

Data File : VU036906.D
Acq On : 25 Feb 2020 15:00
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Feb 26 01:31:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 01:28:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	239706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	107574	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106330	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.82%
7) Chloroethane-d5	1.93	69	91527	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.86%
11) 1,1-Dichloroethene-d2	2.59	63	181103	50.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.54%
21) 2-Butanone-d5	4.67	46	155693	108.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.96%
24) Chloroform-d	5.11	84	175698	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.02%
26) 1,2-Dichloroethane-d4	5.74	65	116484	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.76	84	372200	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
36) 1,2-Dichloropropane-d6	6.73	67	120360	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.18%
41) Toluene-d8	7.92	98	344051	53.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.20	79	55436	53.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.24%
47) 2-Hexanone-d5	8.66	63	118941	108.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	171668	54.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.44%
64) 1,2-Dichlorobenzene-d4	12.21	152	113403	53.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	117176	54.458	ug/L 99
3) Chloromethane	1.54	50	133537	53.945	ug/L 100
5) Vinyl chloride	1.62	62	136648	53.517	ug/L 99
6) Bromomethane	1.87	94	75990	58.005	ug/L 99
8) Chloroethane	1.95	64	81868	53.488	ug/L 98
9) Trichlorofluoromethane	2.16	101	147491	54.464	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90071	55.601	ug/L 99
12) 1,1-Dichloroethene	2.60	96	86515	52.802	ug/L 96
13) Acetone	2.66	43	149716	101.861	ug/L 98
14) Carbon disulfide	2.82	76	270289	52.139	ug/L 100
15) Methyl Acetate	2.98	43	116578	52.036	ug/L 98
16) Methylene chloride	3.08	84	106382	53.232	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	93518	53.132	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	301746	52.739	ug/L 99
19) 1,1-Dichloroethane	3.91	63	181589	53.095	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	104712	53.205	ug/L 100
22) 2-Butanone	4.75	43	187309	105.681	ug/L 100

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ClientSampleId :
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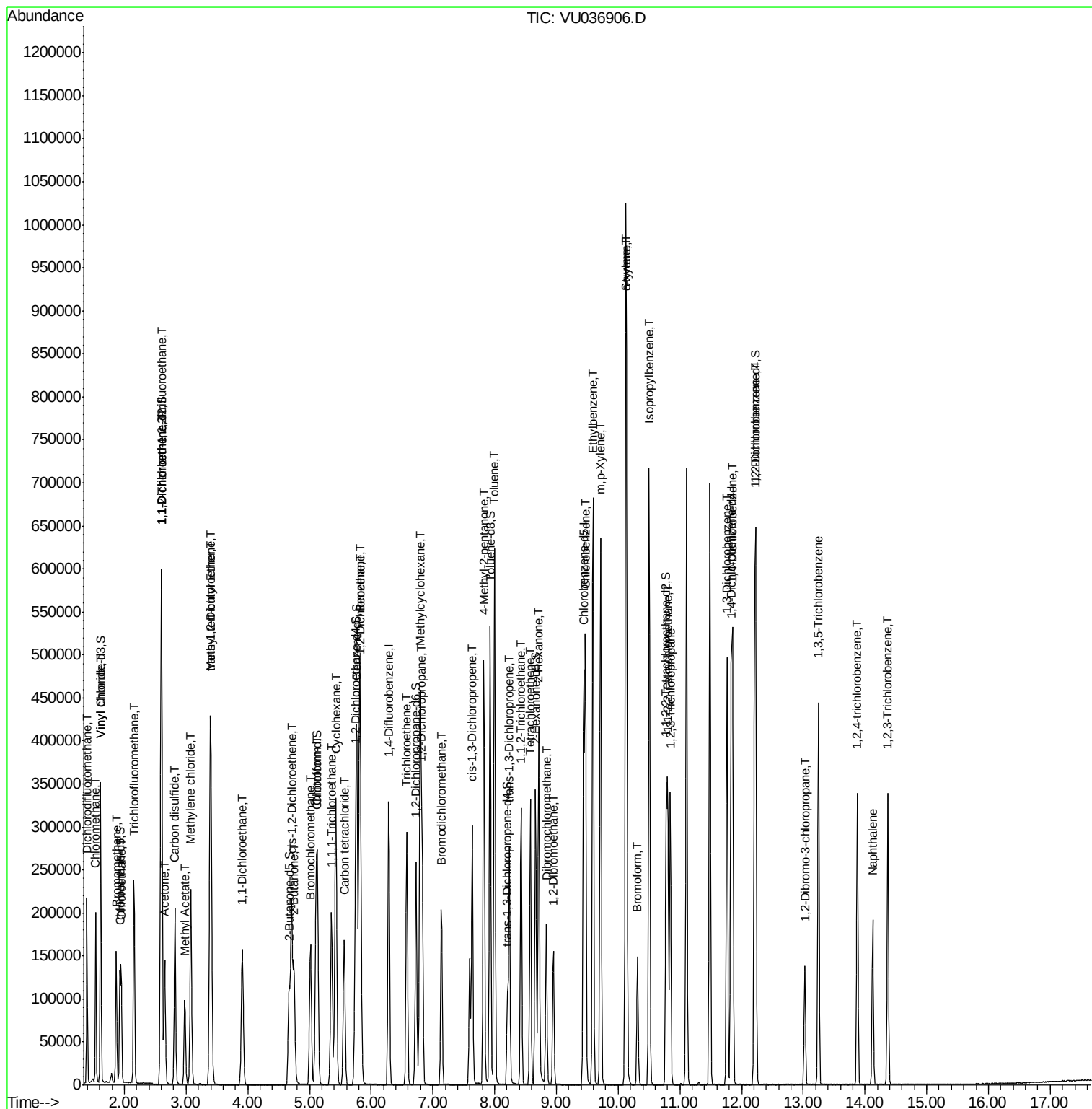
Quant Time: Feb 26 01:31:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
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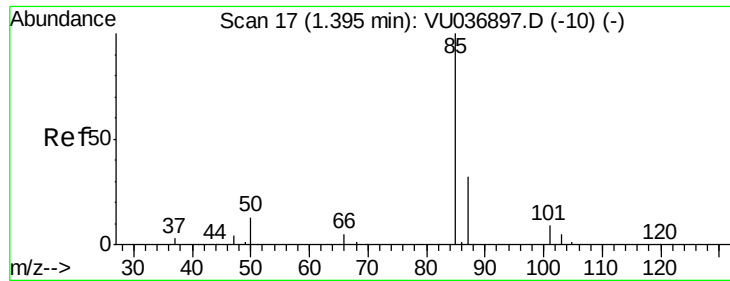
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47947	53.795	ug/L	98
25) Chloroform	5.13	83	178534	54.102	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144328	53.722	ug/L	98
29) Cyclohexane	5.43	56	171353	53.869	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	137284	53.417	ug/L	98
31) Carbon tetrachloride	5.56	117	109021	54.121	ug/L	98
33) Benzene	5.81	78	409400	54.063	ug/L	100
34) Trichloroethene	6.57	95	100269	53.872	ug/L	98
35) Methylcyclohexane	6.80	83	178207	55.223	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109795	53.848	ug/L	99
38) Bromodichloromethane	7.14	83	129032	53.612	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	163109	51.931	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	317164	105.564	ug/L	100
42) Toluene	8.00	91	442507	54.848	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	145579	53.431	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	97743	53.907	ug/L	99
46) Tetrachloroethene	8.58	164	66980	54.627	ug/L	98
48) 2-Hexanone	8.71	43	261503	109.070	ug/L	99
49) Dibromochloromethane	8.84	129	91176	52.978	ug/L	98
50) 1,2-Dibromoethane	8.95	107	100811	53.168	ug/L	99
51) Chlorobenzene	9.47	112	258453	54.066	ug/L	99
52) Ethylbenzene	9.59	91	474659	54.272	ug/L	100
53) m,p-Xylene	9.72	106	176395	54.983	ug/L	98
54) o-xylene	10.12	106	174966	54.681	ug/L	99
55) Styrene	10.14	104	290215	55.483	ug/L	100
56) Isopropylbenzene	10.51	105	451641	54.955	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	173773	53.608	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140114	53.417	ug/L	99
61) Bromoform	10.31	173	62829	51.659	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	185223	53.077	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	183529	53.231	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	185325	53.188	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35992	52.067	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	124352	56.140	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	94928	57.201	ug/L	99
69) Naphthalene	14.12	128	149834	51.146	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	95282	57.454	ug/L	97

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

ALS Vial : 11 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 54.458 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

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Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

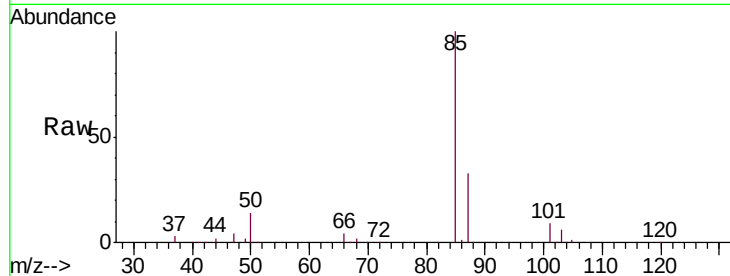
VSTD05057

Tgt Ion: 85 Resp: 117176

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036897.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036897.D (-10) (-)

1.39

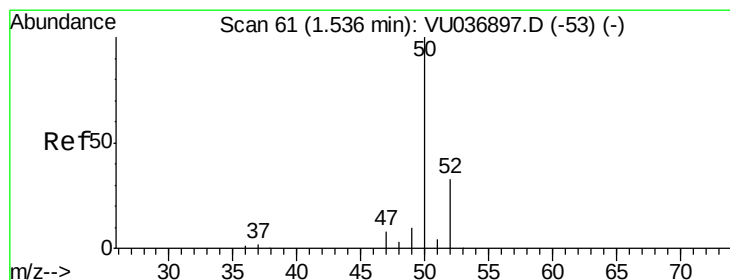
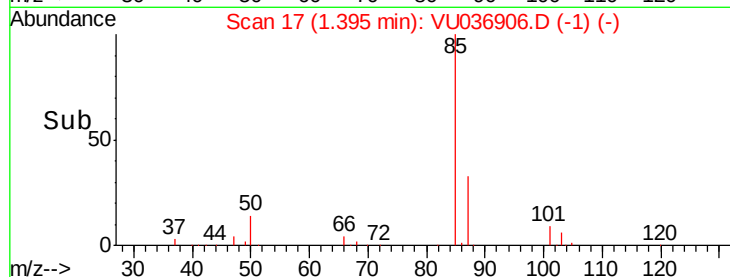
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 53.945 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036906.D

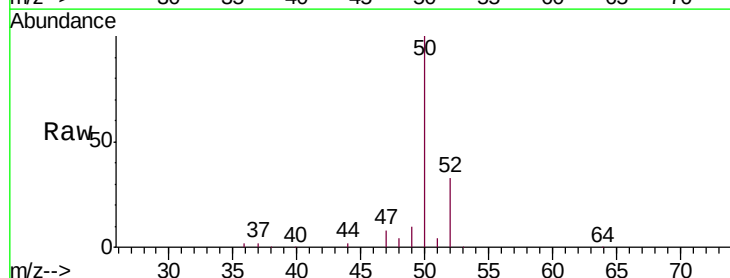
Acq: 25 Feb 2020 15:00

Tgt Ion: 50 Resp: 133537

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036897.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036897.D (-53) (-)

1.54

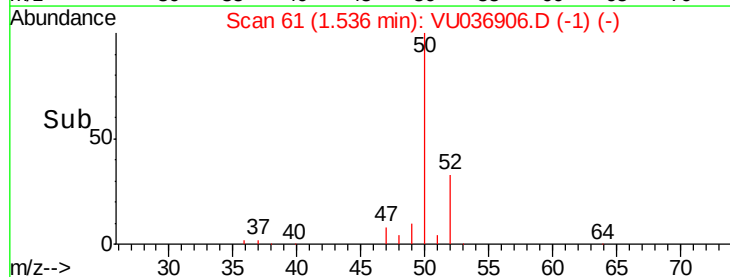
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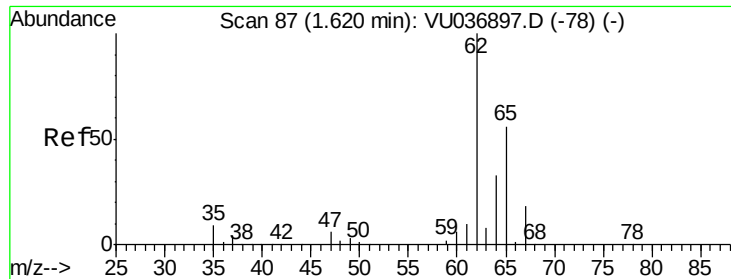
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 53.517 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

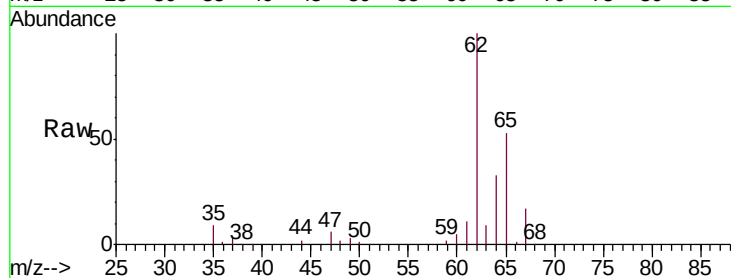
VSTD05057

Tgt Ion: 62 Resp: 136648

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036897.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036897.D (-78) (-)

1.62

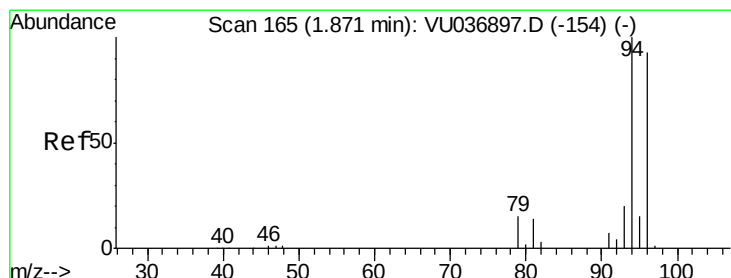
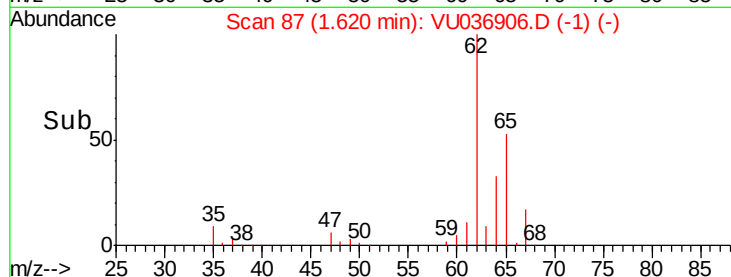
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 58.005 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036906.D

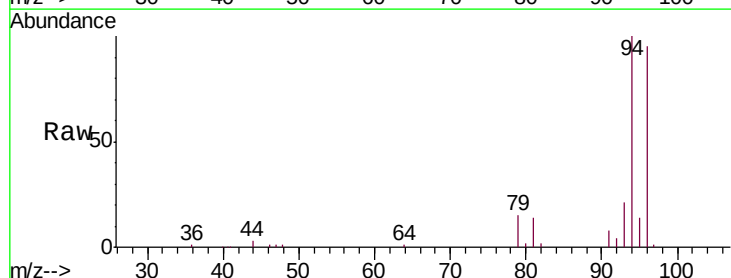
Acq: 25 Feb 2020 15:00

Tgt Ion: 94 Resp: 75990

Ion Ratio Lower Upper

94 100

96 95.1 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036897.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036897.D (-154) (-)

