

Data File : VU036802.D
Acq On : 17 Feb 2020 10:59
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Quant Time: Feb 18 00:43:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Feb 17 10:22:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	123418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	114616	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	51337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	44506	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.93	69	42958	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.59	63	80940	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.67	46	127699	57.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.74%
24) Chloroform-d	5.11	84	84927	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.74	65	47073	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.76	84	174856	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.73	67	56991	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.92	98	158491	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.21	79	21746	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.66	63	106517	54.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.52%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	45294	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	50990	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41854	5.135	ug/L 98
3) Chloromethane	1.54	50	44868	5.289	ug/L 97
5) Vinyl chloride	1.62	62	52658	5.314	ug/L 97
6) Bromomethane	1.87	94	30027	5.043	ug/L 98
8) Chloroethane	1.95	64	33620	4.857	ug/L 98
9) Trichlorofluoromethane	2.16	101	65300	5.009	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	43269	5.197	ug/L 96
12) 1,1-Dichloroethene	2.60	96	37722	5.025	ug/L 99
13) Acetone	2.66	43	145201	51.016	ug/L 98
14) Carbon disulfide	2.82	76	89459	4.938	ug/L 100
15) Methyl Acetate	2.98	43	19488	5.160	ug/L 96
16) Methylene chloride	3.08	84	48433	3.827	ug/L 98
17) Methyl tert-butyl Ether	3.41	73	116061	5.220	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	39884	5.148	ug/L 98
19) 1,1-Dichloroethane	3.91	63	88105	5.423	ug/L 97
21) 2-Butanone	4.75	43	175595	53.037	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	49636	5.295	ug/L 96

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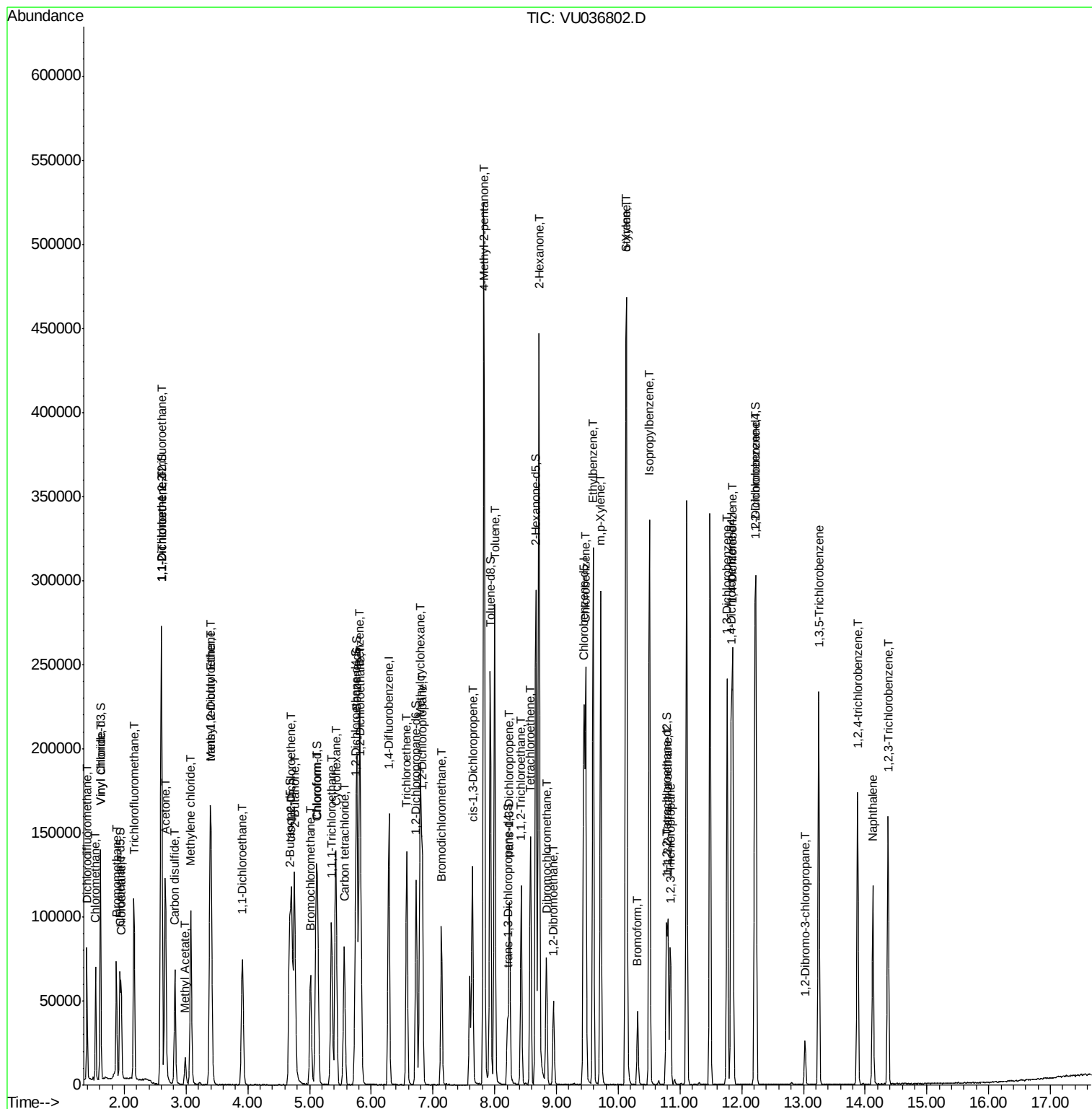
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19963	5.356	ug/L	97
25) Chloroform	5.13	83	85467	4.926	ug/L	99
27) 1,2-Dichloroethane	5.84	62	56559	5.114	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	65854	5.231	ug/L	99
30) Cyclohexane	5.43	56	70982	5.309	ug/L	98
31) Carbon tetrachloride	5.56	117	52430	5.163	ug/L	97
33) Benzene	5.81	78	188301	5.326	ug/L	100
34) Trichloroethene	6.57	95	47256	5.248	ug/L	99
35) Methylcyclohexane	6.79	83	75496	5.284	ug/L	98
37) 1,2-Dichloropropane	6.83	63	51489	5.334	ug/L	100
38) Bromodichloromethane	7.14	83	61160	5.309	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	75495	5.405	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	335421	53.848	ug/L	99
42) Toluene	8.00	91	200620	5.284	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	58898	5.396	ug/L	95
45) 1,1,2-Trichloroethane	8.43	97	35888	5.344	ug/L	100
47) Tetrachloroethene	8.58	164	30583	4.993	ug/L	96
48) 2-Hexanone	8.72	43	285323	53.525	ug/L	99
49) Dibromochloromethane	8.84	129	37633	5.419	ug/L	90
50) 1,2-Dibromoethane	8.95	107	31713	5.229	ug/L	100
51) Chlorobenzene	9.47	112	122296	5.207	ug/L	99
52) Ethylbenzene	9.59	91	221510	5.223	ug/L	99
53) m,p-Xylene	9.72	106	81936	5.250	ug/L	96
54) o-Xylene	10.12	106	81432	5.313	ug/L	99
55) Styrene	10.14	104	136265	5.274	ug/L	98
56) Isopropylbenzene	10.51	105	215148	5.246	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	46063	5.240	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	33265	5.219	ug/L	99
61) Bromoform	10.31	173	18889	5.340	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	91571	5.177	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	90012	5.134	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	87440	5.128	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	7010	5.509	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	65294	5.244	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	49078	5.227	ug/L	97
69) Naphthalene	14.12	128	91197	5.361	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	44810	5.318	ug/L	99

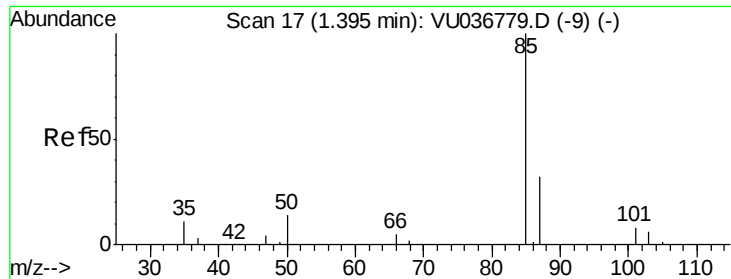
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.135 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

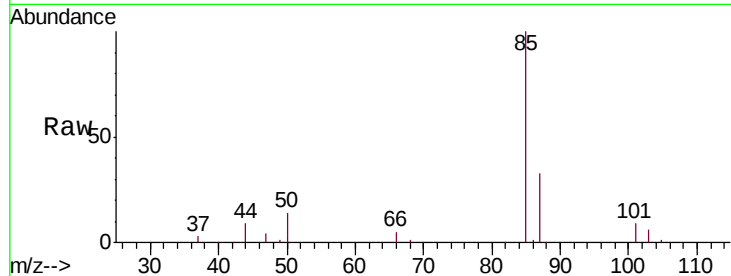
VSTD00520

Tgt Ion: 85 Resp: 41854

Ion Ratio Lower Upper

85 100

87 33.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036779.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036779.D (-9) (-)

1.39

40000

30000

20000

10000

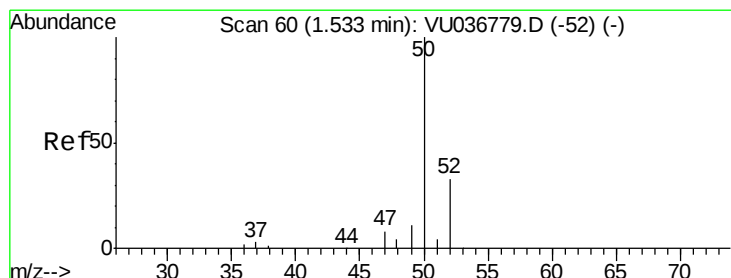
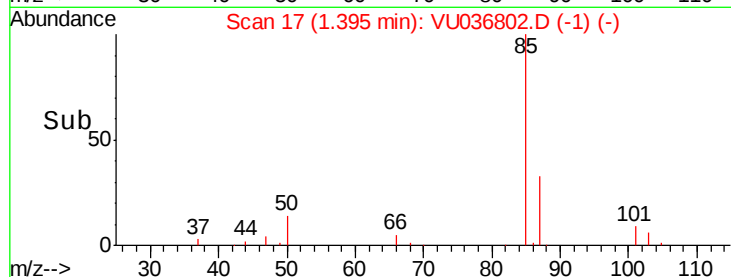
0

Time-->

1.35

1.40

1.45



#3

Chloromethane

Concen: 5.289 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036802.D

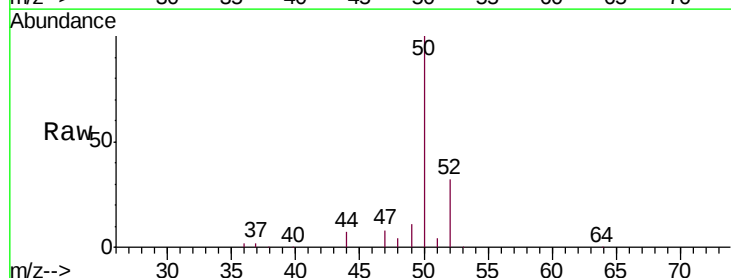
Acq: 17 Feb 2020 10:59

Tgt Ion: 50 Resp: 44868

Ion Ratio Lower Upper

50 100

52 32.4 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036779.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036779.D (-52) (-)

1.54

40000

30000

20000

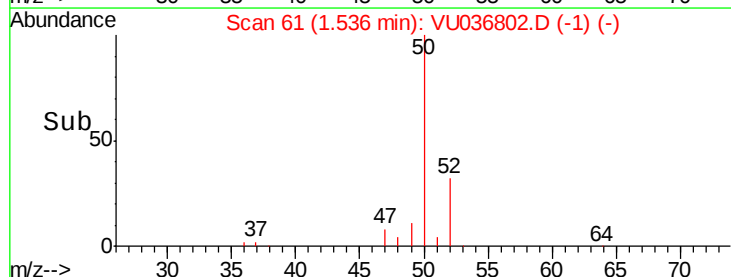
10000

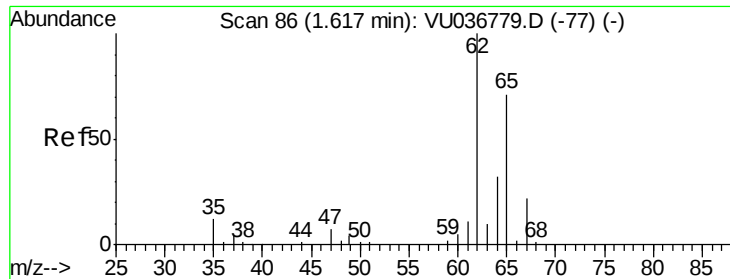
0

Time-->

1.50

1.55





#5

Vinyl chloride

Concen: 5.314 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

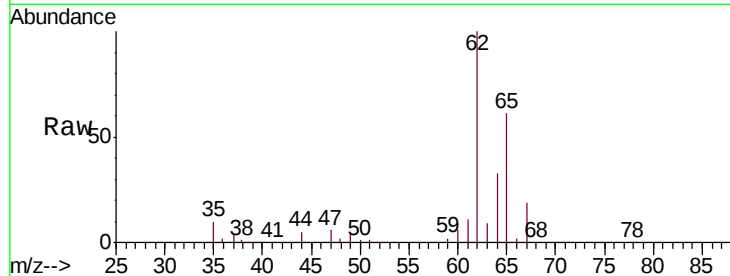
VSTD00520

Tgt Ion: 62 Resp: 52658

Ion Ratio Lower Upper

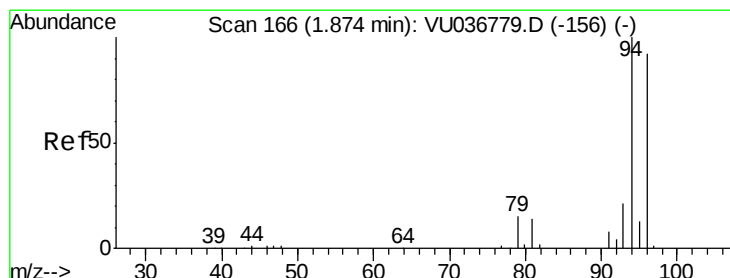
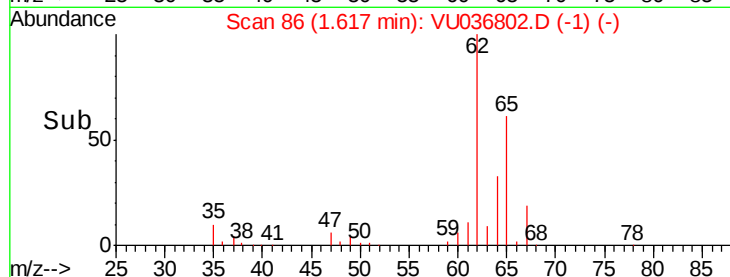
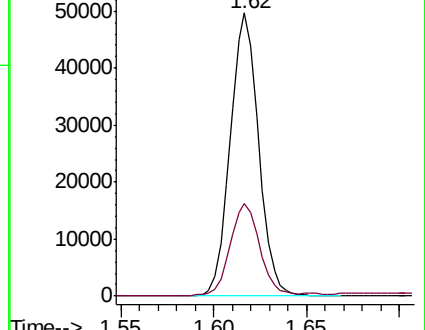
62 100

64 32.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036779.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036779.D (-77) (-)



#6

Bromomethane

Concen: 5.043 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036802.D

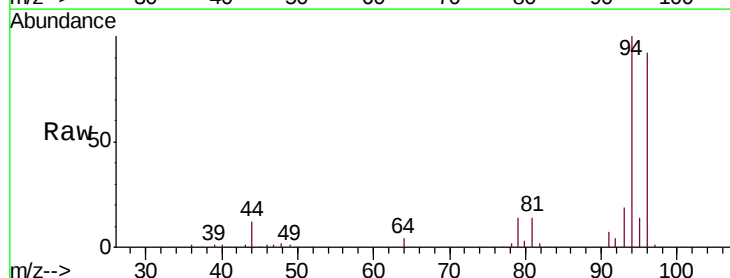
Acq: 17 Feb 2020 10:59

Tgt Ion: 94 Resp: 30027

Ion Ratio Lower Upper

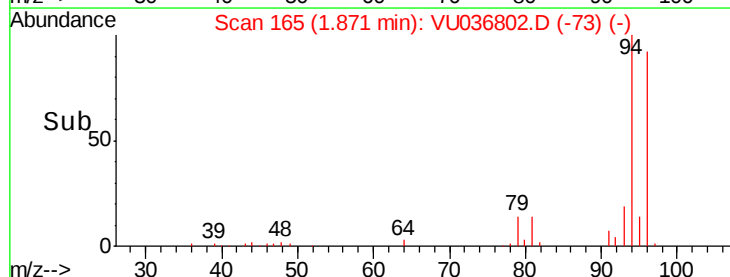
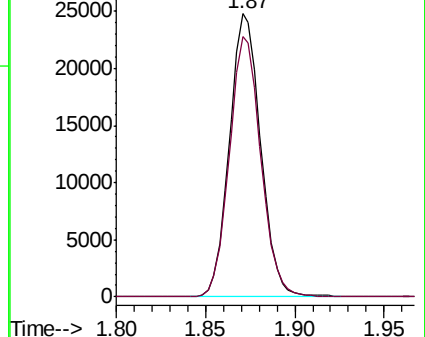
94 100

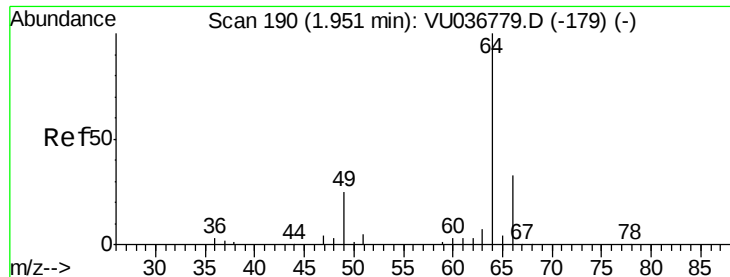
96 92.1 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036779.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036779.D (-156) (-)





