

Data File : VU036897.D
Acq On : 25 Feb 2020 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Feb 26 01:28:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 15:15:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	267928	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252968	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112220	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108762	48.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.68%
7) Chloroethane-d5	1.93	69	92330	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.18%
11) 1,1-Dichloroethene-d2	2.59	63	184812	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
21) 2-Butanone-d5	4.67	46	158077	104.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.74%
24) Chloroform-d	5.11	84	175759	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
26) 1,2-Dichloroethane-d4	5.74	65	117340	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
32) Benzene-d6	5.76	84	375844	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.73	67	121877	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.93	98	346089	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.98%
43) trans-1,3-Dichloropropene-	8.20	79	56880	51.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.28%
47) 2-Hexanone-d5	8.66	63	124376	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	174409	52.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	110775	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	115940	51.017 ug/L	100
3) Chloromethane	1.54	50	128819	49.270 ug/L	100
5) Vinyl chloride	1.62	62	133526	49.512 ug/L	99
6) Bromomethane	1.87	94	75539	54.593 ug/L	98
8) Chloroethane	1.95	64	81143	50.194 ug/L	100
9) Trichlorofluoromethane	2.16	101	143930	50.321 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90132	52.678 ug/L	98
12) 1,1-Dichloroethene	2.60	96	87035	50.293 ug/L	95
13) Acetone	2.66	43	162583	104.729 ug/L	99
14) Carbon disulfide	2.82	76	269366	49.196 ug/L	100
15) Methyl Acetate	2.98	43	118364	50.022 ug/L	100
16) Methylene chloride	3.08	84	103884	49.217 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	92338	49.670 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	301086	49.824 ug/L	100
19) 1,1-Dichloroethane	3.91	63	180431	49.949 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	103597	49.838 ug/L	98
22) 2-Butanone	4.75	43	194771	104.044 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47900	50.883	ug/L	97
25) Chloroform	5.13	83	174826	50.160	ug/L	100
27) 1,2-Dichloroethane	5.83	62	143771	50.668	ug/L	99
29) Cyclohexane	5.43	56	167933	50.026	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	136217	50.224	ug/L	99
31) Carbon tetrachloride	5.56	117	106397	50.049	ug/L	100
33) Benzene	5.81	78	404177	50.575	ug/L	100
34) Trichloroethene	6.57	95	98987	50.395	ug/L	98
35) Methylcyclohexane	6.79	83	174119	51.127	ug/L	99
37) 1,2-Dichloropropane	6.83	63	107978	50.181	ug/L	100
38) Bromodichloromethane	7.14	83	128908	50.752	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	167912	50.658	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	322330	101.659	ug/L	100
42) Toluene	8.00	91	431816	50.717	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	143483	49.901	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	96084	50.214	ug/L	99
46) Tetrachloroethene	8.58	164	67467	52.140	ug/L	97
48) 2-Hexanone	8.71	43	257989	101.964	ug/L	97
49) Dibromochloromethane	8.83	129	93488	51.474	ug/L	98
50) 1,2-Dibromoethane	8.95	107	102784	51.367	ug/L	99
51) Chlorobenzene	9.47	112	254667	50.481	ug/L	99
52) Ethylbenzene	9.59	91	464180	50.291	ug/L	100
53) m,p-Xylene	9.72	106	175074	51.710	ug/L	99
54) o-xylene	10.12	106	170742	50.564	ug/L	99
55) Styrene	10.13	104	285175	51.662	ug/L	100
56) Isopropylbenzene	10.50	105	441260	50.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	174308	50.954	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140684	50.823	ug/L	99
61) Bromoform	10.31	173	62642	49.373	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	182489	50.129	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	179837	50.001	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	183397	50.455	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36425	50.512	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	120545	52.168	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	92902	53.663	ug/L	99
69) Naphthalene	14.12	128	151315	49.513	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	93887	54.269	ug/L	98

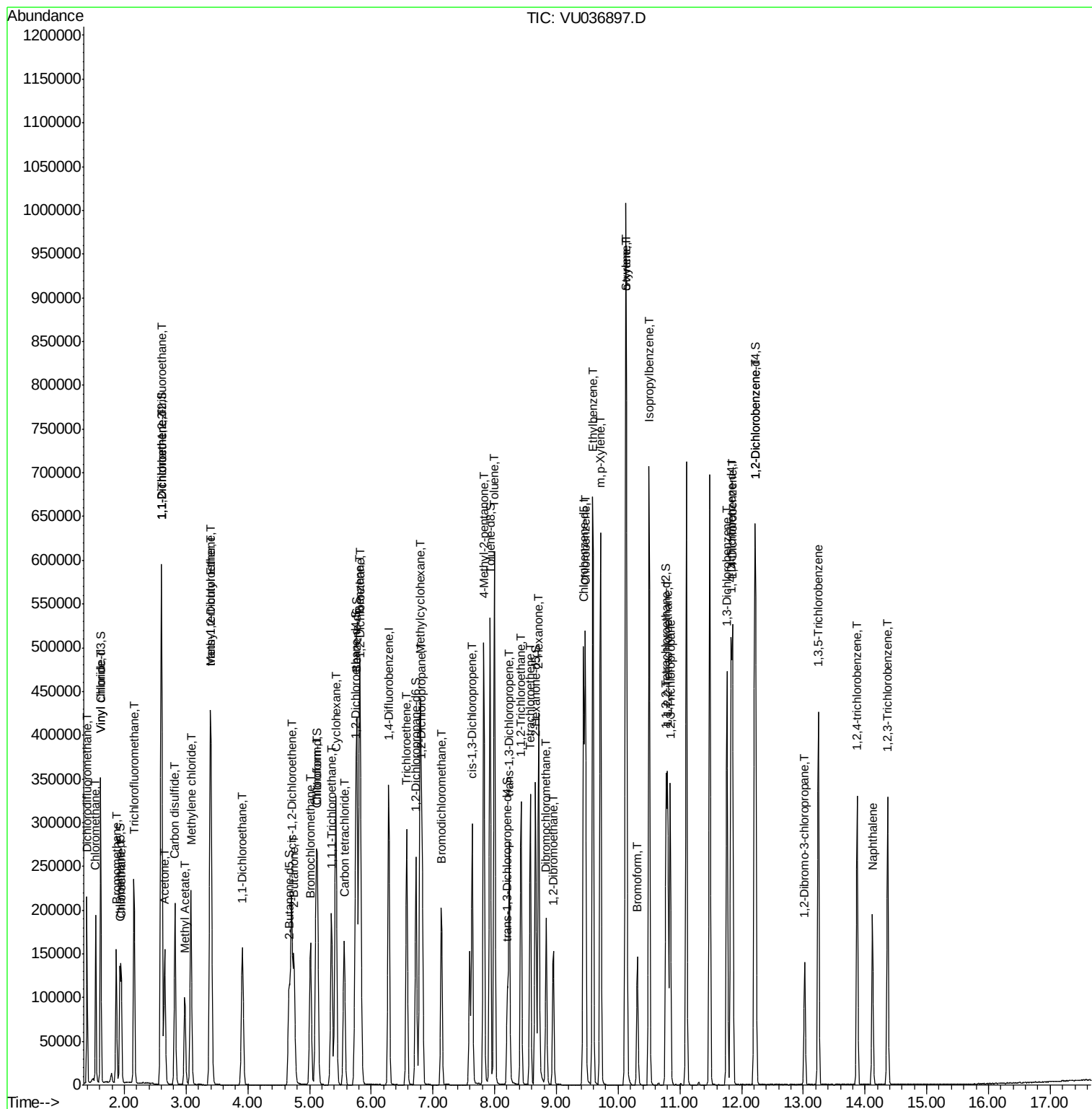
(#) = qualifier out of range (m) = manual integration (+) = signals summed

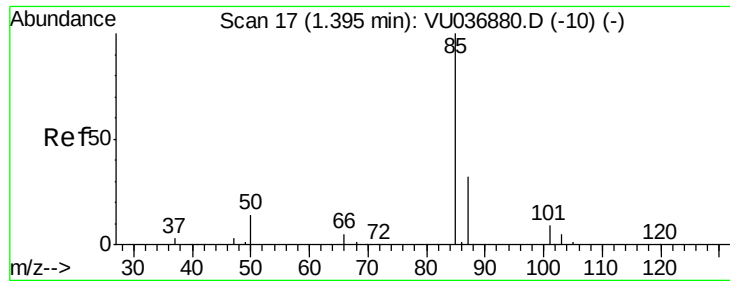
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#2

Dichlorodifluoromethane

Concen: 51.017 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

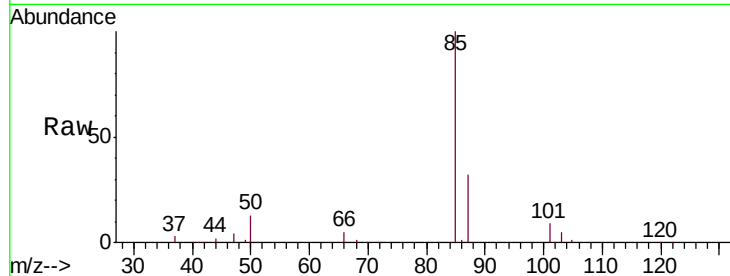
VSTD05056

Tgt Ion: 85 Resp: 115940

Ion Ratio Lower Upper

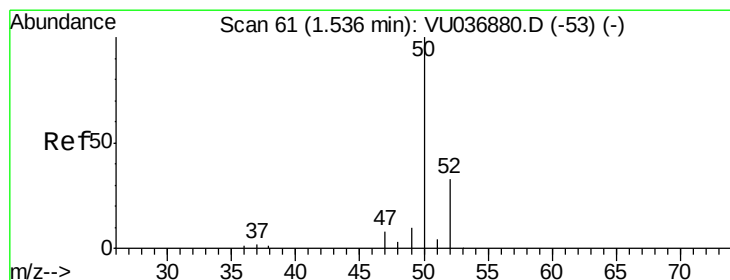
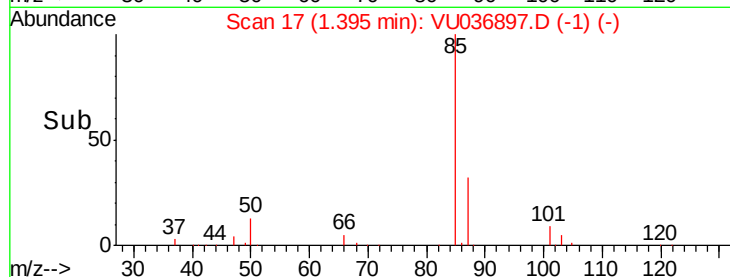
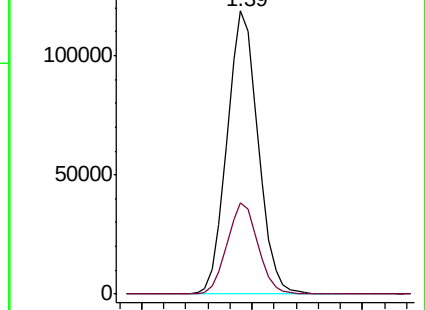
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036880.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036880.D (-10) (-)



#3

Chloromethane

Concen: 49.270 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036897.D

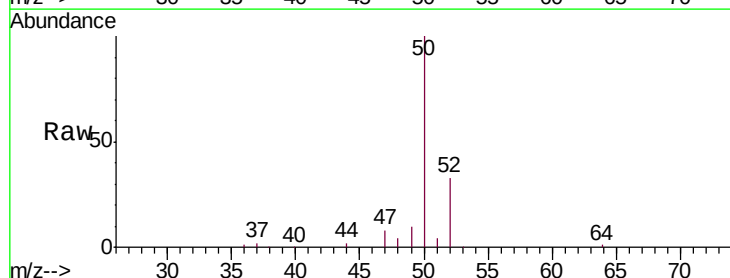
Acq: 25 Feb 2020 10:15

Tgt Ion: 50 Resp: 128819

Ion Ratio Lower Upper

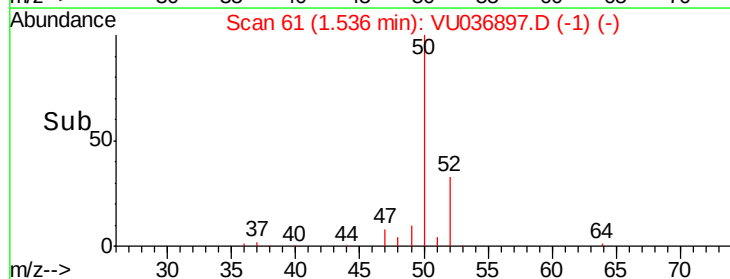
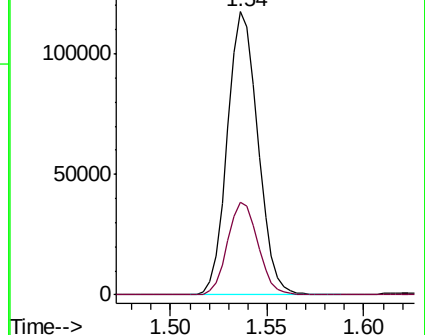
50 100

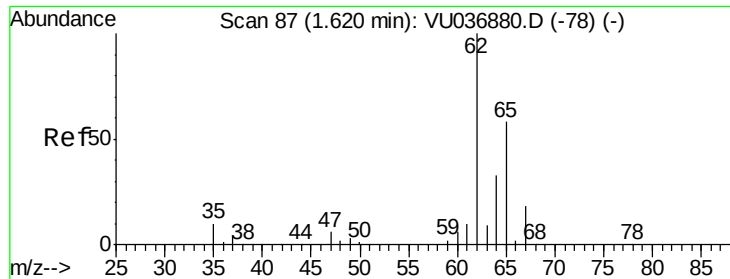
52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036880.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036880.D (-53) (-)





#5

Vinyl chloride

Concen: 49.512 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

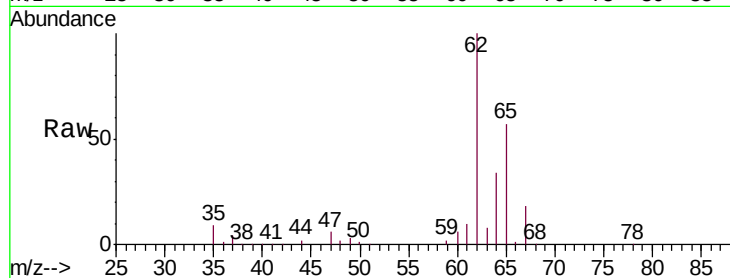
VSTD05056

Tgt Ion: 62 Resp: 133526

Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036880.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036880.D (-78) (-)

150000

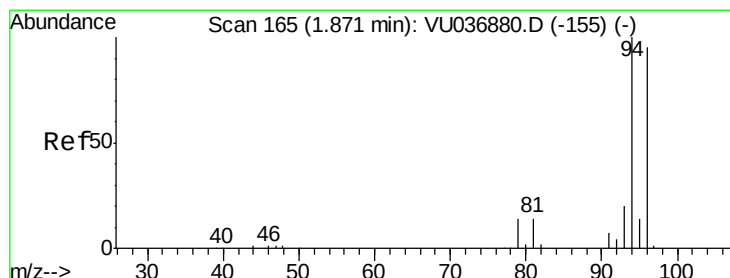
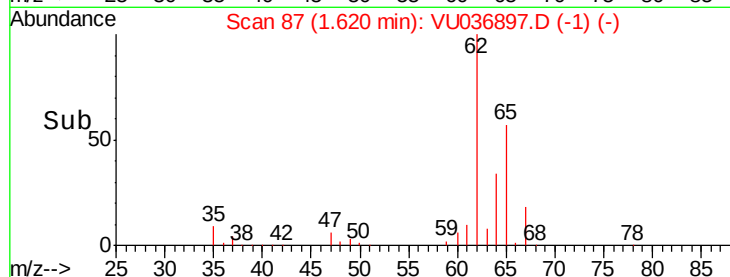
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 54.593 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036897.D

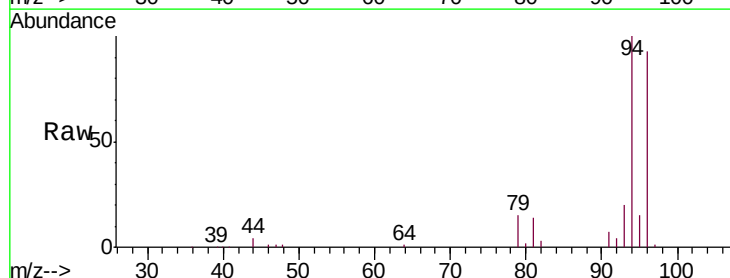
Acq: 25 Feb 2020 10:15

Tgt Ion: 94 Resp: 75539

Ion Ratio Lower Upper

94 100

96 92.9 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036880.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036880.D (-155) (-)

60000

50000

40000

30000

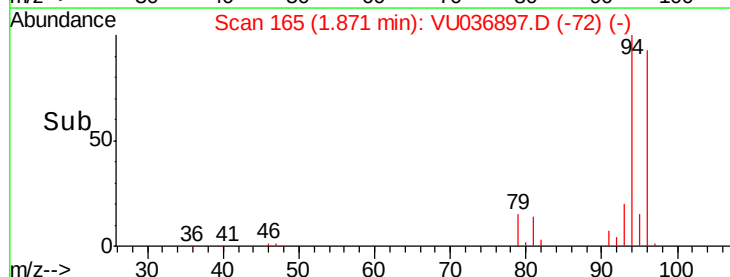
20000

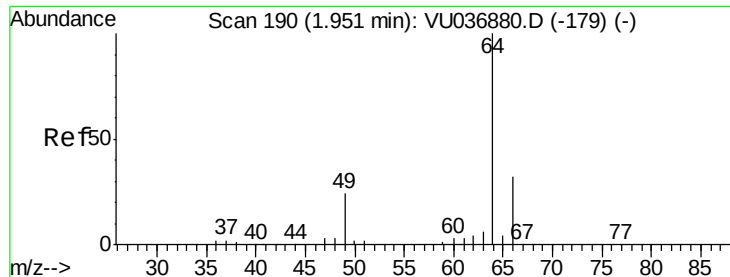
10000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 50.194 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