1.87

60000

50000

40000

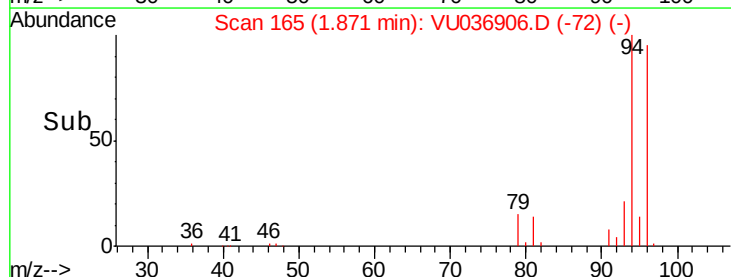
30000

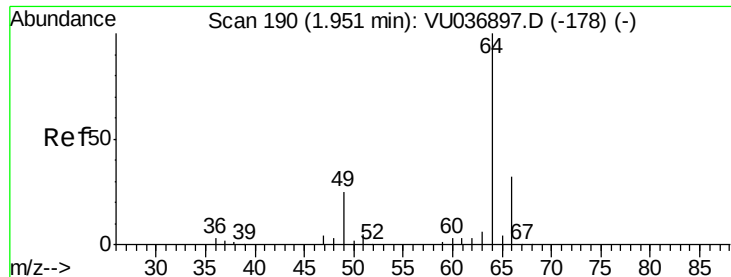
20000

10000

0

Time-->

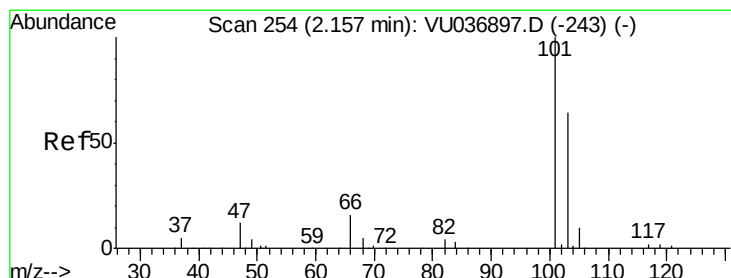
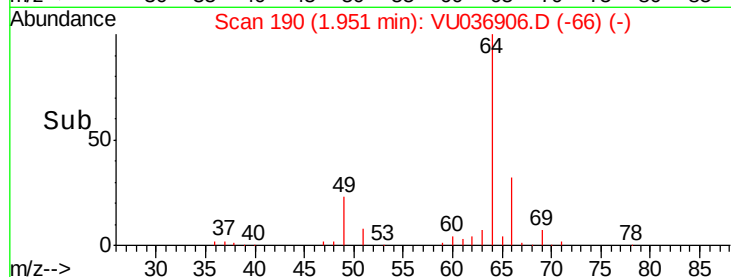
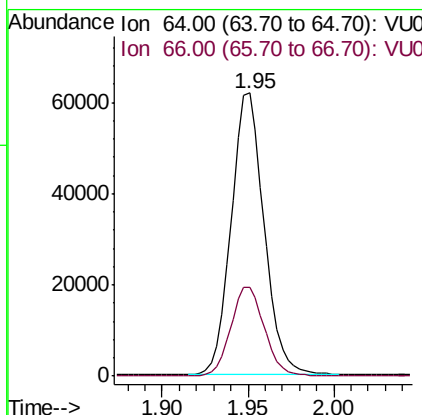
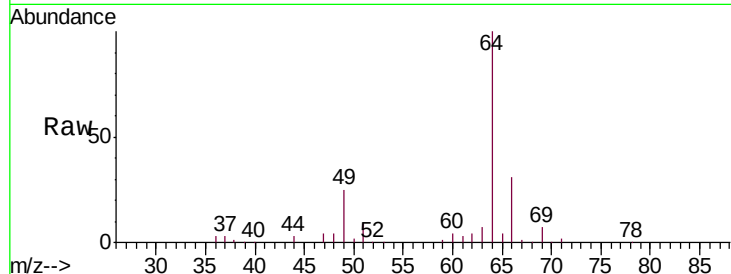




#8
Chloroethane
Concen: 53.488 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

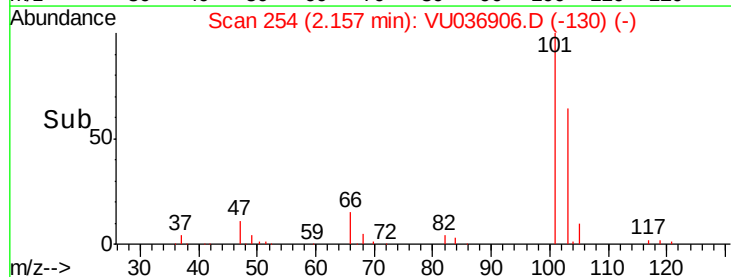
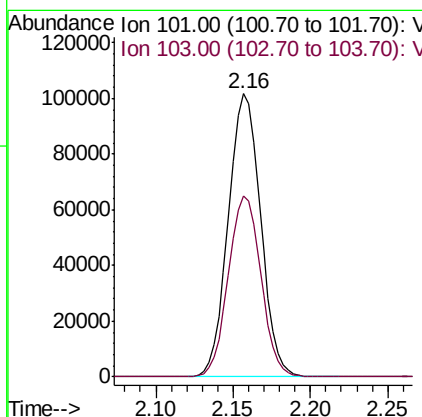
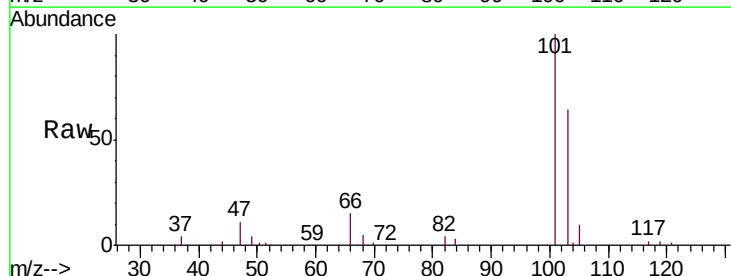
Instrument :
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VSTD05057

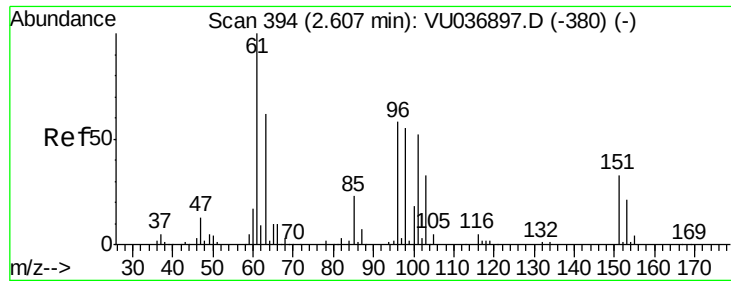
Tgt Ion: 64 Resp: 81868
Ion Ratio Lower Upper
64 100
66 31.3 22.5 41.9



#9
Trichlorofluoromethane
Concen: 54.464 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion: 101 Resp: 147491
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3





#10

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

Concen: 55.601 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

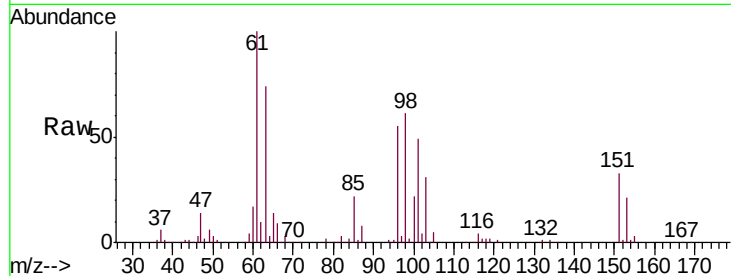
Tgt Ion:101 Resp: 90071

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

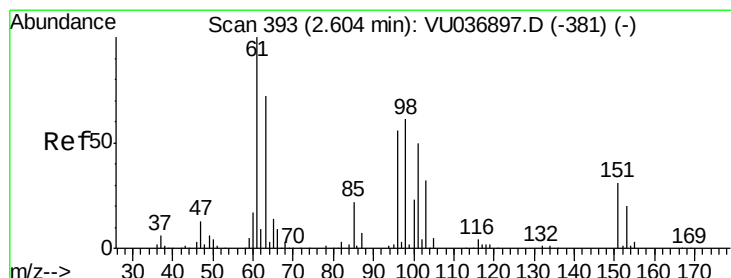
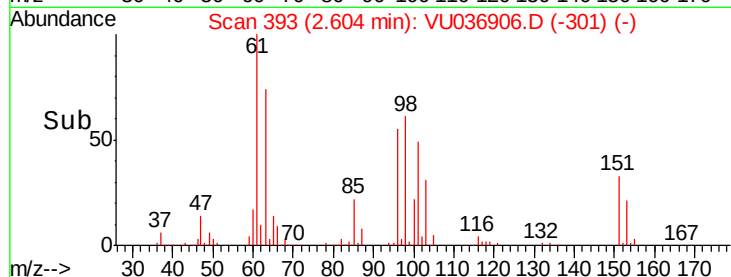
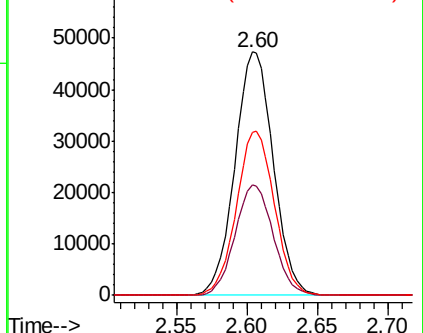
151 66.7 52.4 78.6



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: 52.802 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

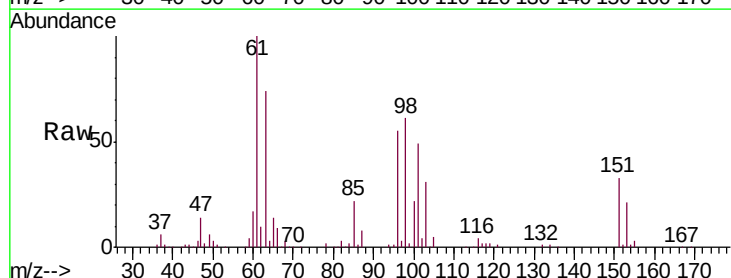
Tgt Ion: 96 Resp: 86515

Ion Ratio Lower Upper

96 100

61 183.2 127.5 236.7

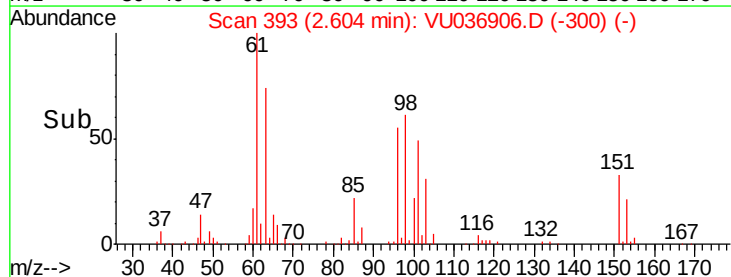
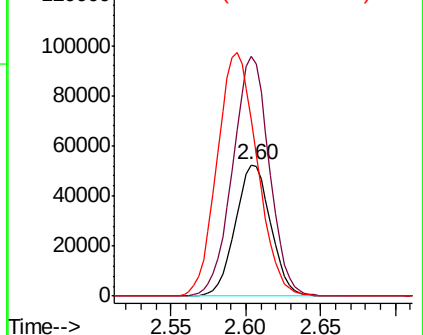
63 134.8 101.4 188.2

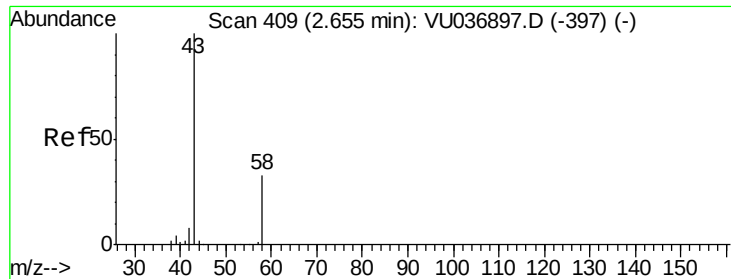


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 101.861 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

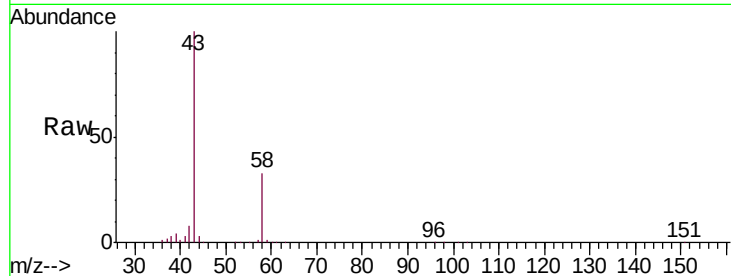
VSTD05057

Tgt Ion: 43 Resp: 149716

Ion Ratio Lower Upper

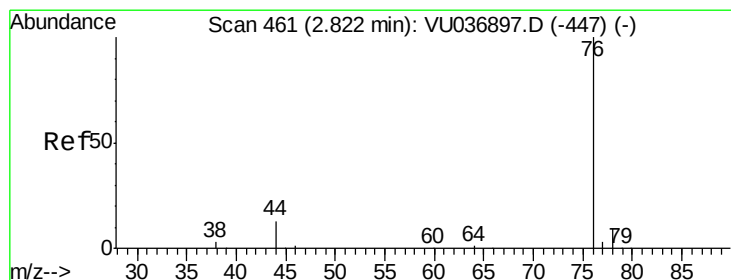
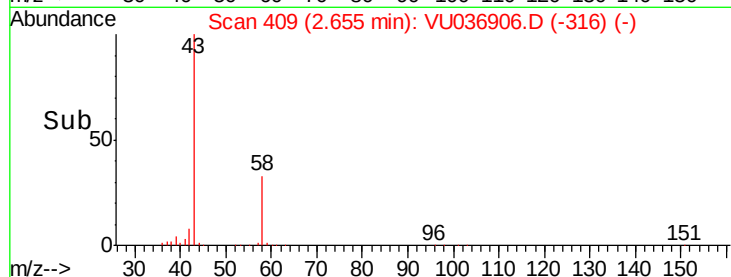
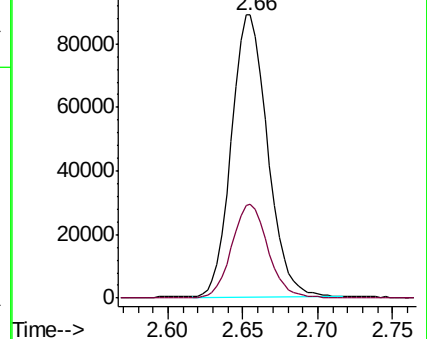
43 100

58 33.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036897.D (-397) (-)



#14

Carbon disulfide

Concen: 52.139 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036906.D

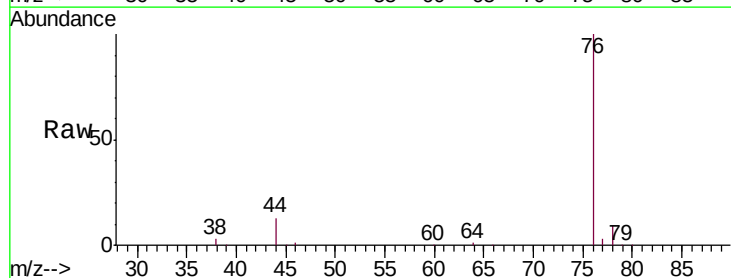
Acq: 25 Feb 2020 15:00

Tgt Ion: 76 Resp: 270289

Ion Ratio Lower Upper

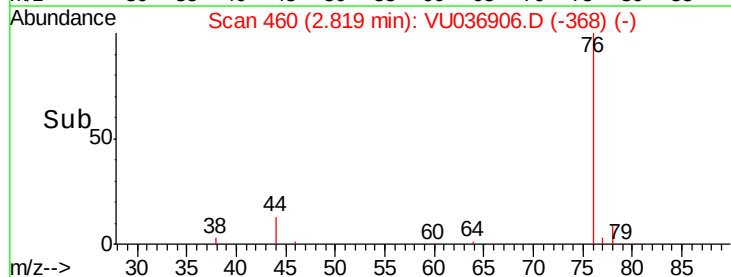
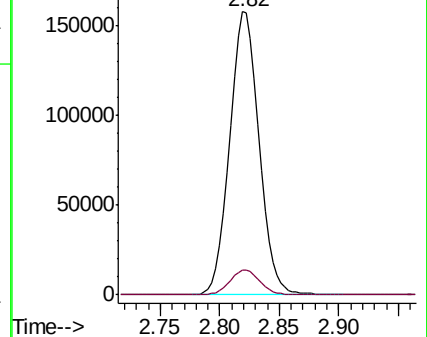
76 100