#8

Chloroethane

Concen: 4.857 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

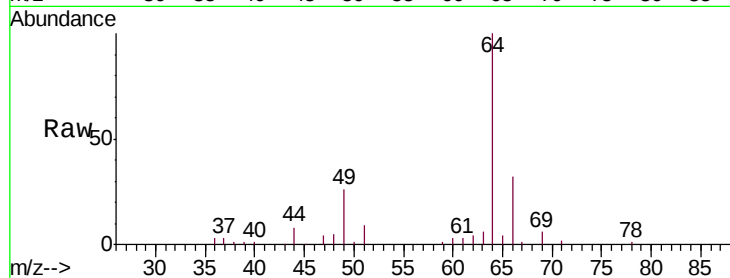
VSTD00520

Tgt Ion: 64 Resp: 33620

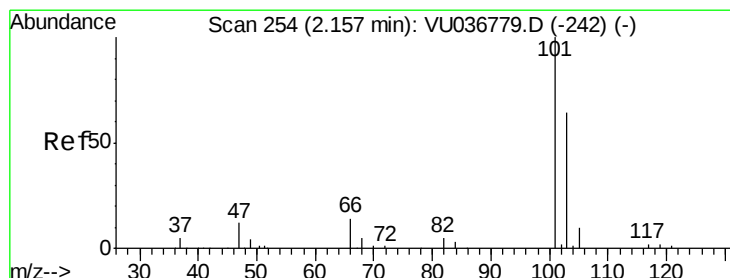
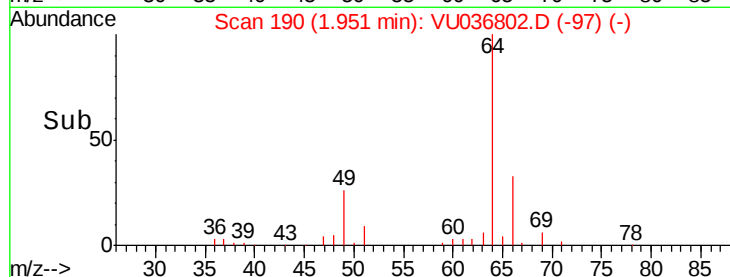
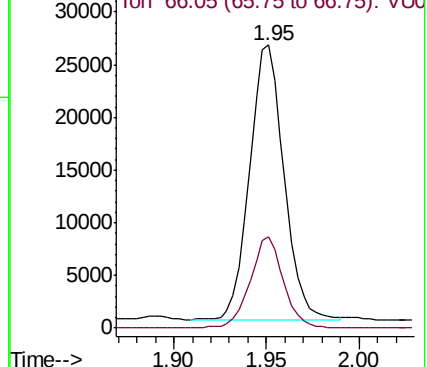
Ion Ratio Lower Upper

64 100

66 32.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036779.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.009 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036802.D

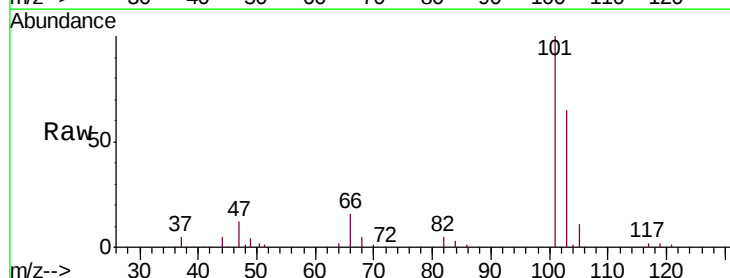
Acq: 17 Feb 2020 10:59

Tgt Ion: 101 Resp: 65300

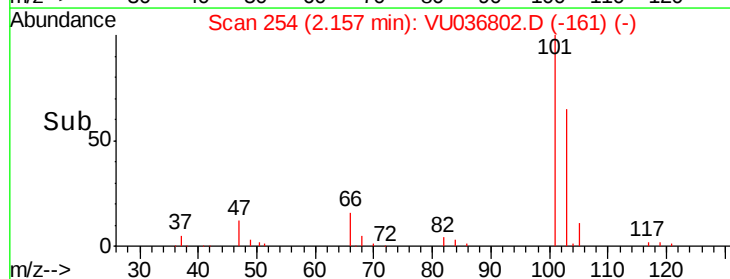
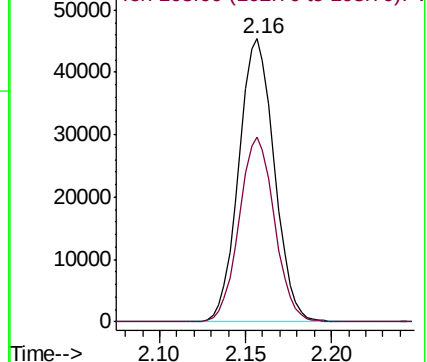
Ion Ratio Lower Upper

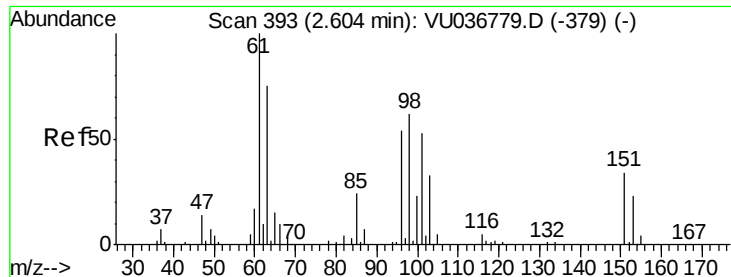
101 100

103 64.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036779.D (-242) (-)





#10

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

Concen: 5.197 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

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ClientSampleId :

VSTD00520

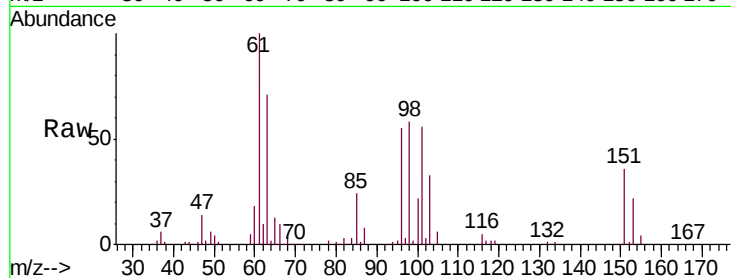
Tgt Ion: 101 Resp: 43269

Ion Ratio Lower Upper

101 100

85 42.6 36.4 54.6

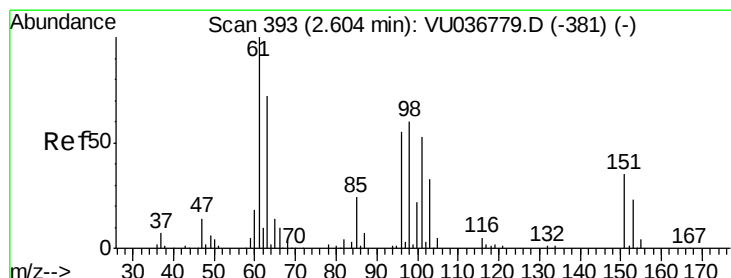
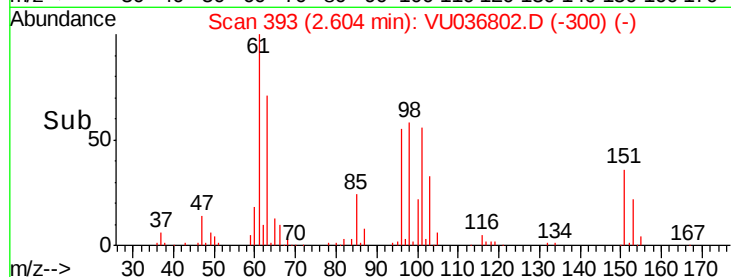
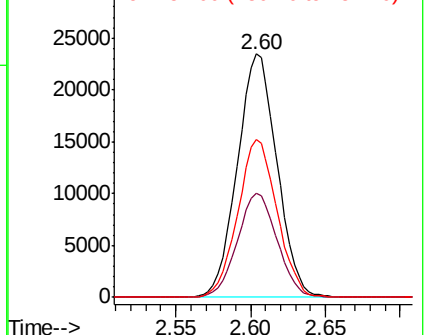
151 64.2 54.0 81.0



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: 5.025 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

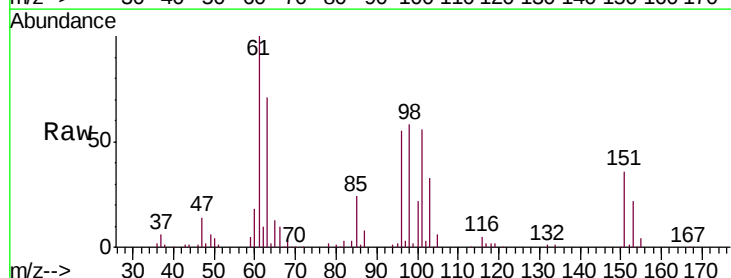
Tgt Ion: 96 Resp: 37722

Ion Ratio Lower Upper

96 100

61 181.8 126.4 234.8

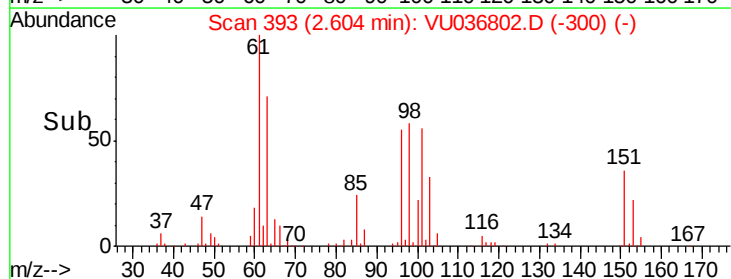
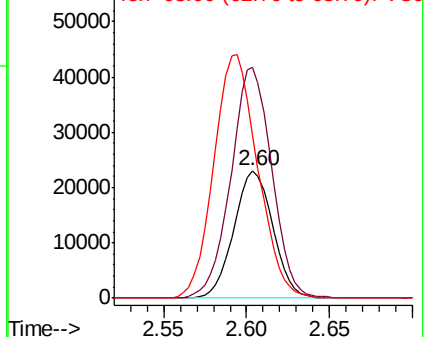
63 128.2 89.5 166.3

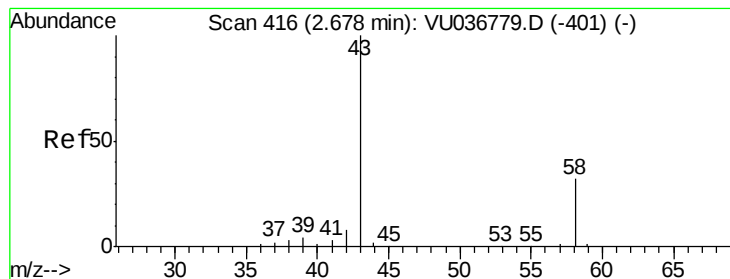


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.016 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

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Acq: 17 Feb 2020 10:59

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ClientSampleId :

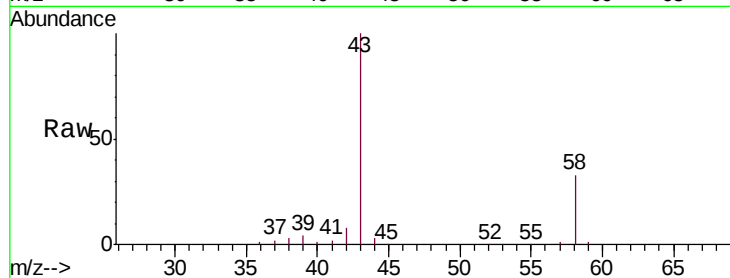
VSTD00520

Tgt Ion: 43 Resp: 145201

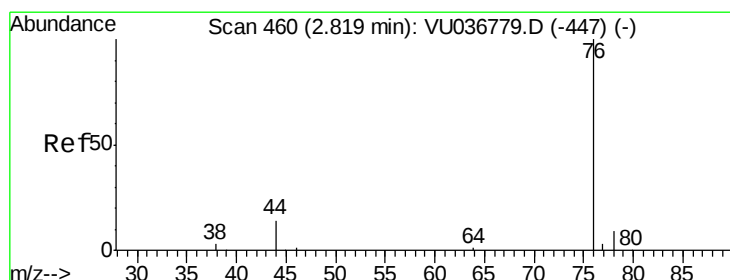
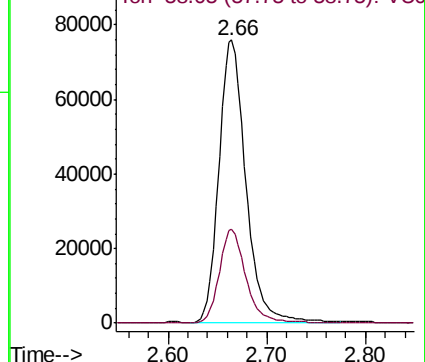
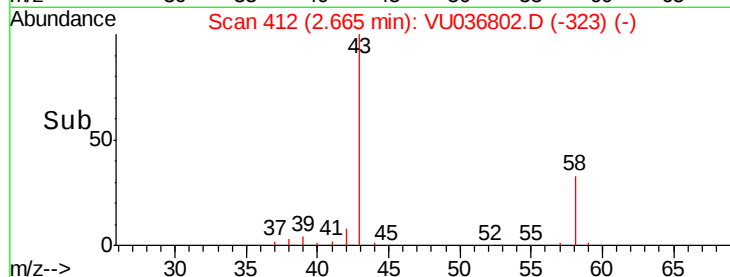
Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036802.D (-323) (-)



#14

Carbon disulfide

Concen: 4.938 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036802.D

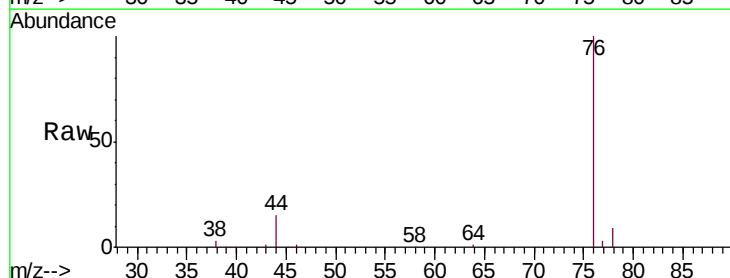
Acq: 17 Feb 2020 10:59

Tgt Ion: 76 Resp: 89459

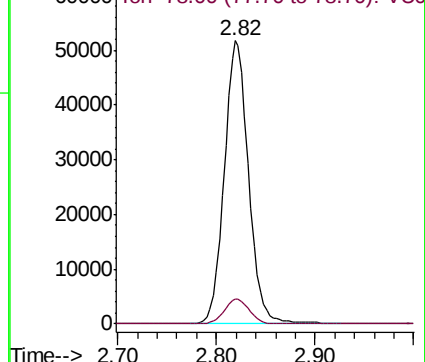
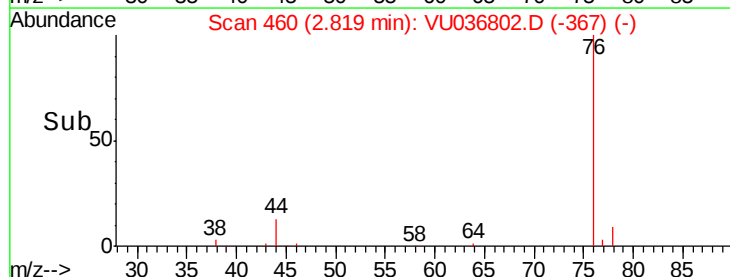
Ion Ratio Lower Upper

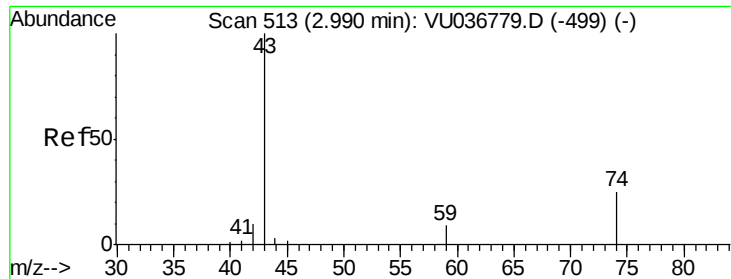
76 100

78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036802.D (-367) (-)





#15

Methyl Acetate

Concen: 5.160 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

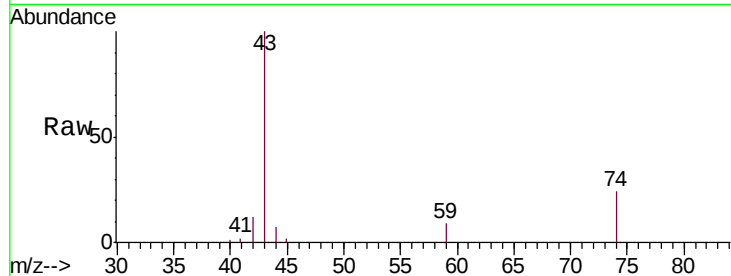
VSTD00520

Tgt Ion: 43 Resp: 19488

Ion Ratio Lower Upper

43 100

74 25.7 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036802.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU036802.D (-420) (-)

12000

10000

8000

6000

4000

2000

0

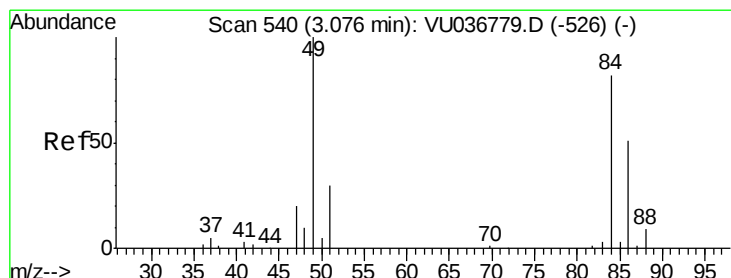
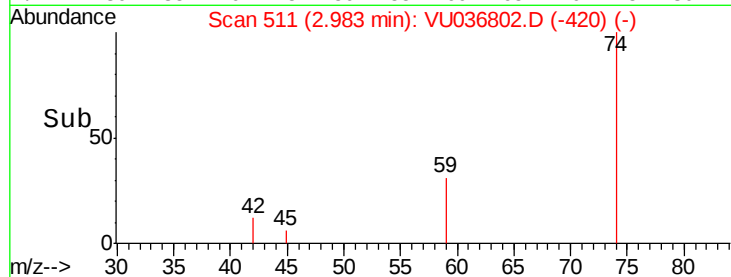
Time-->

2.90

2.95

3.00

3.05



#16

Methylene chloride

Concen: 3.827 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

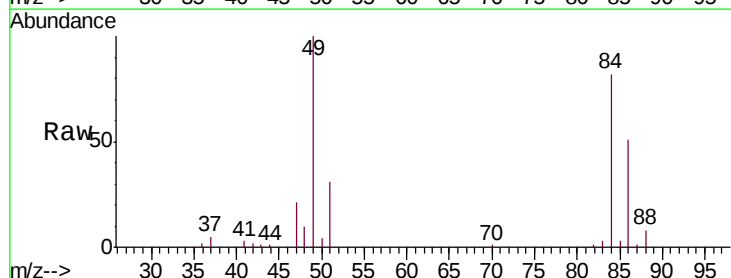
Tgt Ion: 84 Resp: 48433

Ion Ratio Lower Upper

84 100

86 62.4 44.7 82.9

49 121.7 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VU036802.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU036802.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU036802.D (-447) (-)

