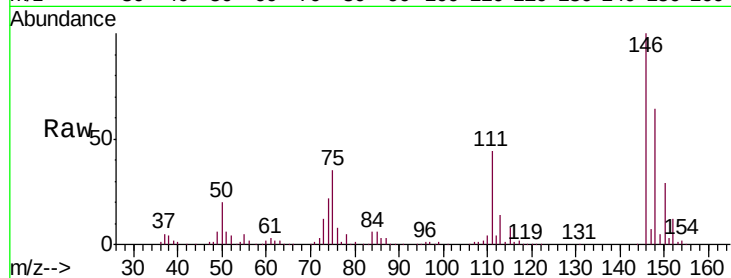
Tgt Ion:146 Resp: 203512

Ion Ratio Lower Upper

146 100

111 44.3 35.6 53.4

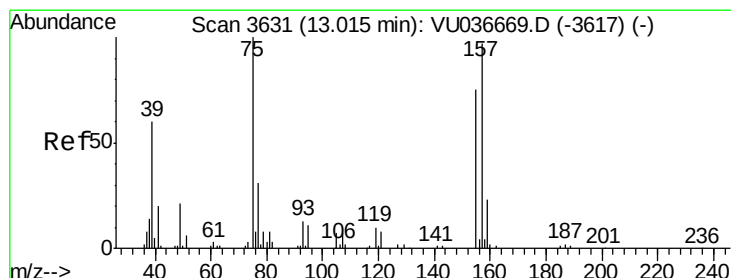
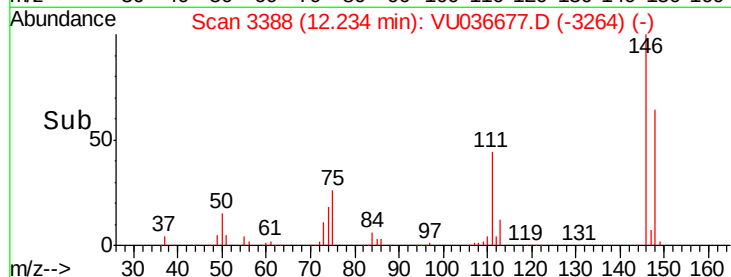
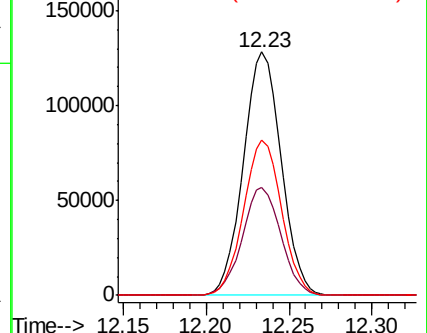
148 63.8 50.6 76.0



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: 52.305 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

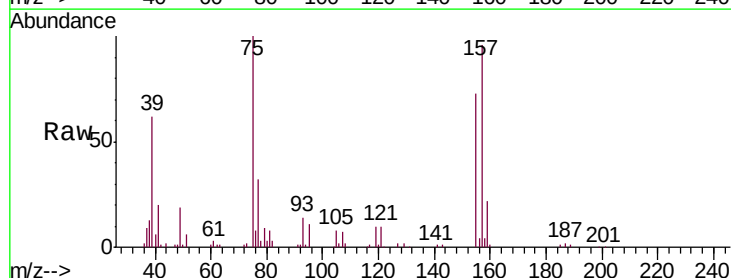
Tgt Ion: 75 Resp: 43755

Ion Ratio Lower Upper

75 100

155 73.4 60.2 90.4

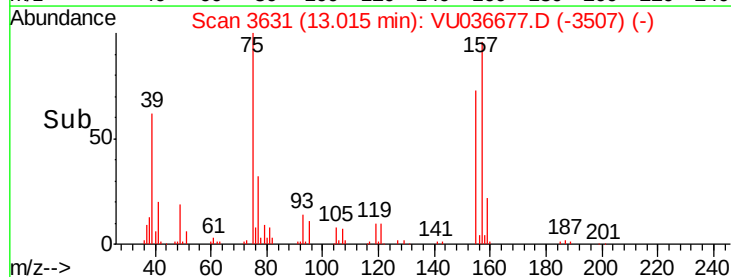
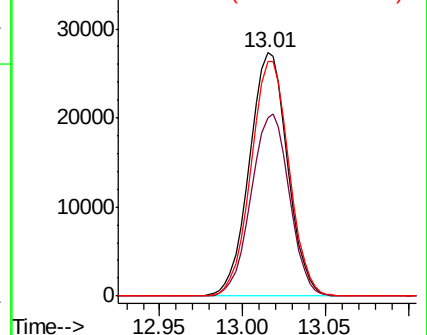
157 96.5 76.7 115.1