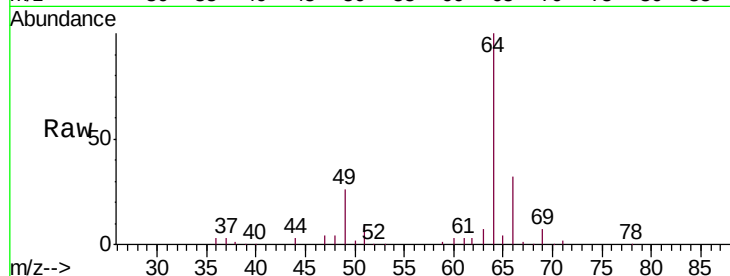
VSTD05056

Tgt Ion: 64 Resp: 81143

Ion Ratio Lower Upper

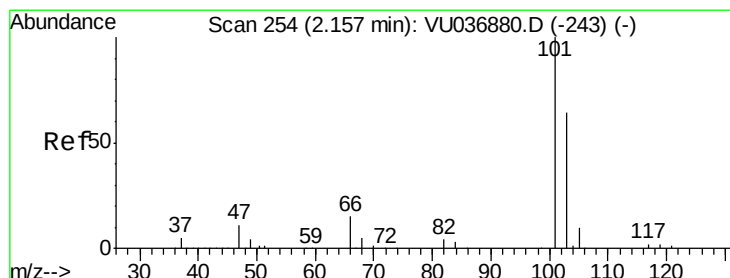
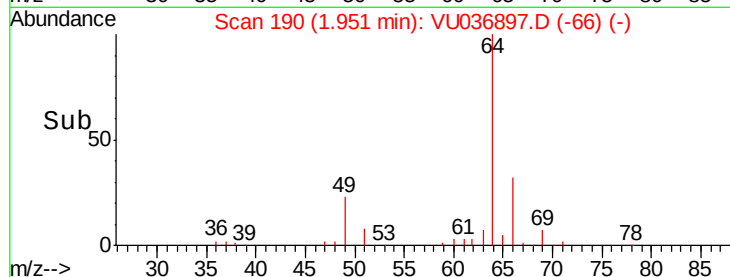
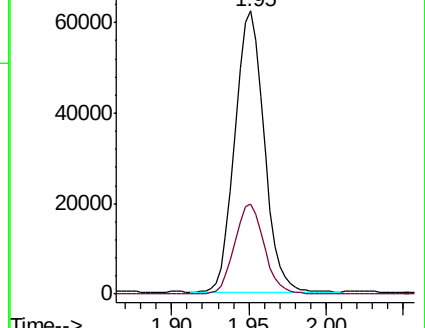
64 100

66 32.0 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036880.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036897.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 50.321 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036897.D

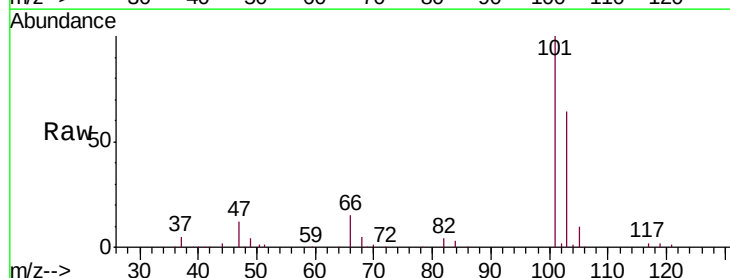
Acq: 25 Feb 2020 10:15

Tgt Ion: 101 Resp: 143930

Ion Ratio Lower Upper

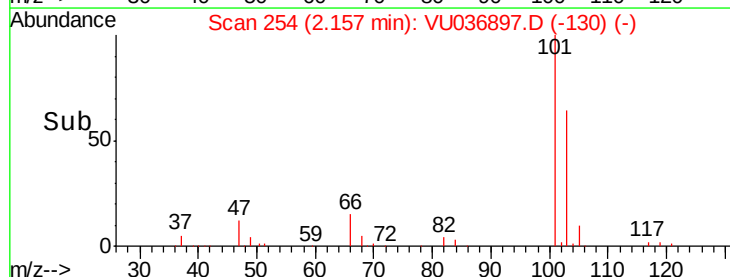
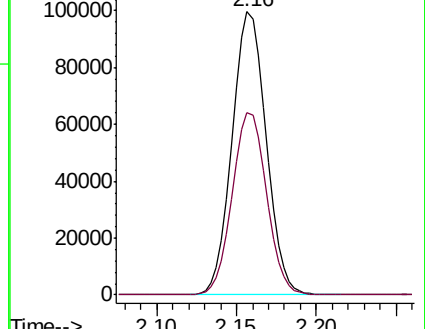
101 100

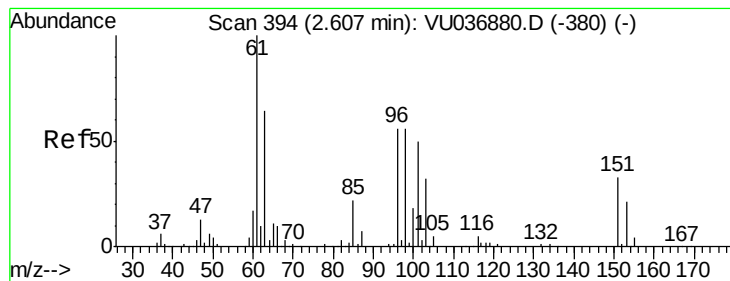
103 65.0 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036880.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036897.D (-130) (-)





#10

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

Concen: 52.678 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036897.D

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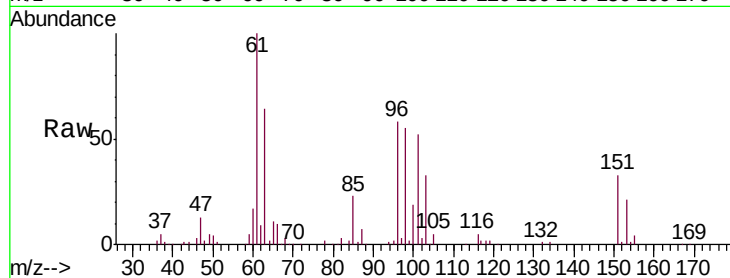
Tgt Ion:101 Resp: 90132

Ion Ratio Lower Upper

101 100

85 43.7 36.4 54.6

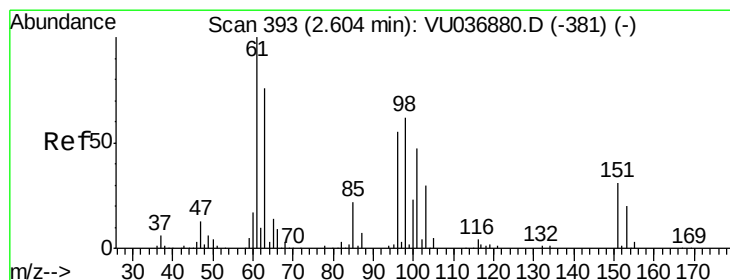
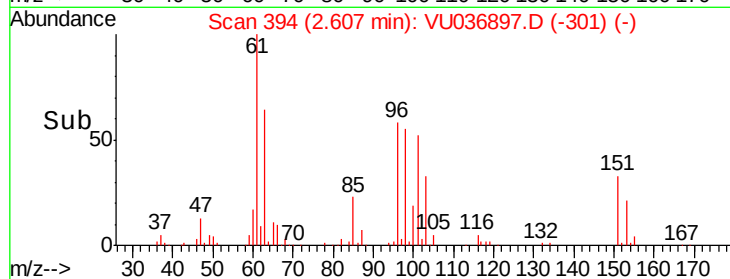
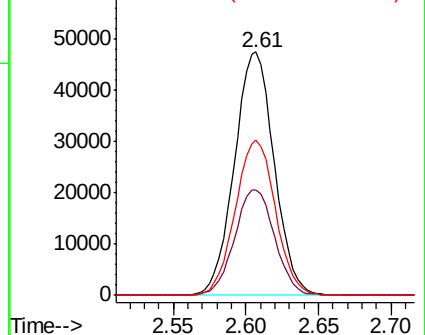
151 64.3 52.4 78.6



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: 50.293 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

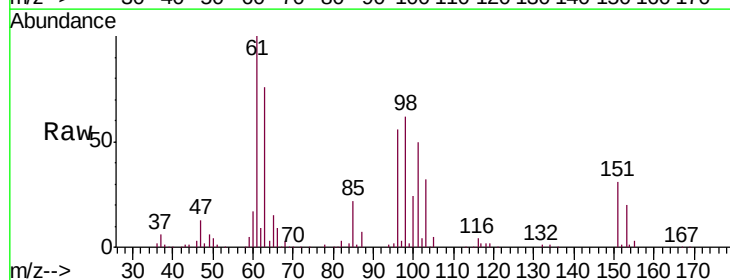
Tgt Ion: 96 Resp: 87035

Ion Ratio Lower Upper

96 100

61 178.6 127.5 236.7

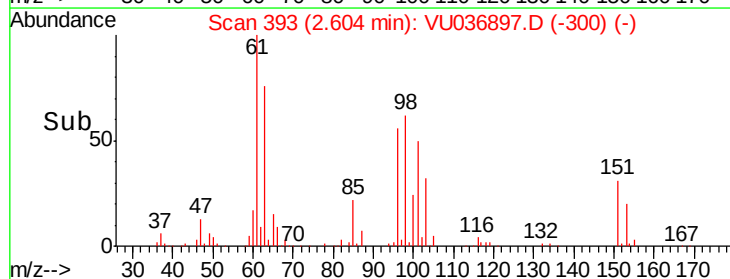
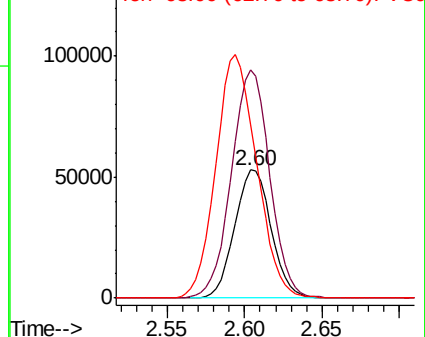
63 135.4 101.4 188.2

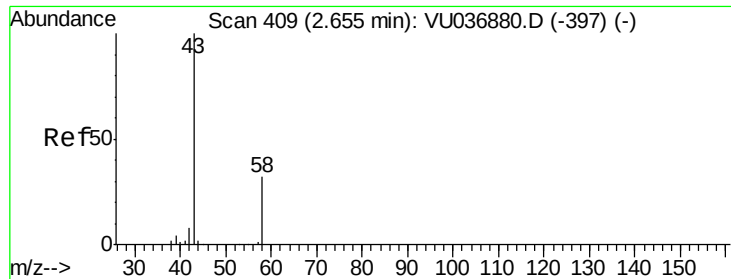


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 104.729 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036897.D

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ClientSampleId :

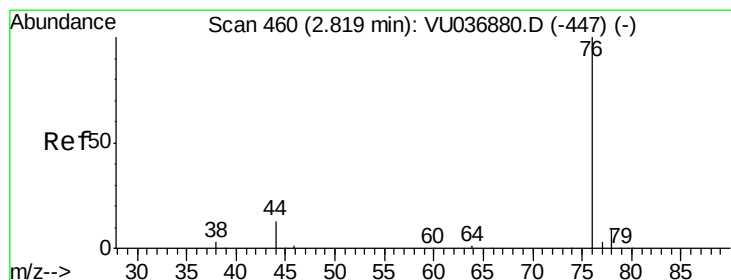
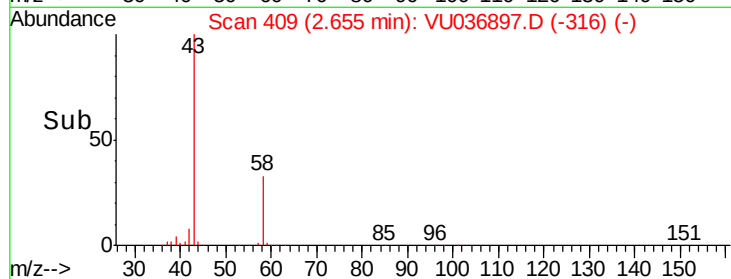
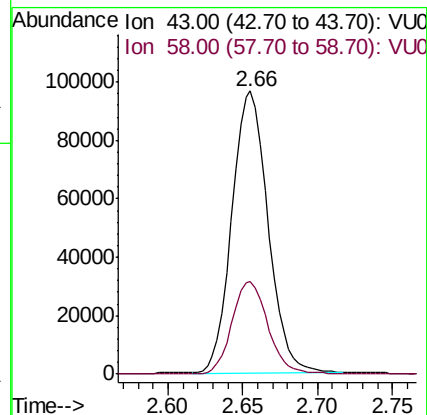
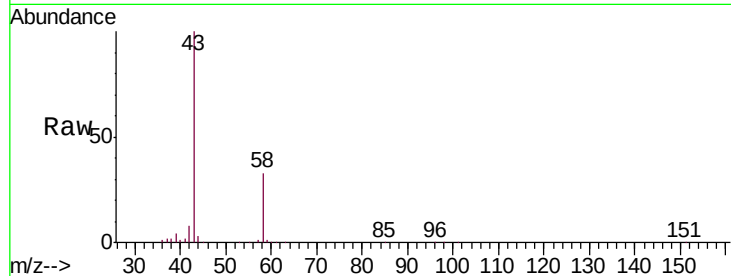
VSTD05056

Tgt Ion: 43 Resp: 162583

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.6



#14

Carbon disulfide

Concen: 49.196 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036897.D

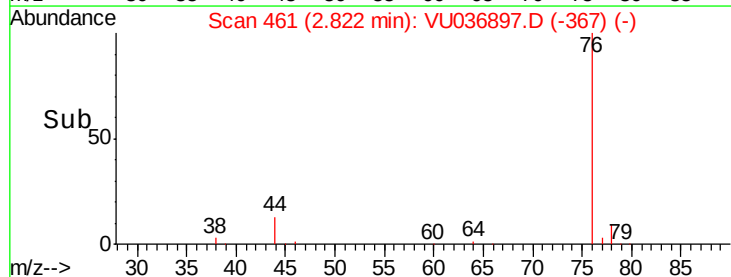
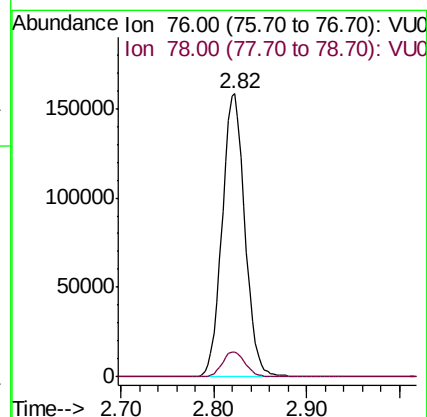
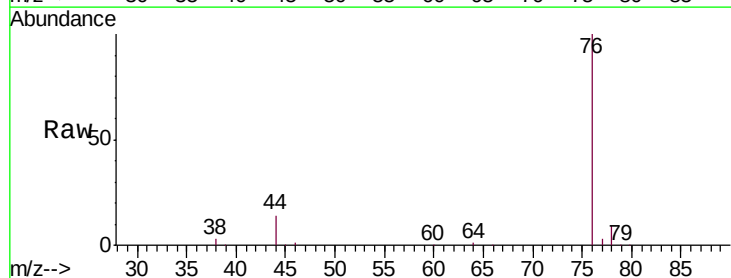
Acq: 25 Feb 2020 10:15

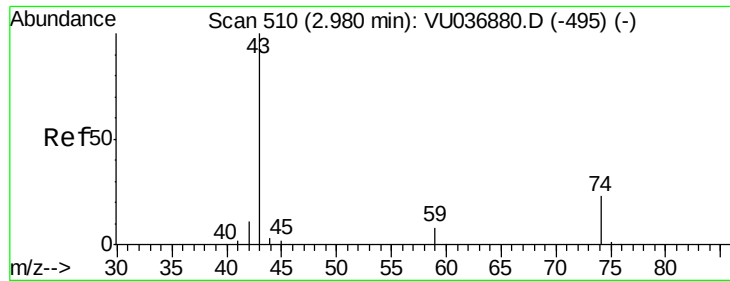
Tgt Ion: 76 Resp: 269366

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 50.022 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

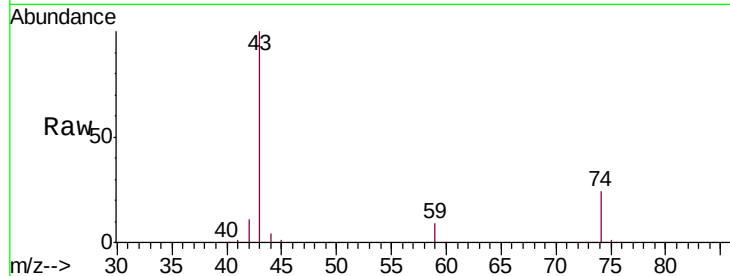
VSTD05056

Tgt Ion: 43 Resp: 118364

Ion Ratio Lower Upper

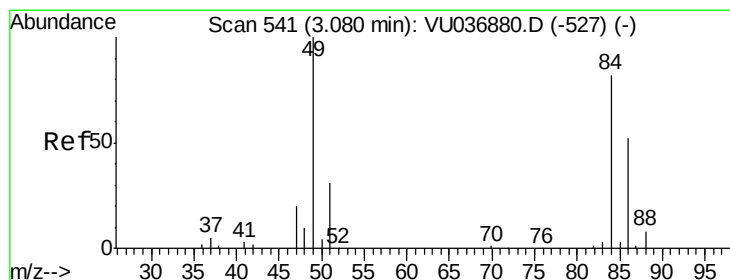
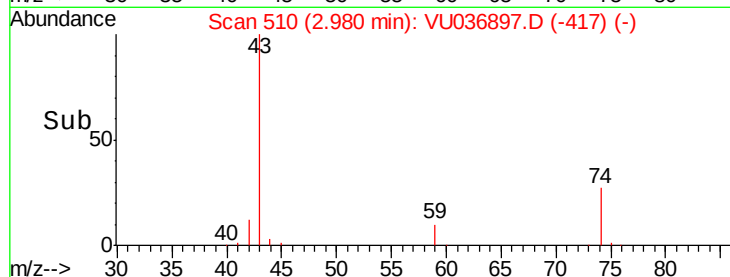
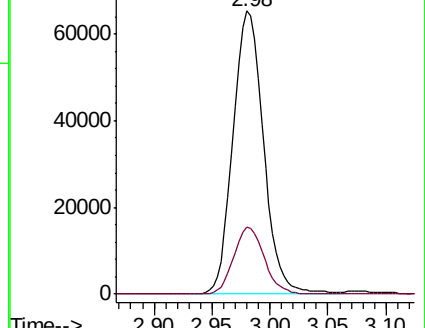
43 100

74 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-495) (-)

Ion 74.00 (73.70 to 74.70): VU036880.D (-495) (-)