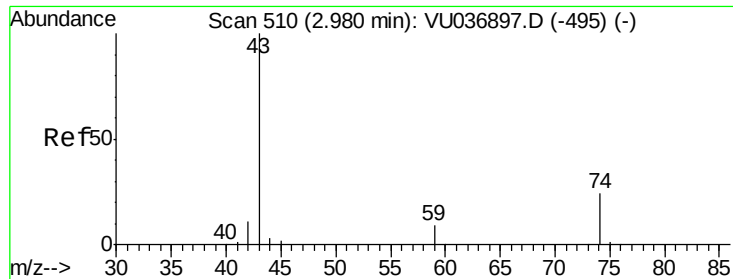
78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036897.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036897.D (-447) (-)

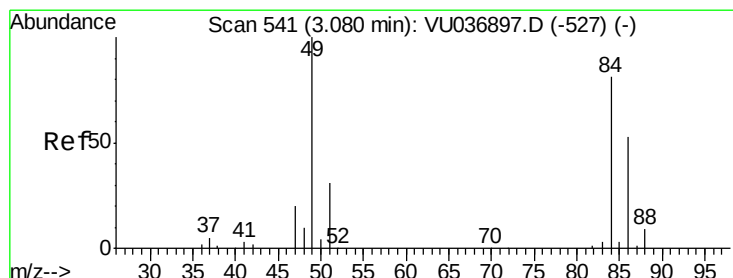
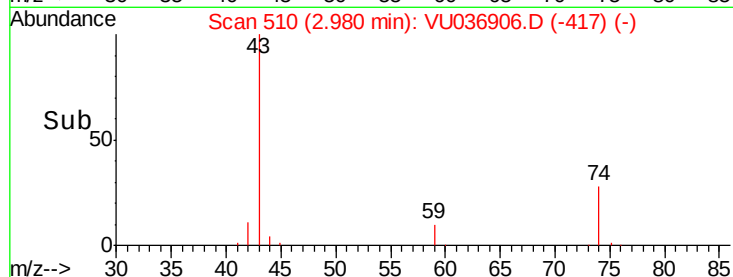
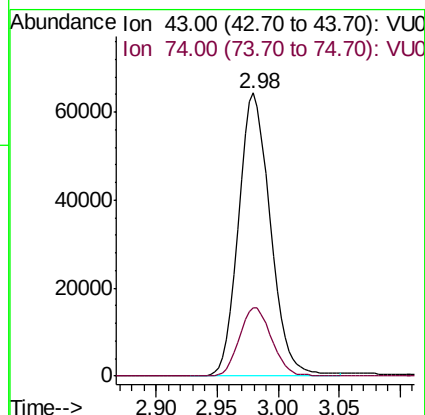
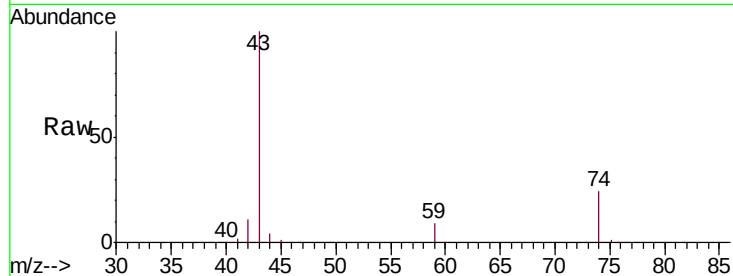




#15
Methyl Acetate
Concen: 52.036 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

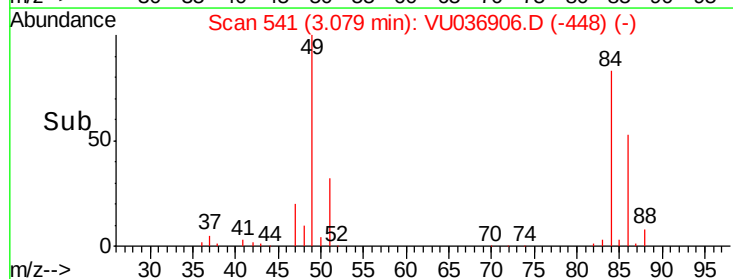
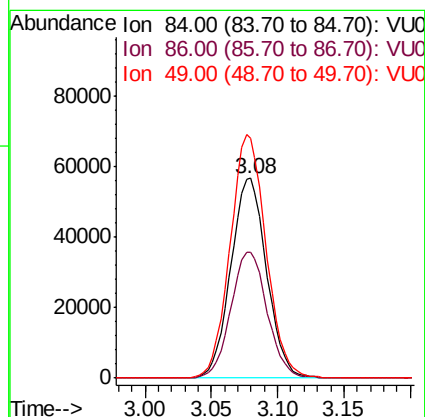
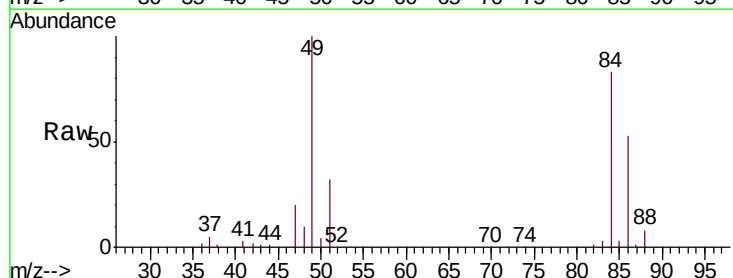
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

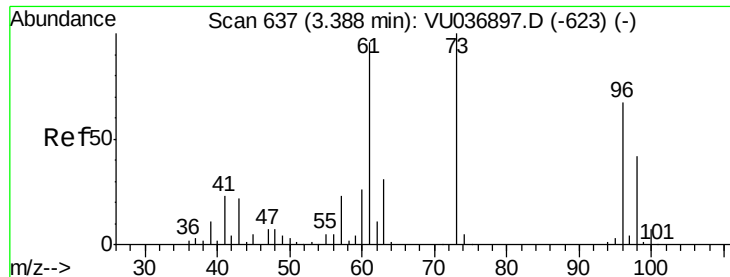
Tgt Ion: 43 Resp: 116578
Ion Ratio Lower Upper
43 100
74 24.5 19.0 28.4



#16
Methylene chloride
Concen: 53.232 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion: 84 Resp: 106382
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.5
49 119.8 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 53.132 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

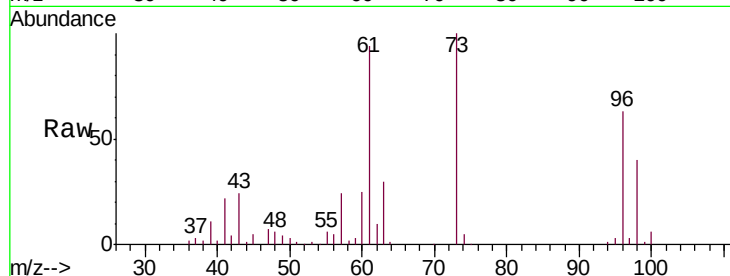
Tgt Ion: 96 Resp: 93518

Ion Ratio Lower Upper

96 100

61 147.5 103.8 192.8

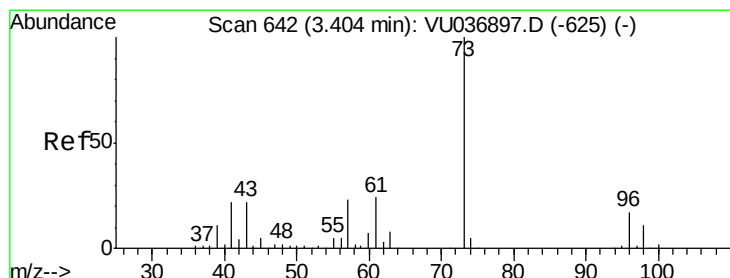
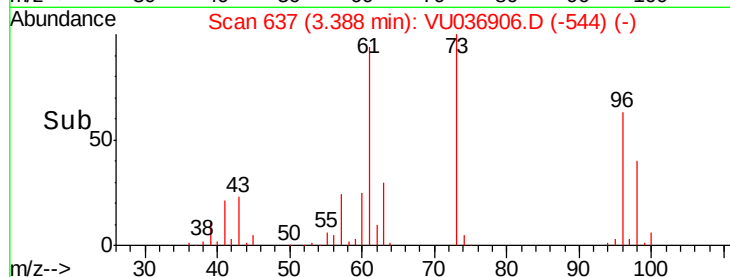
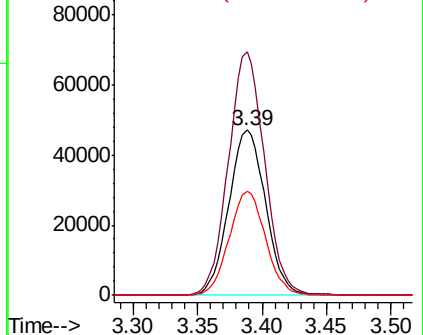
98 63.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036897.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU036897.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU036897.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 52.739 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

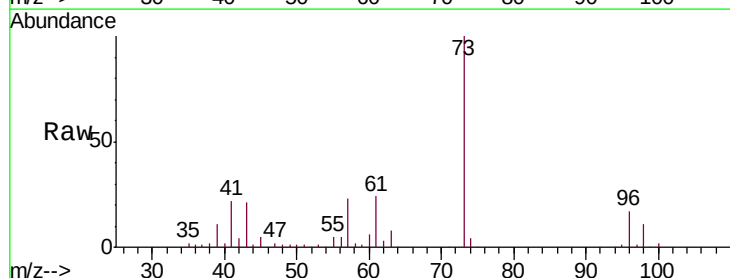
Tgt Ion: 73 Resp: 301746

Ion Ratio Lower Upper

73 100

43 22.1 18.1 27.1

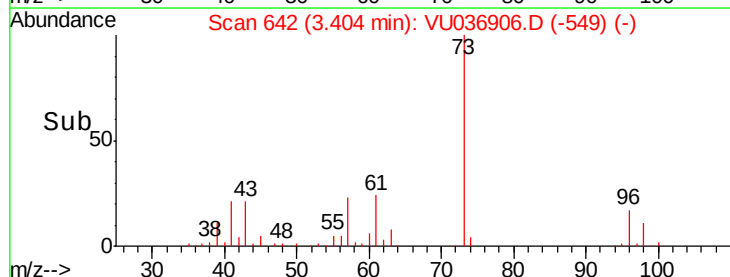
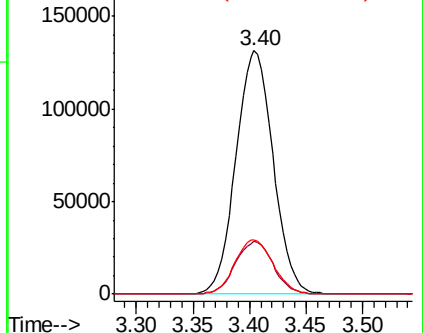
57 23.0 18.4 27.6

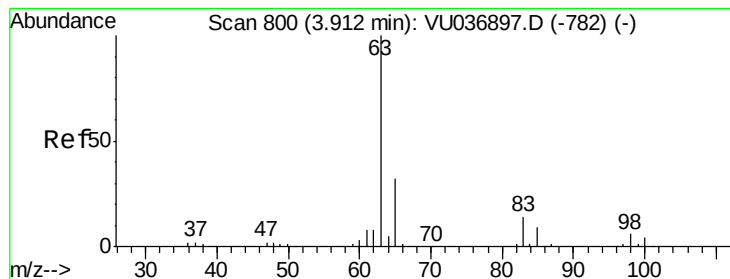


Abundance Ion 73.00 (72.70 to 73.70): VU036897.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU036897.D (-625) (-)

Ion 57.00 (56.70 to 57.70): VU036897.D (-625) (-)





#19

1,1-Dichloroethane

Concen: 53.095 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

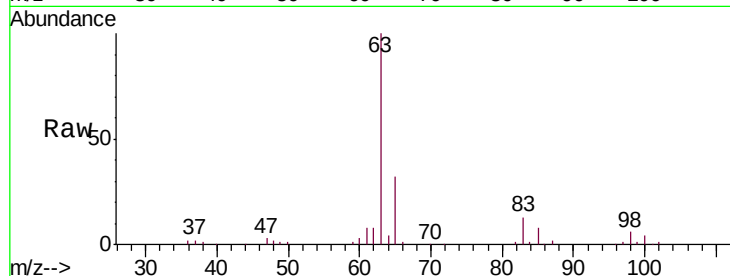
Tgt Ion: 63 Resp: 181589

Ion Ratio Lower Upper

63 100

65 32.0 21.3 39.5

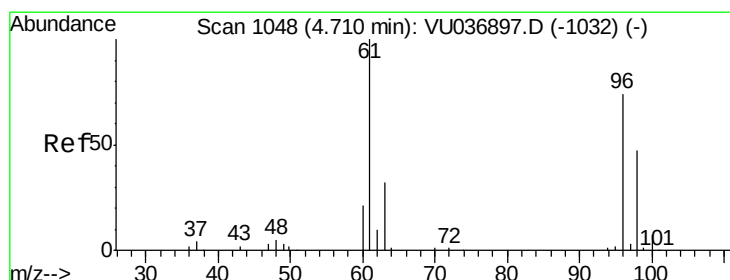
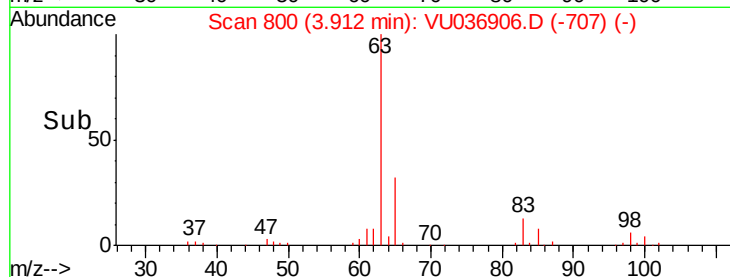
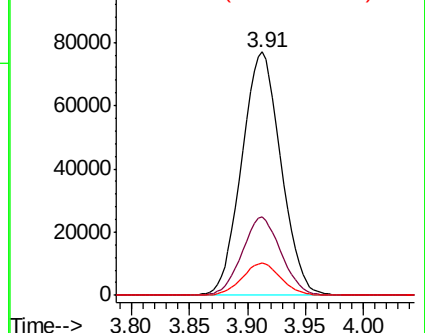
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036897.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036897.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036897.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.205 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

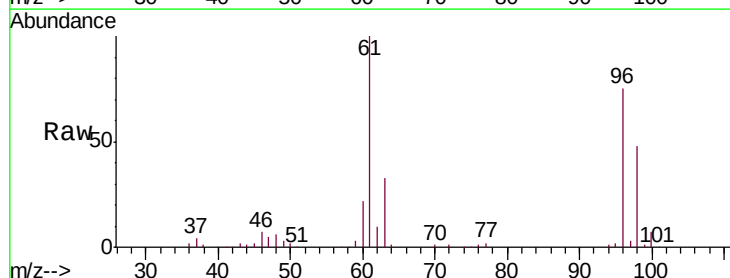
Tgt Ion: 96 Resp: 104712

Ion Ratio Lower Upper

96 100

61 132.7 93.1 172.9

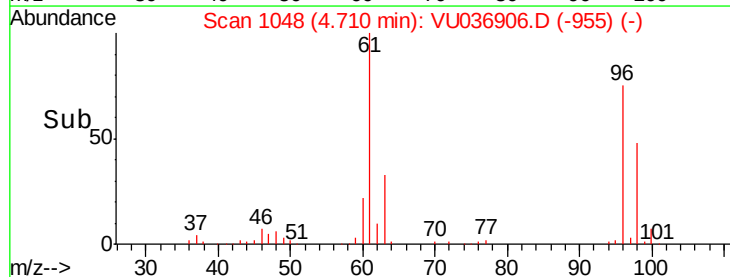
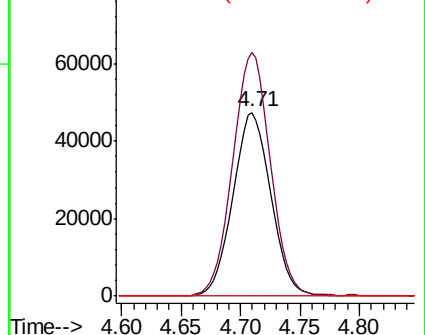
68 0.0 0.0 0.0