40000

30000

20000

10000

0

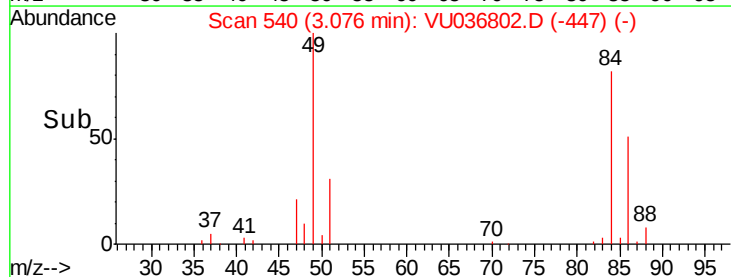
Time-->

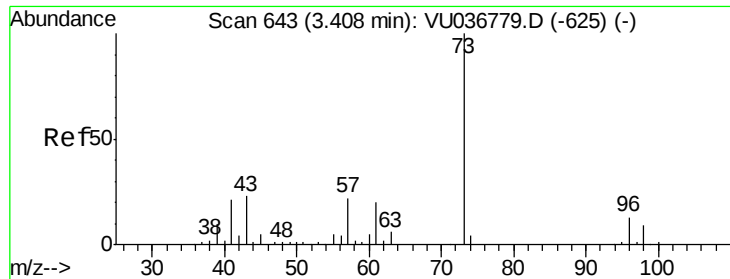
3.00

3.05

3.10

3.15

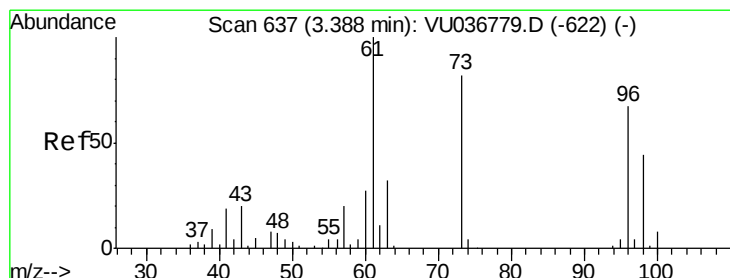
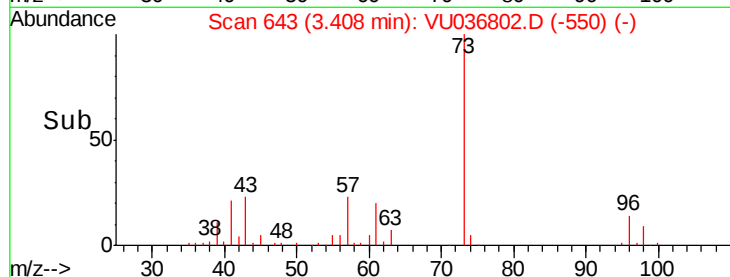
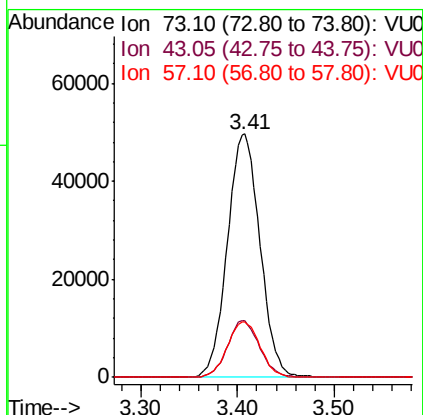
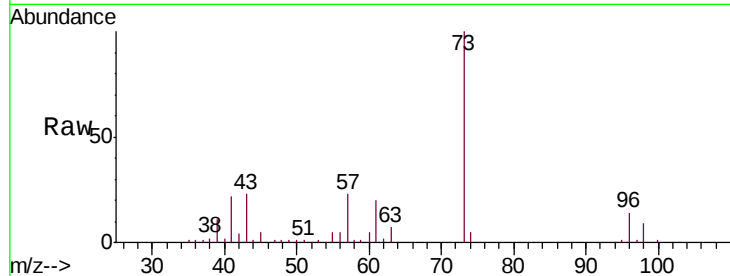




#17
Methyl tert-butyl Ether
Concen: 5.220 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

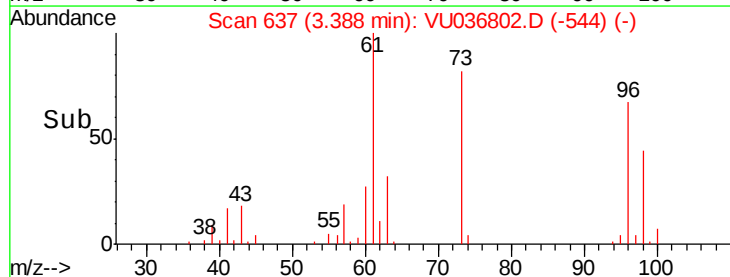
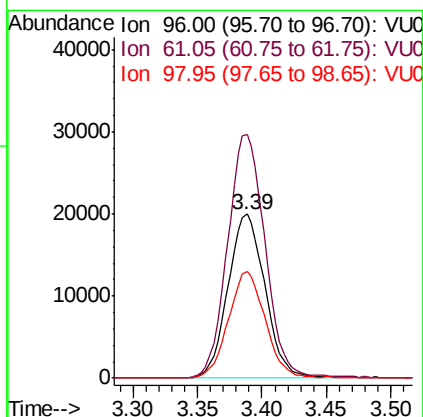
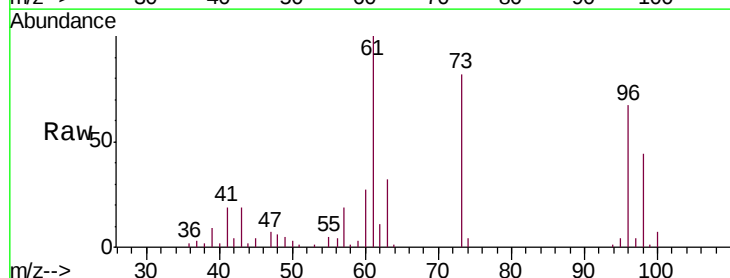
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

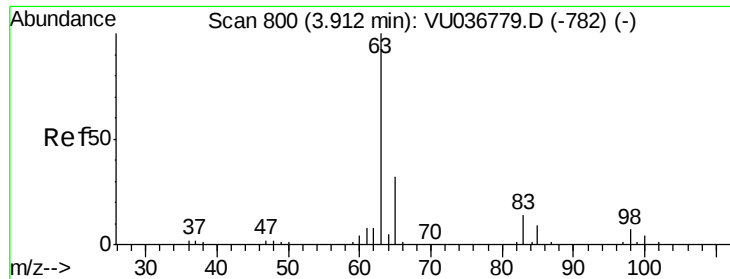
Tgt Ion: 73 Resp: 116061
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.9 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.148 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

Tgt Ion: 96 Resp: 39884
Ion Ratio Lower Upper
96 100
61 148.3 102.6 190.5
98 65.0 44.5 82.7

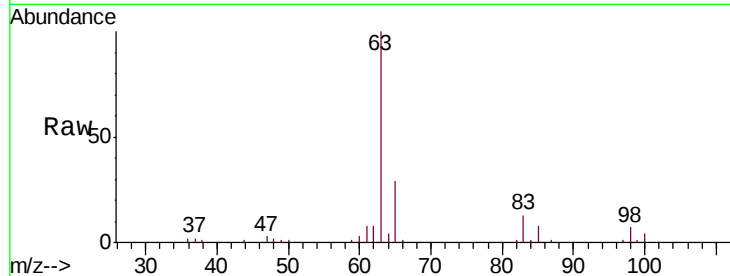




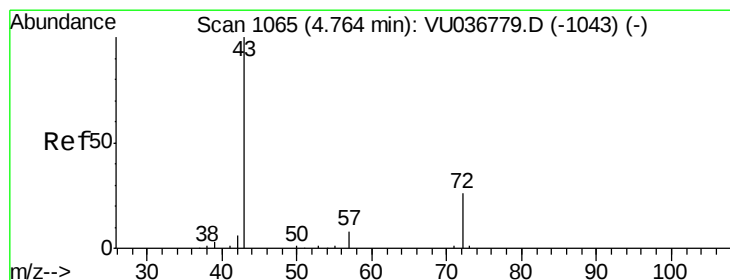
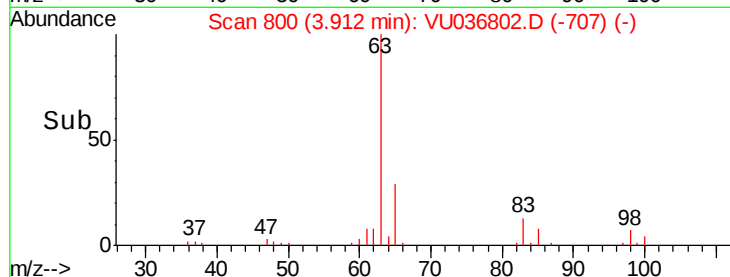
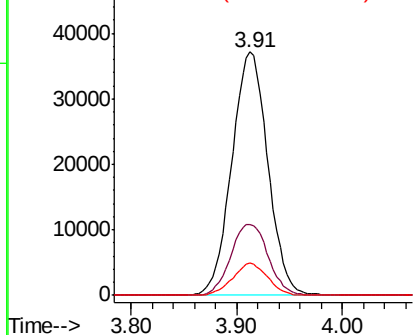
#19
 1,1-Dichloroethane
 Concen: 5.423 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 63 Resp: 88105
 Ion Ratio Lower Upper
 63 100
 65 29.3 21.6 40.2
 83 13.3 8.8 16.3

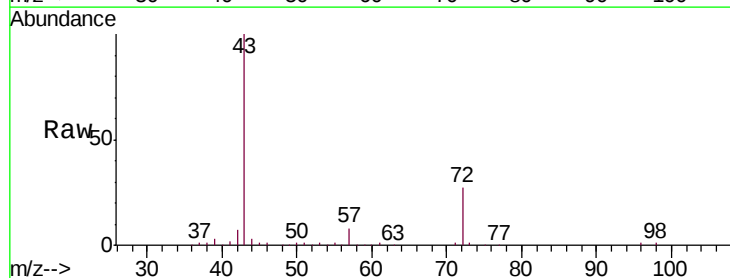


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

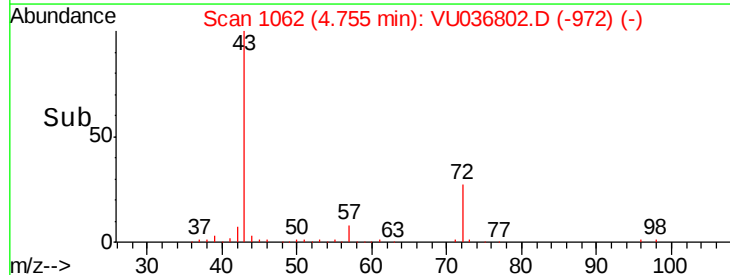
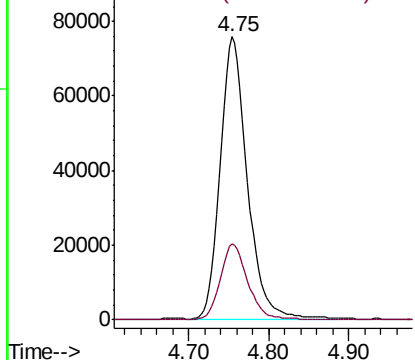


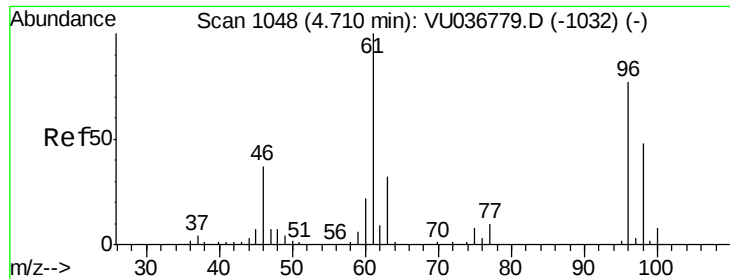
#21
 2-Butanone
 Concen: 53.037 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 43 Resp: 175595
 Ion Ratio Lower Upper
 43 100
 72 27.5 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

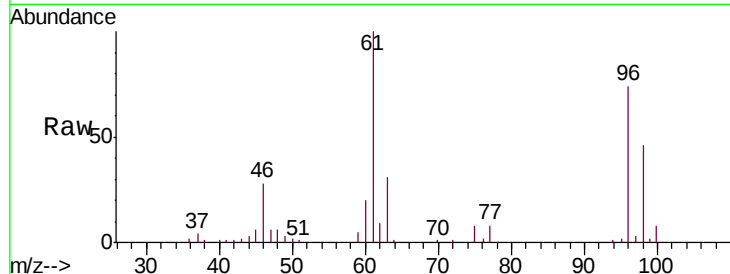




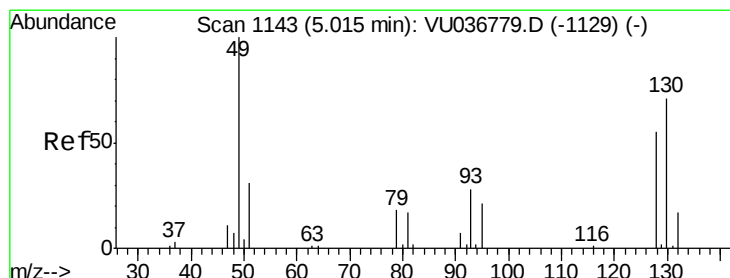
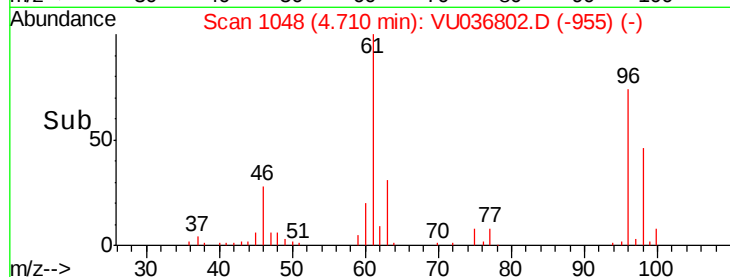
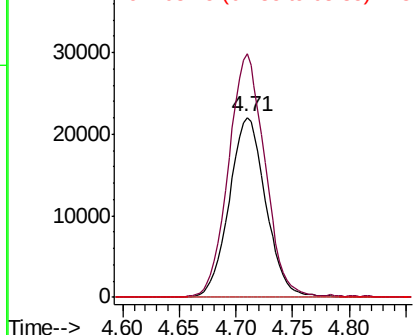
#22
 cis-1,2-Dichloroethene
 Concen: 5.295 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 96 Resp: 49636
 Ion Ratio Lower Upper
 96 100
 61 135.2 91.2 169.4
 68 0.0 0.0 0.0

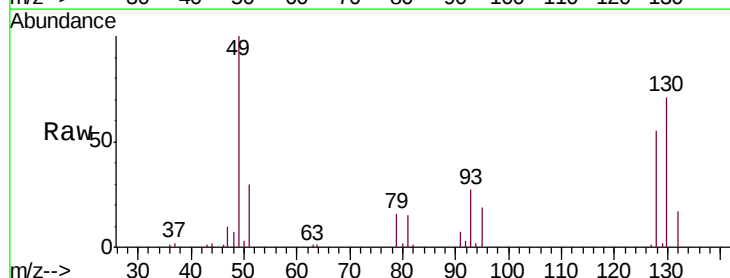


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

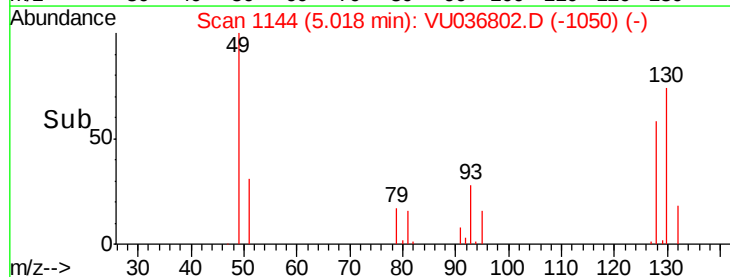
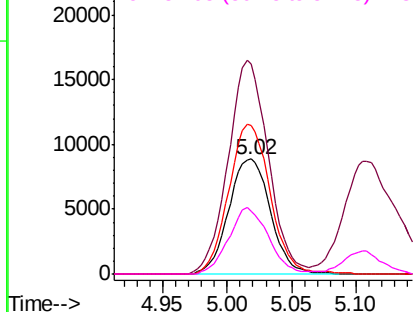


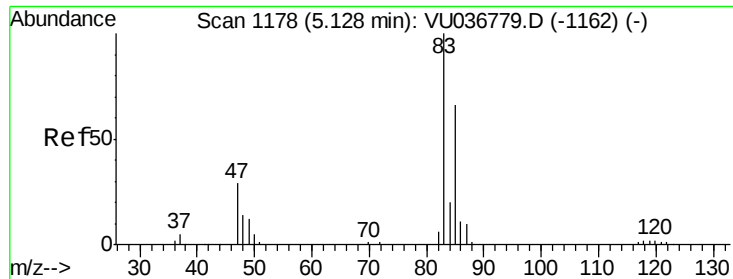
#23
 Bromochloromethane
 Concen: 5.356 ug/L
 RT: 5.02 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 128 Resp: 19963
 Ion Ratio Lower Upper
 128 100
 49 182.0 132.4 245.8
 130 128.7 89.0 165.2
 51 54.8 45.6 68.4