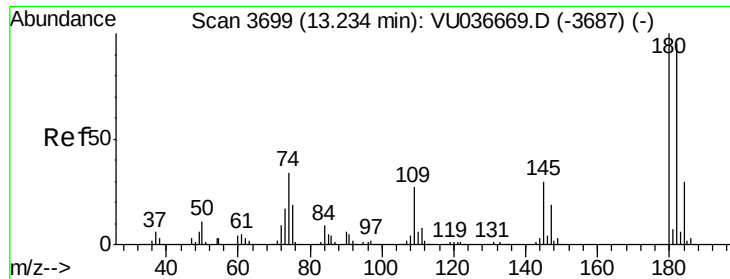


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

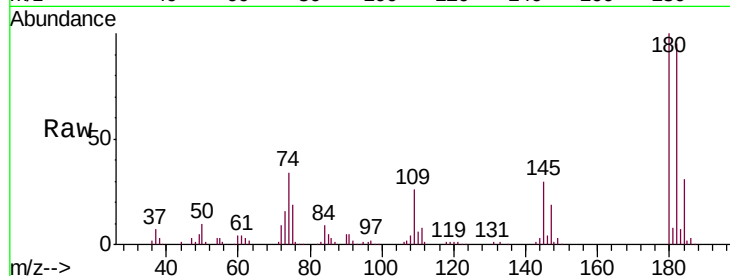




#67
 1,3,5-Trichlorobenzene
 Concen: 53.350 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.4
184	30.5	24.0	36.0
145	30.4	24.7	37.1



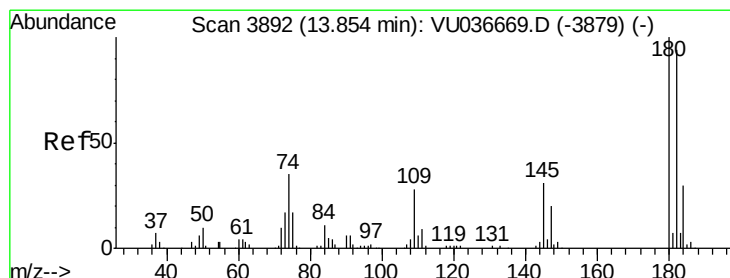
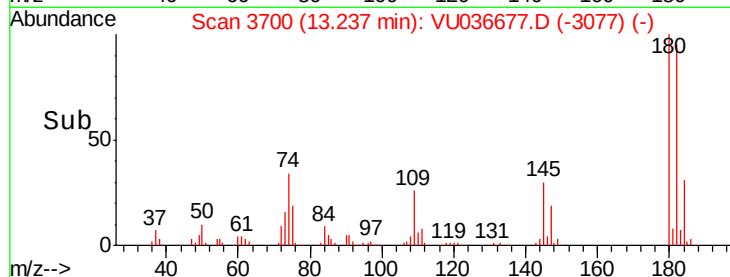
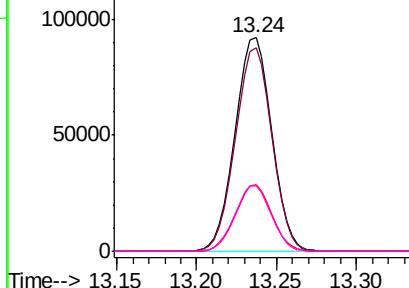
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

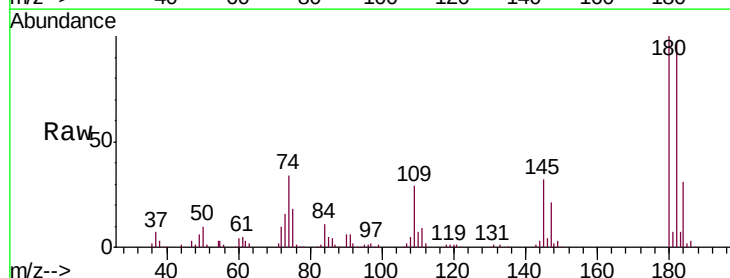
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.208 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036677.D
 Acq: 03 Feb 2020 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.2	112.8
145	31.8	25.6	38.4

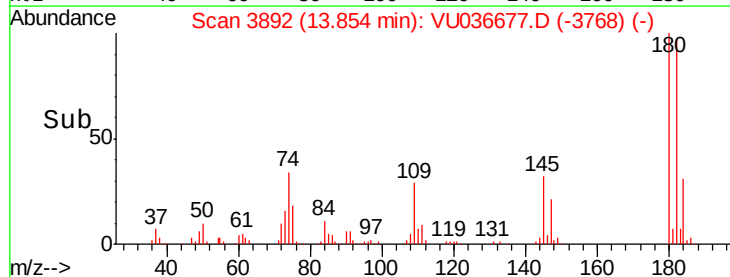
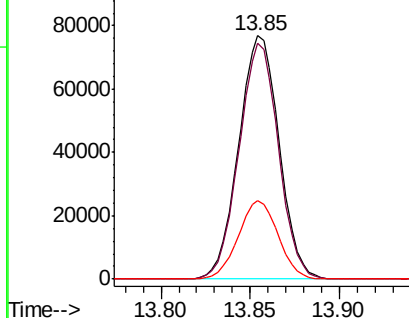