#16

Methylene chloride

Concen: 49.217 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

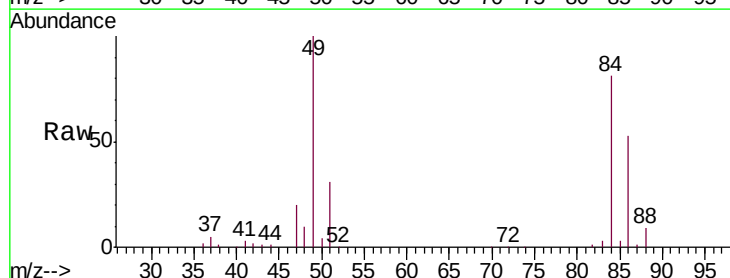
Tgt Ion: 84 Resp: 103884

Ion Ratio Lower Upper

84 100

86 64.6 44.4 82.5

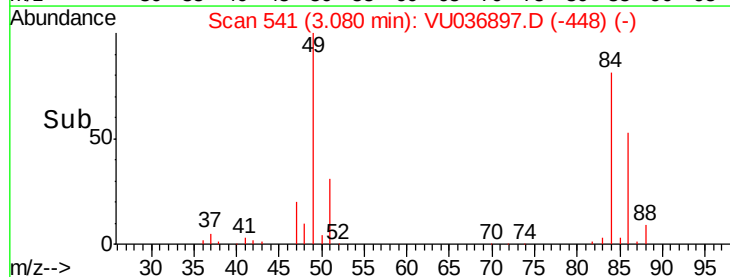
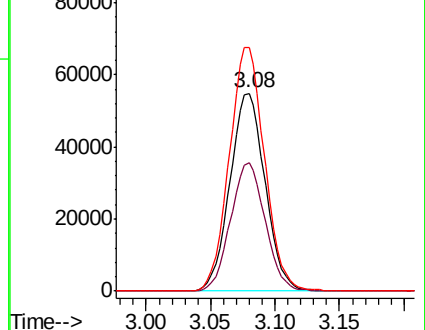
49 123.0 85.9 159.5

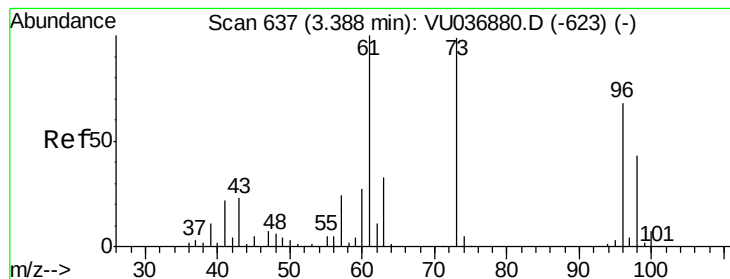


Abundance Ion 84.00 (83.70 to 84.70): VU036880.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036880.D (-527) (-)

Ion 49.00 (48.70 to 49.70): VU036880.D (-527) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.670 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

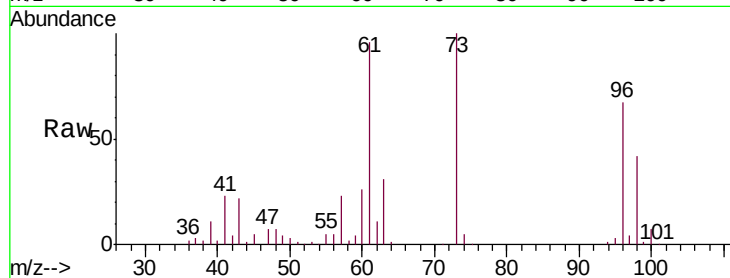
Tgt Ion: 96 Resp: 92338

Ion Ratio Lower Upper

96 100

61 144.2 103.8 192.8

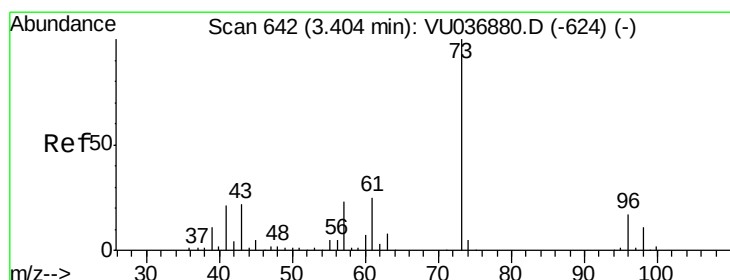
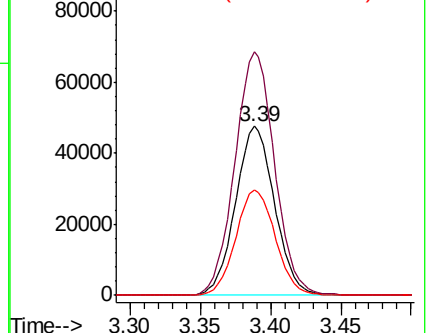
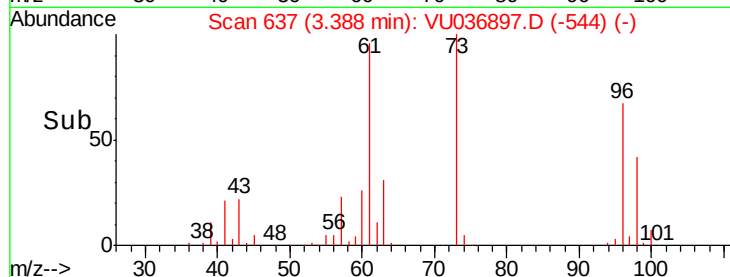
98 62.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036897.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036897.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036897.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 49.824 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

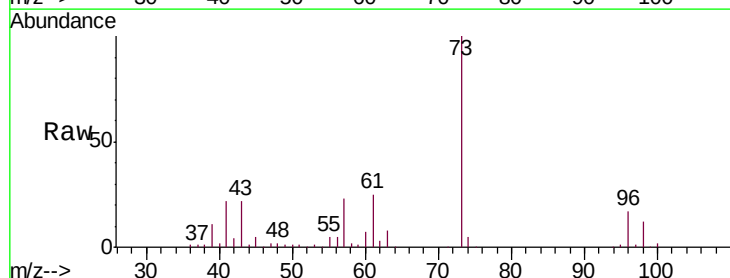
Tgt Ion: 73 Resp: 301086

Ion Ratio Lower Upper

73 100

43 22.4 18.1 27.1

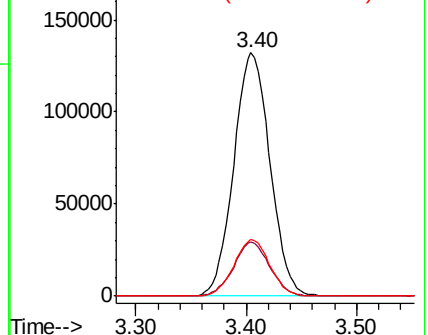
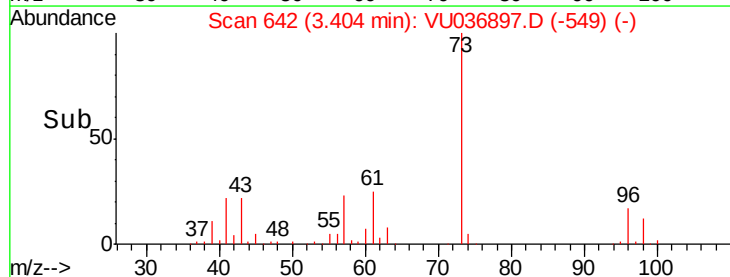
57 23.0 18.4 27.6

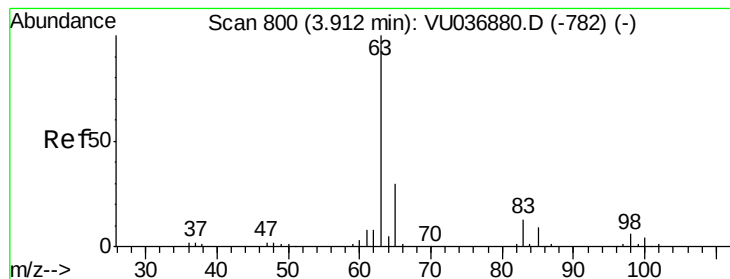


Abundance Ion 73.00 (72.70 to 73.70): VU036897.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036897.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036897.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 49.949 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

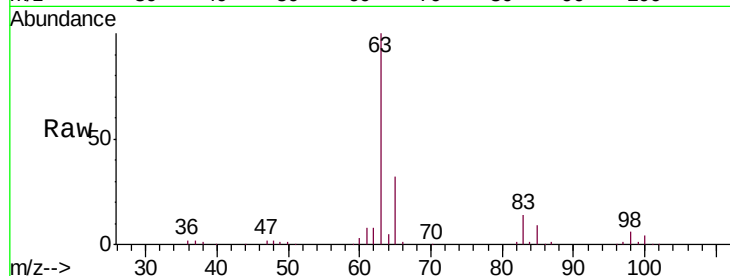
Tgt Ion: 63 Resp: 180431

Ion Ratio Lower Upper

63 100

65 31.6 21.3 39.5

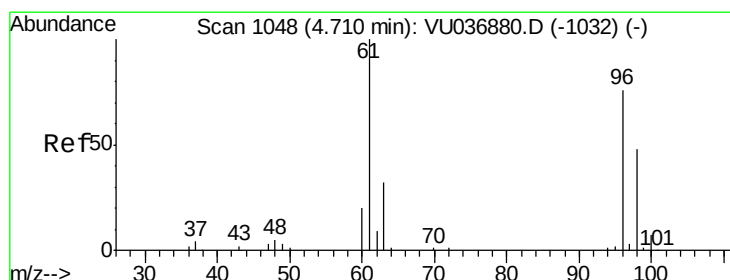
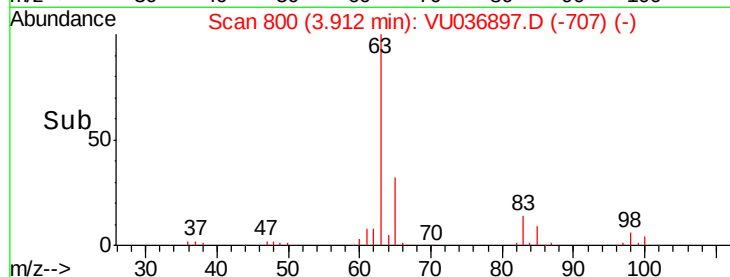
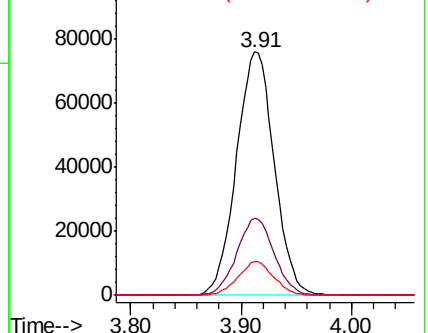
83 13.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036880.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036880.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036880.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.838 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

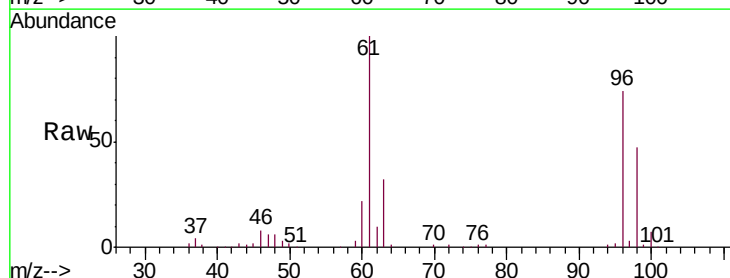
Tgt Ion: 96 Resp: 103597

Ion Ratio Lower Upper

96 100

61 134.8 93.1 172.9

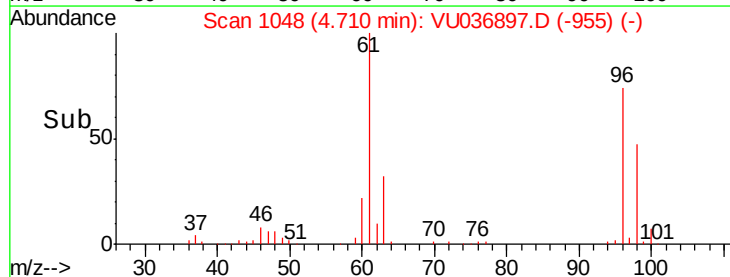
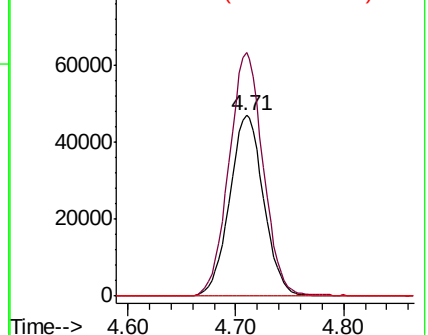
68 0.0 0.0 0.0

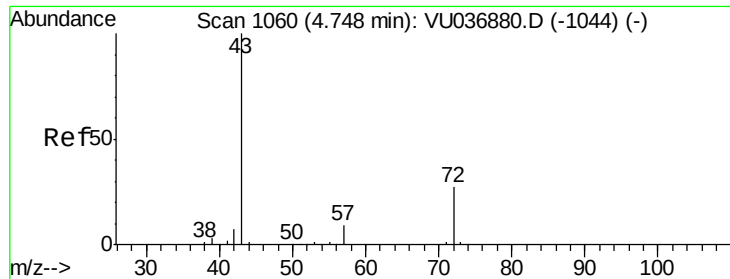


Abundance Ion 96.00 (95.70 to 96.70): VU036880.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036880.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036880.D (-1032) (-)





#22

2-Butanone

Concen: 104.044 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

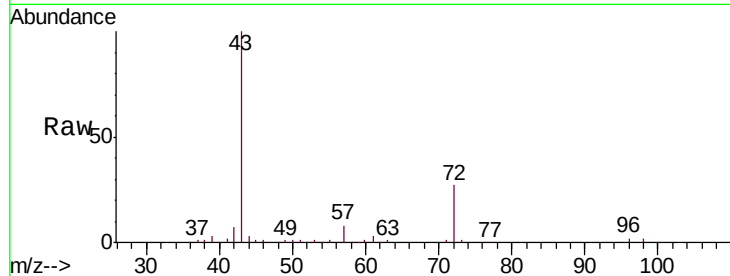
VSTD05056

Tgt Ion: 43 Resp: 194771

Ion Ratio Lower Upper

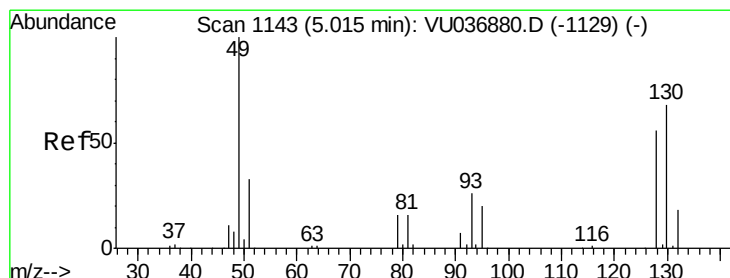
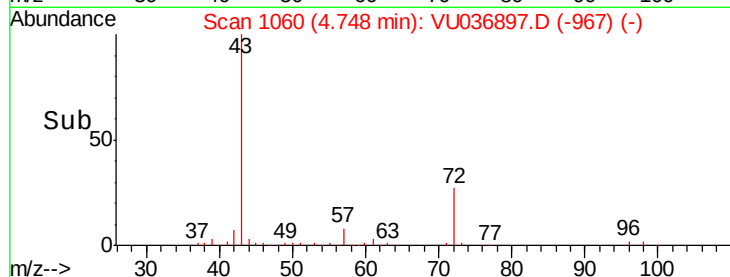
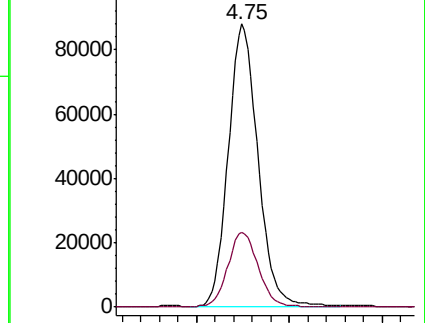
43 100

72 27.6 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU036897.D (-967) (-)



#23

Bromochloromethane

Concen: 50.883 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Tgt Ion: 128 Resp: 47900

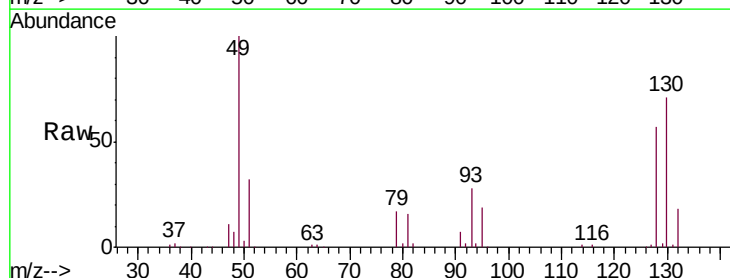
Ion Ratio Lower Upper

128 100

49 176.6 126.5 234.9

130 125.9 86.0 159.8

51 55.8 47.3 70.9

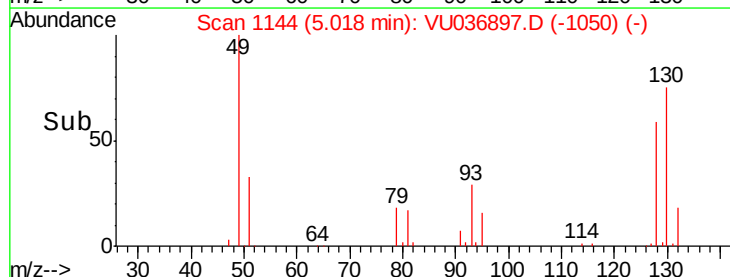
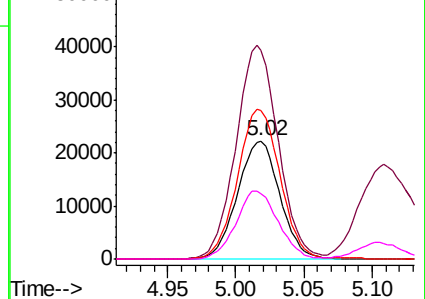


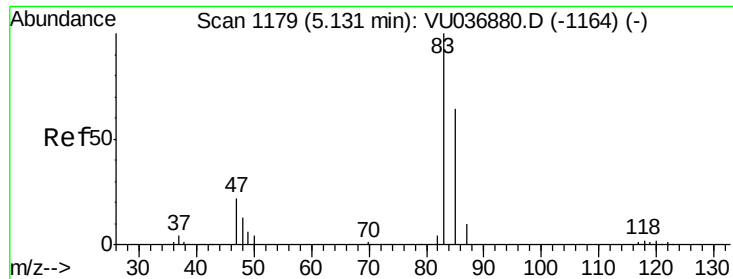
Abundance Ion 128.00 (127.70 to 128.70): VU036897.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU036897.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU036897.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU036897.D (-1050) (-)