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

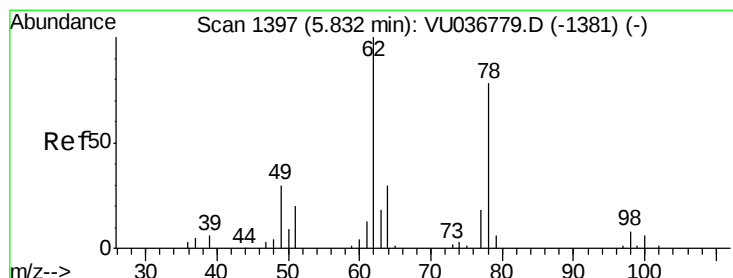
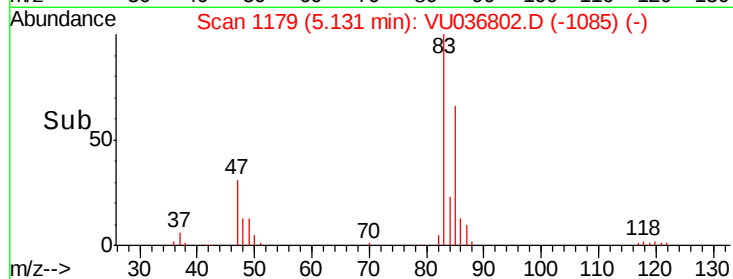
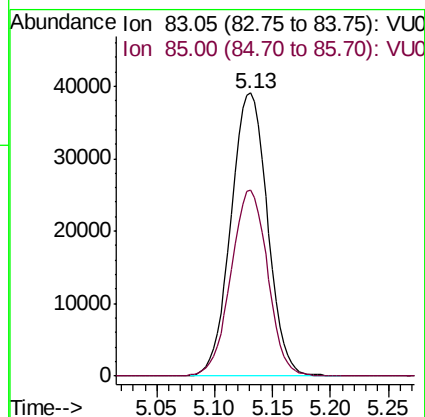
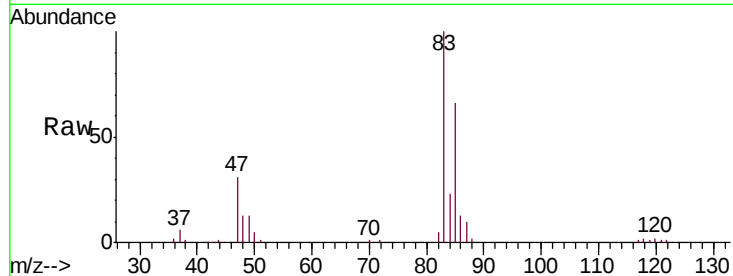




#25
Chloroform
Concen: 4.926 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

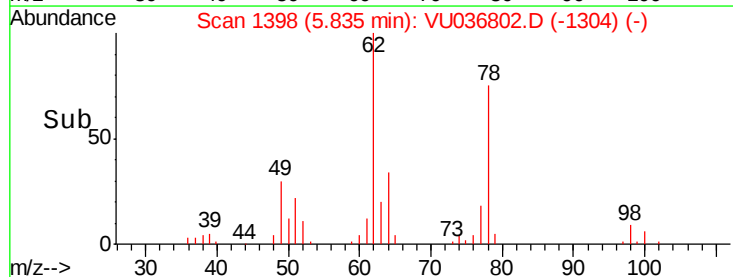
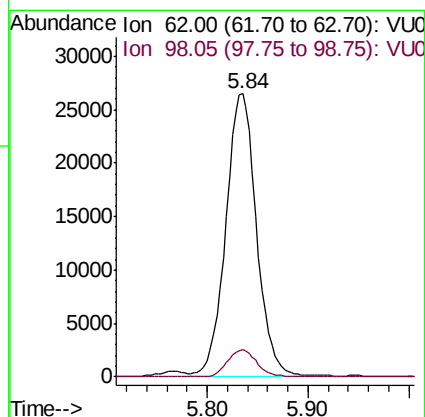
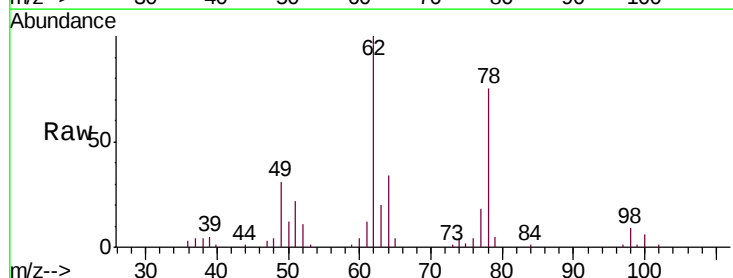
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

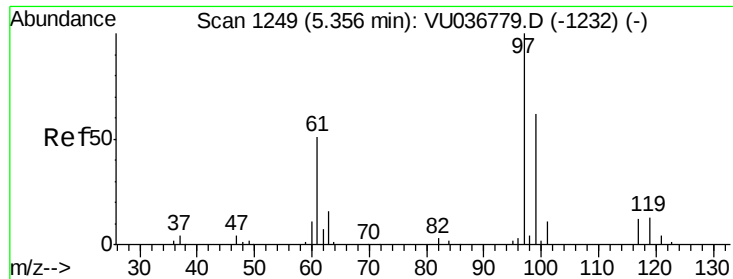
Tgt Ion: 83 Resp: 85467
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.114 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

Tgt Ion: 62 Resp: 56559
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.4

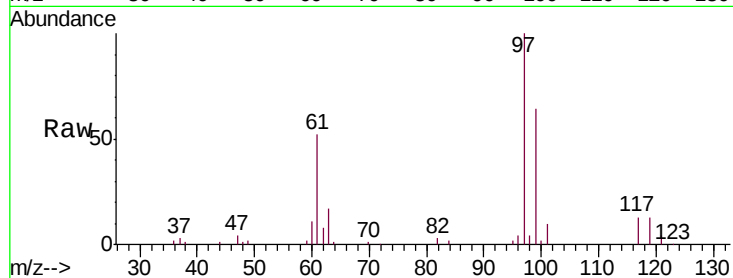




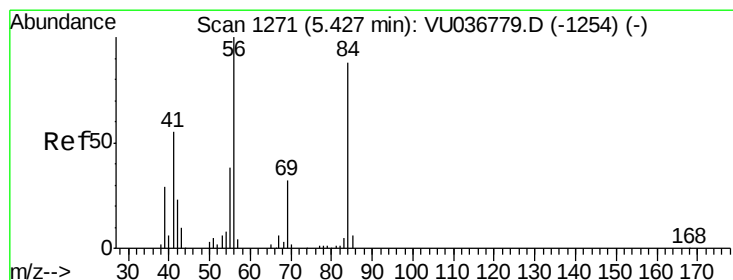
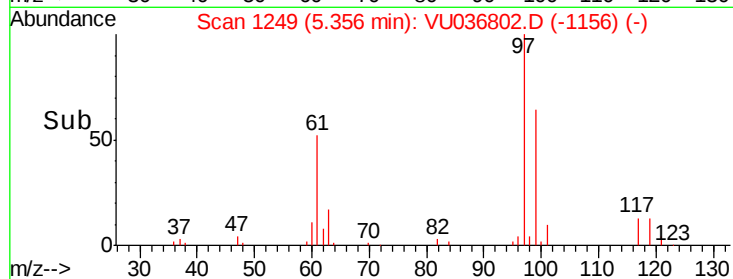
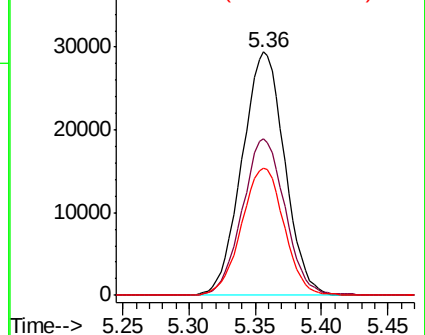
#29
 1,1,1-Trichloroethane
 Concen: 5.231 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 97 Resp: 65854
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.4
 61 52.0 41.6 62.4

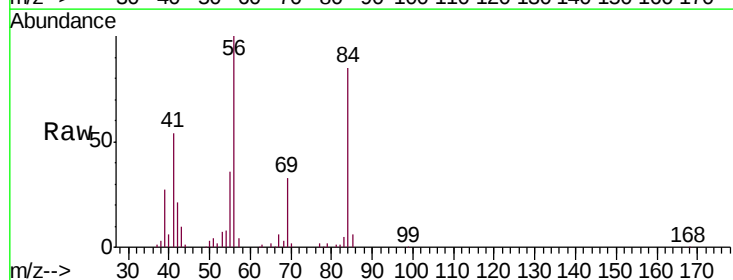


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

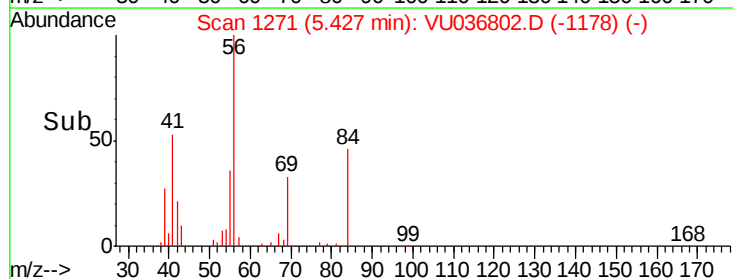
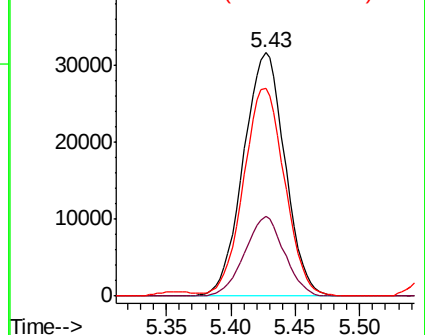


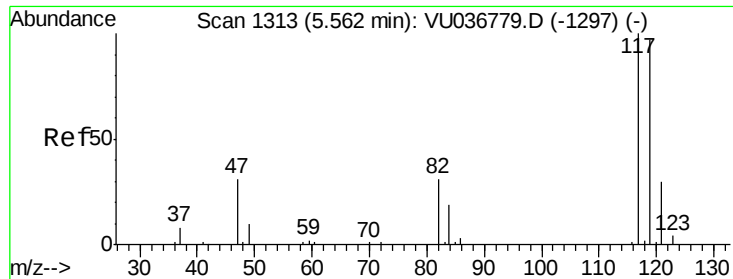
#30
 Cyclohexane
 Concen: 5.309 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 56 Resp: 70982
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.6 37.0
 84 85.0 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.163 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

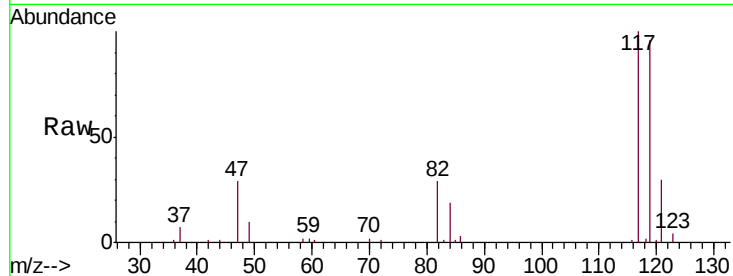
VSTD00520

Tgt Ion:117 Resp: 52430

Ion Ratio Lower Upper

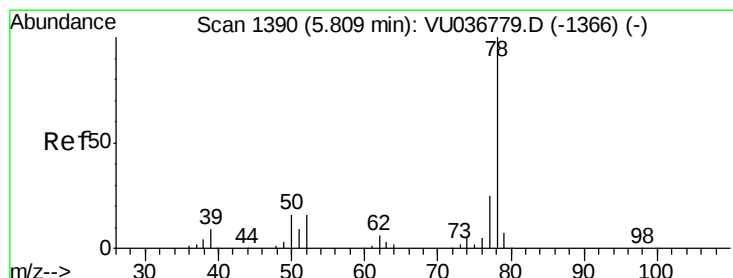
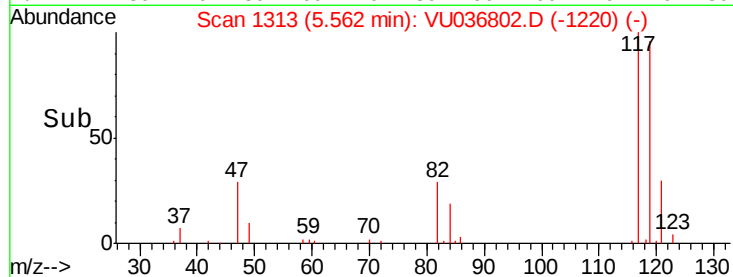
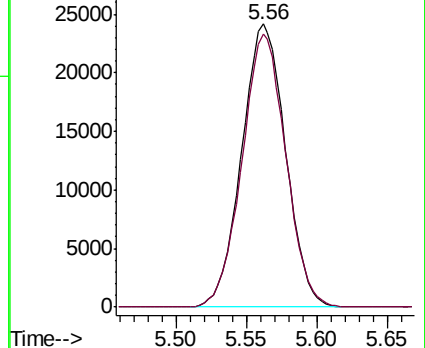
117 100

119 96.3 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.326 ug/L

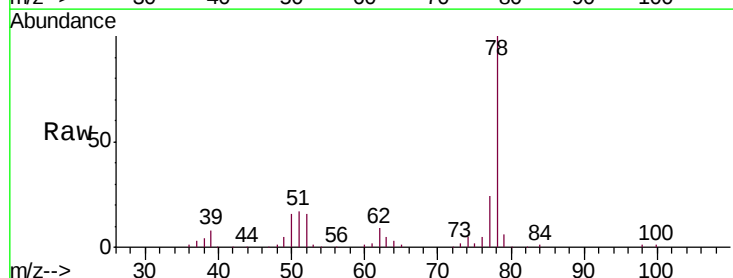
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

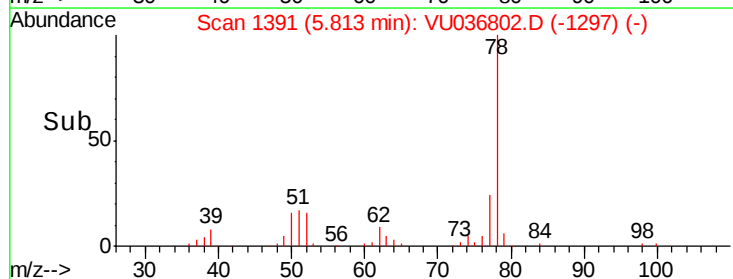
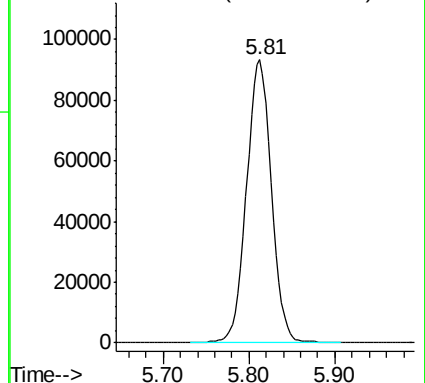
Lab File: VU036802.D

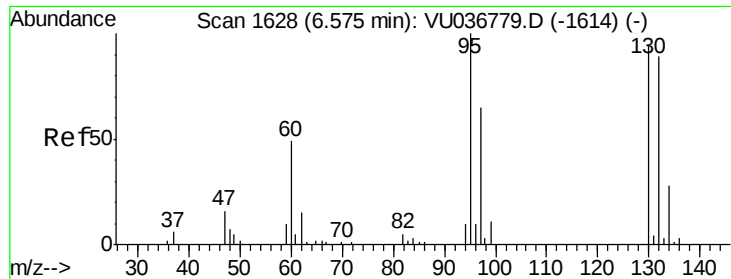
Acq: 17 Feb 2020 10:59

Tgt Ion: 78 Resp: 188301



Abundance Ion 78.10 (77.80 to 78.80): VU0

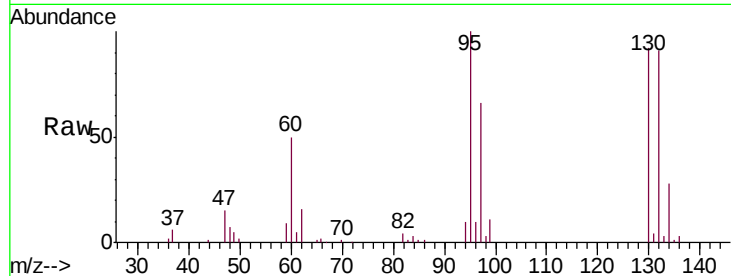




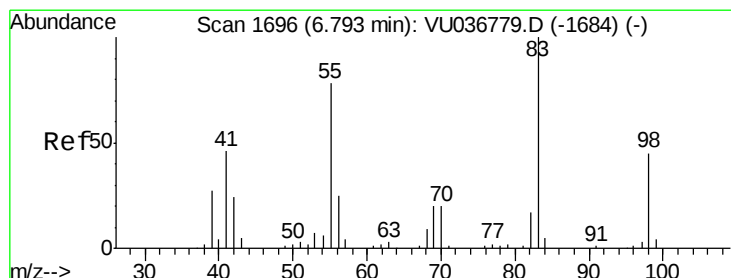
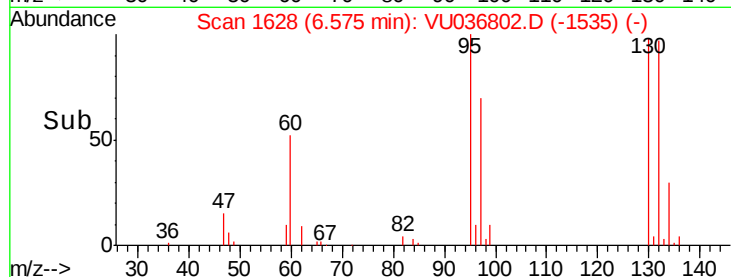
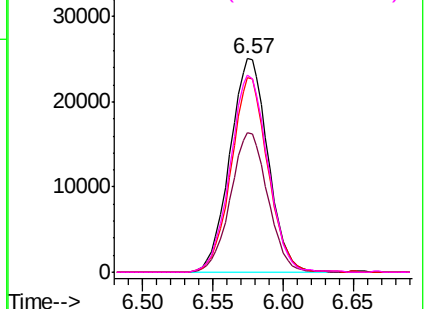
#34
 Trichloroethene
 Concen: 5.248 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion: 95 Resp: 47256
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.6 84.8
 132 91.0 62.8 116.6
 130 92.0 63.8 118.4