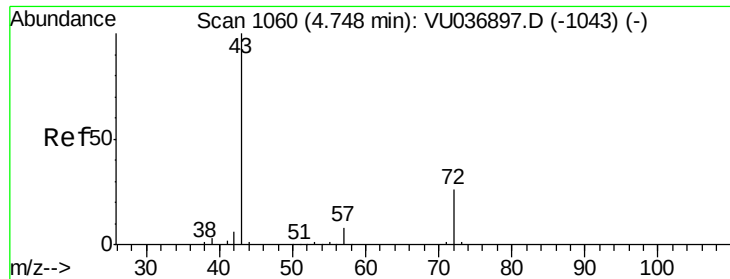


Abundance Ion 96.00 (95.70 to 96.70): VU036897.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036897.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036897.D (-1032) (-)





#22

2-Butanone

Concen: 105.681 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

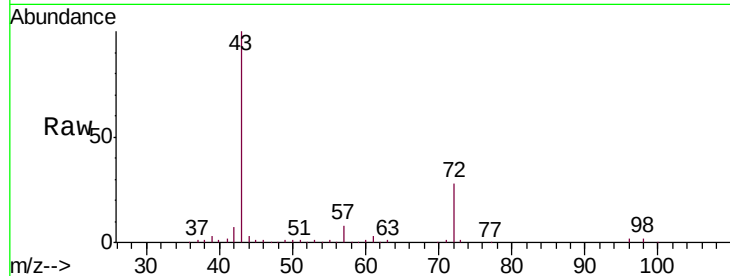
VSTD05057

Tgt Ion: 43 Resp: 187309

Ion Ratio Lower Upper

43 100

72 27.8 13.9 41.6

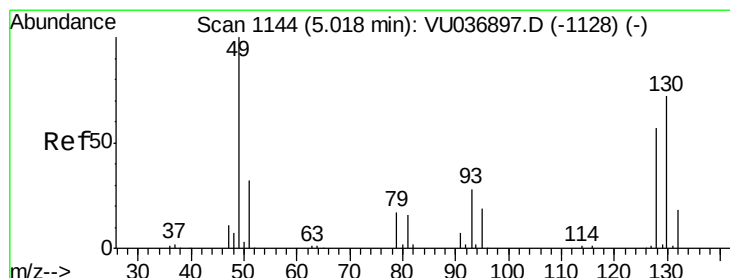
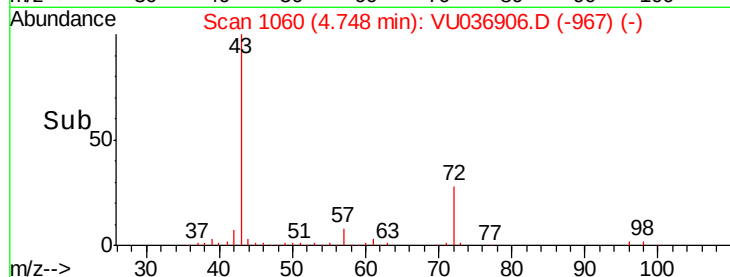


Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-1043) (-)

Ion 72.00 (71.70 to 72.70): VU036897.D (-1043) (-)

4.75

Time-->



#23

Bromochloromethane

Concen: 53.795 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Tgt Ion: 128 Resp: 47947

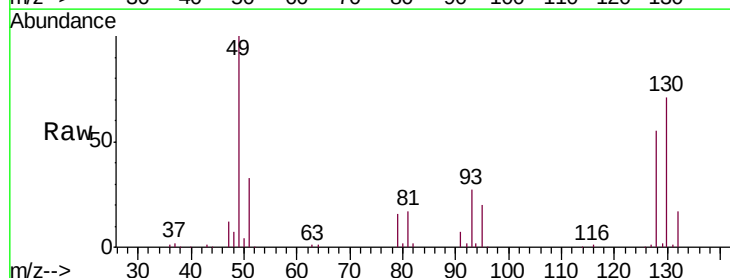
Ion Ratio Lower Upper

128 100

49 180.8 126.5 234.9

130 128.6 86.0 159.8

51 59.1 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036897.D (-1128) (-)

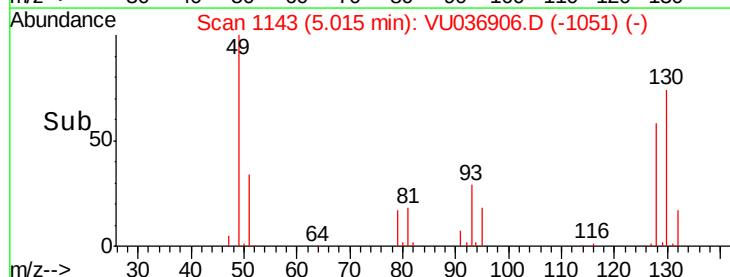
Ion 49.00 (48.70 to 49.70): VU036897.D (-1128) (-)

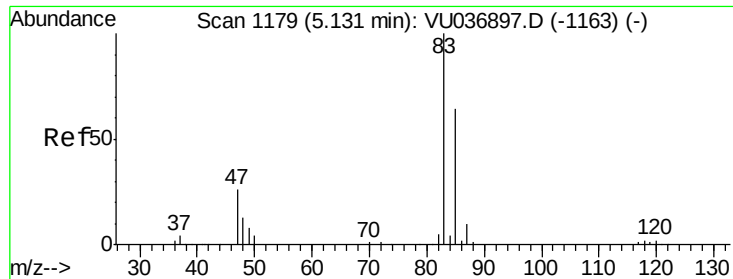
Ion 130.00 (129.70 to 130.70): VU036897.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU036897.D (-1128) (-)

5.02

Time-->

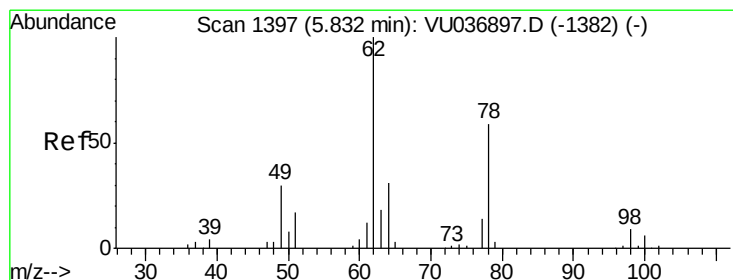
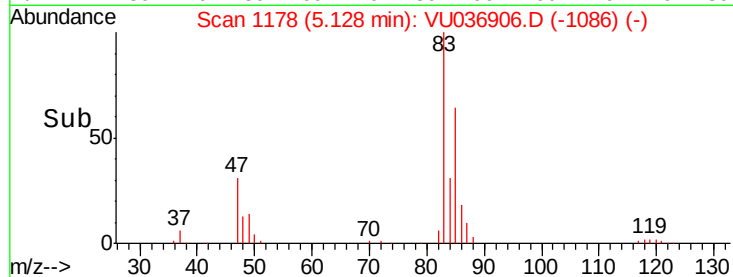
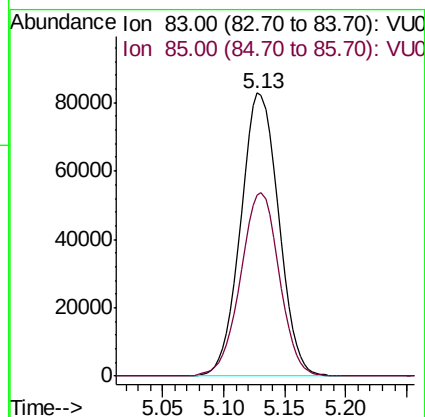
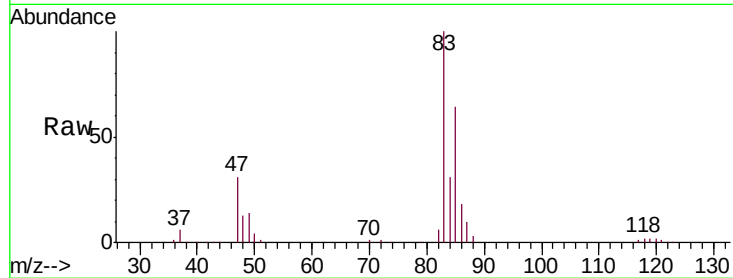




#25
Chloroform
Concen: 54.102 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

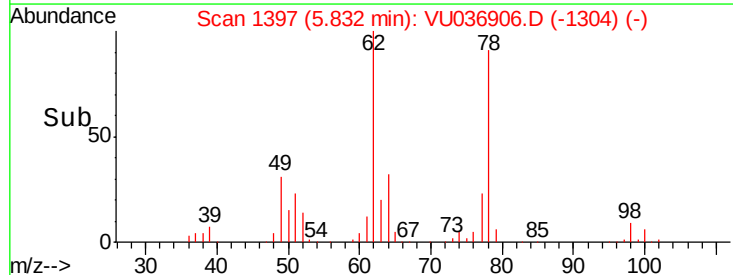
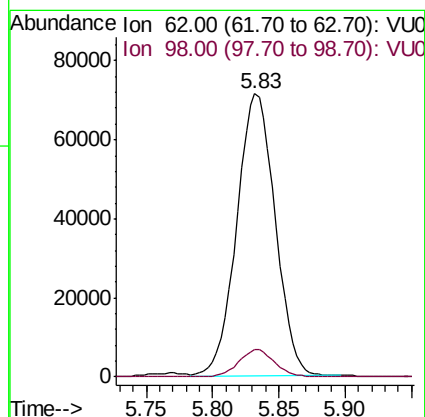
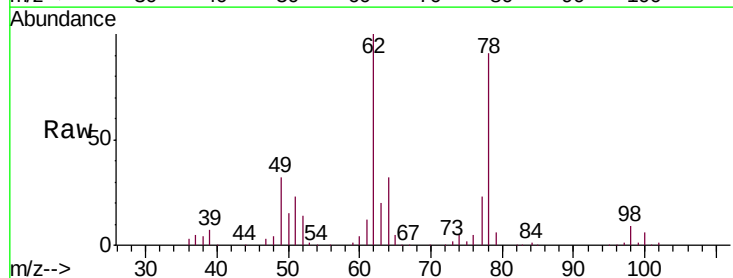
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

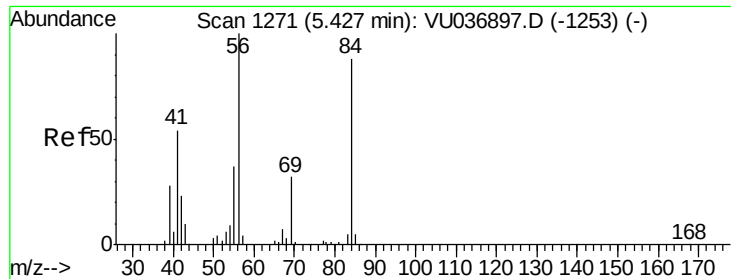
Tgt Ion: 83 Resp: 178534
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 53.722 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion: 62 Resp: 144328
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

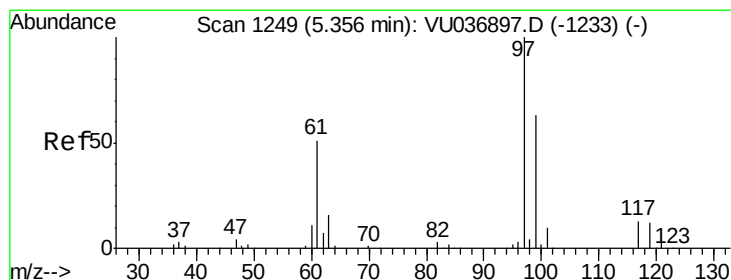
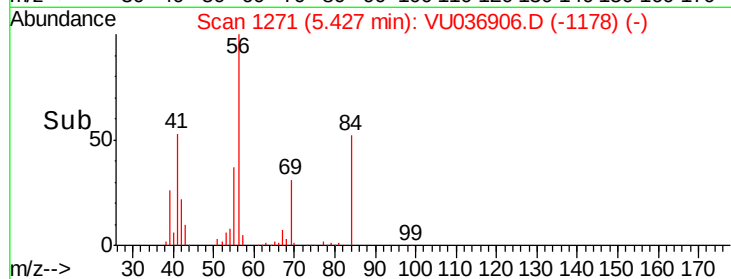
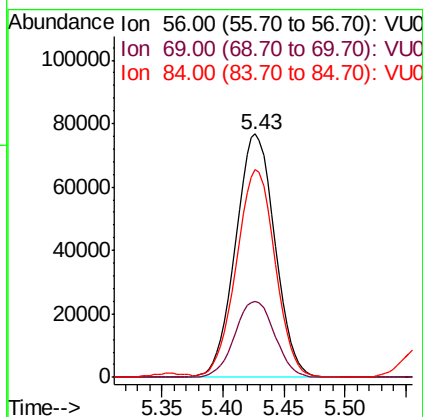
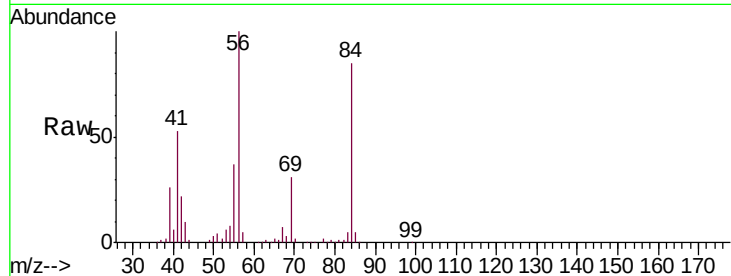




#29
Cyclohexane
Concen: 53.869 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

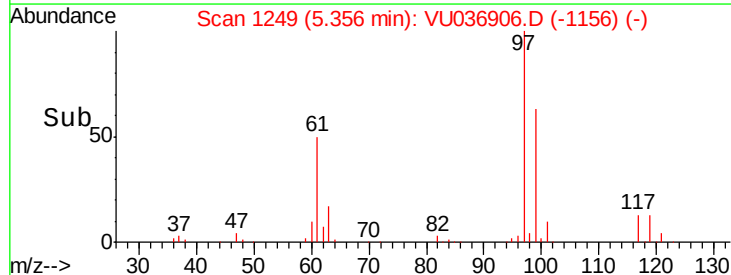
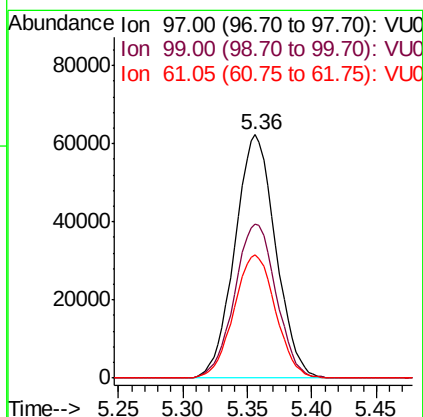
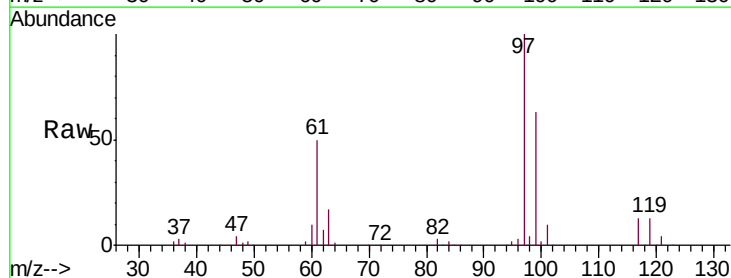
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