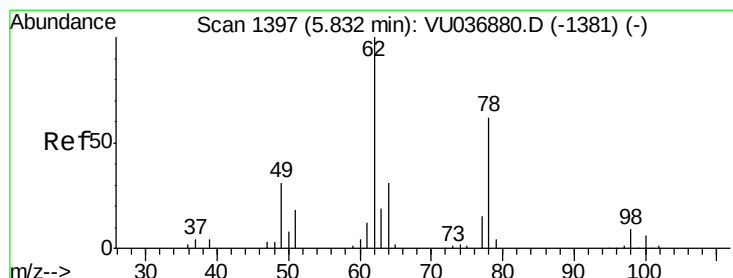
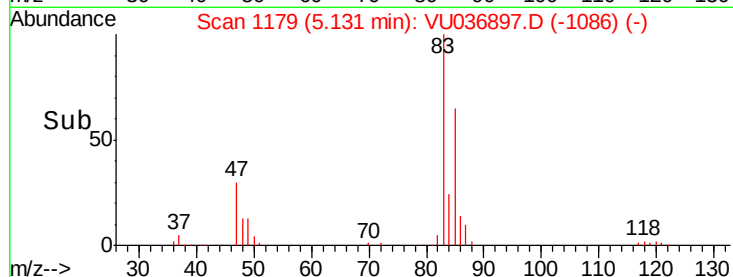
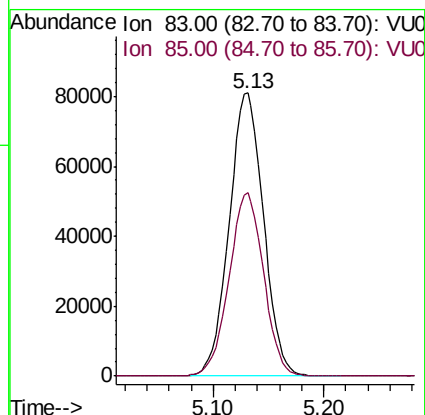
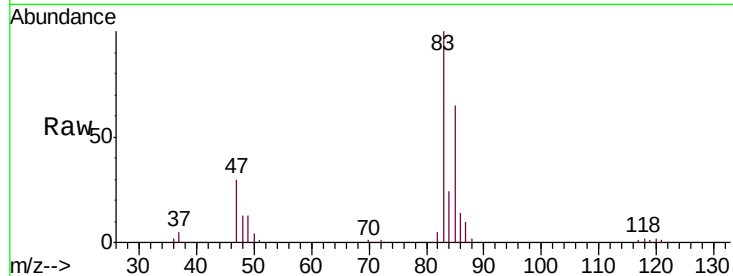




#25
Chloroform
Concen: 50.160 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

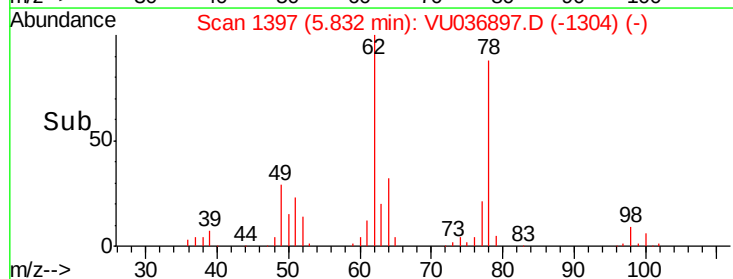
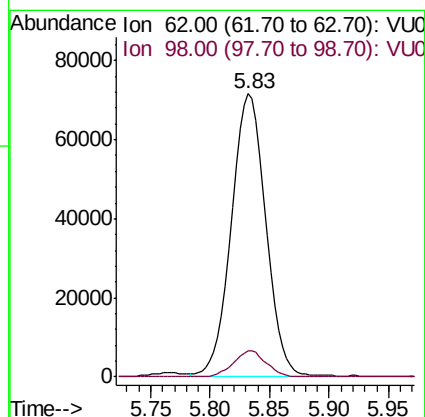
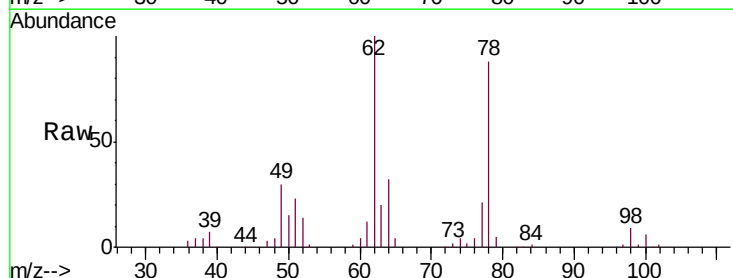
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

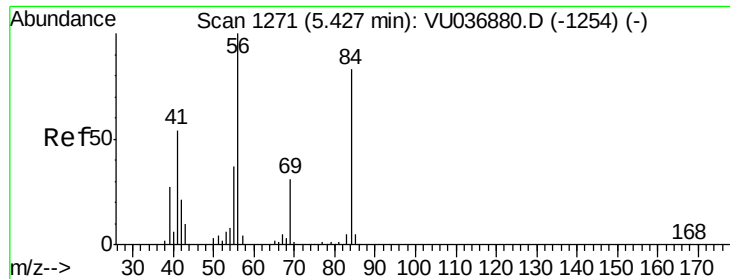
Tgt Ion: 83 Resp: 174826
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.668 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Tgt Ion: 62 Resp: 143771
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7

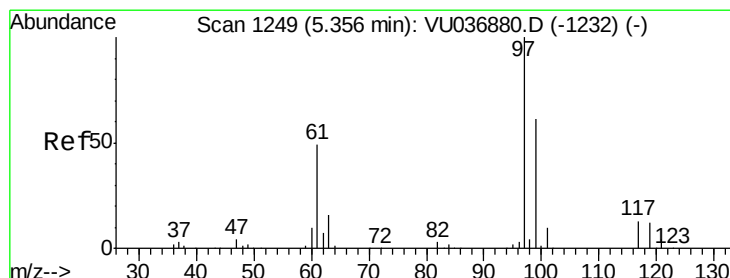
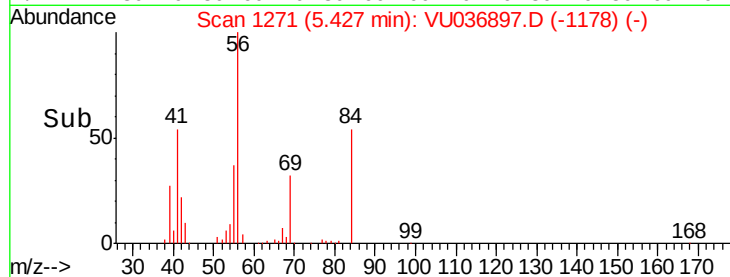
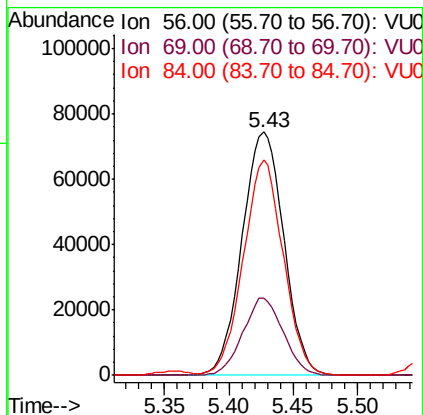
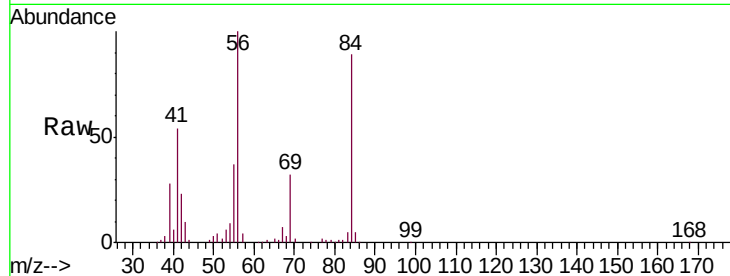




#29
Cyclohexane
Concen: 50.026 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

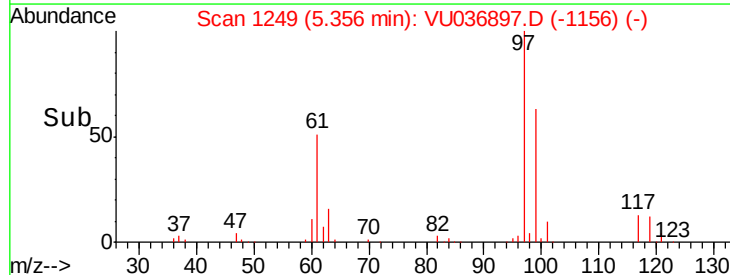
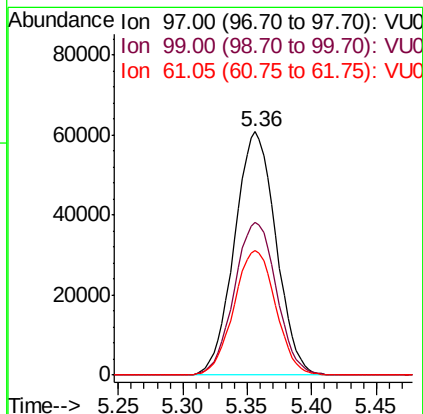
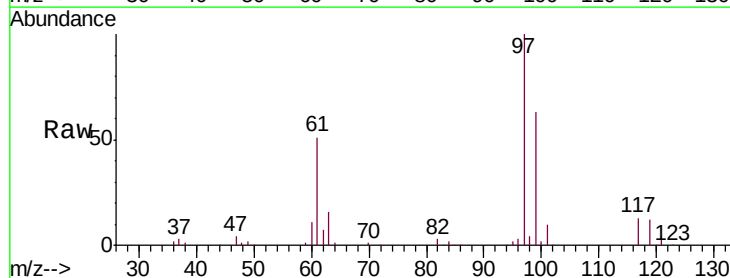
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

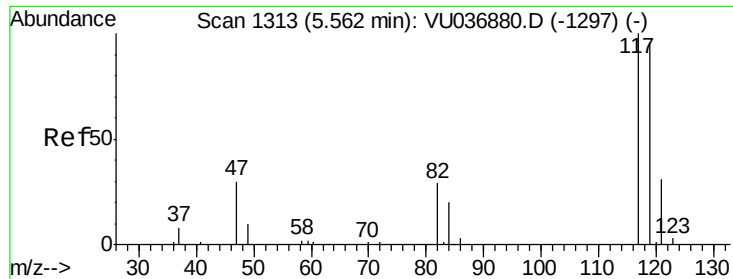
Tgt Ion: 56 Resp: 167933
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 85.0 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 50.224 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Tgt Ion: 97 Resp: 136217
Ion Ratio Lower Upper
97 100
99 63.9 50.4 75.6
61 51.6 40.3 60.5





#31

Carbon tetrachloride

Concen: 50.049 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

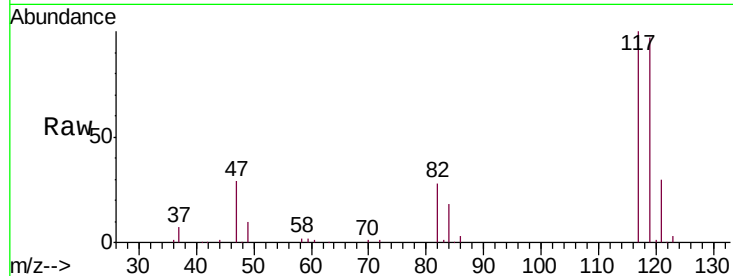
VSTD05056

Tgt Ion:117 Resp: 106397

Ion Ratio Lower Upper

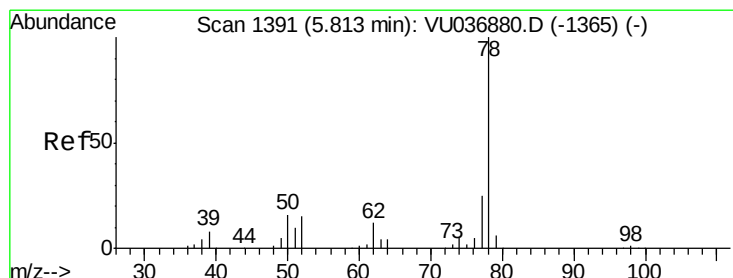
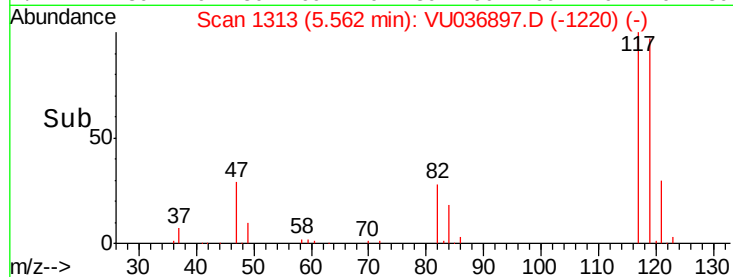
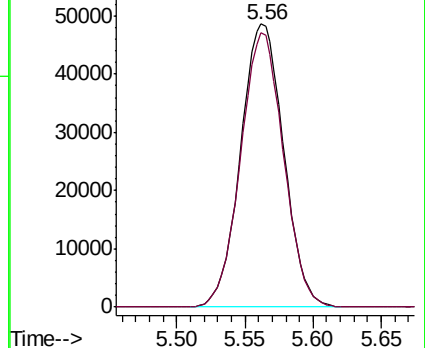
117 100

119 96.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.575 ug/L

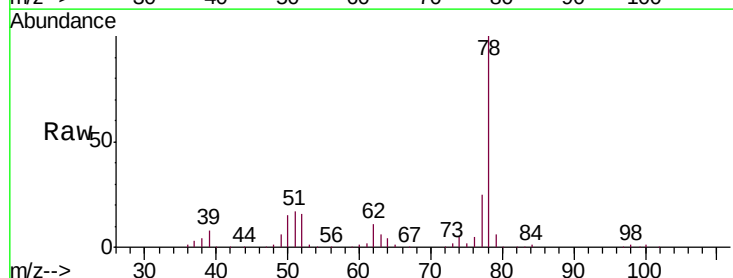
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

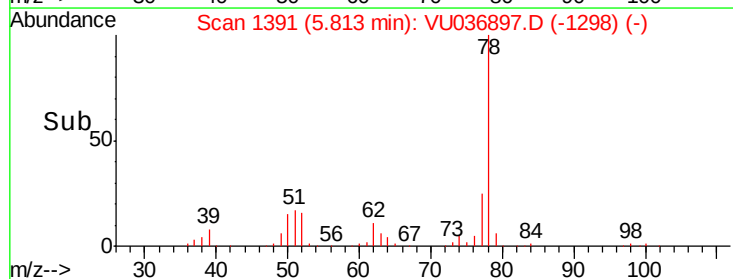
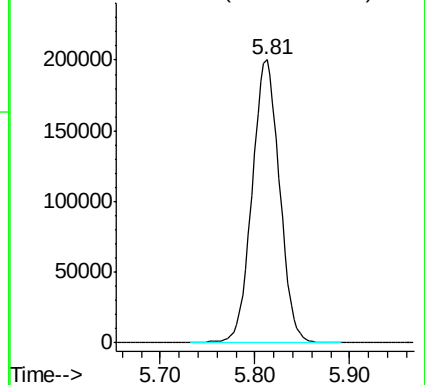
Lab File: VU036897.D

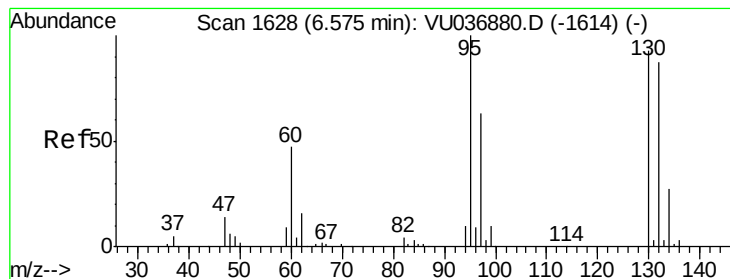
Acq: 25 Feb 2020 10:15

Tgt Ion: 78 Resp: 404177



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.395 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 98987

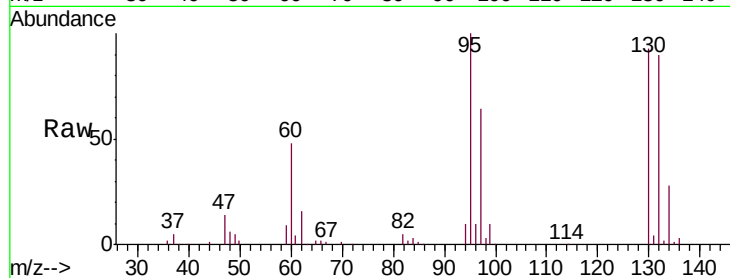
Ion Ratio Lower Upper

95 100

97 64.0 44.1 81.9

132 89.7 60.6 112.6

130 93.3 64.9 120.5



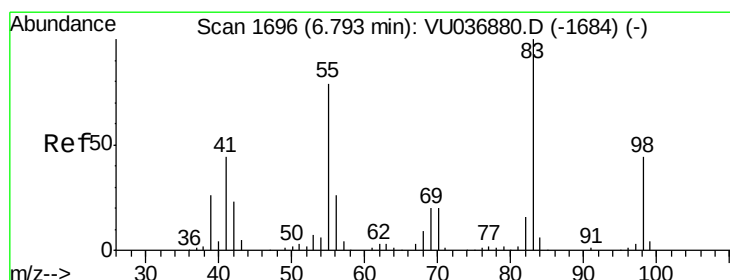
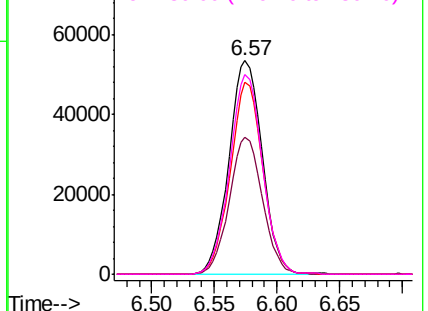
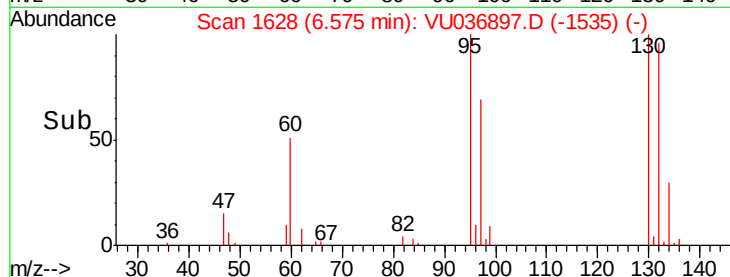
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.127 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