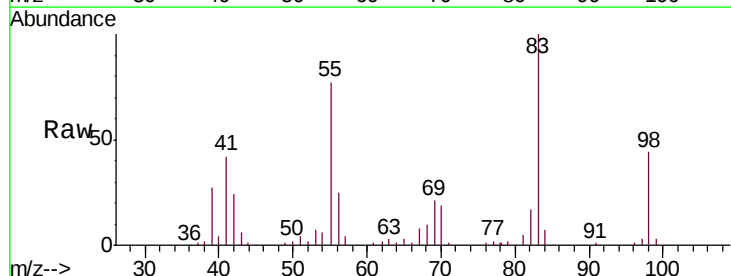


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

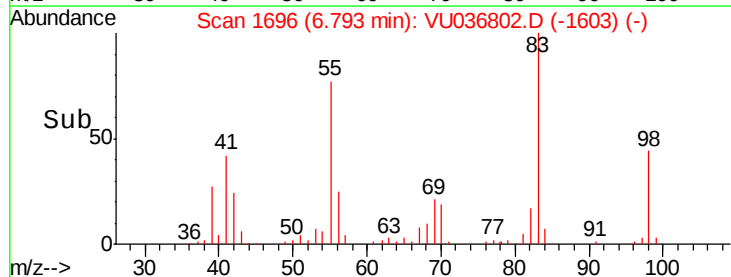
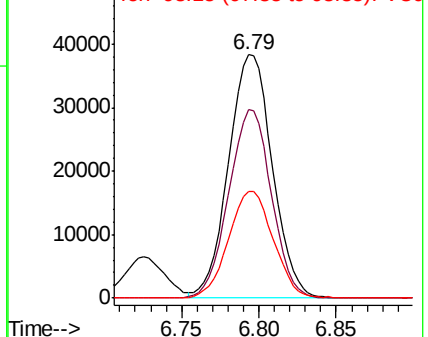


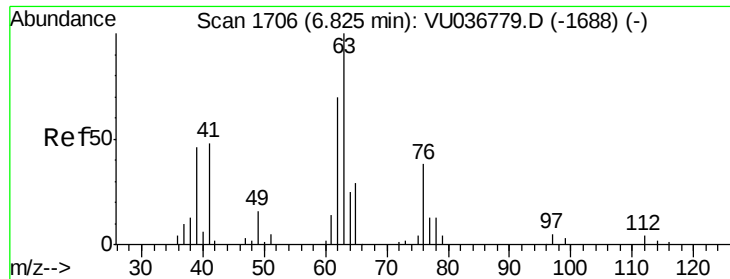
#35
 Methylcyclohexane
 Concen: 5.284 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 83 Resp: 75496
 Ion Ratio Lower Upper
 83 100
 55 75.3 61.0 91.4
 98 44.7 34.2 51.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

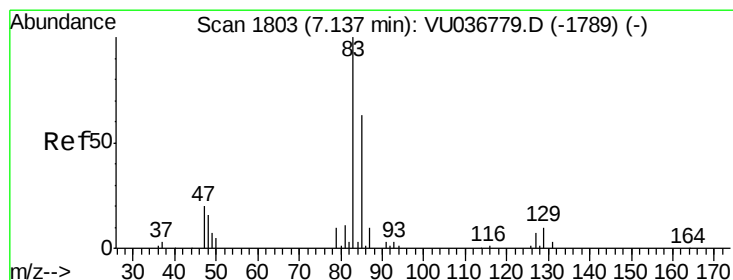
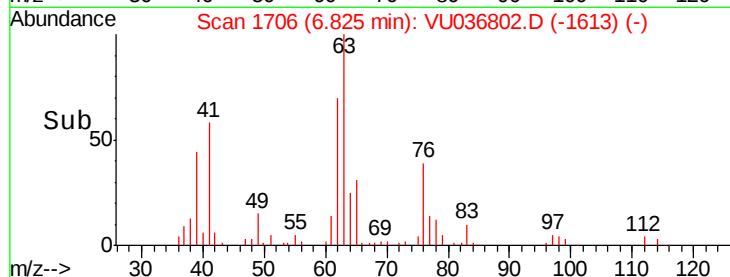
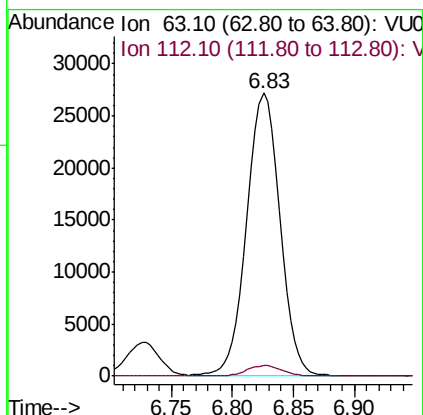
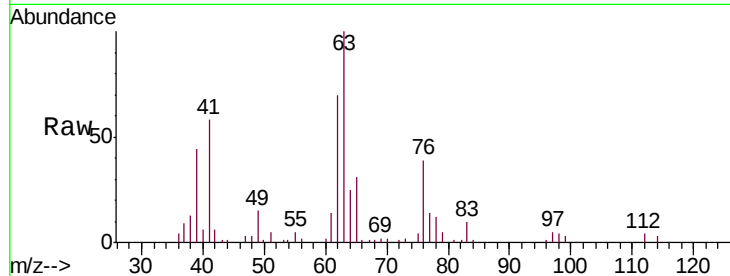




#37
 1,2-Dichloropropane
 Concen: 5.334 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

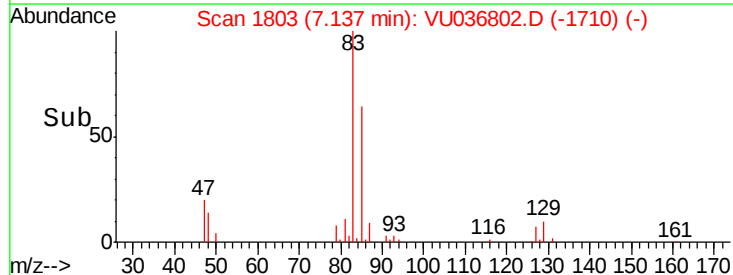
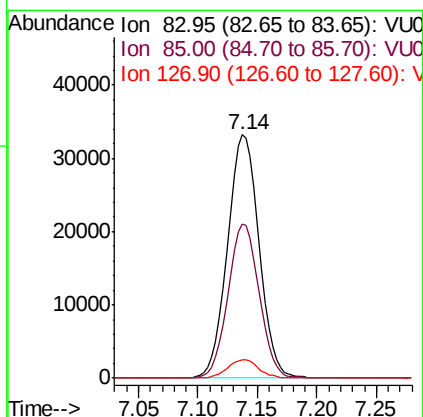
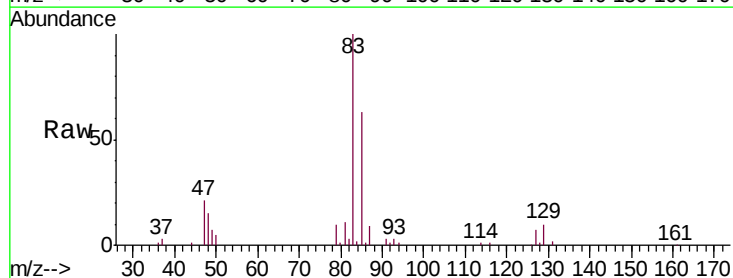
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

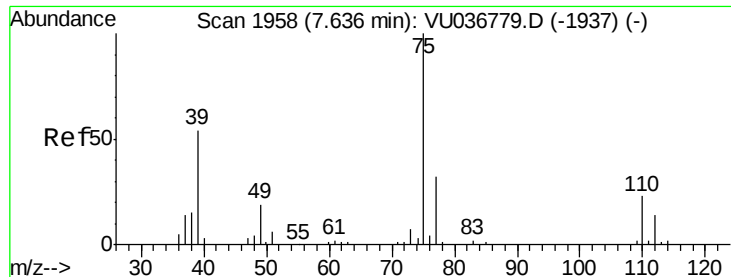
Tgt Ion: 63 Resp: 51489
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.309 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 83 Resp: 61160
 Ion Ratio Lower Upper
 83 100
 85 63.5 43.0 80.0
 127 7.4 6.3 9.5

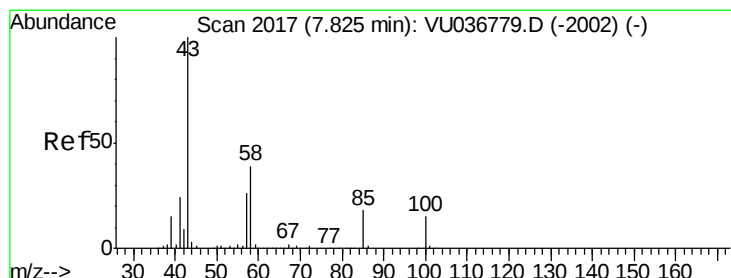
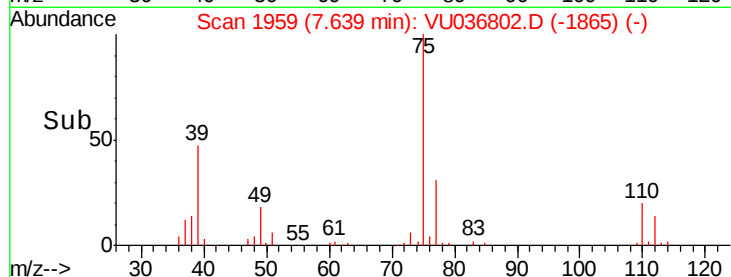
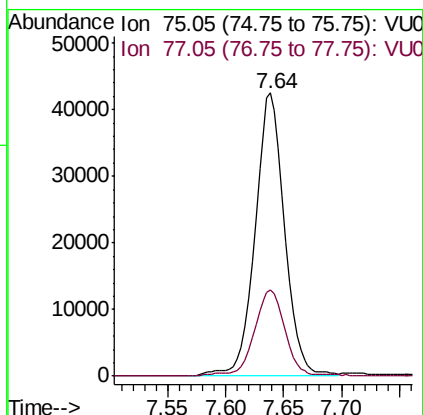
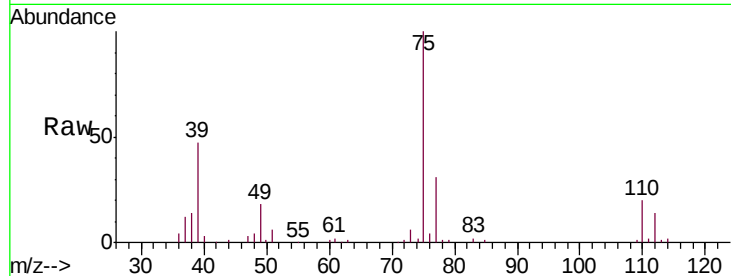




#39
 cis-1,3-Dichloropropene
 Concen: 5.405 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

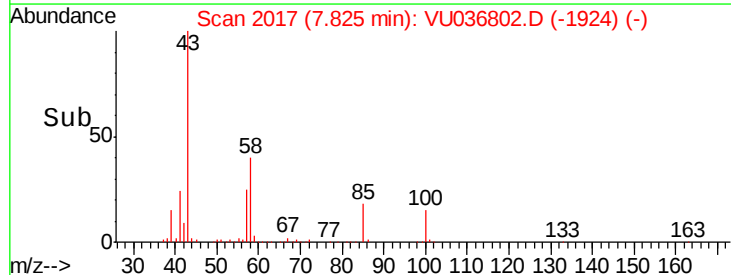
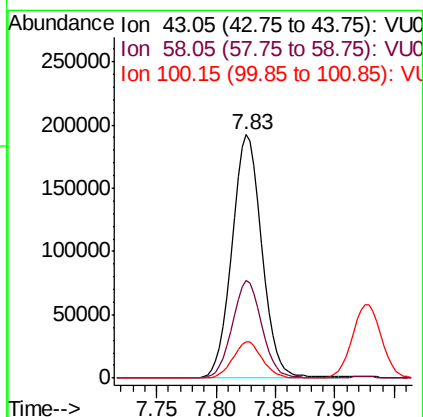
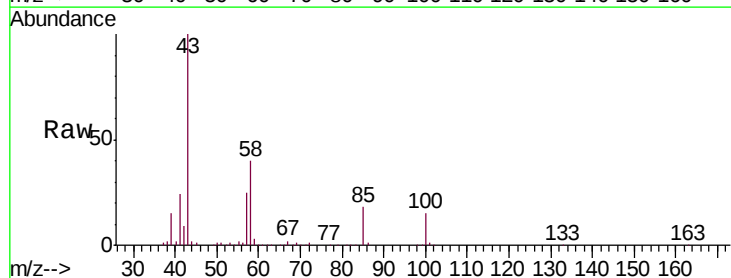
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

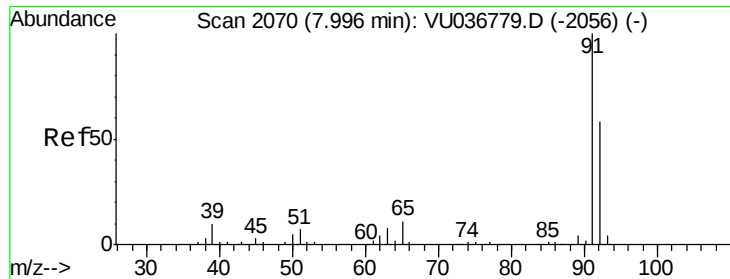
Tgt Ion: 75 Resp: 75495
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 53.848 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 43 Resp: 335421
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.0 48.0
 100 14.6 11.8 17.8





#42

Toluene

Concen: 5.284 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

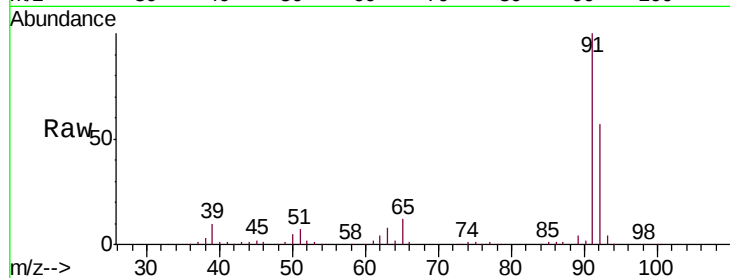
VSTD00520

Tgt Ion: 91 Resp: 200620

Ion Ratio Lower Upper

91 100

92 57.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036779.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036779.D (-2056) (-)

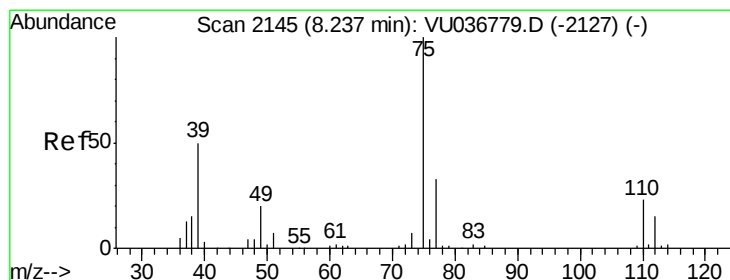
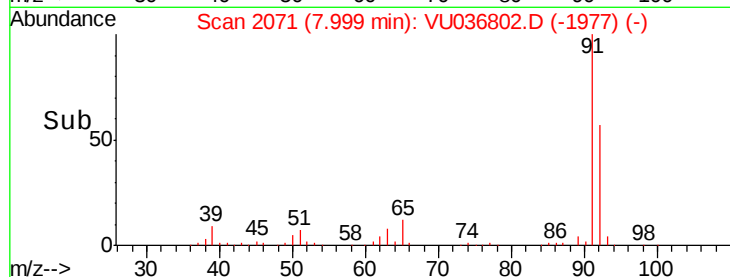
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.396 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036802.D

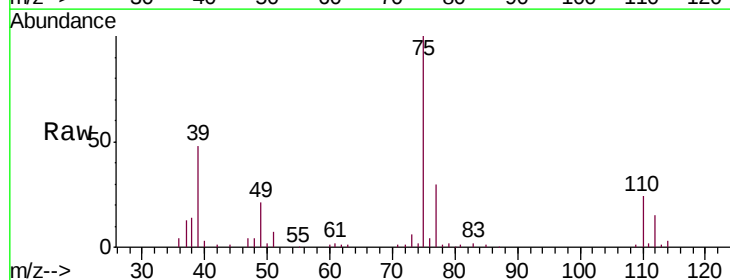
Acq: 17 Feb 2020 10:59

Tgt Ion: 75 Resp: 58898

Ion Ratio Lower Upper

75 100

77 30.3 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036779.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036779.D (-2127) (-)

8.24

40000

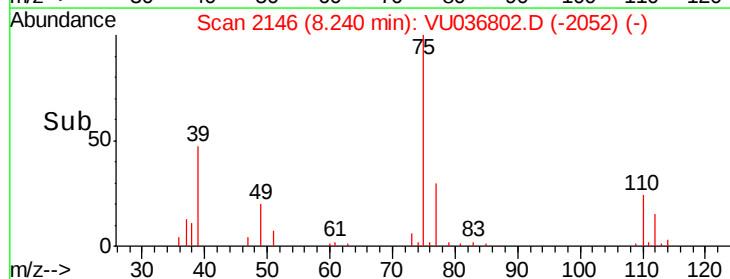
30000

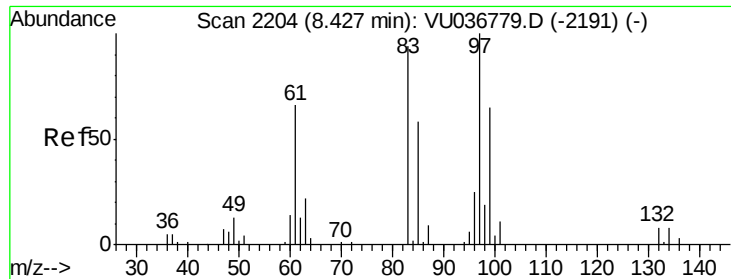
20000

10000

0

Time-->

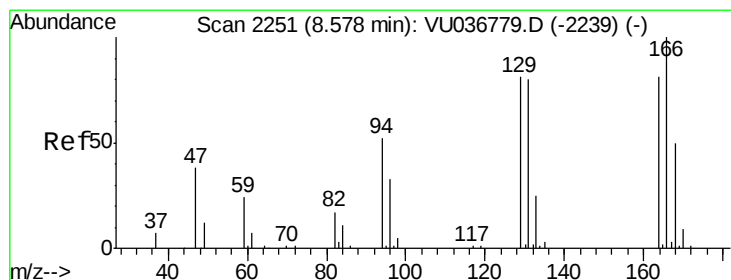
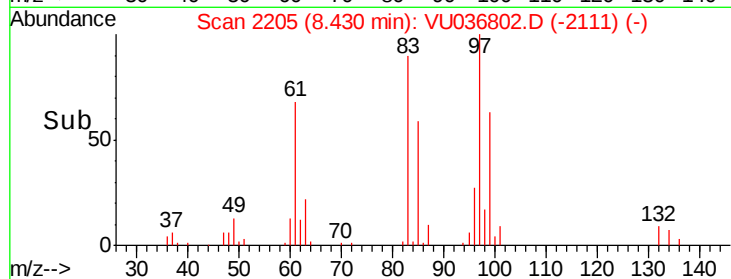
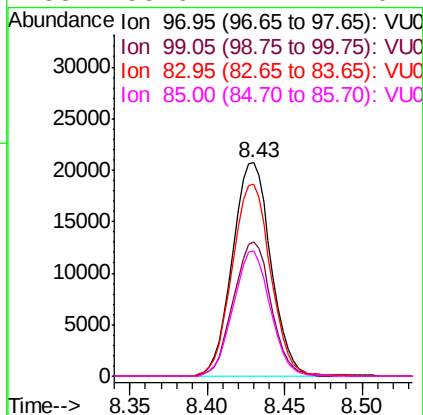
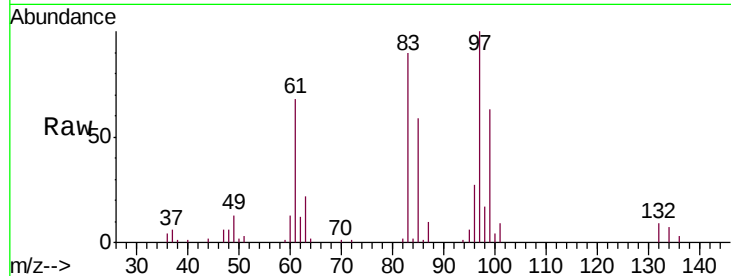