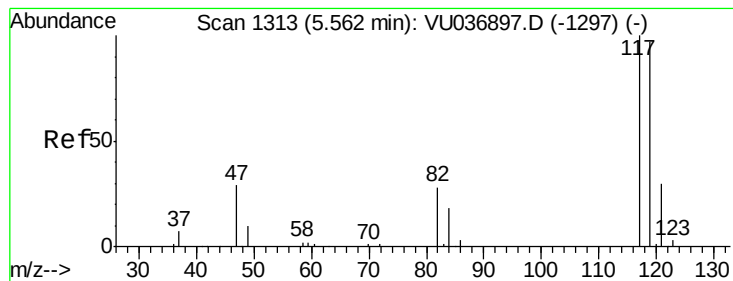
Tgt Ion: 56 Resp: 171353
Ion Ratio Lower Upper
56 100
69 31.6 24.6 37.0
84 84.3 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 53.417 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion: 97 Resp: 137284
Ion Ratio Lower Upper
97 100
99 64.5 50.4 75.6
61 51.7 40.3 60.5





#31

Carbon tetrachloride

Concen: 54.121 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

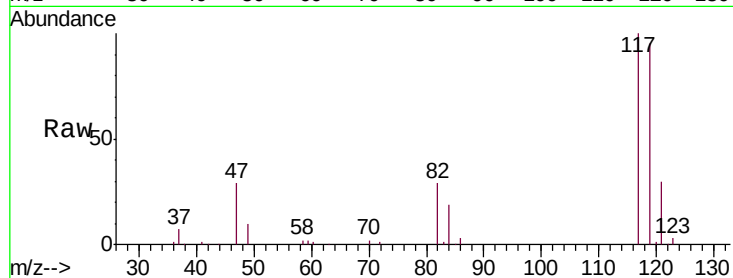
VSTD05057

Tgt Ion:117 Resp: 109021

Ion Ratio Lower Upper

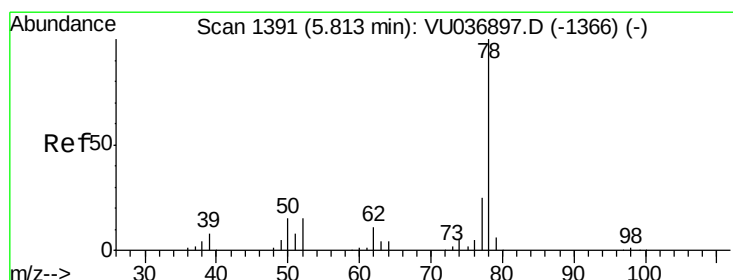
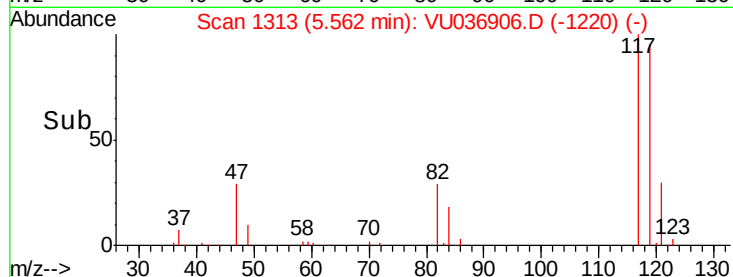
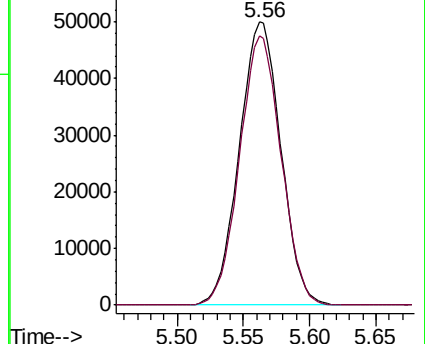
117 100

119 94.7 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: 54.063 ug/L

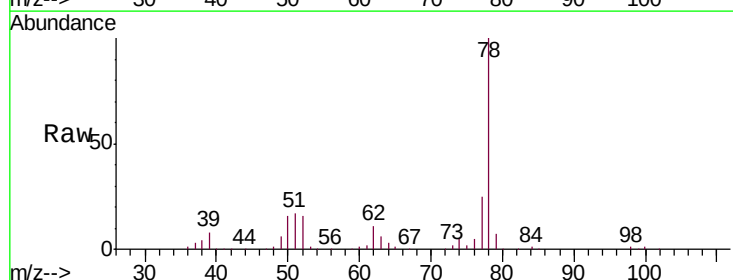
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

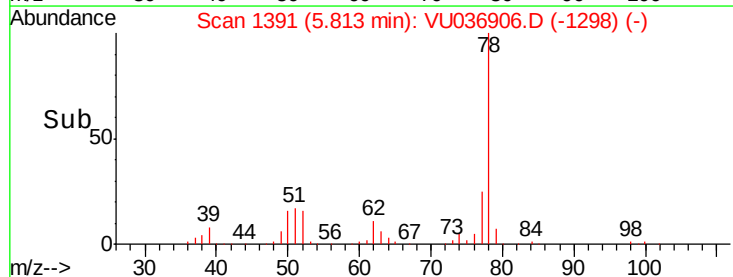
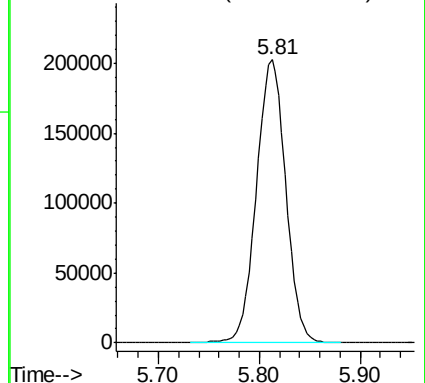
Lab File: VU036906.D

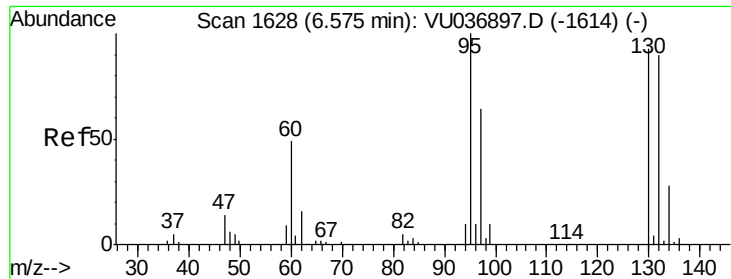
Acq: 25 Feb 2020 15:00

Tgt Ion: 78 Resp: 409400



Abundance Ion 78.00 (77.70 to 78.70): VU0

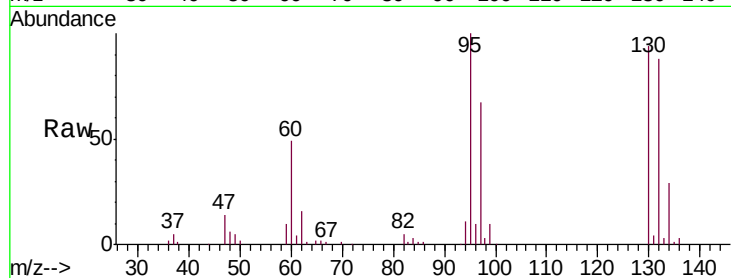




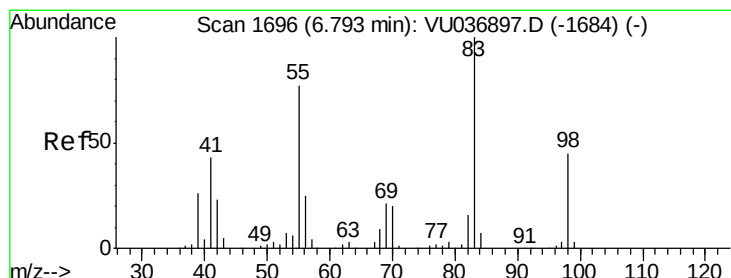
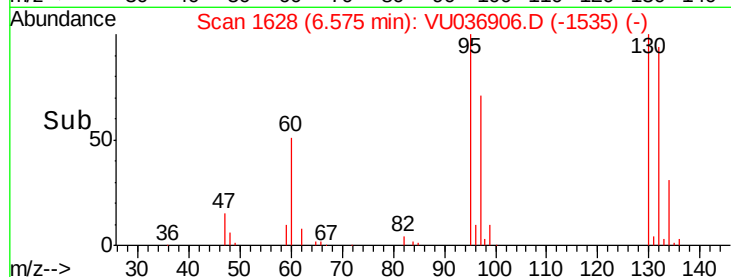
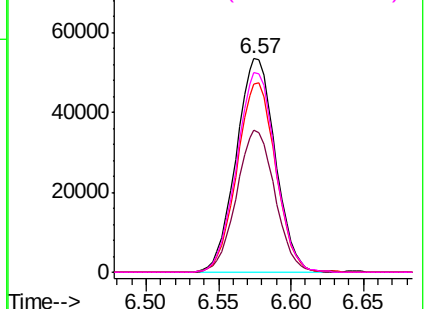
#34
 Trichloroethene
 Concen: 53.872 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05057

Tgt Ion: 95 Resp: 100269
 Ion Ratio Lower Upper
 95 100
 97 66.8 44.1 81.9
 132 88.3 60.6 112.6
 130 93.7 64.9 120.5

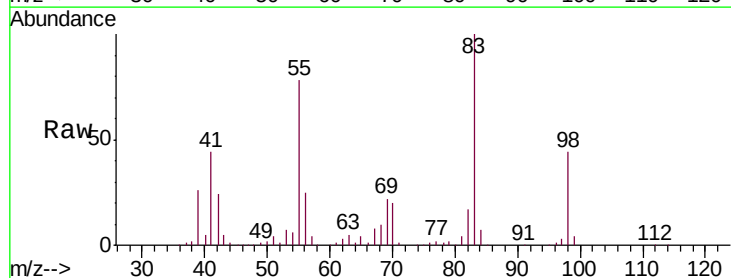


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

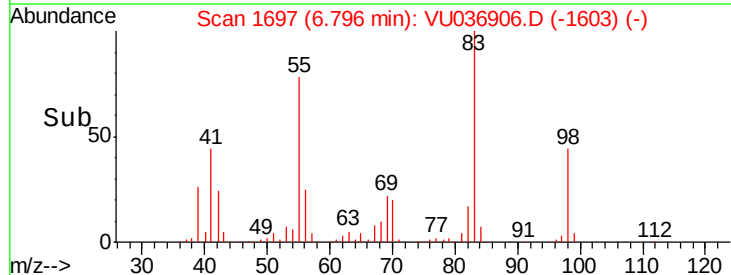
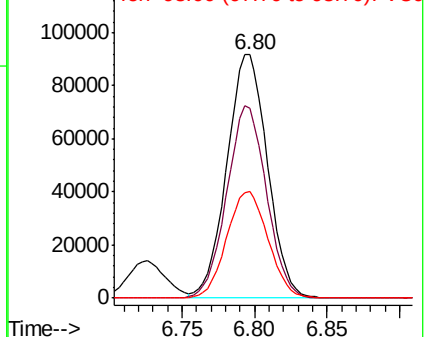


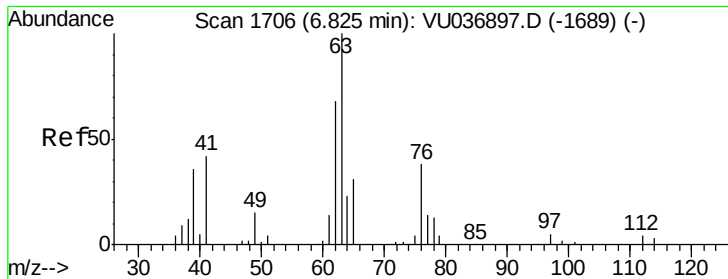
#35
 Methylcyclohexane
 Concen: 55.223 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion: 83 Resp: 178207
 Ion Ratio Lower Upper
 83 100
 55 77.3 62.6 93.8
 98 44.6 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

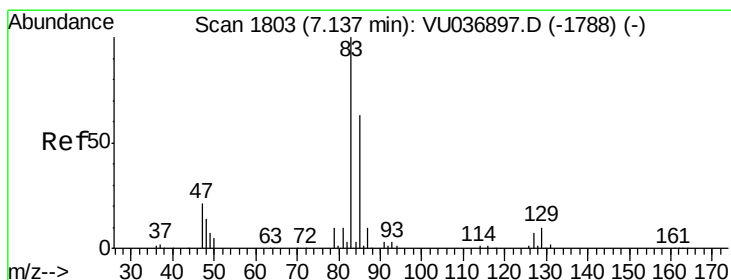
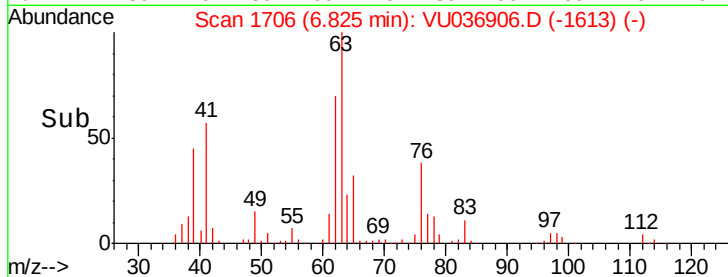
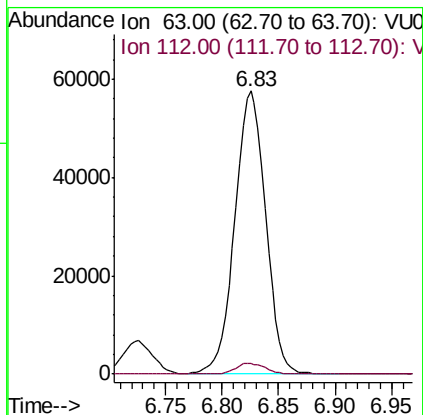
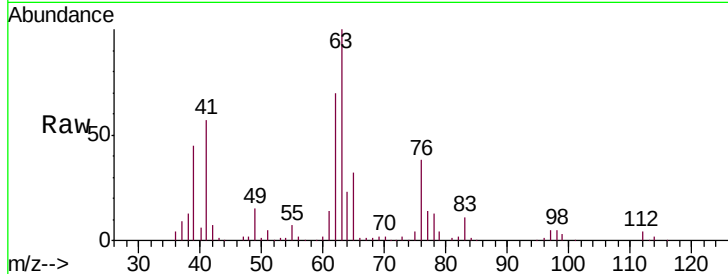




#37
 1,2-Dichloropropane
 Concen: 53.848 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

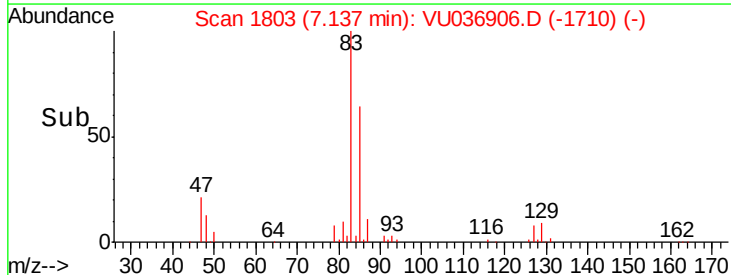
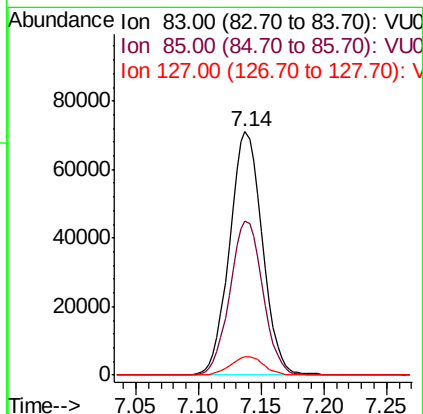
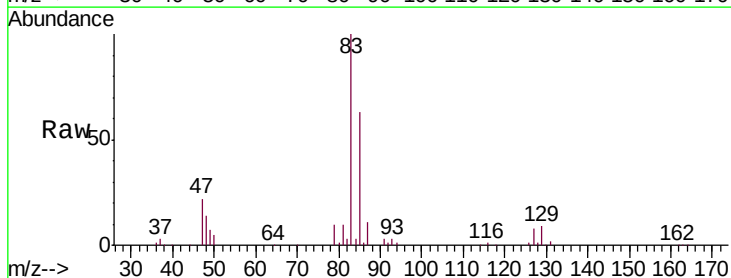
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