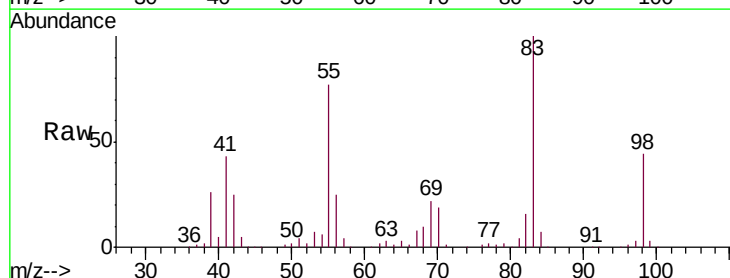
Tgt Ion: 83 Resp: 174119

Ion Ratio Lower Upper

83 100

55 77.3 62.6 93.8

98 43.9 35.1 52.7

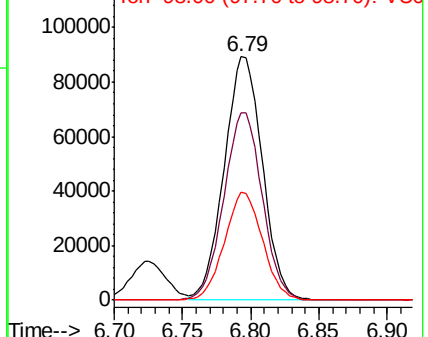
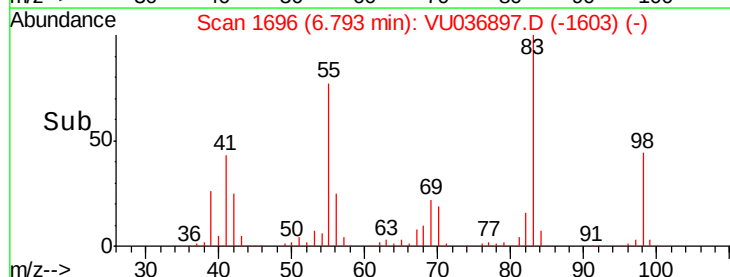


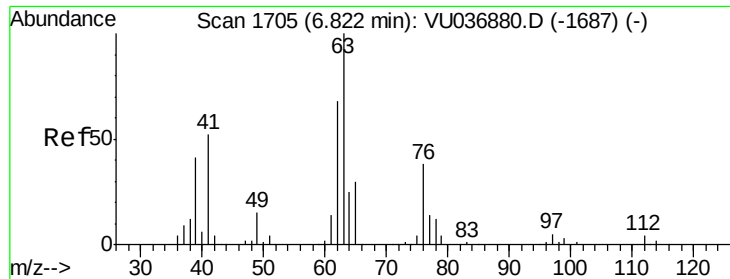
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

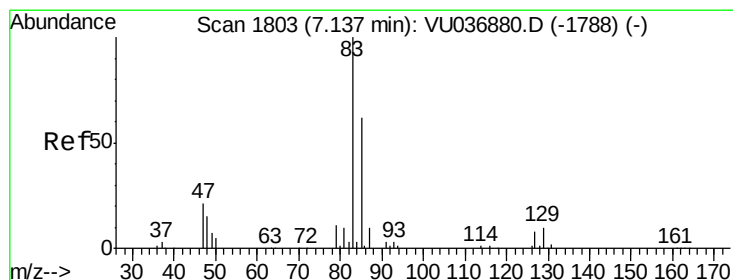
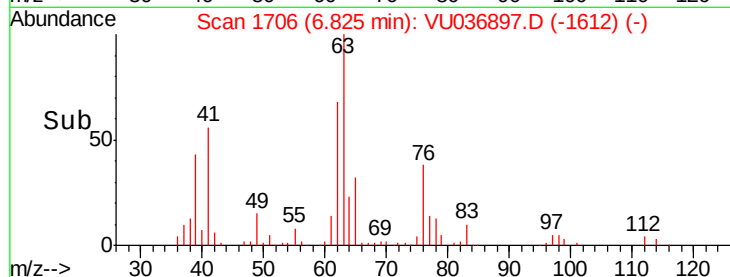
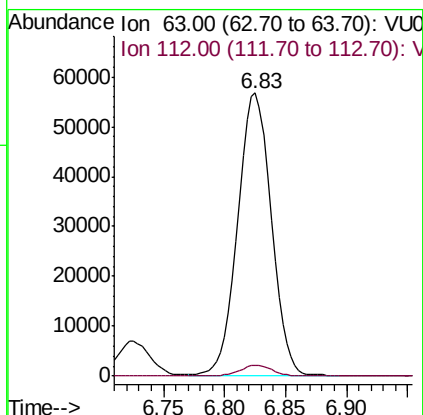
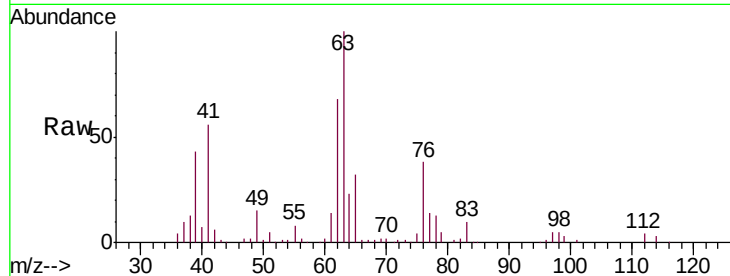




#37
 1,2-Dichloropropane
 Concen: 50.181 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

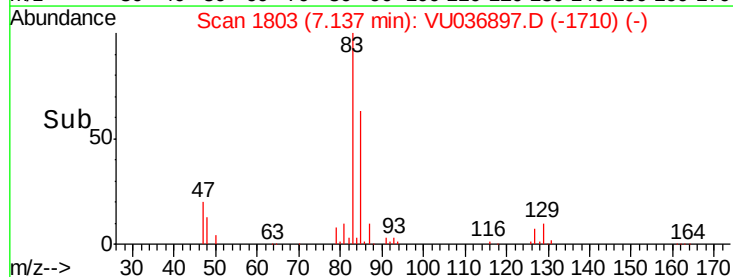
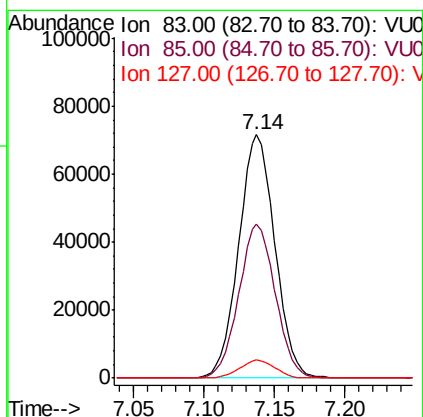
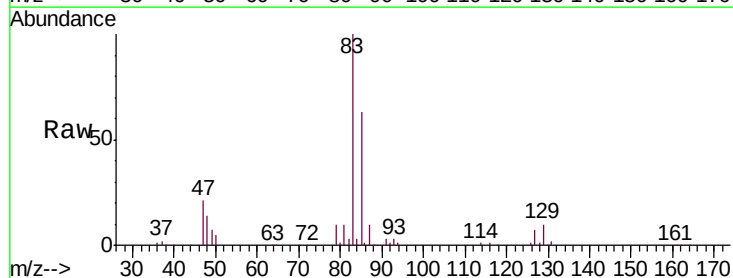
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

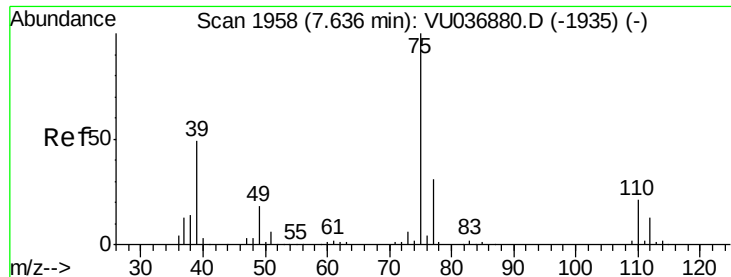
Tgt Ion: 63 Resp: 107978
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.752 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

Tgt Ion: 83 Resp: 128908
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.6 81.0
 127 7.3 6.0 9.0

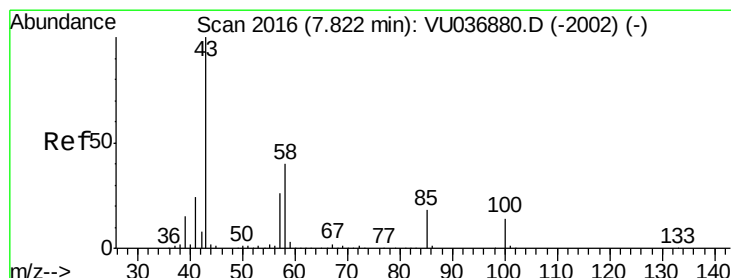
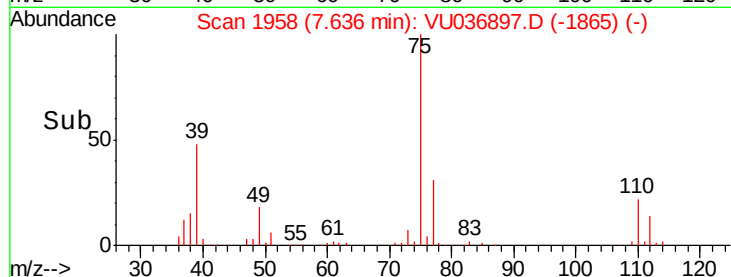
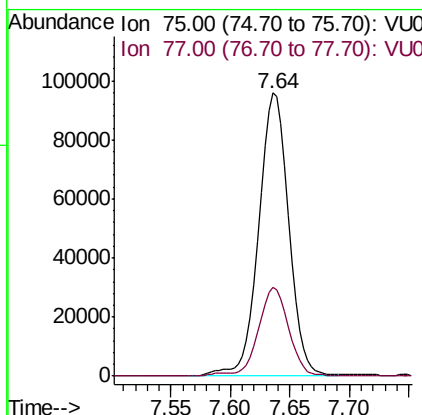
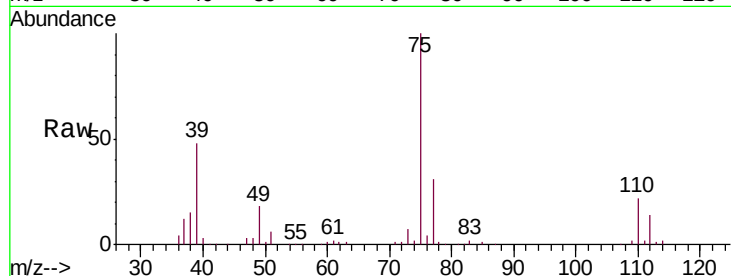




#39
 cis-1,3-Dichloropropene
 Concen: 50.658 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

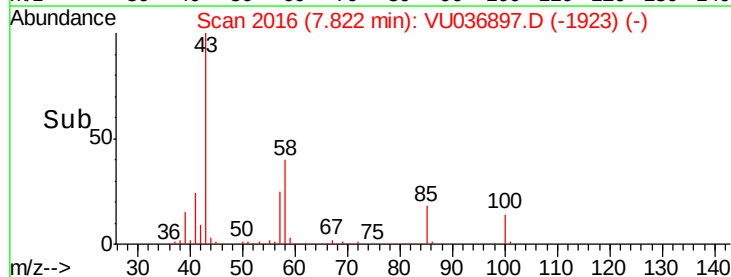
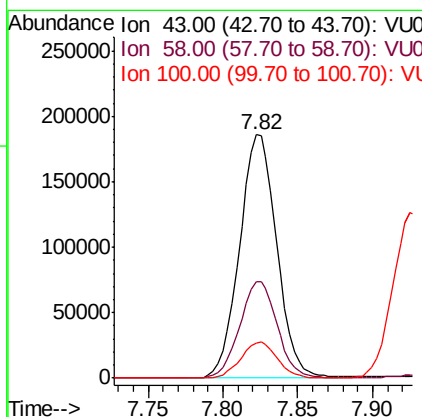
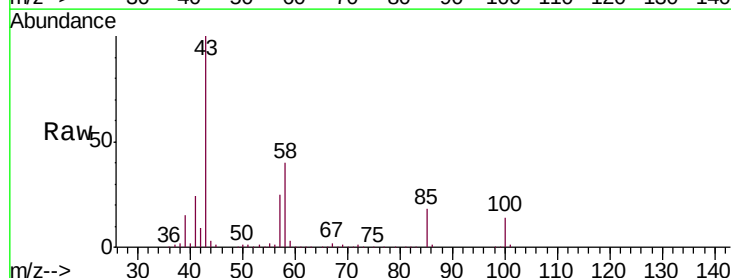
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05056

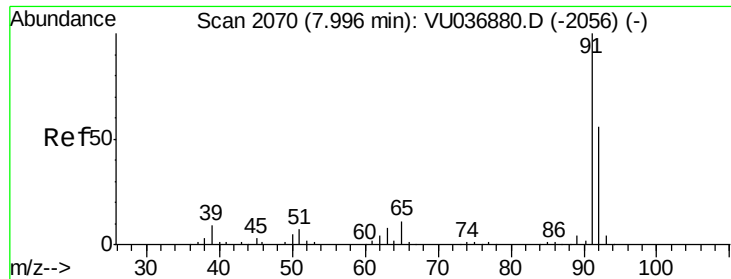
Tgt Ion: 75 Resp: 167912
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.659 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

Tgt Ion: 43 Resp: 322330
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6
 100 14.6 11.5 17.3





#42

Toluene

Concen: 50.717 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

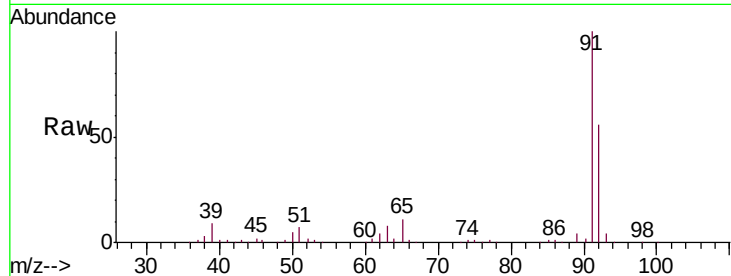
VSTD05056

Tgt Ion: 91 Resp: 431816

Ion Ratio Lower Upper

91 100

92 56.3 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036880.D (-2056) (-)

8.00

250000

200000

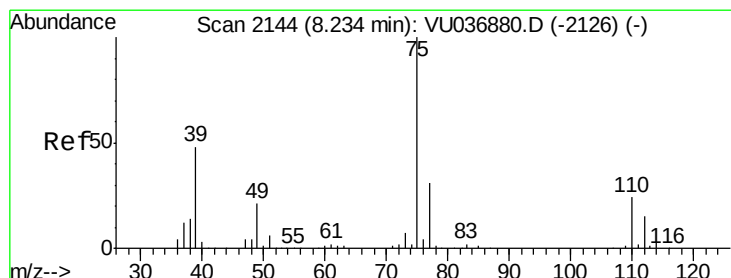
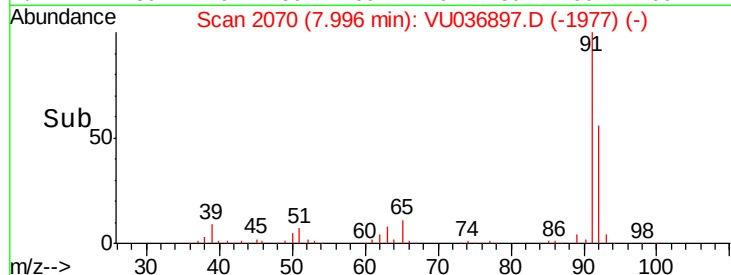
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 49.901 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU036897.D

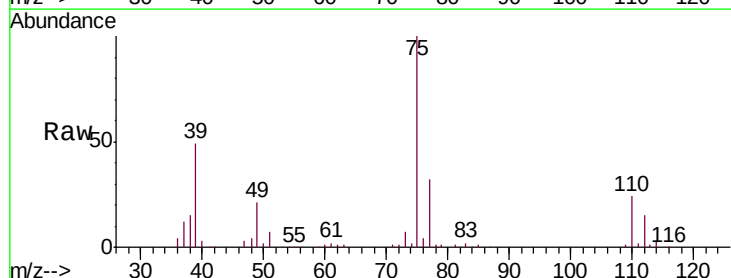
Acq: 25 Feb 2020 10:15

Tgt Ion: 75 Resp: 143483

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036880.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036880.D (-2126) (-)

8.24

100000

80000

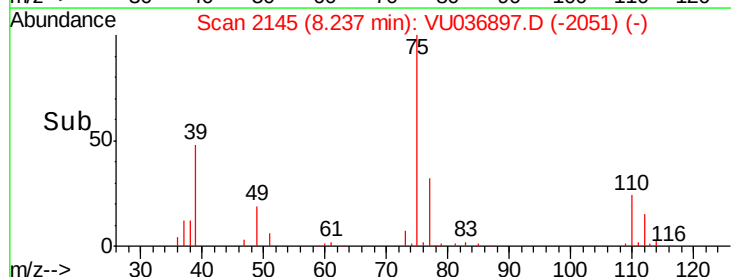
60000

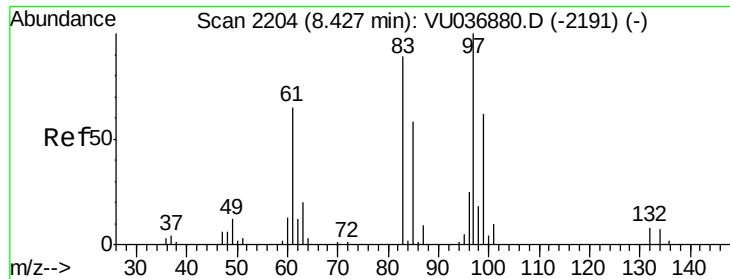
40000

20000

0

Time--> 8.15 8.20 8.25 8.30

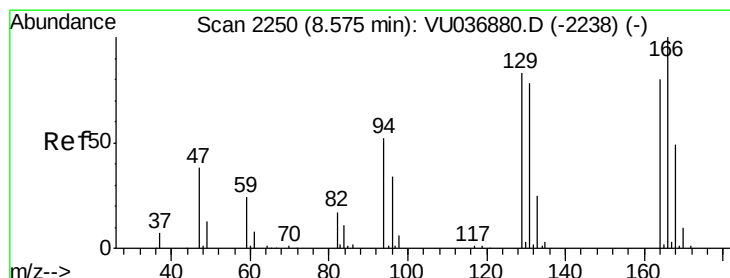
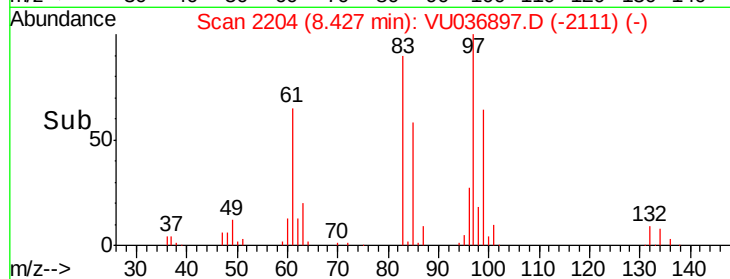
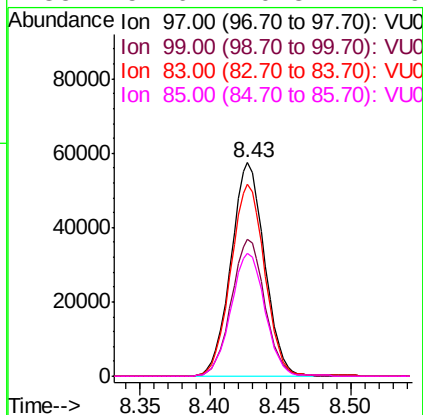
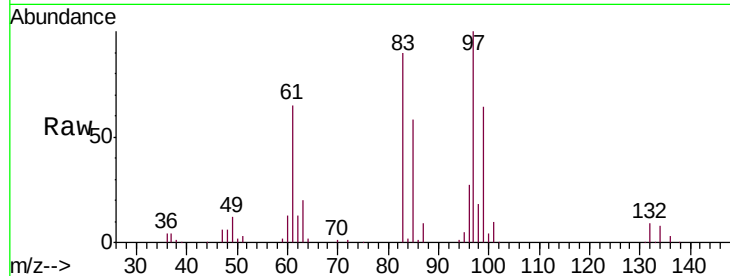