#45
 1,1,2-Trichloroethane
 Concen: 5.344 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

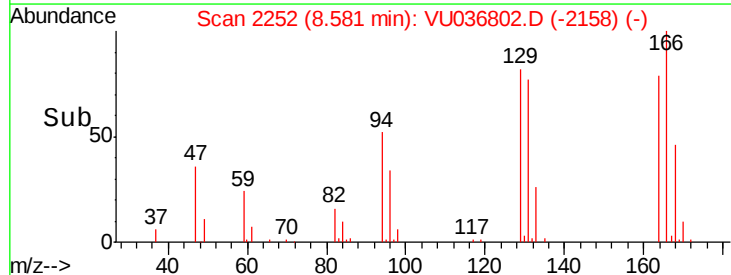
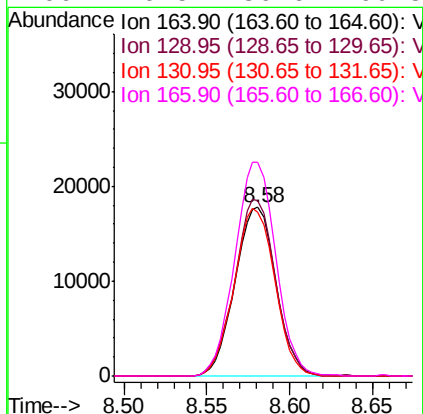
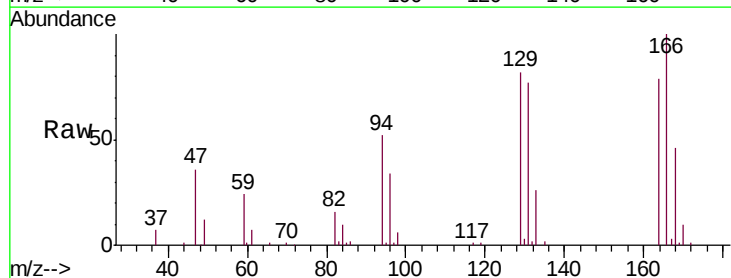
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

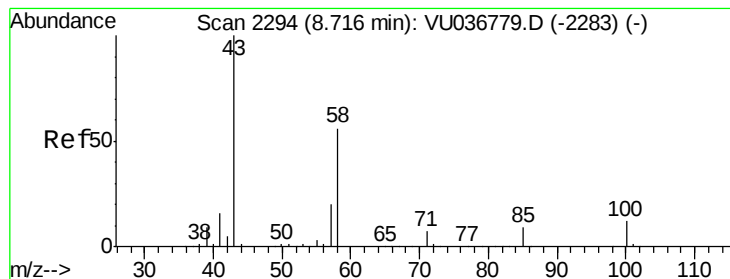
Tgt Ion:	97	Resp:	35888
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	90.1	63.5	117.9
85	58.6	41.2	76.4



#47
 Tetrachloroethene
 Concen: 4.993 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion:	164	Resp:	30583
Ion	Ratio	Lower	Upper
164	100		
129	104.0	68.0	126.4
131	97.4	69.4	128.8
166	126.5	86.6	160.8





#48

2-Hexanone

Concen: 53.525 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tgt Ion: 43 Resp: 285323

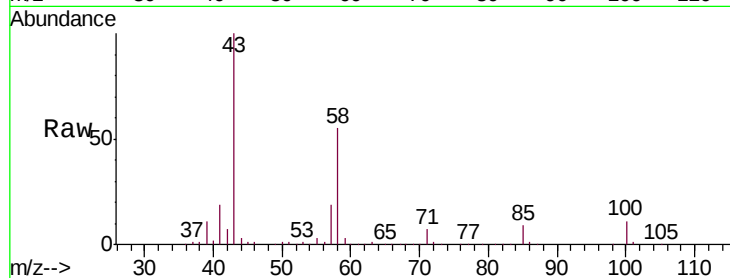
Ion Ratio Lower Upper

43 100

58 53.4 43.6 65.4

57 18.5 15.0 22.4

100 11.3 9.0 13.6

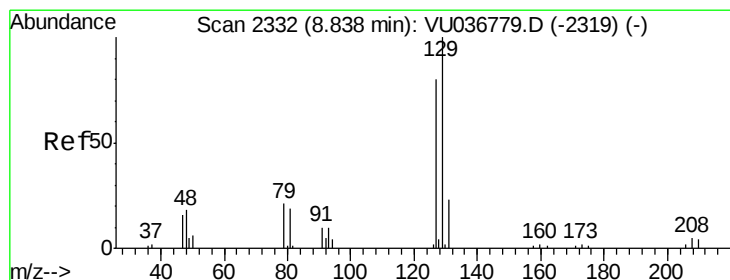
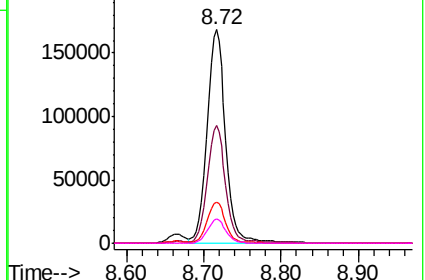
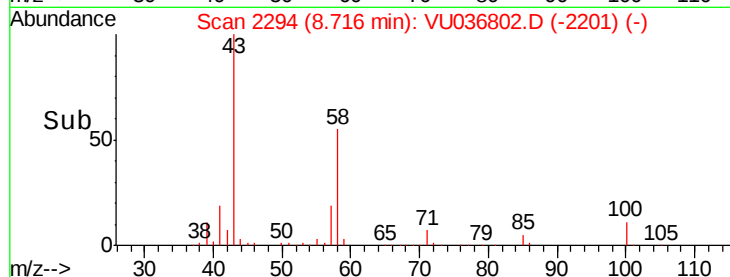


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 5.419 ug/L

RT: 8.84 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VU036802.D

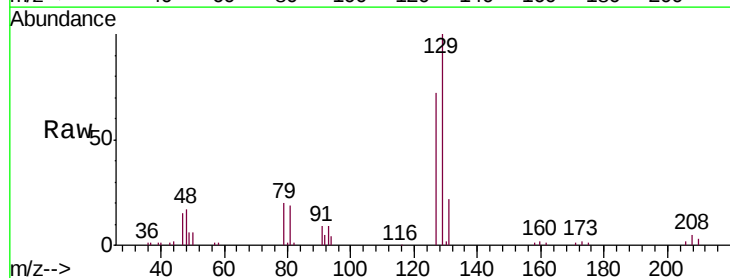
Acq: 17 Feb 2020 10:59

Tgt Ion: 129 Resp: 37633

Ion Ratio Lower Upper

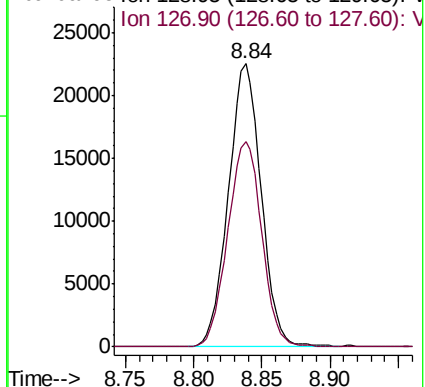
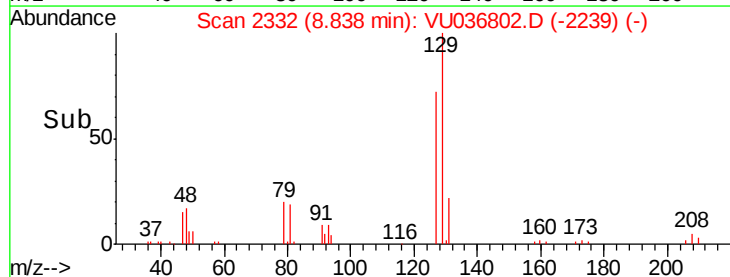
129 100

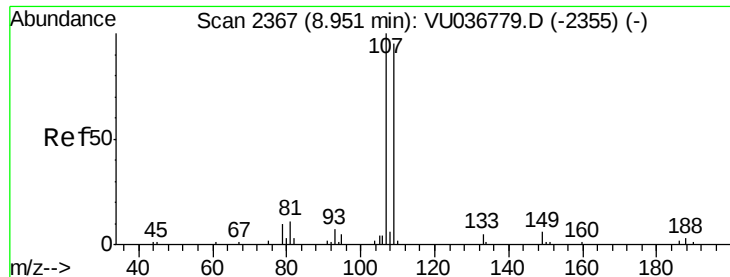
127 72.5 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

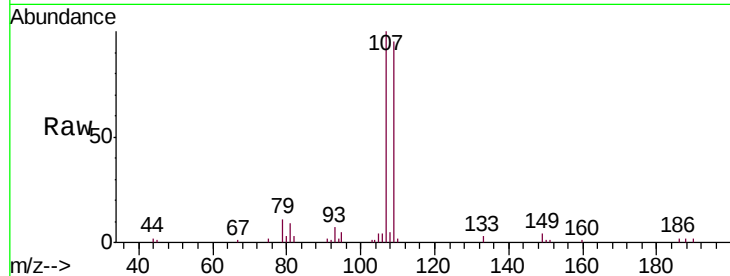




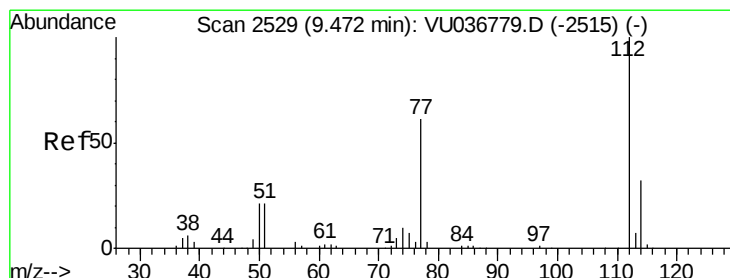
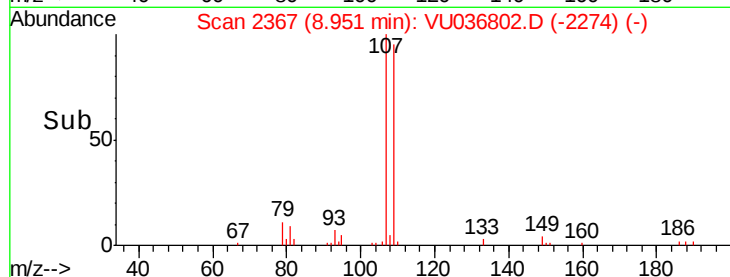
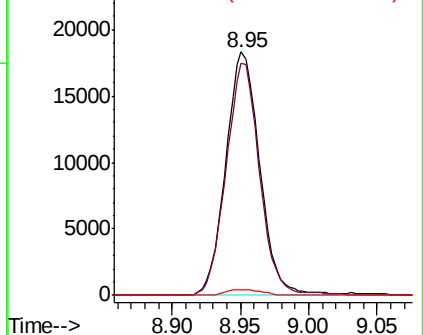
#50
1,2-Dibromoethane
Concen: 5.229 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tgt Ion:107 Resp: 31713
Ion Ratio Lower Upper
107 100
109 95.2 66.4 123.2
188 2.5 2.4 3.6

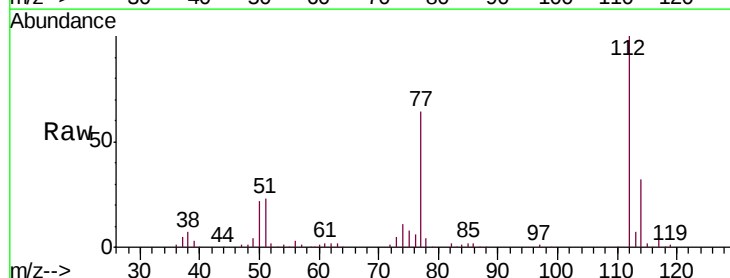


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

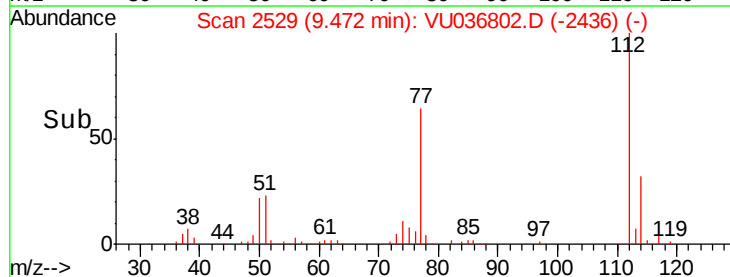
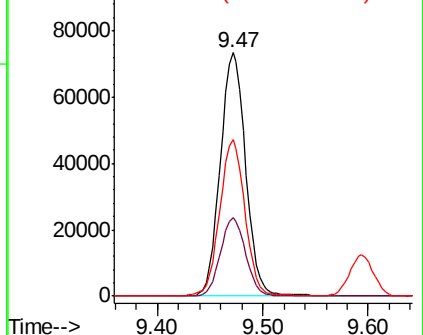


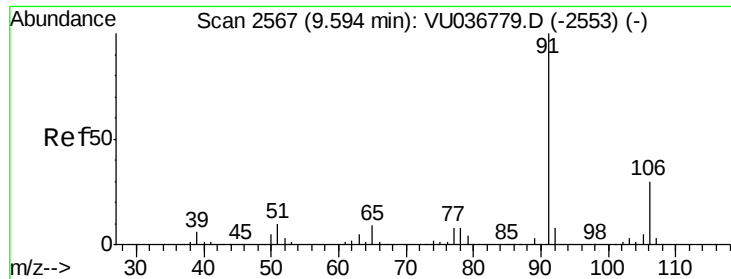
#51
Chlorobenzene
Concen: 5.207 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VU036802.D
Acq: 17 Feb 2020 10:59

Tgt Ion:112 Resp: 122296
Ion Ratio Lower Upper
112 100
114 32.0 22.9 42.5
77 64.1 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.223 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

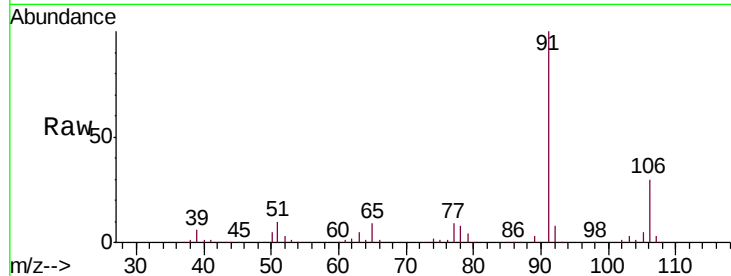
VSTD00520

Tgt Ion: 91 Resp: 221510

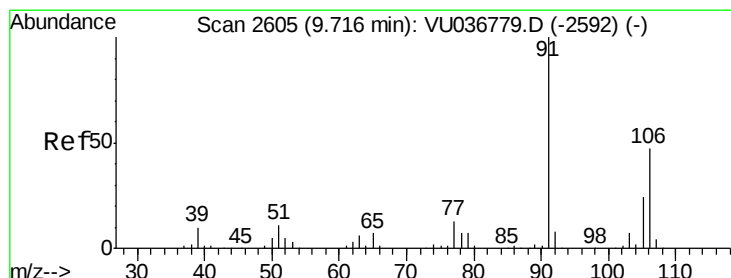
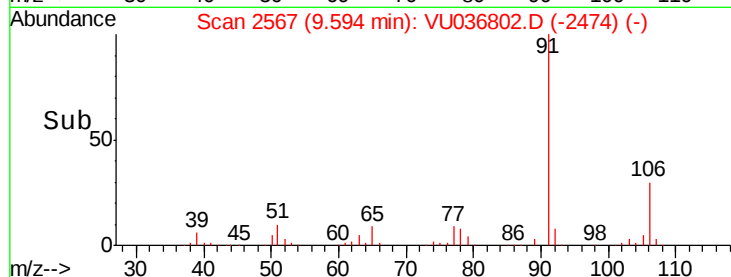
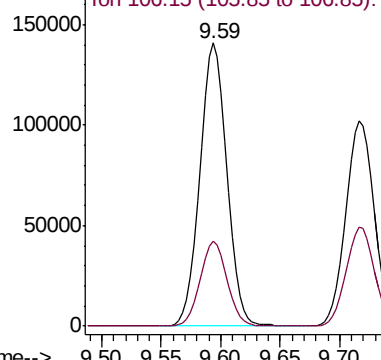
Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036779.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.250 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036802.D

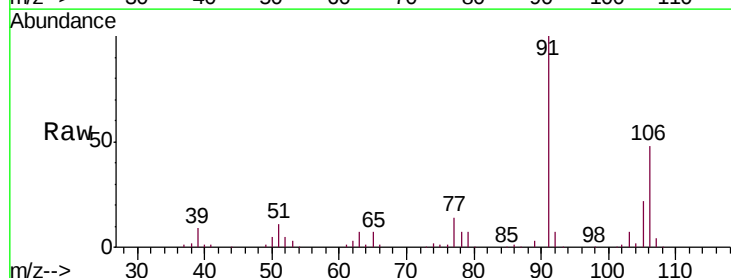
Acq: 17 Feb 2020 10:59

Tgt Ion: 106 Resp: 81936

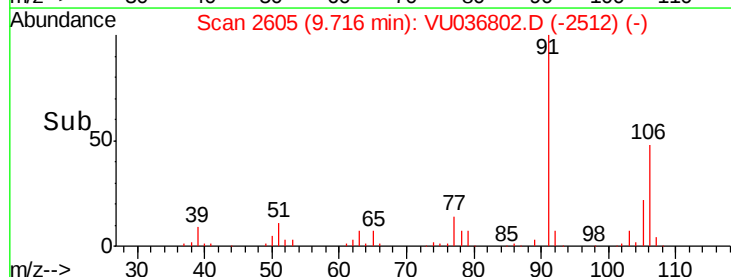
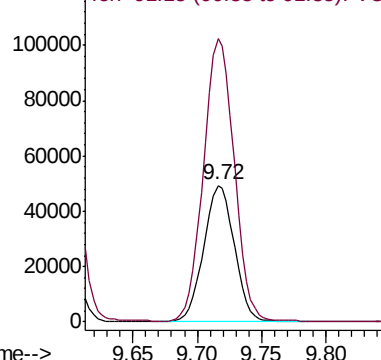
Ion Ratio Lower Upper