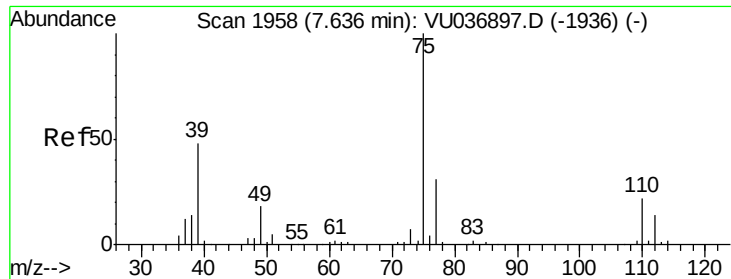
Tgt Ion: 63 Resp: 109795
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 53.612 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion: 83 Resp: 129032
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.6 81.0
 127 7.6 6.0 9.0

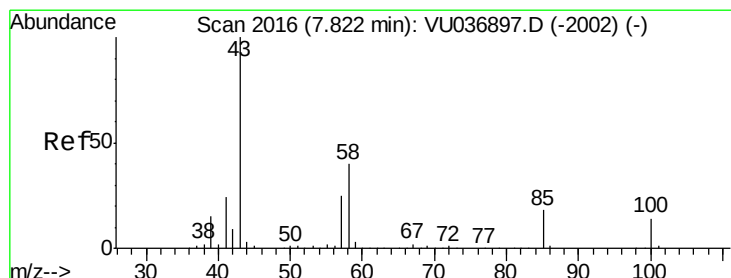
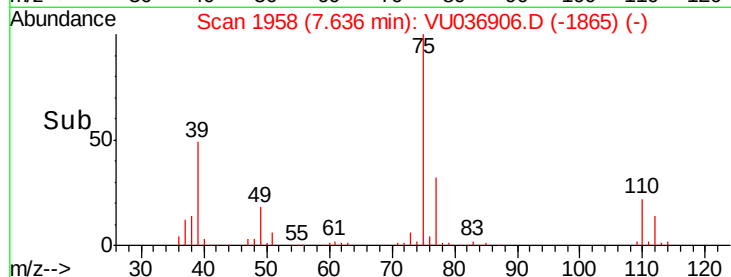
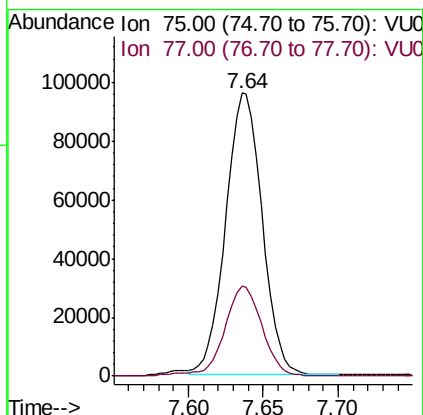
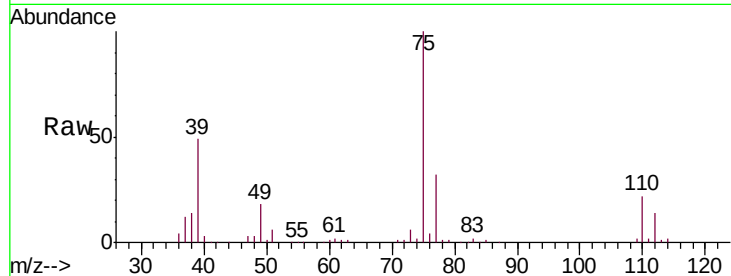




#39
 cis-1,3-Dichloropropene
 Concen: 51.931 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

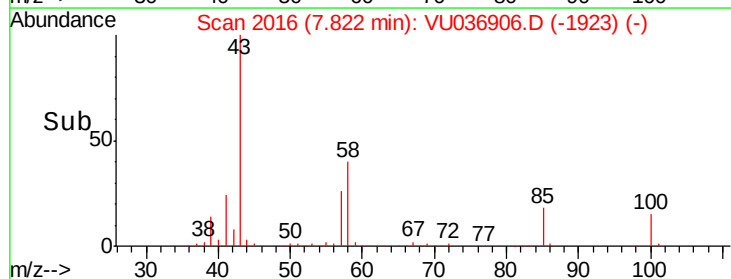
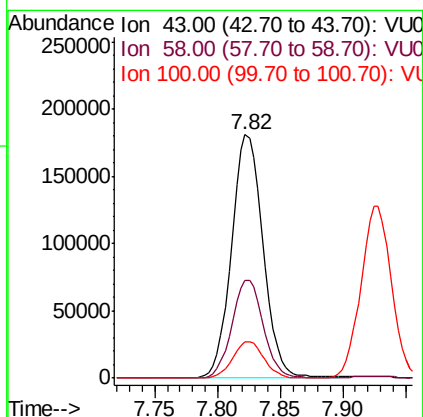
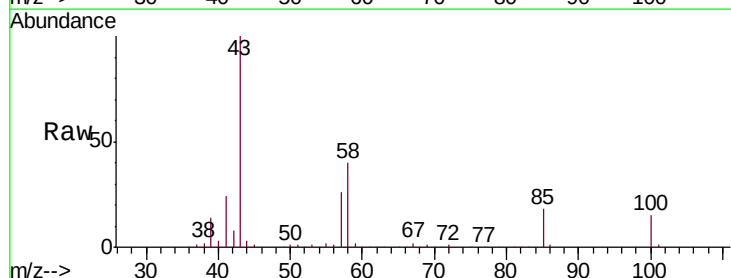
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

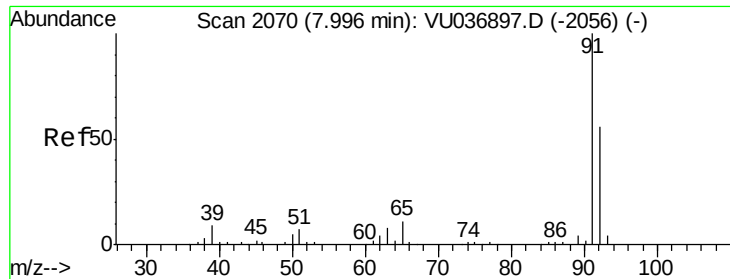
Tgt Ion: 75 Resp: 163109
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 105.564 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion: 43 Resp: 317164
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6
 100 14.8 11.5 17.3





#42

Toluene

Concen: 54.848 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

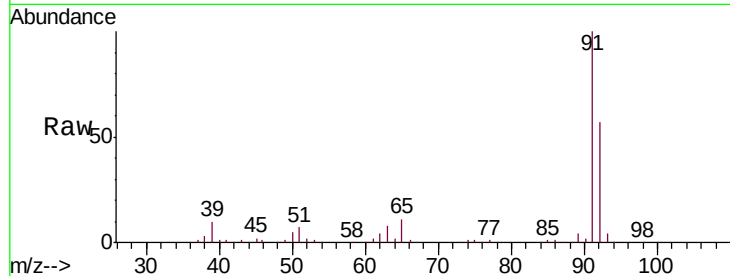
VSTD05057

Tgt Ion: 91 Resp: 442507

Ion Ratio Lower Upper

91 100

92 56.8 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036897.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036897.D (-2056) (-)

8.00

250000

200000

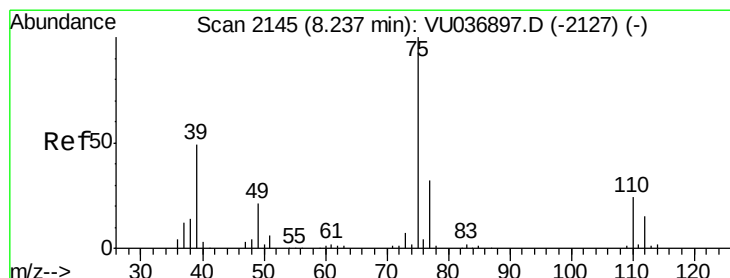
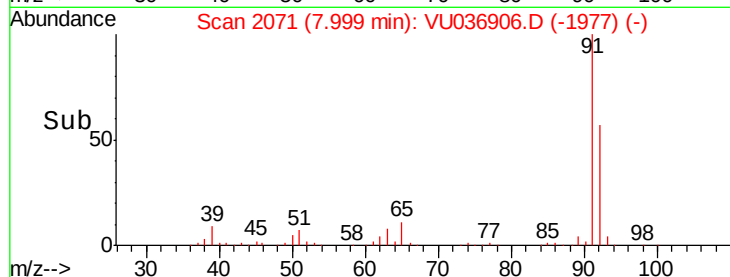
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.431 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036906.D

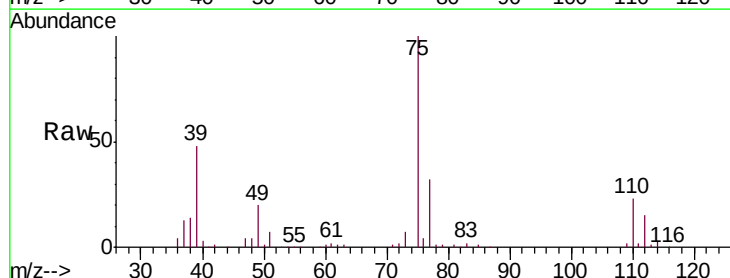
Acq: 25 Feb 2020 15:00

Tgt Ion: 75 Resp: 145579

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036897.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036897.D (-2127) (-)

8.24

100000

80000

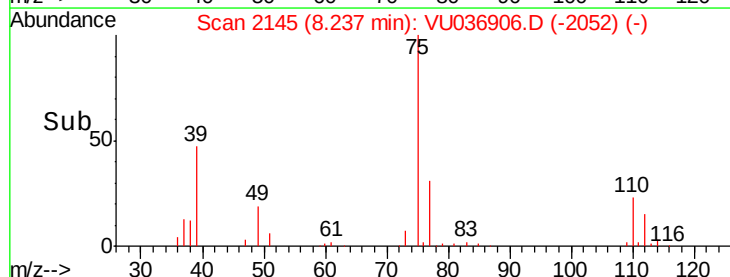
60000

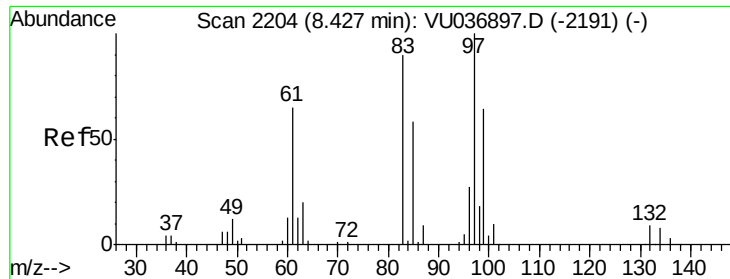
40000

20000

0

Time-->

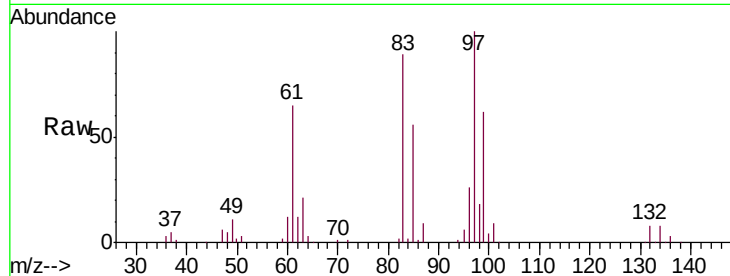




#45
 1,1,2-Trichloroethane
 Concen: 53.907 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	97	Resp:	97743
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.6	81.0
83	89.2	62.7	116.5
85	56.5	40.3	74.9



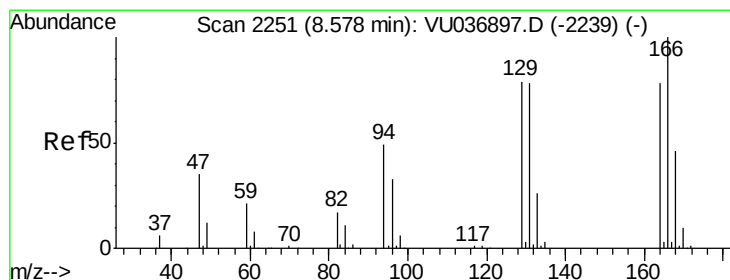
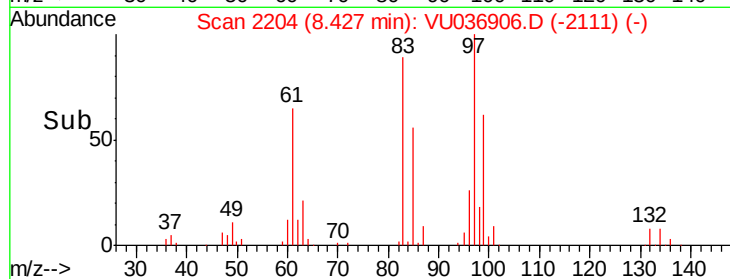
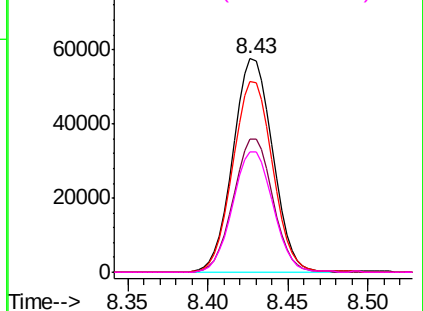
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

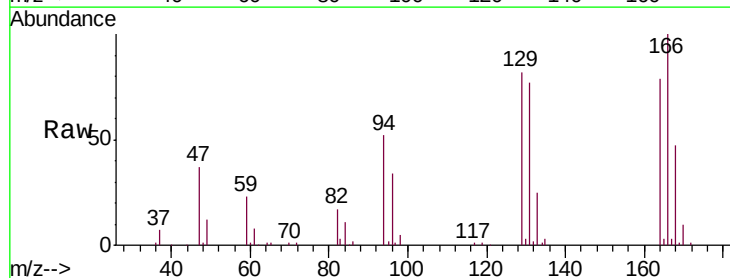
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 54.627 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion:	164	Resp:	66980
Ion	Ratio	Lower	Upper
164	100		
129	103.7	72.0	133.8
131	98.2	67.9	126.1
166	127.2	87.1	161.7



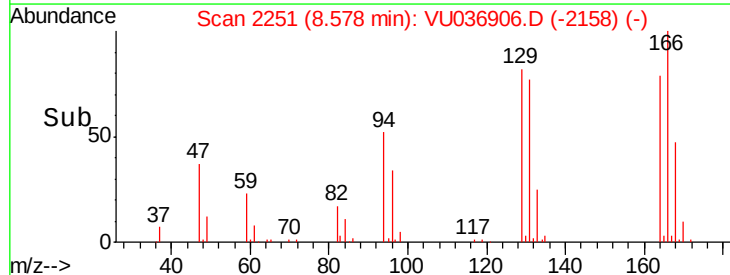
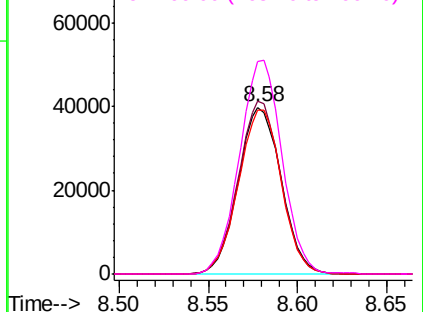
Abundance