#45
 1,1,2-Trichloroethane
 Concen: 50.214 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

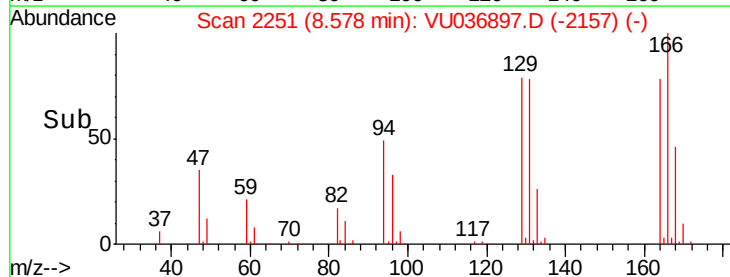
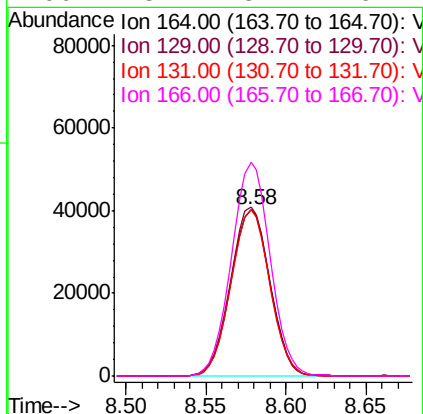
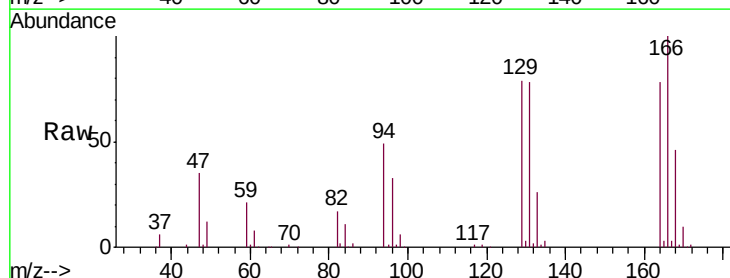
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

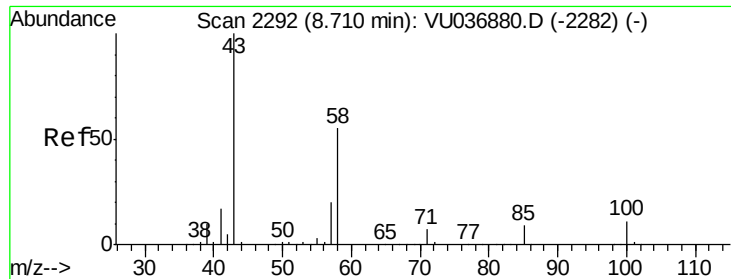
Tgt Ion:	97	Resp:	96084
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.6	81.0
83	89.7	62.7	116.5
85	57.6	40.3	74.9



#46
 Tetrachloroethene
 Concen: 52.140 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

Tgt Ion:	164	Resp:	67467
Ion	Ratio	Lower	Upper
164	100		
129	102.2	72.0	133.8
131	100.0	67.9	126.1
166	128.7	87.1	161.7

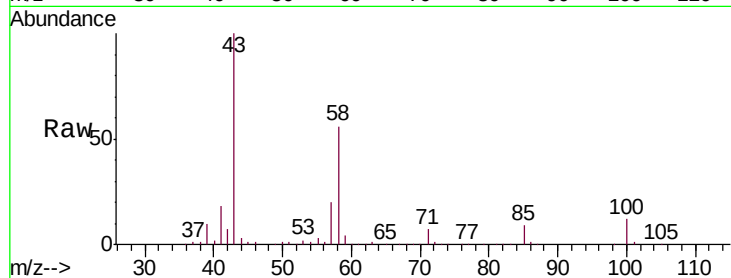




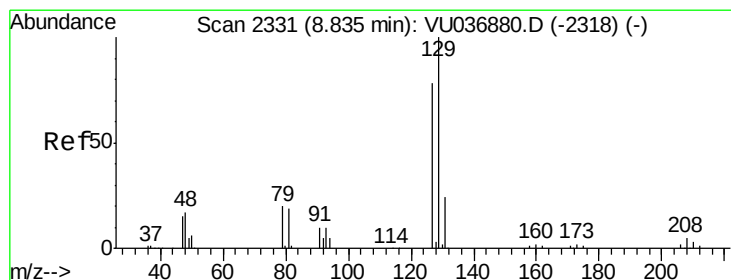
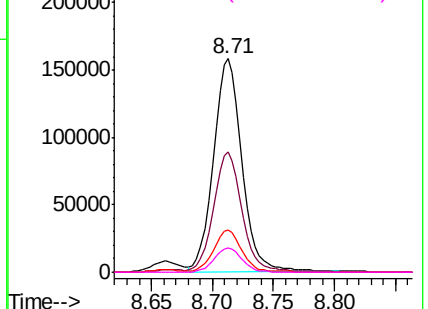
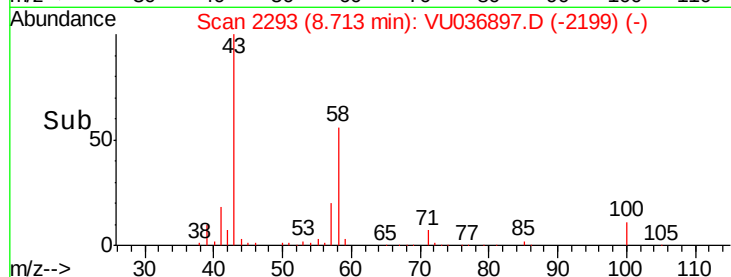
#48
2-Hexanone
Concen: 101.964 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion: 43 Resp: 257989
Ion Ratio Lower Upper
43 100
58 57.2 43.5 65.3
57 19.7 15.1 22.7
100 11.5 8.7 13.1

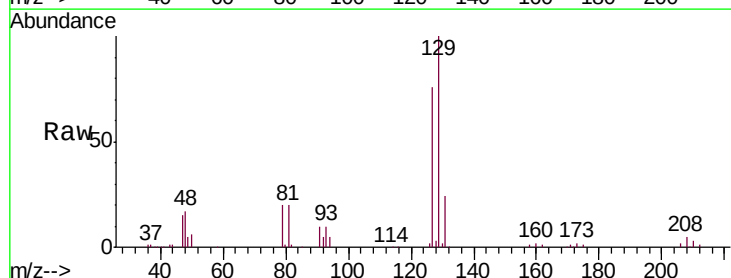


Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VU036897.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VU036897.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VU036897.D (-2199) (-)

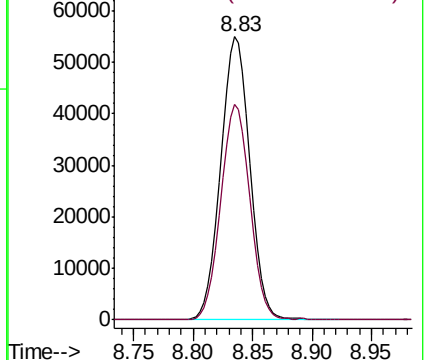
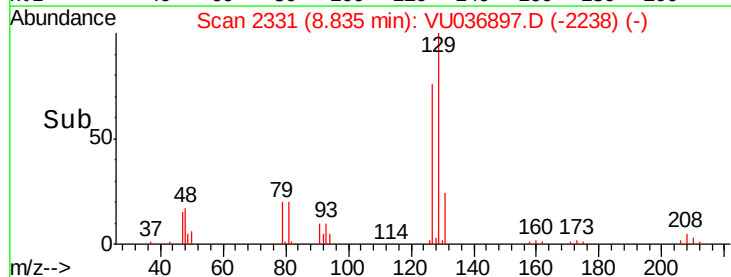


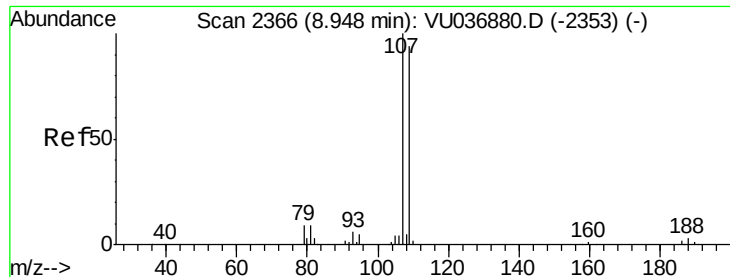
#49
Dibromochloromethane
Concen: 51.474 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Tgt Ion: 129 Resp: 93488
Ion Ratio Lower Upper
129 100
127 76.1 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036897.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU036897.D (-2238) (-)

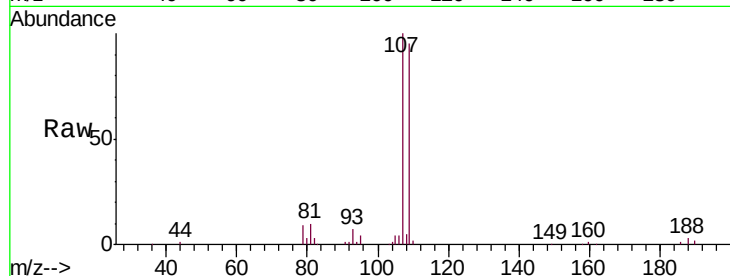




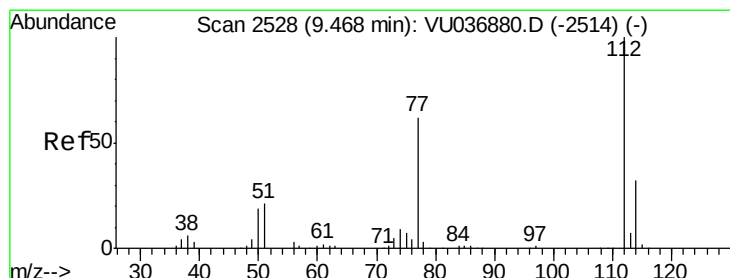
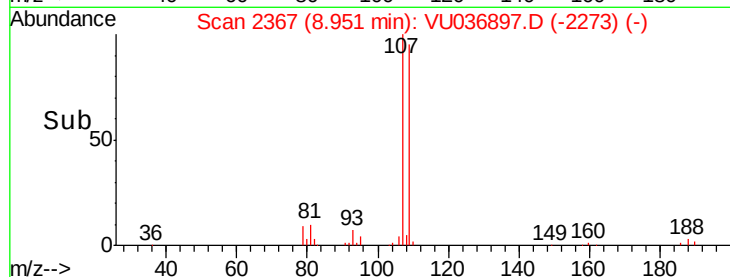
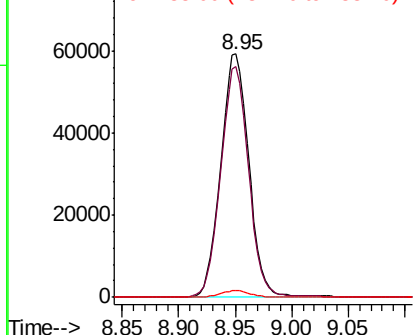
#50
1,2-Dibromoethane
Concen: 51.367 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion:107 Resp: 102784
Ion Ratio Lower Upper
107 100
109 94.7 65.9 122.5
188 2.8 2.2 3.2

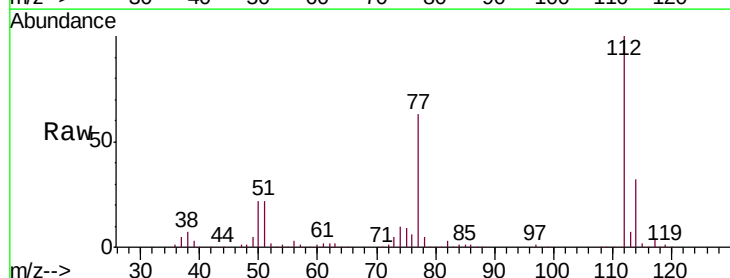


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

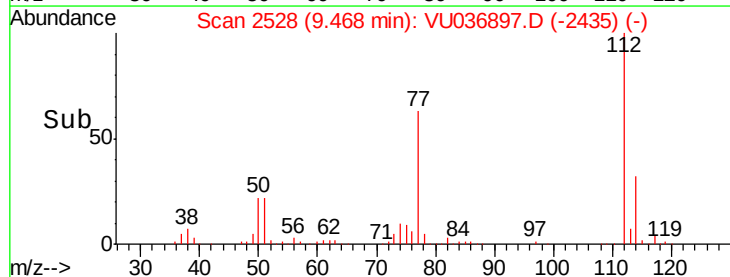
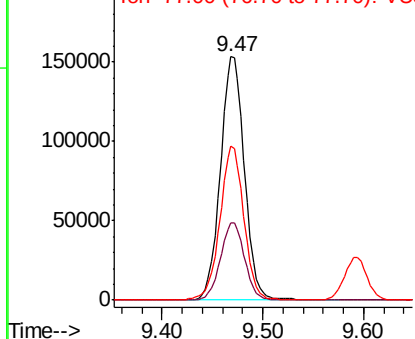


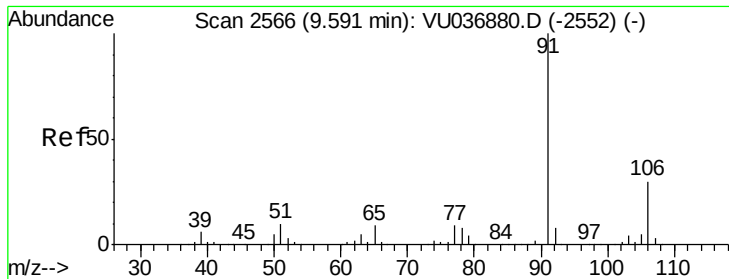
#51
Chlorobenzene
Concen: 50.481 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036897.D
Acq: 25 Feb 2020 10:15

Tgt Ion:112 Resp: 254667
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 63.2 50.1 75.1



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): V





#52

Ethylbenzene

Concen: 50.291 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

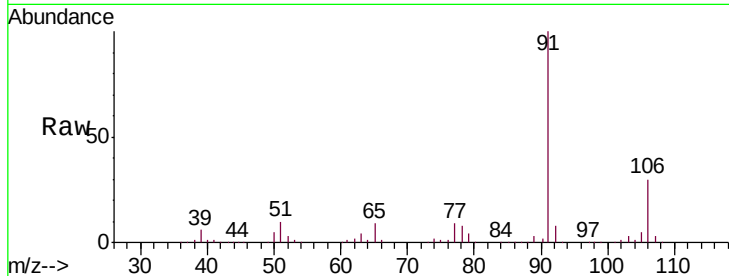
VSTD05056

Tgt Ion: 91 Resp: 464180

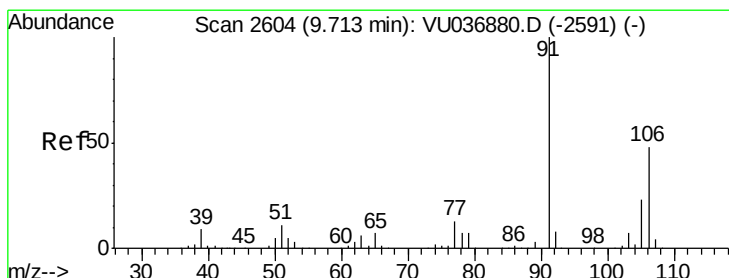
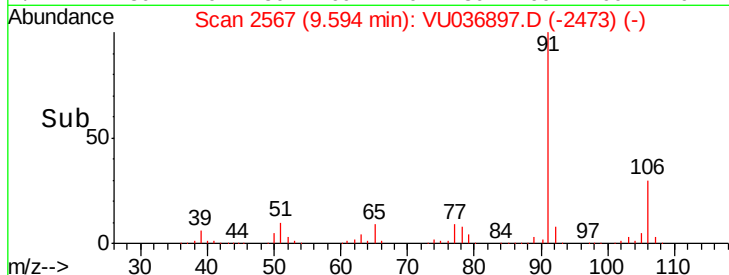
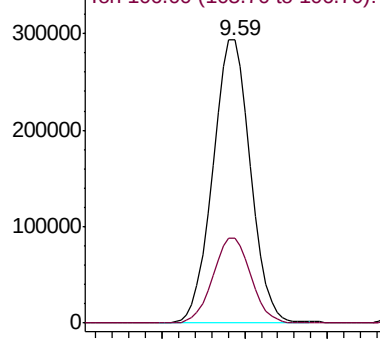
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2552) (-)



#53

m,p-Xylene

Concen: 51.710 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU036897.D

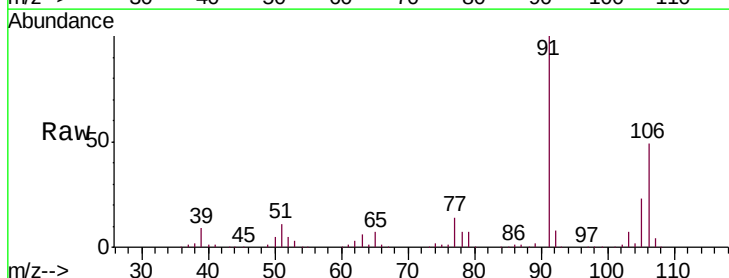
Acq: 25 Feb 2020 10:15

Tgt Ion: 106 Resp: 175074

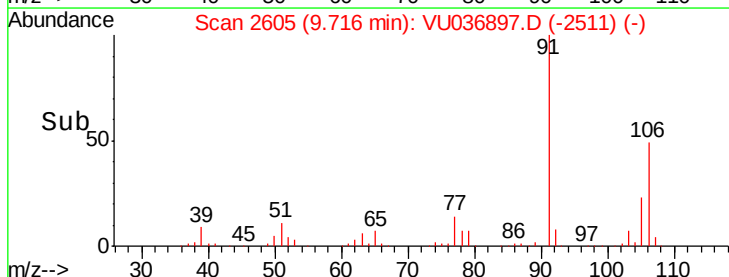
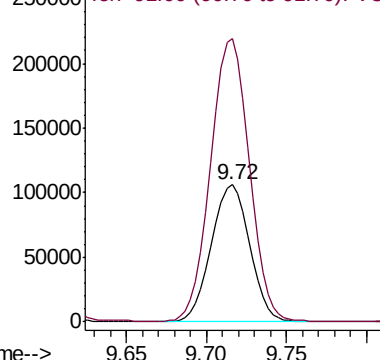
Ion Ratio Lower Upper