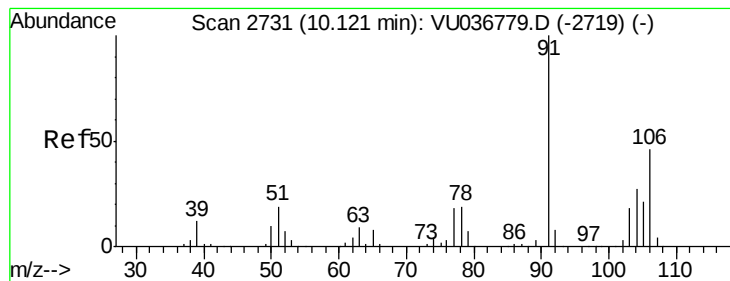
106 100

91 207.6 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036779.D (-2592) (-)





#54

o-Xylene

Concen: 5.313 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

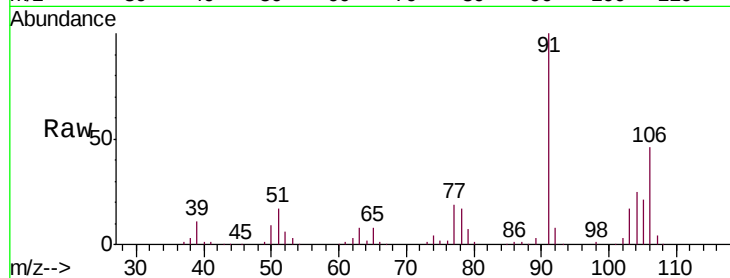
VSTD00520

Tgt Ion:106 Resp: 81432

Ion Ratio Lower Upper

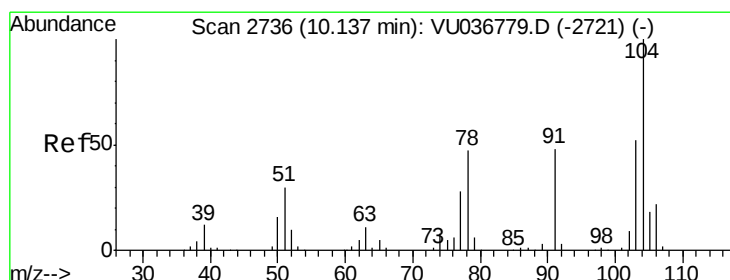
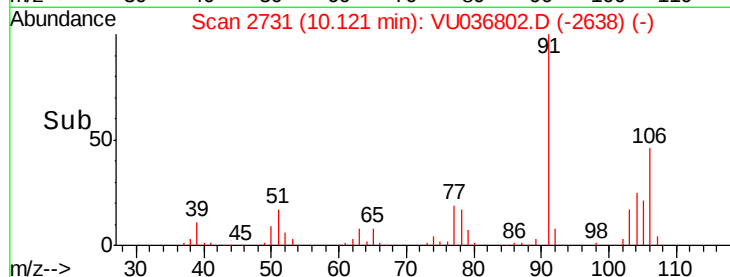
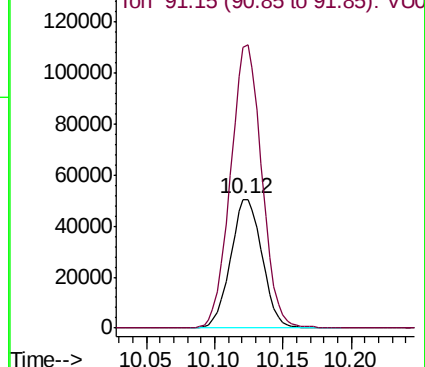
106 100

91 217.6 151.1 280.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.274 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036802.D

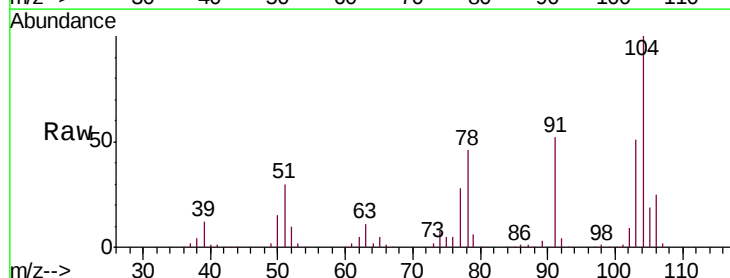
Acq: 17 Feb 2020 10:59

Tgt Ion:104 Resp: 136265

Ion Ratio Lower Upper

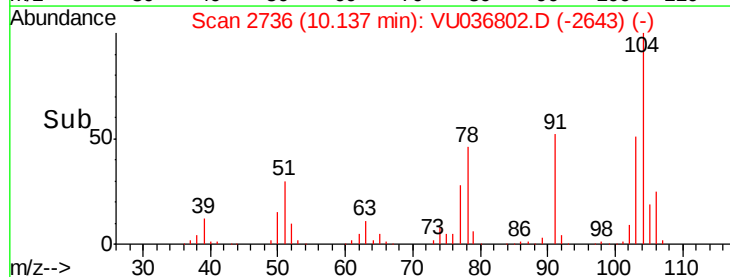
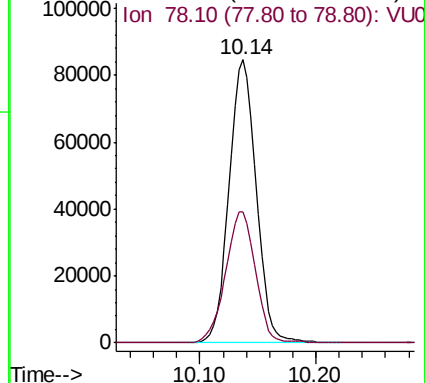
104 100

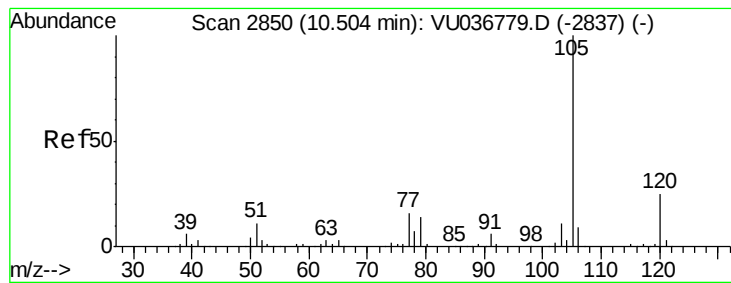
78 46.4 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.246 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

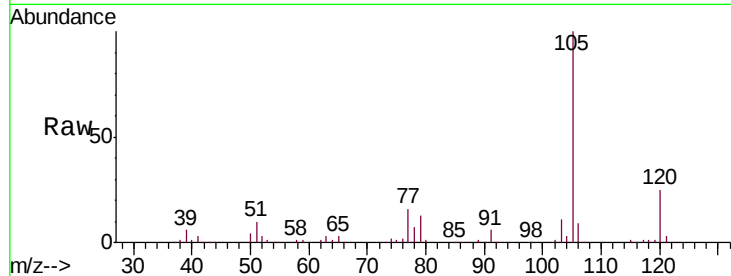
Tgt Ion: 105 Resp: 215148

Ion Ratio Lower Upper

105 100

120 24.9 20.5 30.7

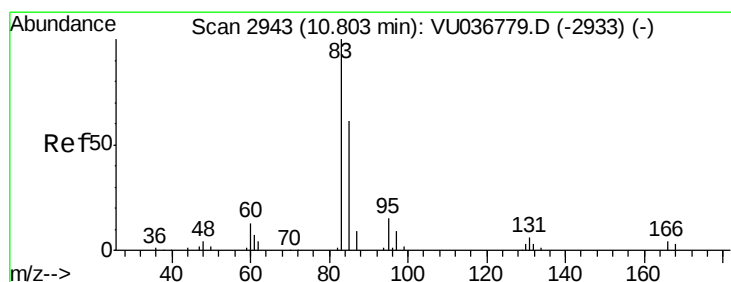
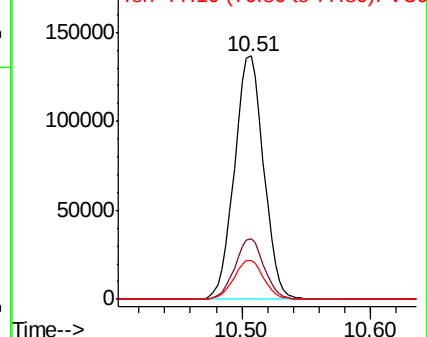
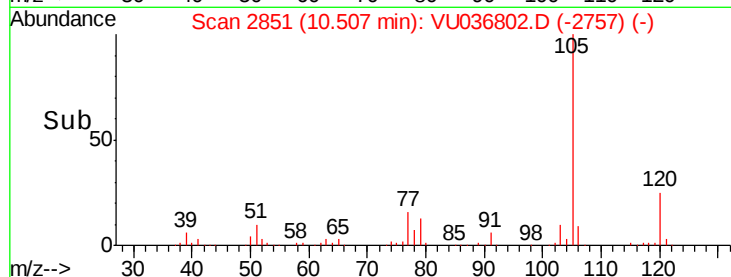
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.240 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

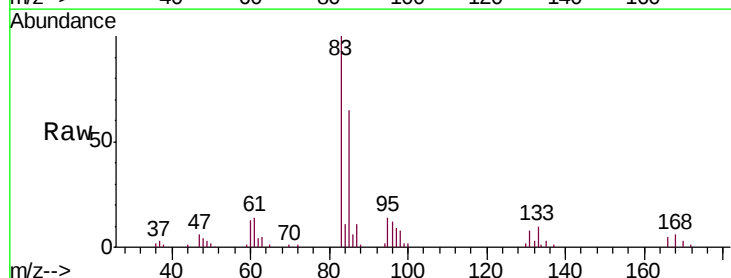
Tgt Ion: 83 Resp: 46063

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

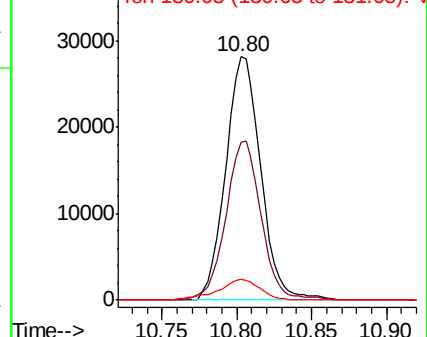
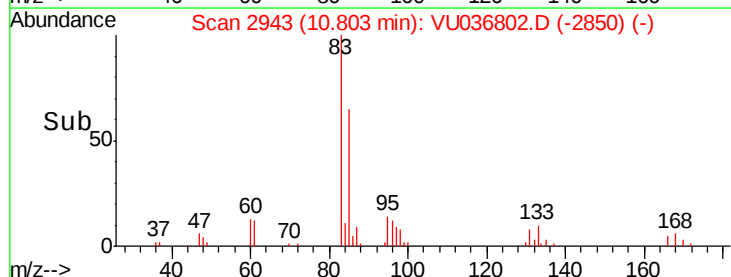
131 8.4 6.8 10.2

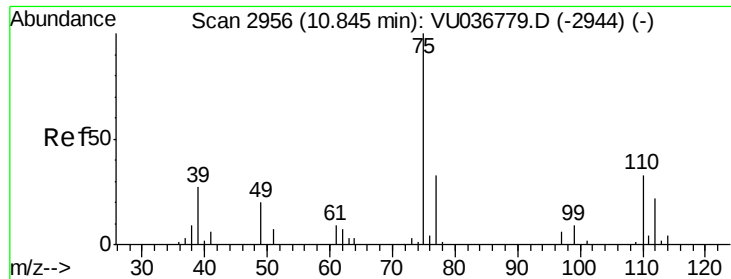


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

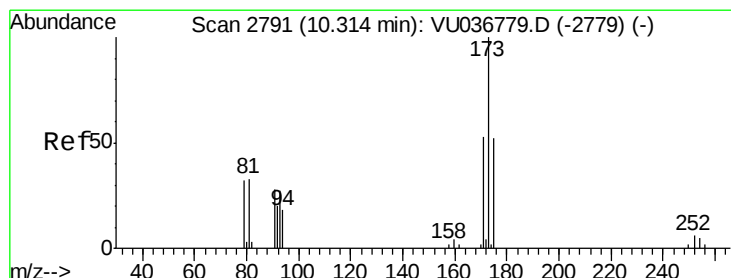
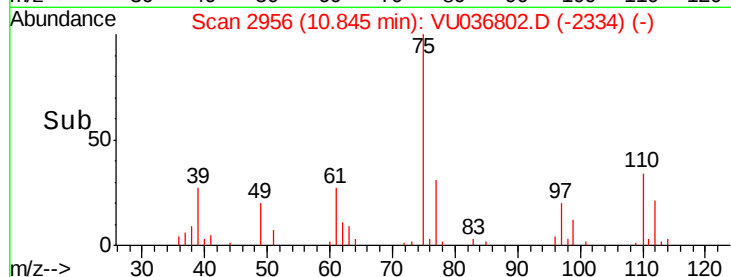
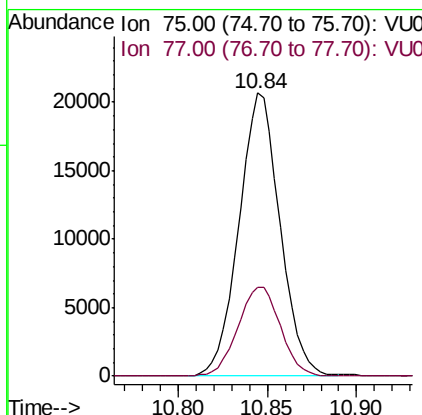
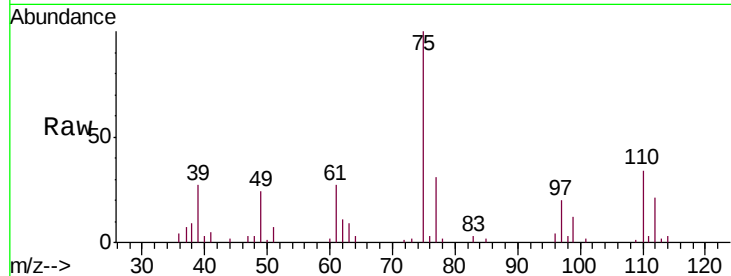




#59
 1,2,3-Trichloropropane
 Concen: 5.219 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

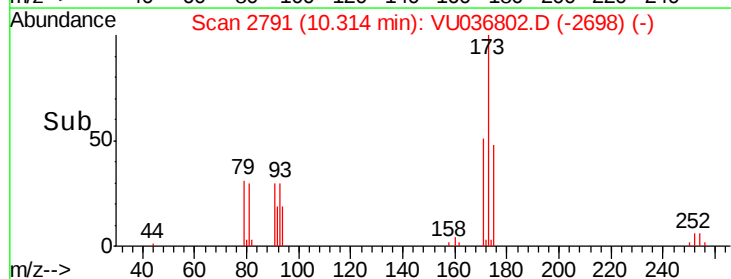
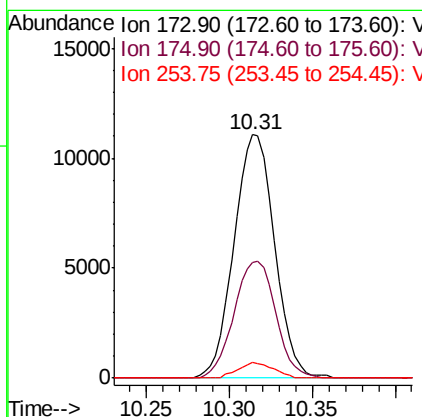
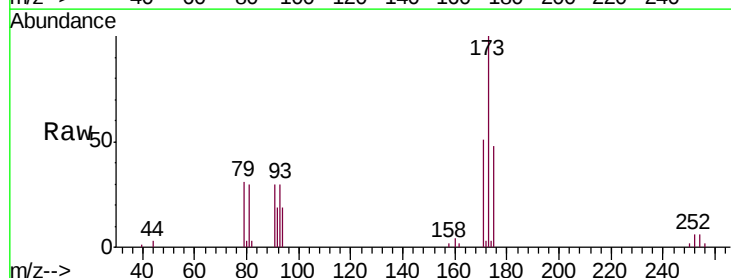
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

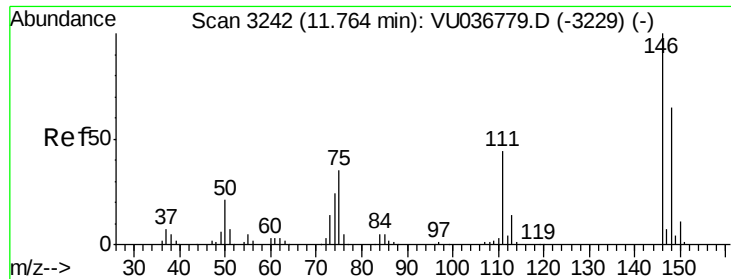
Tgt Ion: 75 Resp: 33265
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4



#61
 Bromoform
 Concen: 5.340 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 173 Resp: 18889
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.9 59.9
 254 5.6 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 5.177 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