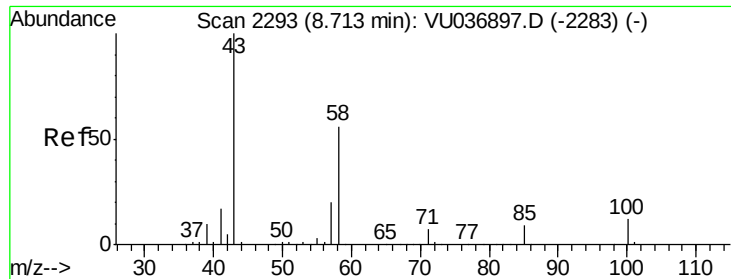
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

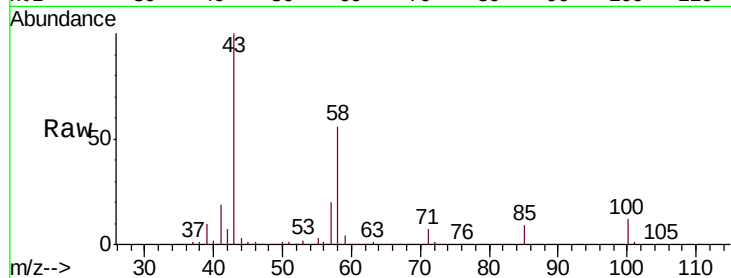




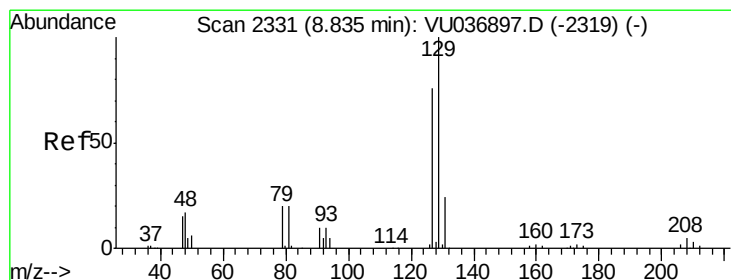
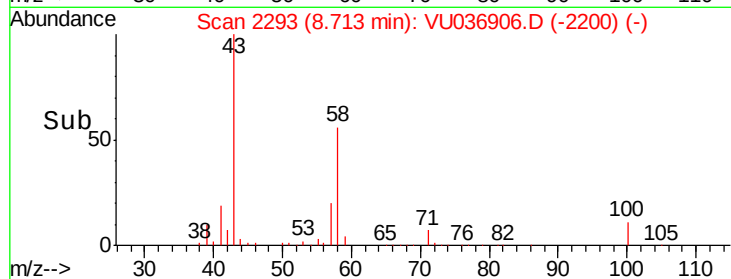
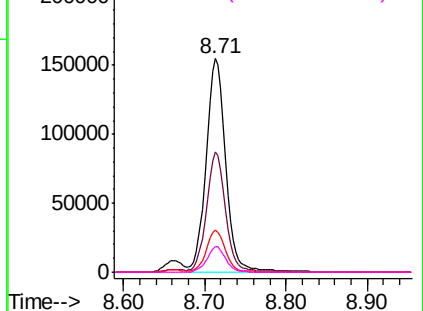
#48
2-Hexanone
Concen: 109.070 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 261503
Ion Ratio Lower Upper
43 100
58 53.9 43.5 65.3
57 18.7 15.1 22.7
100 11.6 8.7 13.1

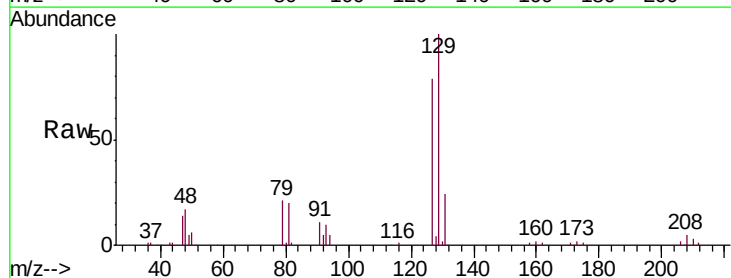


Abundance Ion 43.00 (42.70 to 43.70): VU036897.D (-2283) (-)
Ion 58.00 (57.70 to 58.70): VU036897.D (-2283) (-)
Ion 57.00 (56.70 to 57.70): VU036897.D (-2283) (-)
Ion 100.00 (99.70 to 100.70): VU036897.D (-2283) (-)

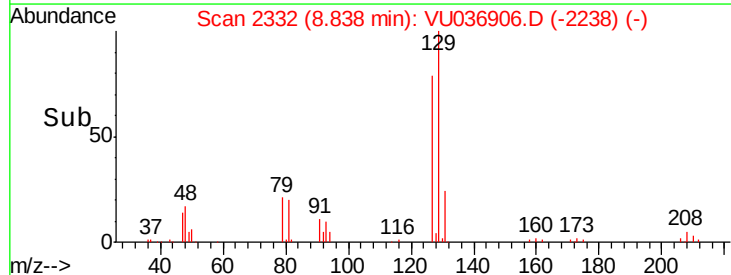
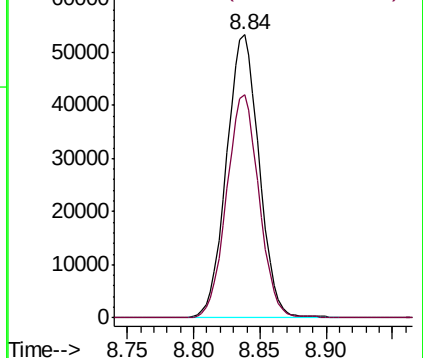


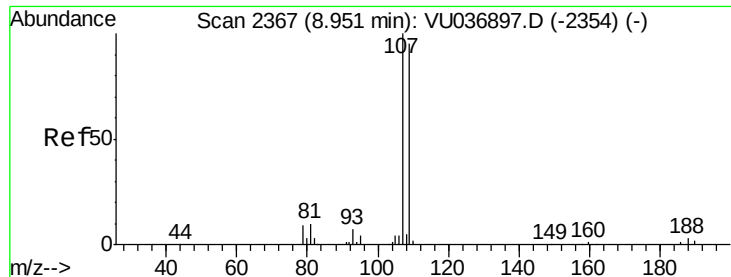
#49
Dibromochloromethane
Concen: 52.978 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion: 129 Resp: 91176
Ion Ratio Lower Upper
129 100
127 79.0 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036897.D (-2319) (-)
Ion 127.00 (126.70 to 127.70): VU036897.D (-2319) (-)

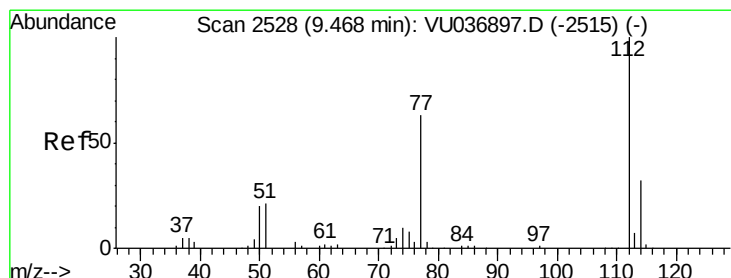
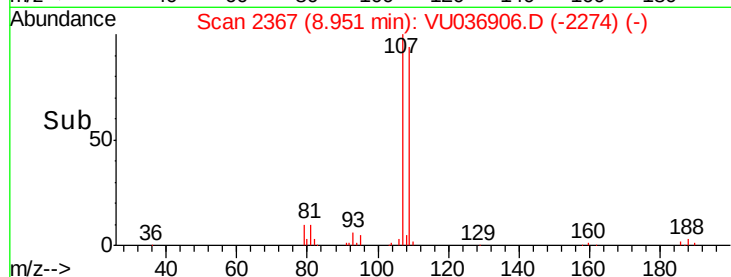
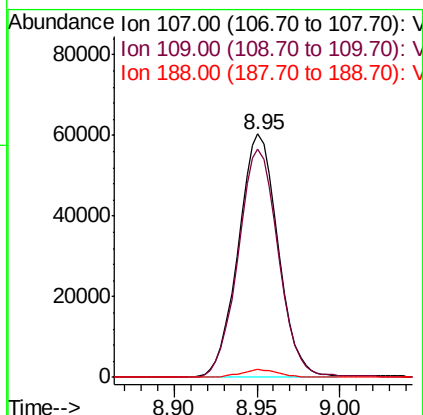
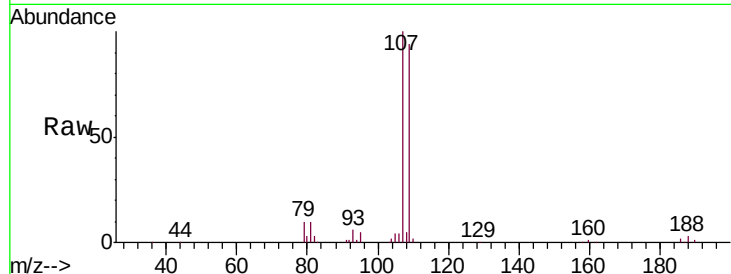




#50
1,2-Dibromoethane
Concen: 53.168 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

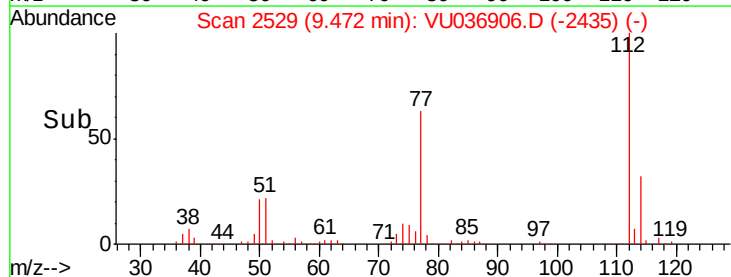
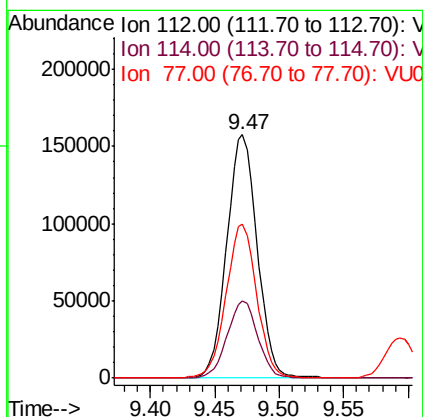
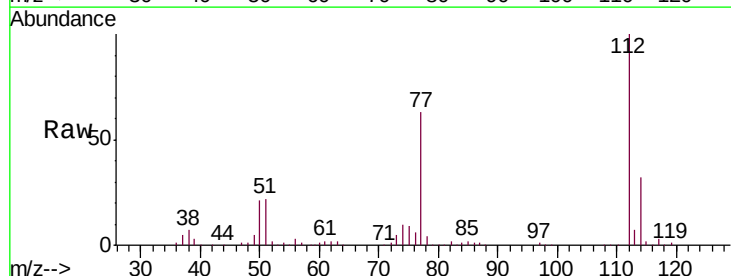
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

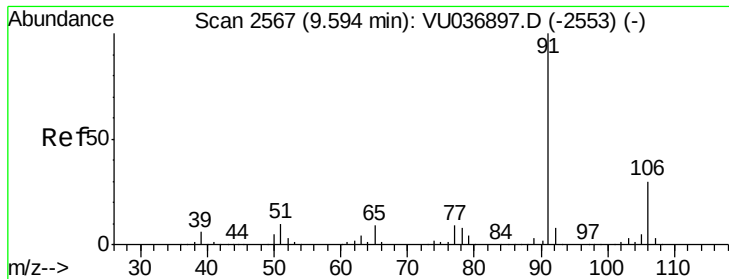
Tgt Ion:107 Resp: 100811
Ion Ratio Lower Upper
107 100
109 93.7 65.9 122.5
188 3.1 2.2 3.2



#51
Chlorobenzene
Concen: 54.066 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU036906.D
Acq: 25 Feb 2020 15:00

Tgt Ion:112 Resp: 258453
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 63.3 50.1 75.1





#52

Ethylbenzene

Concen: 54.272 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

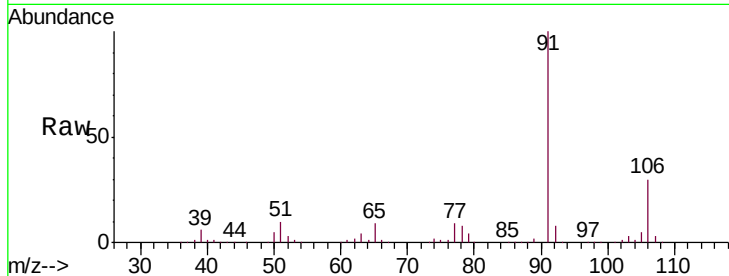
VSTD05057

Tgt Ion: 91 Resp: 474659

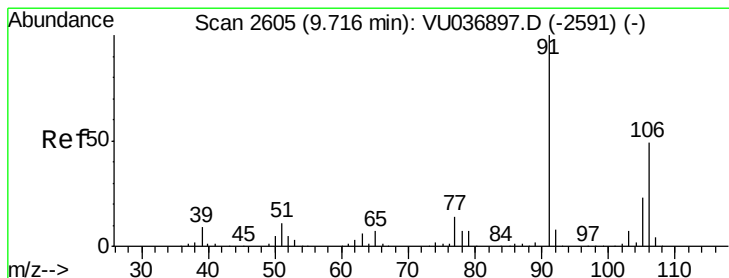
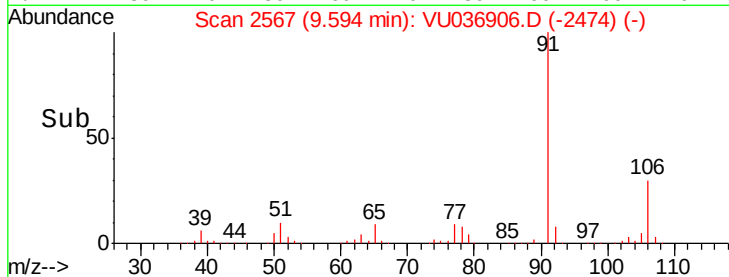
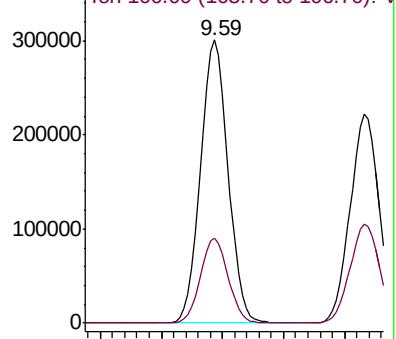
Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036897.D (-2553) (-)



#53

m,p-Xylene

Concen: 54.983 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036906.D

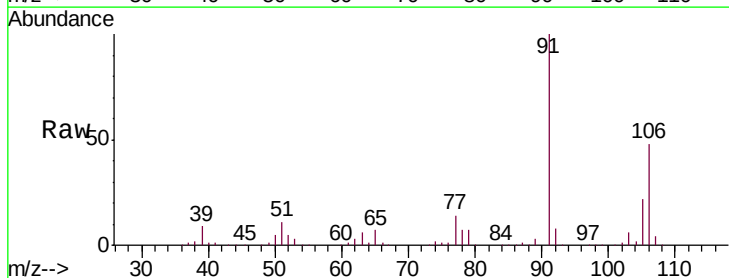
Acq: 25 Feb 2020 15:00

Tgt Ion: 106 Resp: 176395

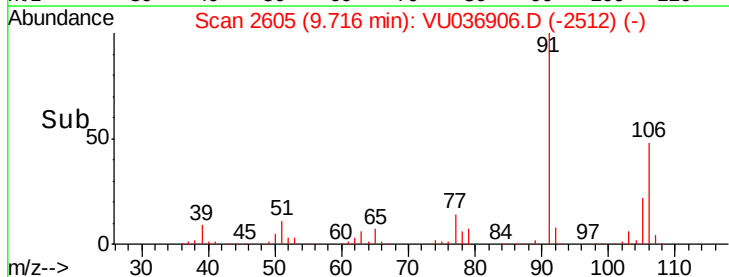
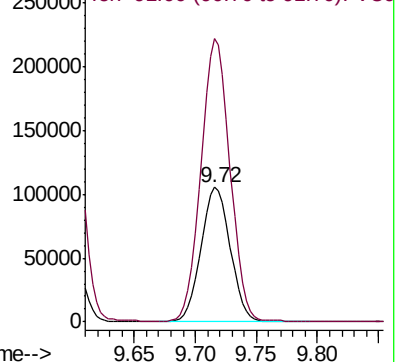
Ion Ratio Lower Upper