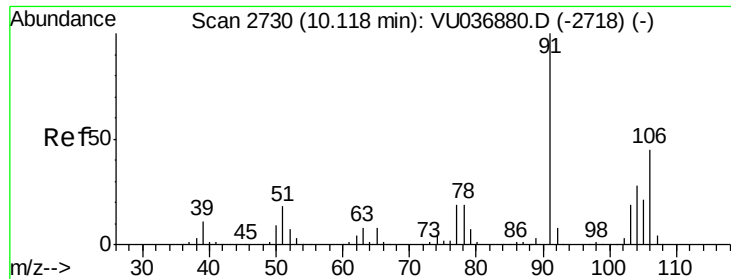
106 100

91 206.1 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036897.D (-2511) (-)





#54

o-xylene

Concen: 50.564 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

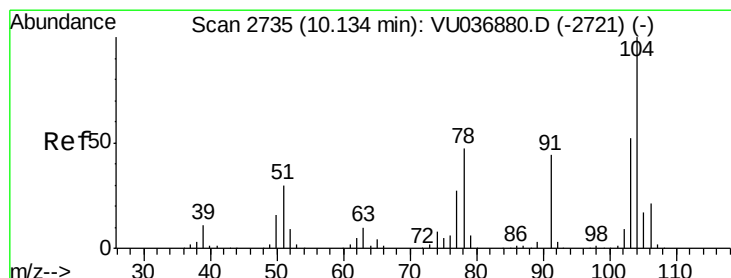
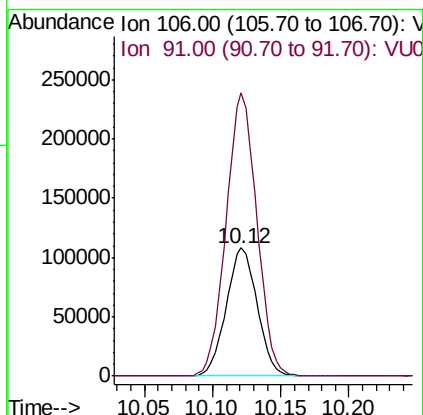
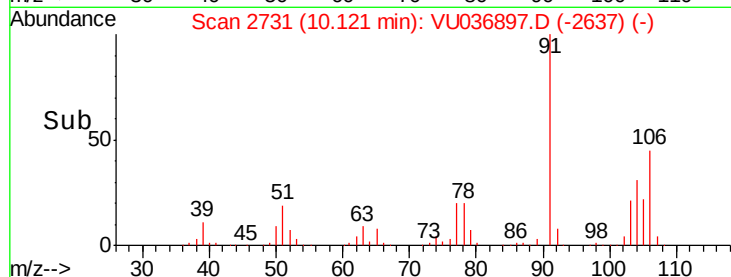
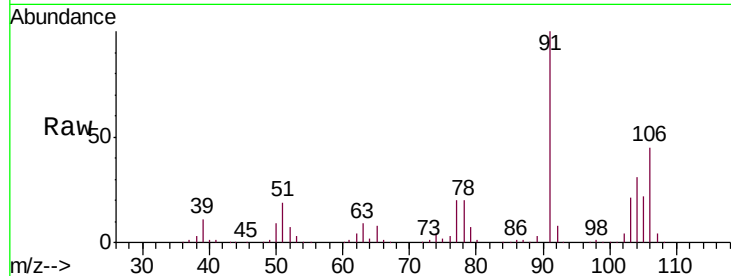
VSTD05056

Tgt Ion:106 Resp: 170742

Ion Ratio Lower Upper

106 100

91 221.2 154.2 286.4



#55

Styrene

Concen: 51.662 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU036897.D

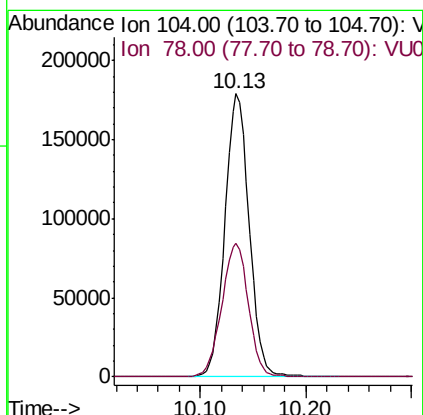
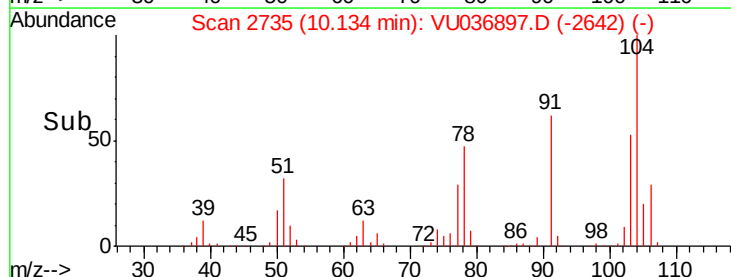
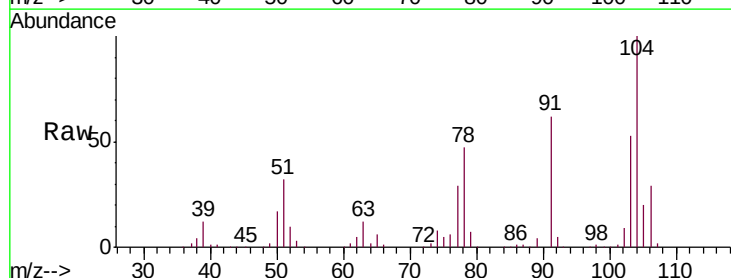
Acq: 25 Feb 2020 10:15

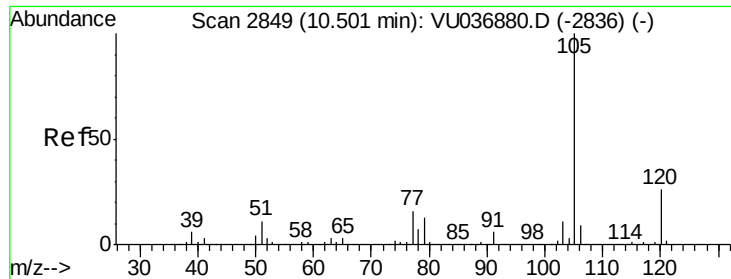
Tgt Ion:104 Resp: 285175

Ion Ratio Lower Upper

104 100

78 47.4 33.0 61.4





#56

Isopropylbenzene

Concen: 50.877 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

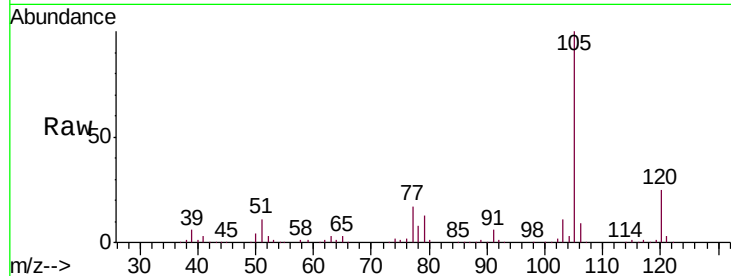
Tgt Ion: 105 Resp: 441260

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

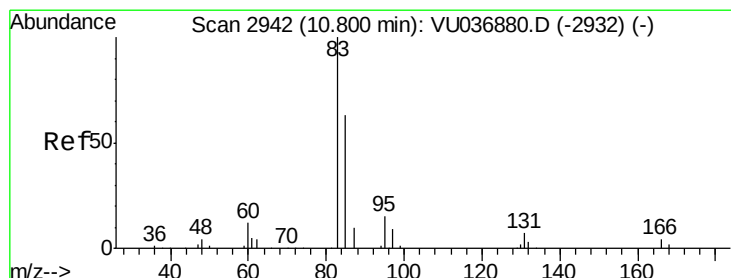
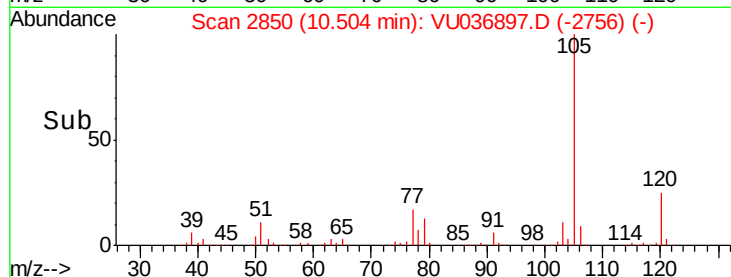
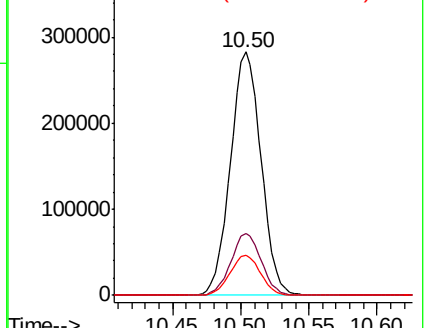
77 16.5 13.1 19.7



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: 50.954 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

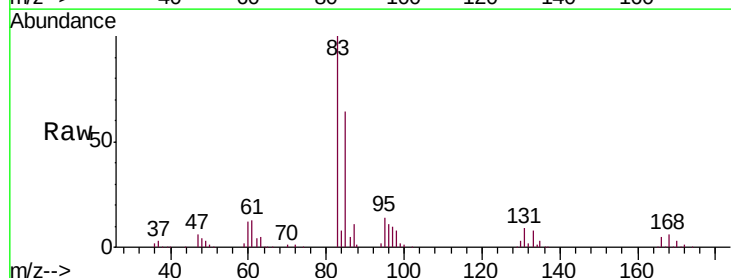
Tgt Ion: 83 Resp: 174308

Ion Ratio Lower Upper

83 100

85 64.5 45.5 84.5

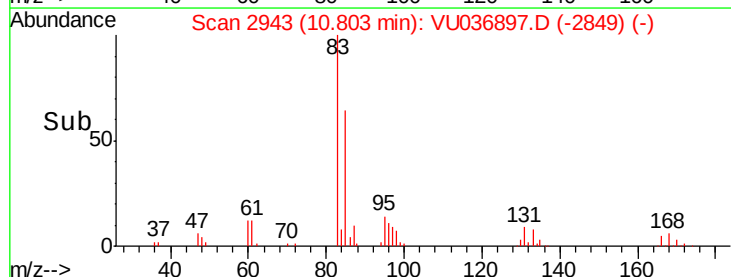
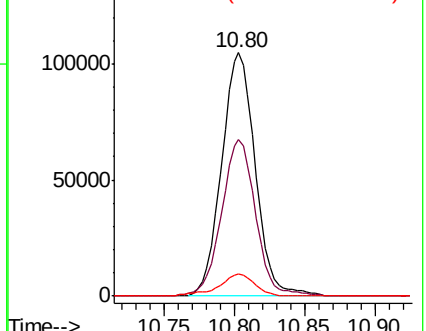
131 9.1 6.8 10.2

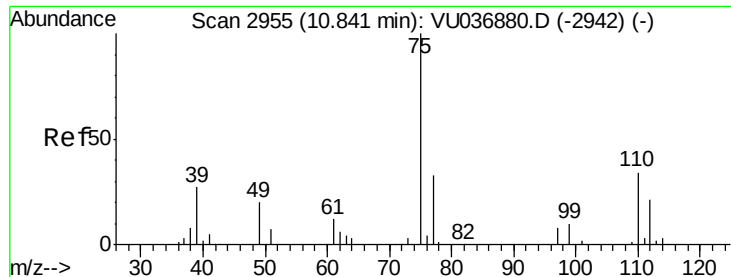


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

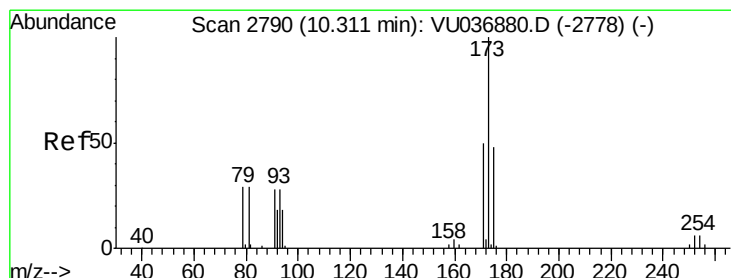
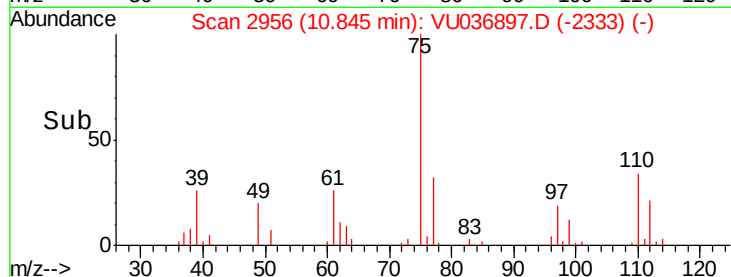
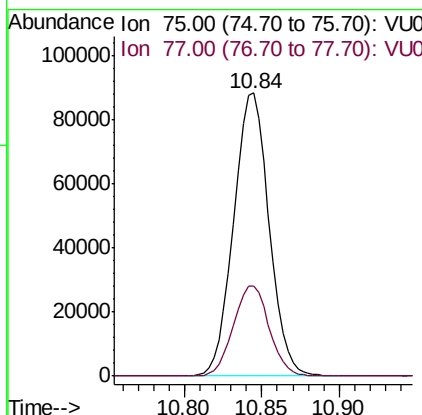
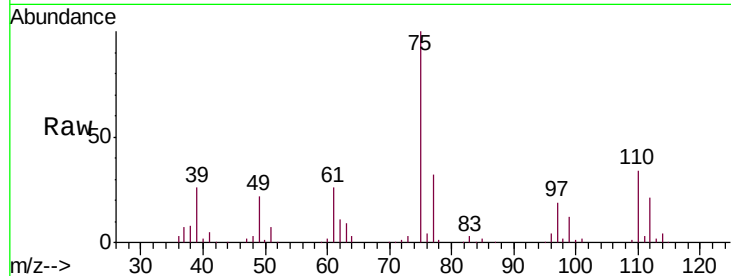




#59
 1,2,3-Trichloropropane
 Concen: 50.823 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

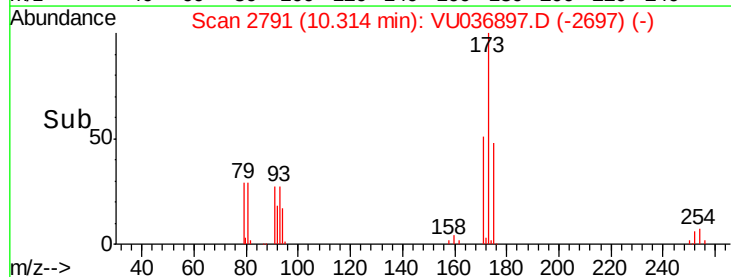
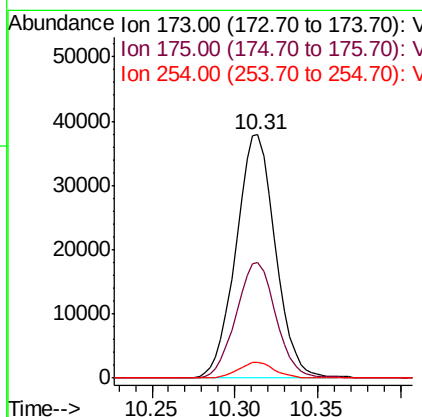
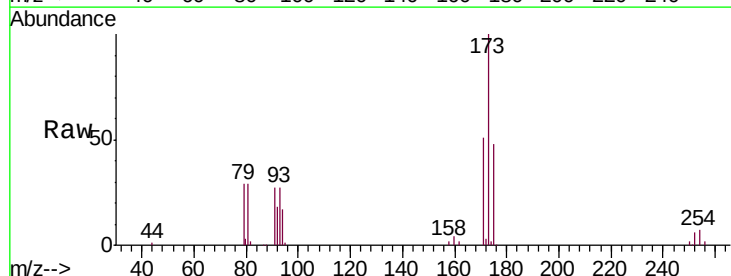
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

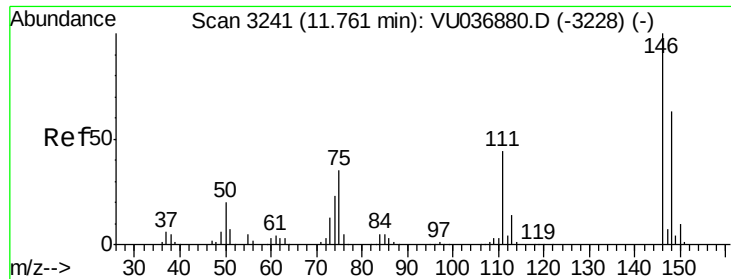
Tgt Ion: 75 Resp: 140684
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#61
 Bromoform
 Concen: 49.373 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

Tgt Ion: 173 Resp: 62642
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.0 58.6
 254 6.0 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 50.129 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