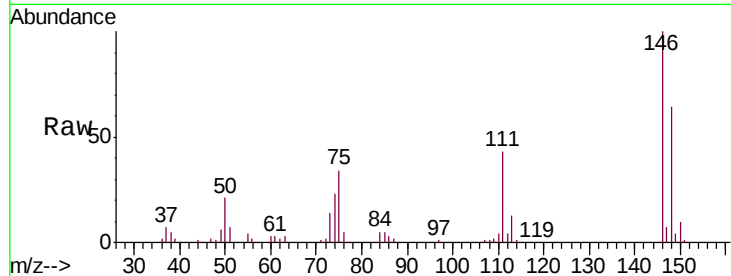
Tgt Ion:146 Resp: 91571

Ion Ratio Lower Upper

146 100

111 43.2 30.0 55.8

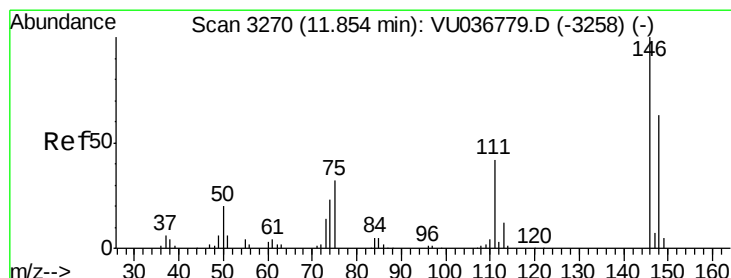
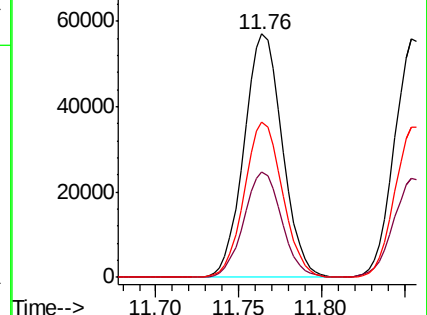
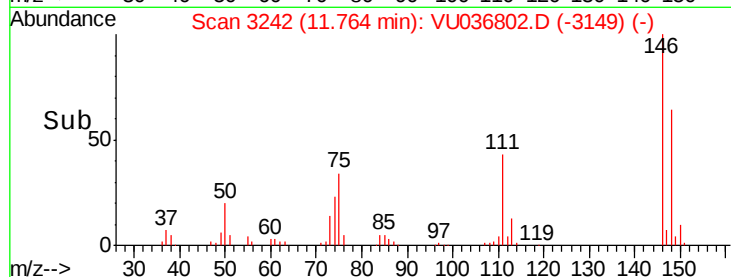
148 64.0 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.134 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

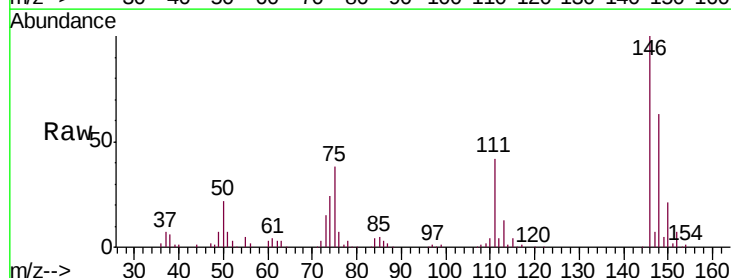
Tgt Ion:146 Resp: 90012

Ion Ratio Lower Upper

146 100

111 41.8 29.2 54.2

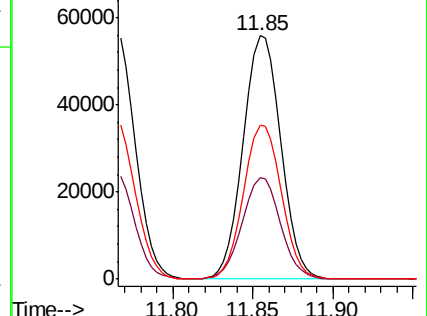
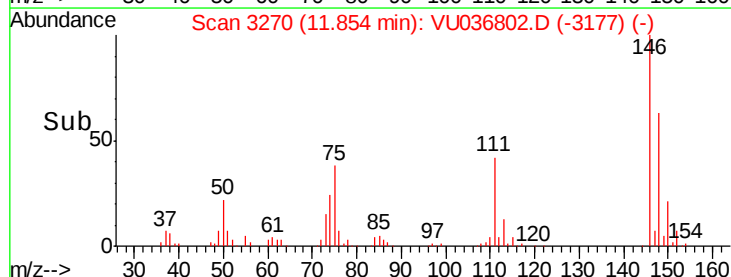
148 63.1 44.3 82.3

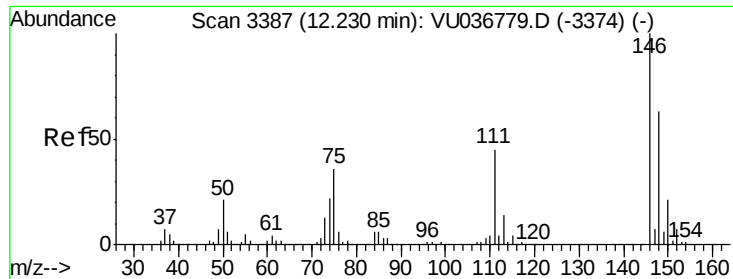


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

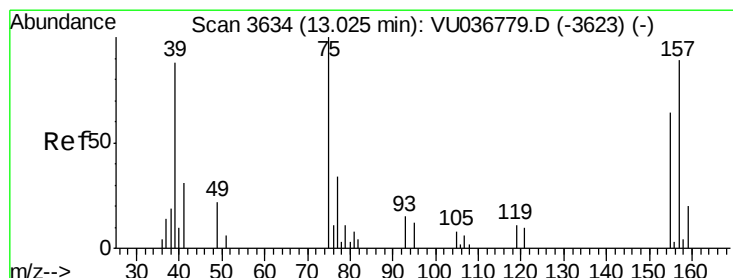
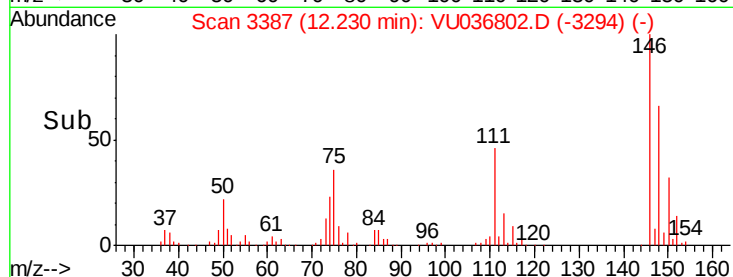
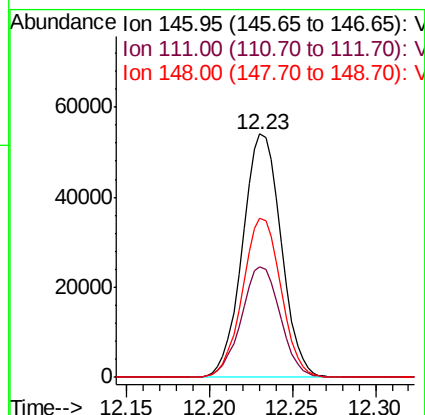
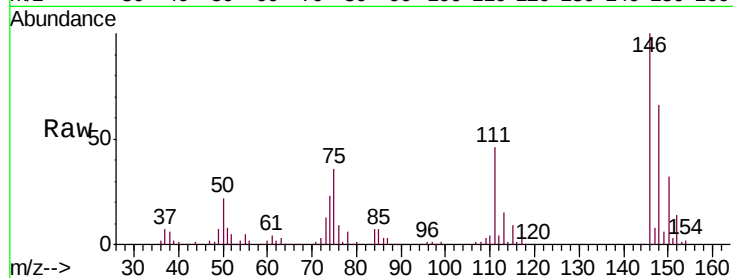




#65
 1,2-Dichlorobenzene
 Concen: 5.128 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

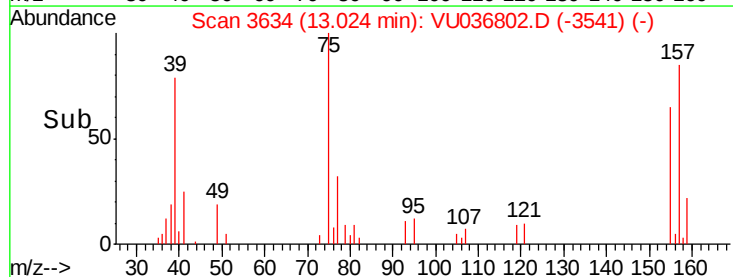
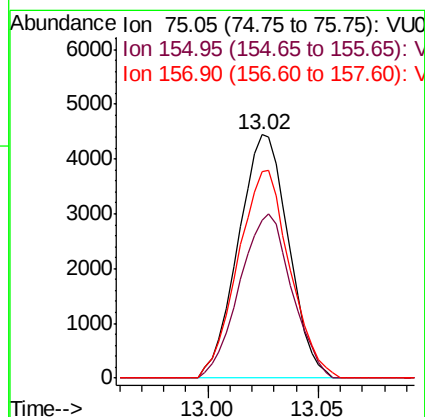
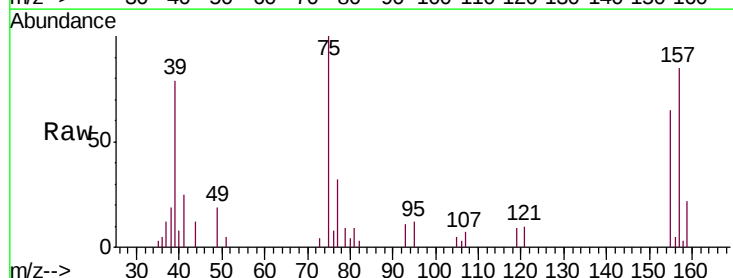
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

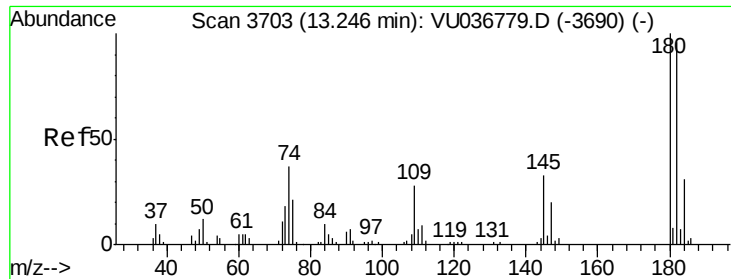
Tgt Ion: 146 Resp: 87440
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.9 53.9
 148 65.6 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.509 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion: 75 Resp: 7010
 Ion Ratio Lower Upper
 75 100
 155 64.7 52.9 79.3
 157 84.9 69.2 103.8

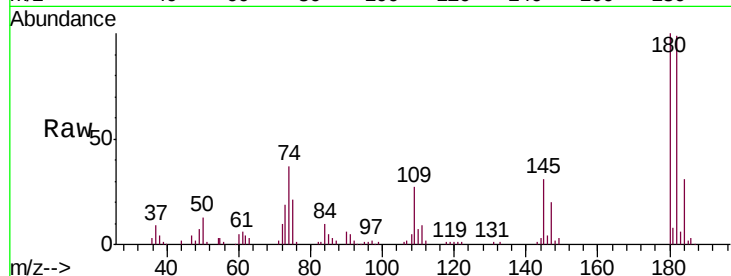




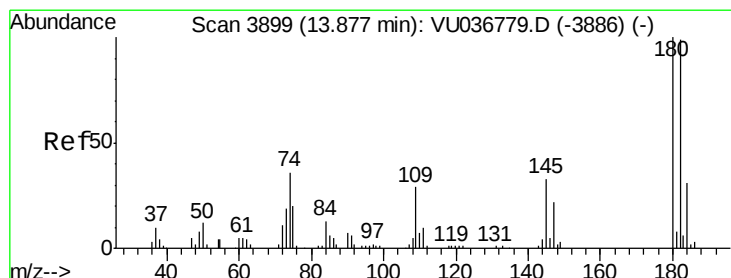
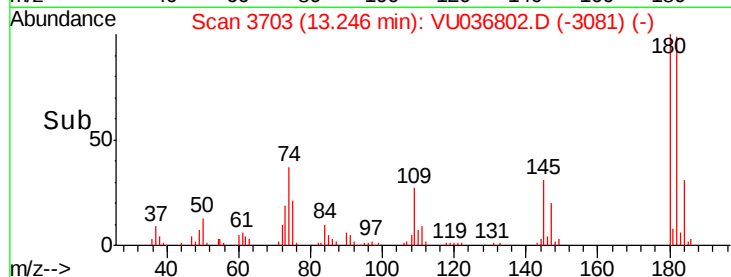
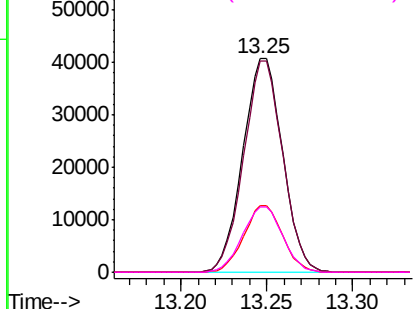
#67
 1,3,5-Trichlorobenzene
 Concen: 5.244 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tgt Ion:180 Resp: 65294
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.4 114.6
 184 30.3 24.6 37.0
 145 31.0 25.3 37.9

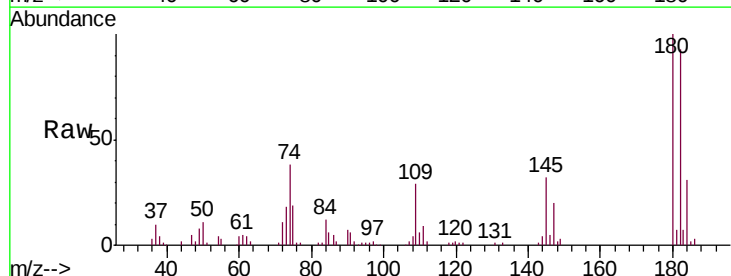


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

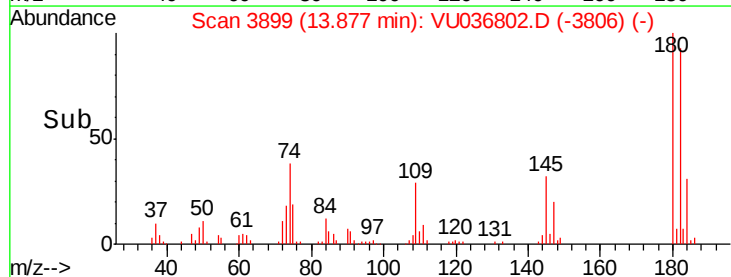
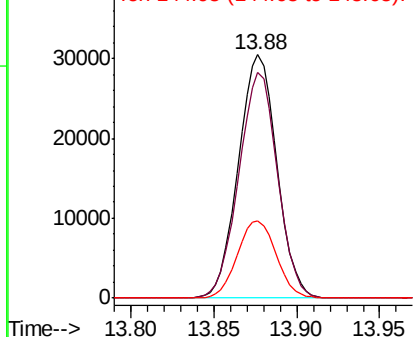


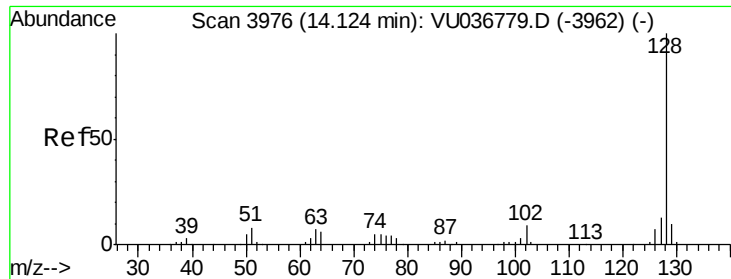
#68
 1,2,4-trichlorobenzene
 Concen: 5.227 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. -0.00 min
 Lab File: VU036802.D
 Acq: 17 Feb 2020 10:59

Tgt Ion:180 Resp: 49078
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.0 115.6
 145 32.1 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.361 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

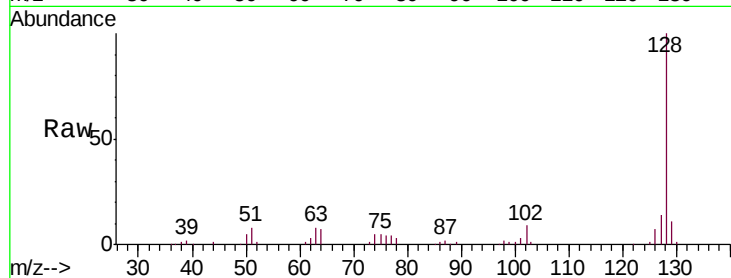
Tgt Ion:128 Resp: 91197

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

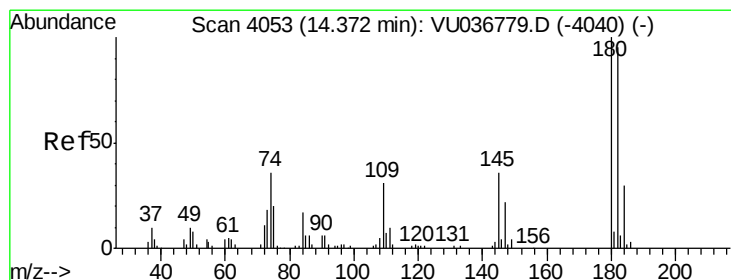
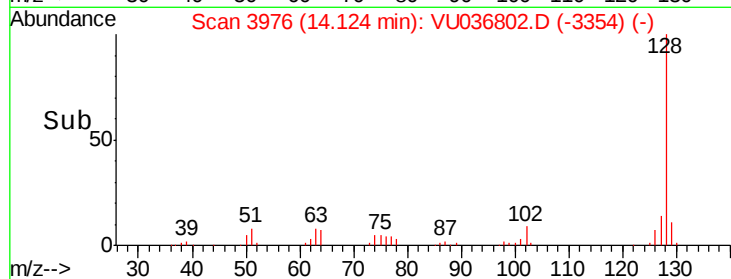
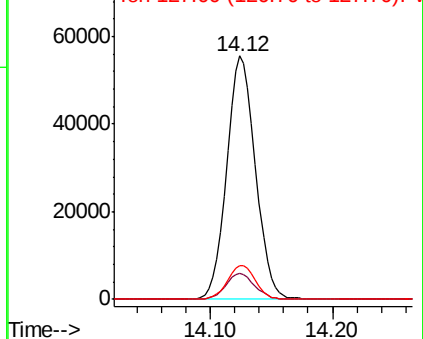
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.318 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VU036802.D

Acq: 17 Feb 2020 10:59

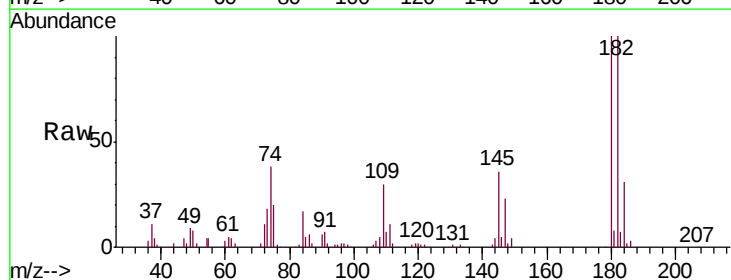
Tgt Ion:180 Resp: 44810

Ion Ratio Lower Upper

180 100

182 96.0 78.2 117.4

145 34.1 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