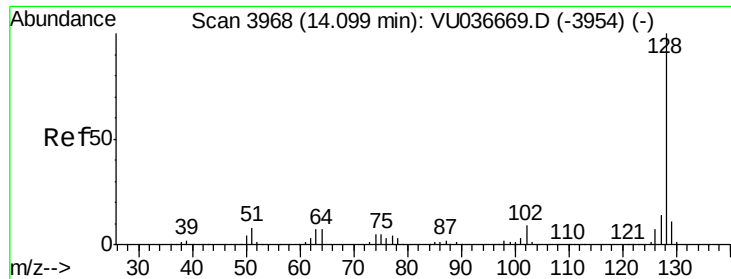
Abundance

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: 50.468 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

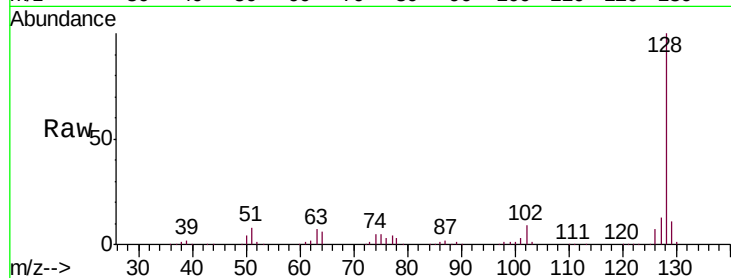
Tgt Ion:128 Resp: 433532

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

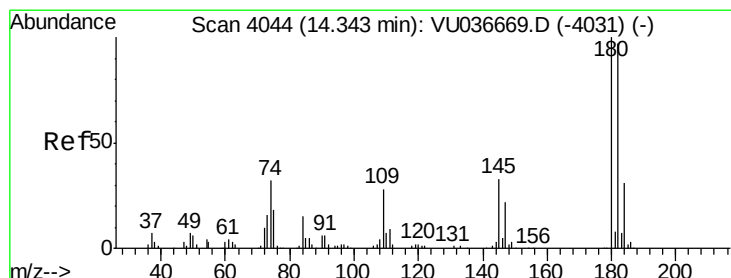
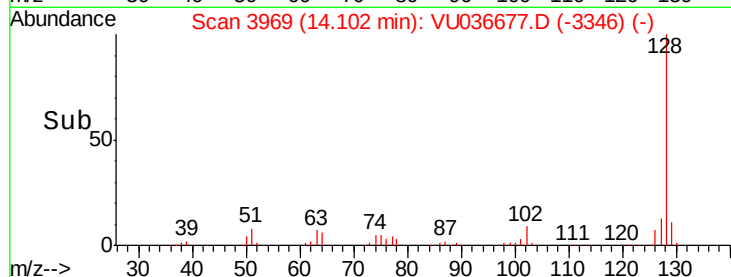
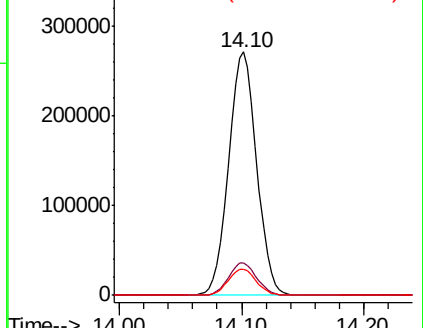
129 11.0 8.5 12.7



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: 52.170 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. -0.00 min

Lab File: VU036677.D

Acq: 03 Feb 2020 18:30

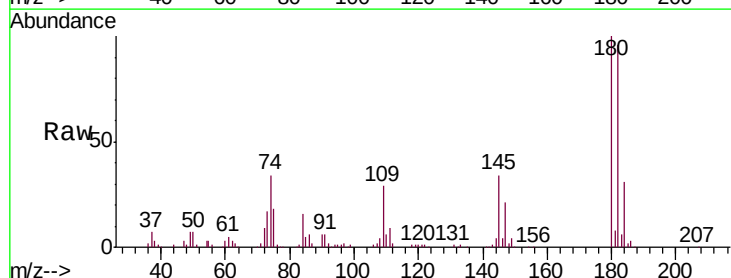
Tgt Ion:180 Resp: 120853

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.0

145 33.7 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