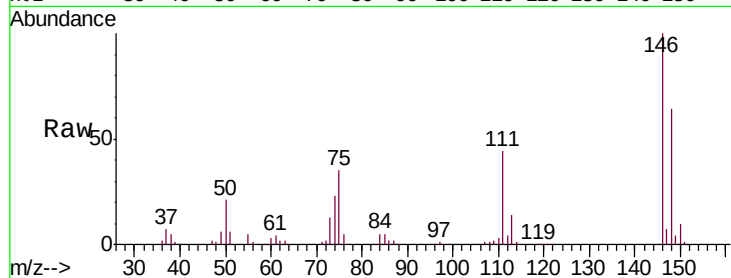
Tgt Ion:146 Resp: 182489

Ion Ratio Lower Upper

146 100

111 43.9 30.7 56.9

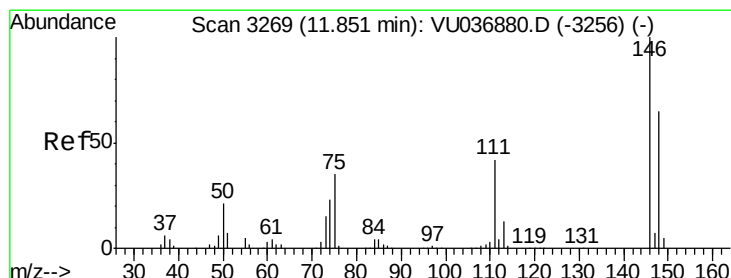
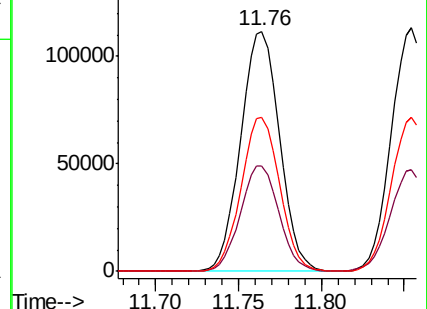
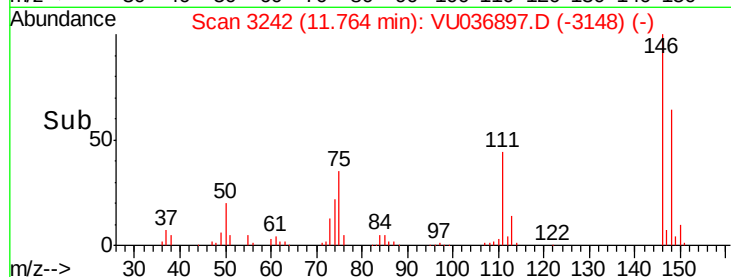
148 64.3 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.001 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

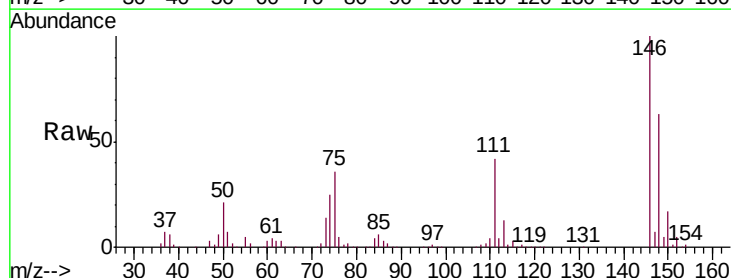
Tgt Ion:146 Resp: 179837

Ion Ratio Lower Upper

146 100

111 41.6 29.8 55.4

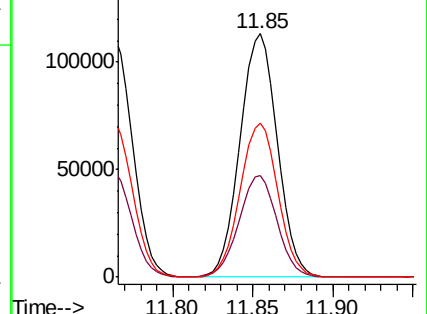
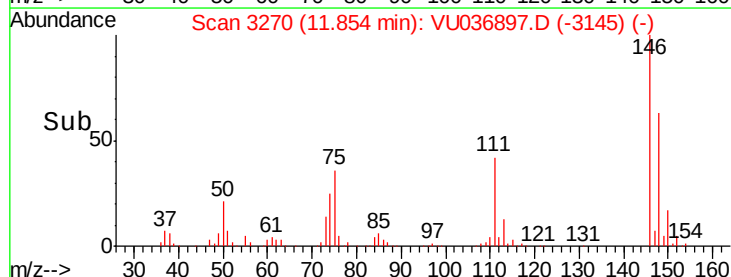
148 63.3 45.1 83.9

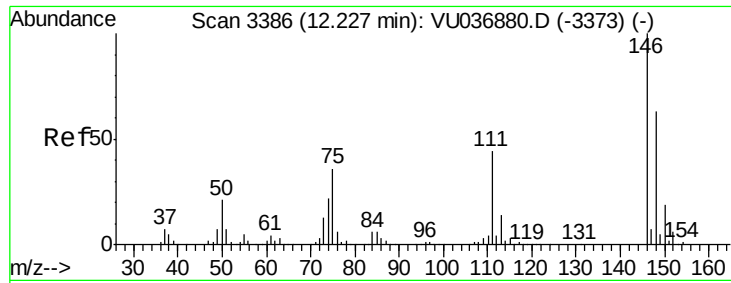


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

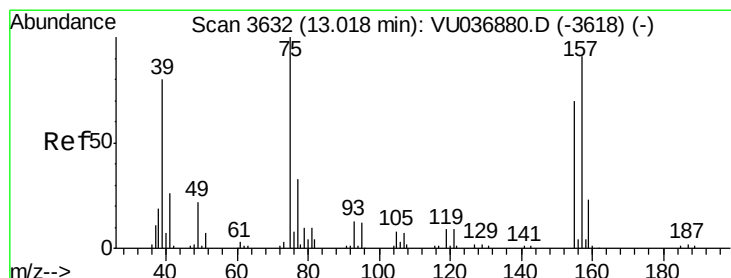
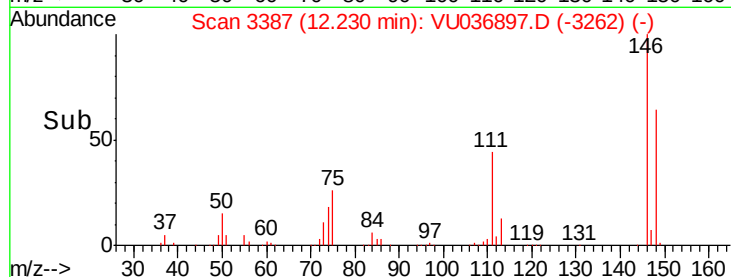
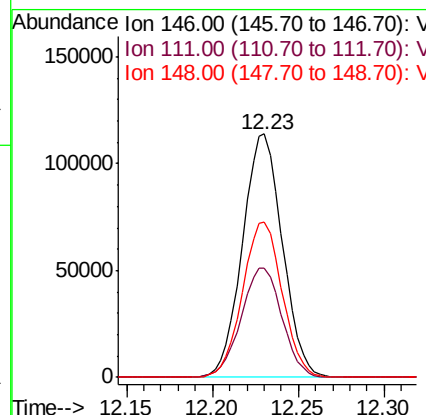
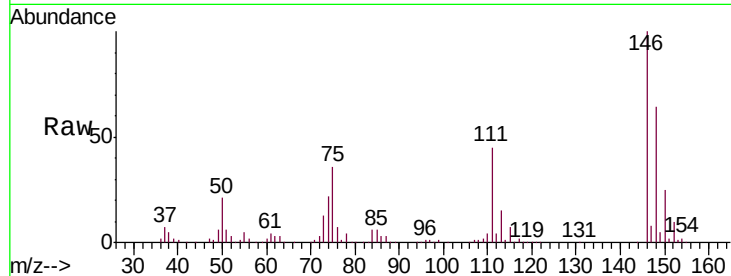




#65
 1,2-Dichlorobenzene
 Concen: 50.455 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

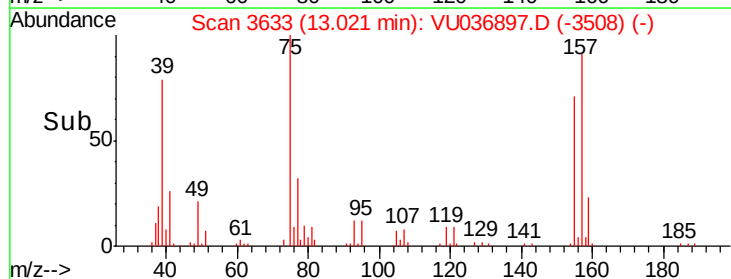
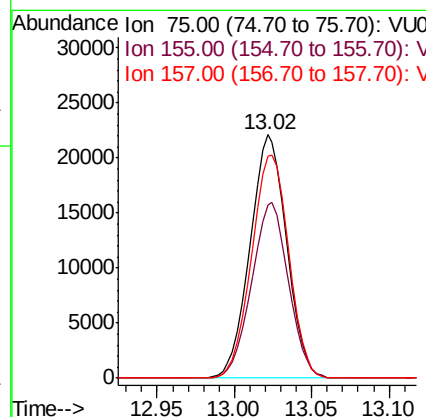
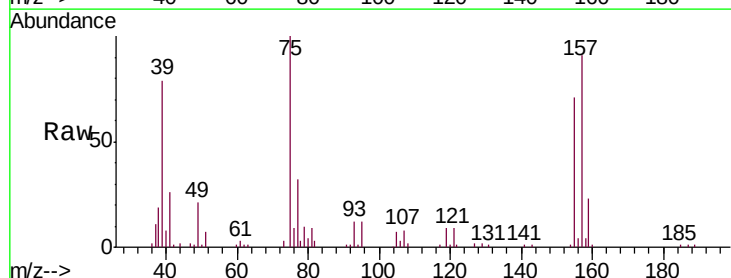
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05056

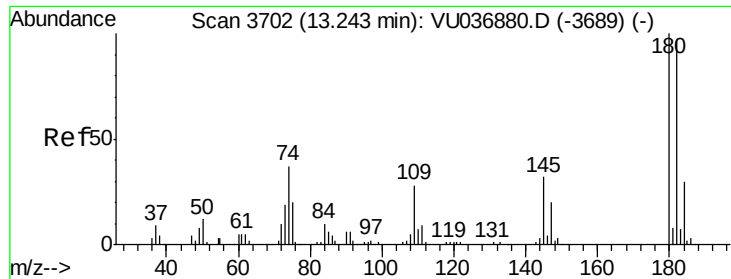
Tgt Ion: 146 Resp: 183397
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.4 53.0
 148 63.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.512 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036897.D
 Acq: 25 Feb 2020 10:15

Tgt Ion: 75 Resp: 36425
 Ion Ratio Lower Upper
 75 100
 155 71.1 55.7 83.5
 157 90.9 73.0 109.6





#67

1,3,5-Trichlorobenzene

Concen: 52.168 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion:180 Resp: 120545

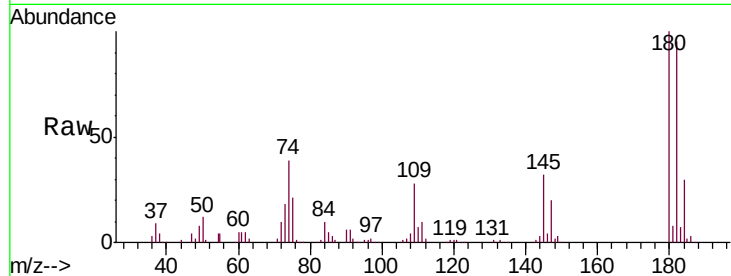
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 30.4 24.2 36.2

145 31.6 25.3 37.9



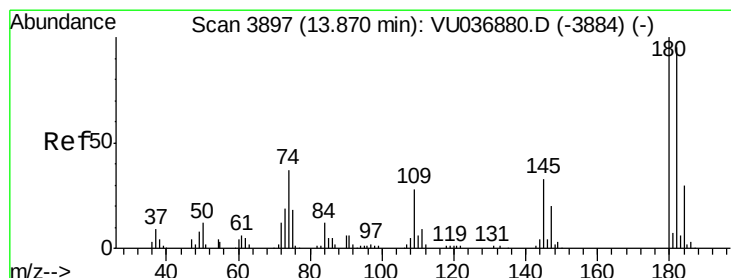
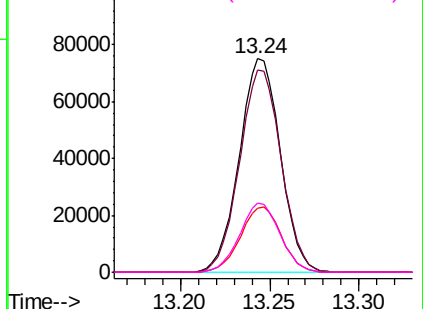
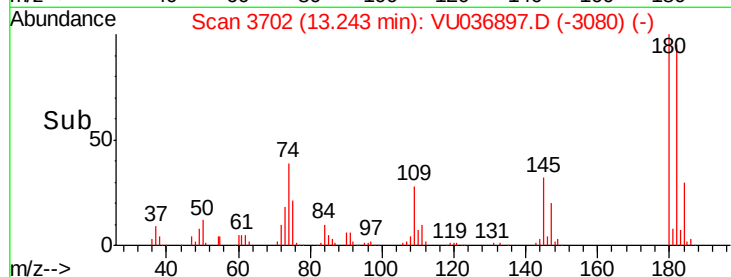
Abundance

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: 53.663 ug/L

RT: 13.87 min Scan# 3898

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

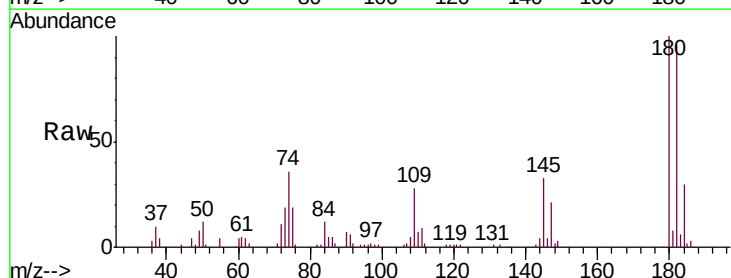
Tgt Ion:180 Resp: 92902

Ion Ratio Lower Upper

180 100

182 95.6 75.3 112.9

145 32.3 26.2 39.4

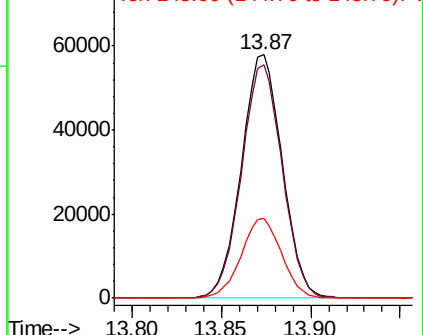
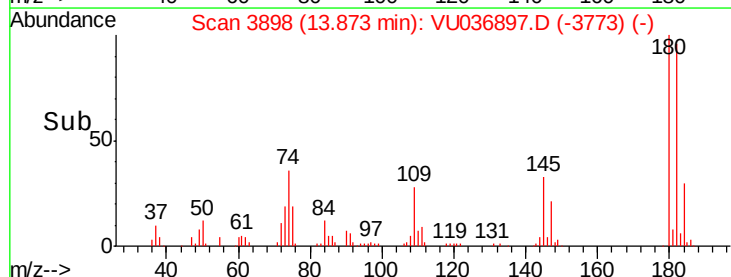


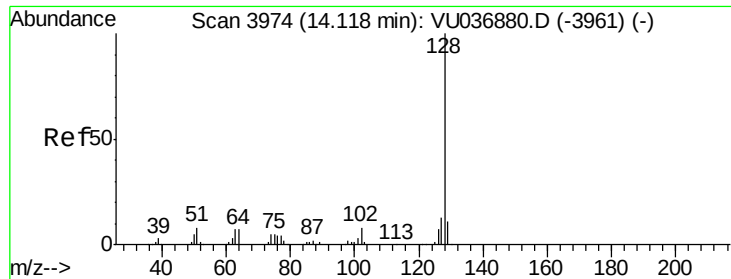
Abundance

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: 49.513 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

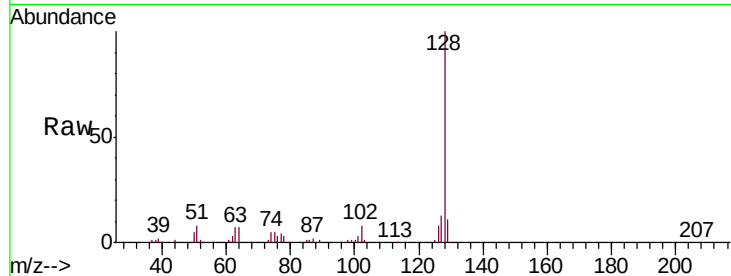
Tgt Ion:128 Resp: 151315

Ion Ratio Lower Upper

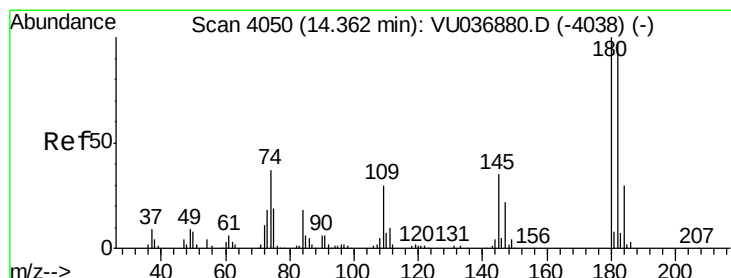
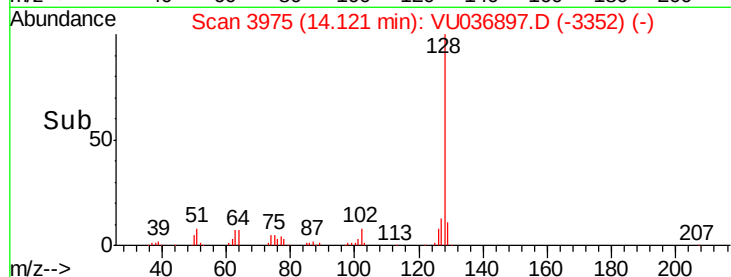
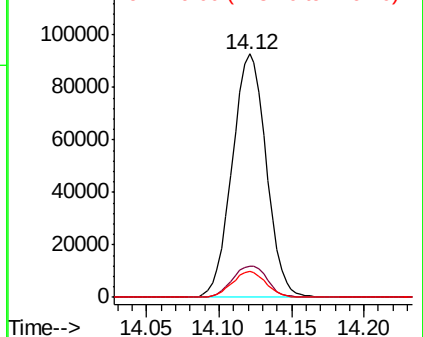
128 100

127 13.3 11.0 16.4

129 10.6 8.6 12.8



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: 54.269 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU036897.D

Acq: 25 Feb 2020 10:15

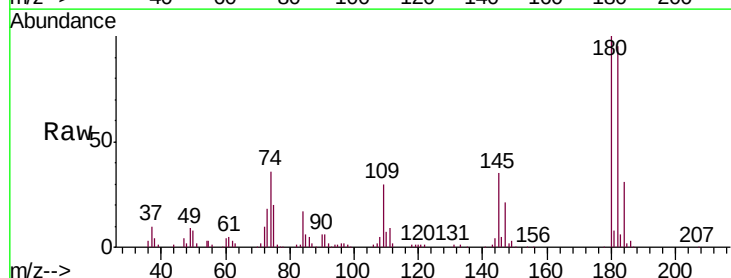
Tgt Ion:180 Resp: 93887

Ion Ratio Lower Upper

180 100

182 94.0 77.0 115.6

145 34.1 28.1 42.1



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