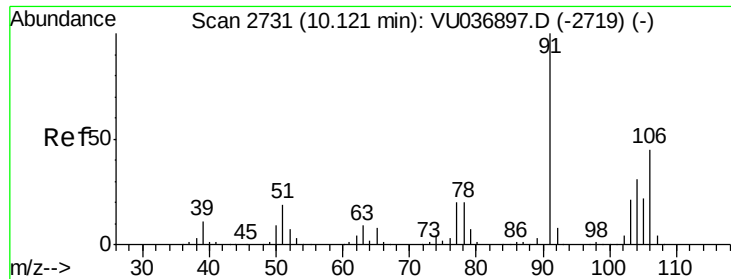
106 100

91 210.4 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036906.D (-2512) (-)





#54

o-xylene

Concen: 54.681 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

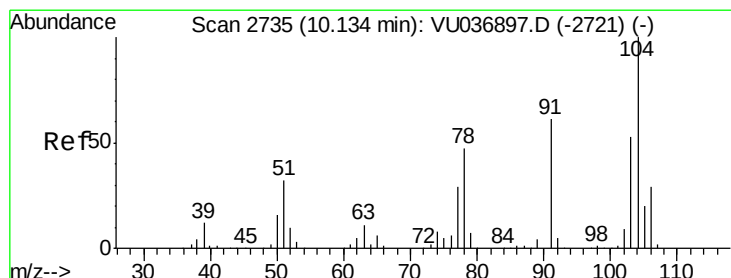
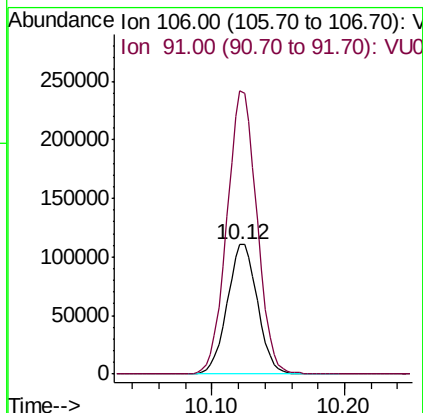
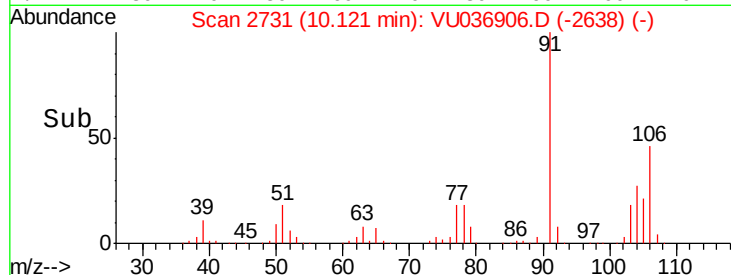
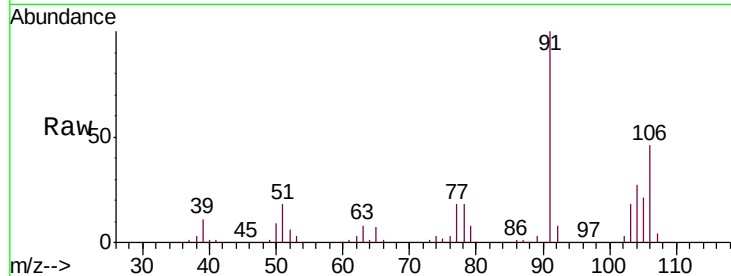
VSTD05057

Tgt Ion:106 Resp: 174966

Ion Ratio Lower Upper

106 100

91 218.2 154.2 286.4



#55

Styrene

Concen: 55.483 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU036906.D

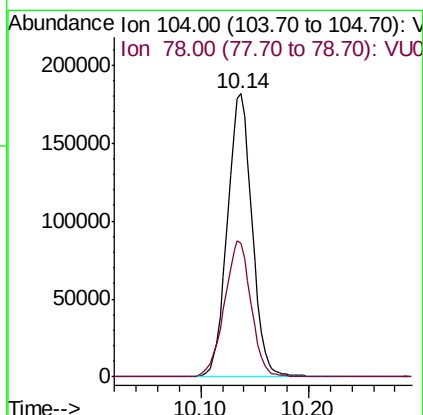
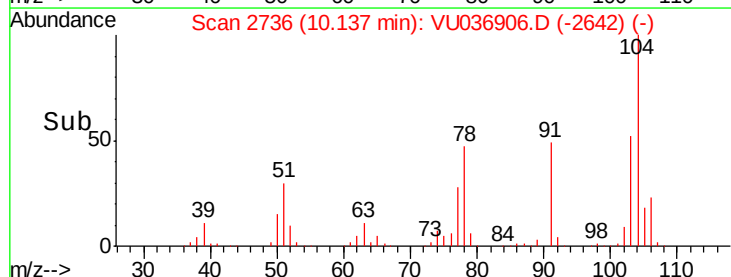
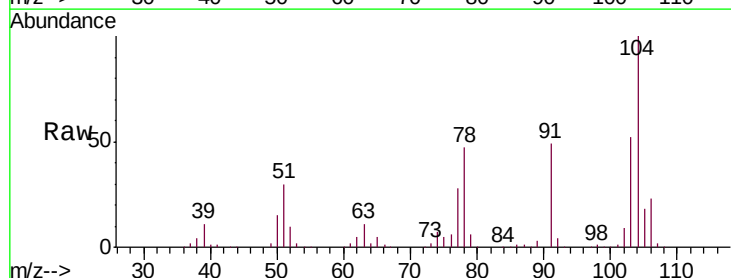
Acq: 25 Feb 2020 15:00

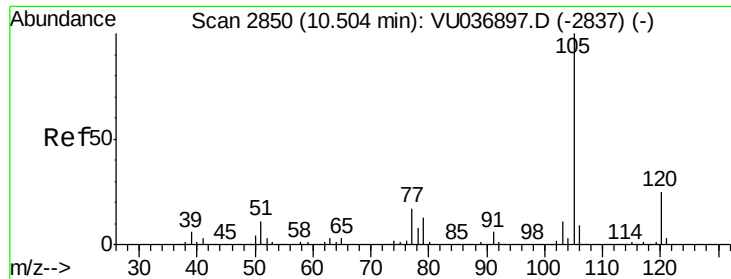
Tgt Ion:104 Resp: 290215

Ion Ratio Lower Upper

104 100

78 47.1 33.0 61.4





#56

Isopropylbenzene

Concen: 54.955 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

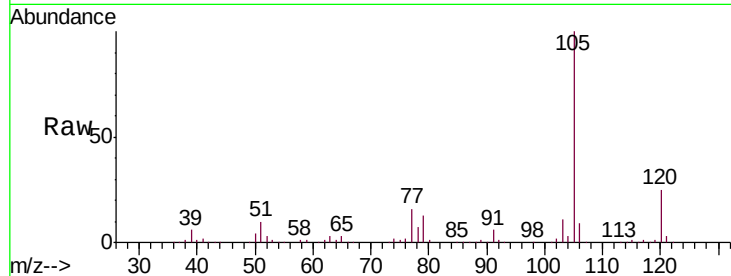
Tgt Ion:105 Resp: 451641

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

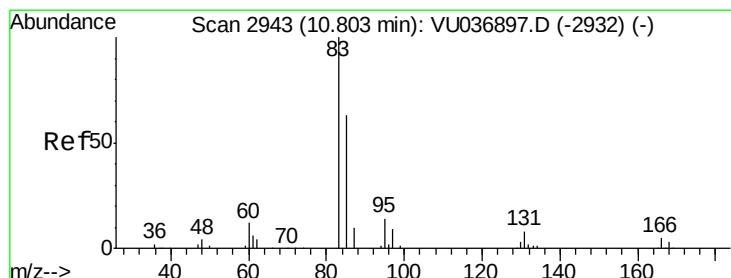
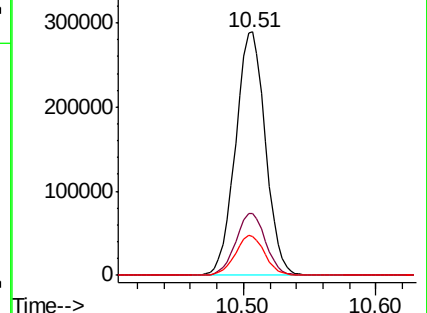
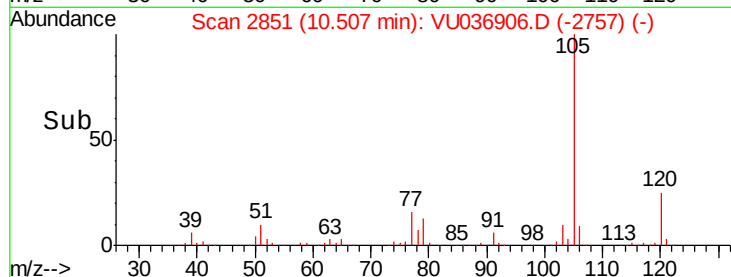
77 16.2 13.1 19.7



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: 53.608 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

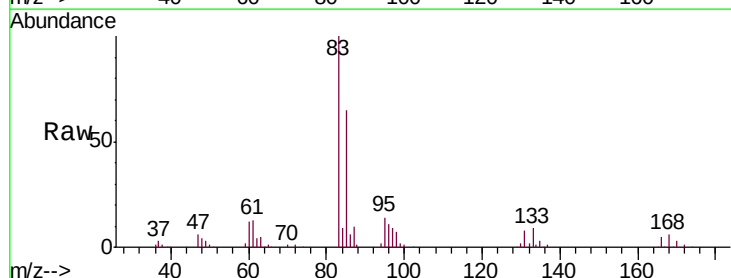
Tgt Ion: 83 Resp: 173773

Ion Ratio Lower Upper

83 100

85 64.5 45.5 84.5

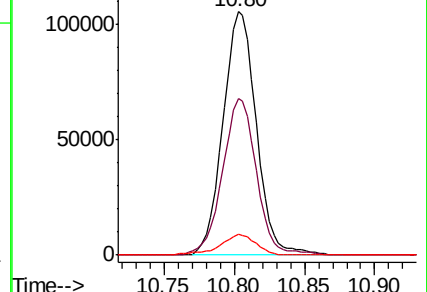
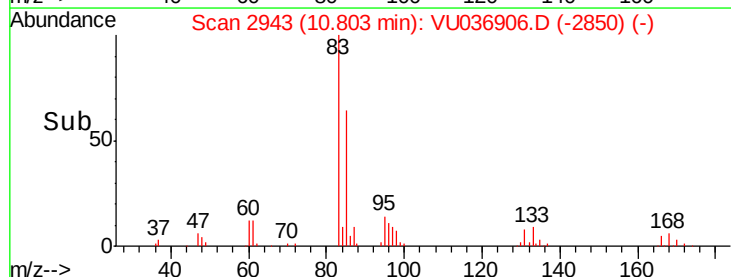
131 8.4 6.8 10.2

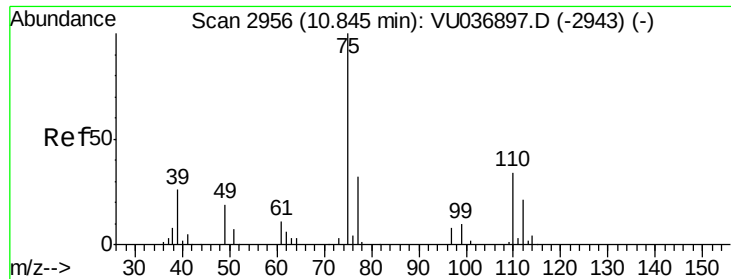


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.417 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

Instrument :

MSVOA_U

ClientSampleId :

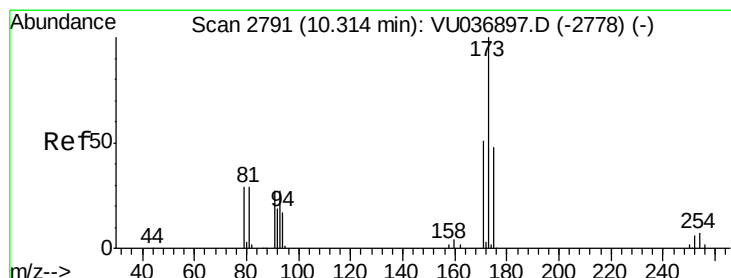
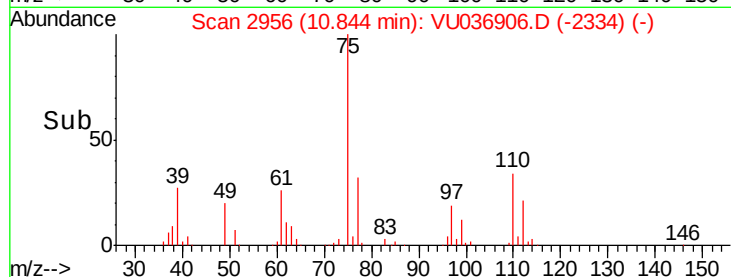
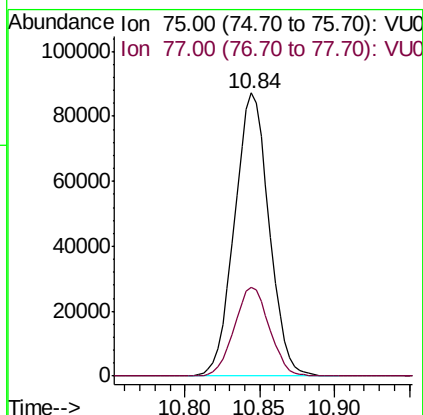
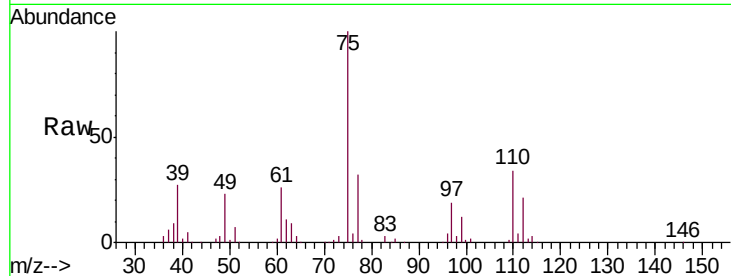
VSTD05057

Tgt Ion: 75 Resp: 140114

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#61

Bromoform

Concen: 51.659 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036906.D

Acq: 25 Feb 2020 15:00

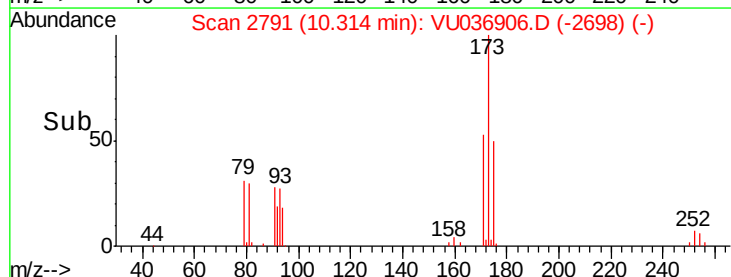
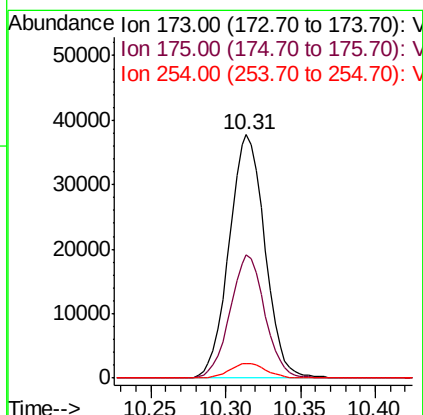
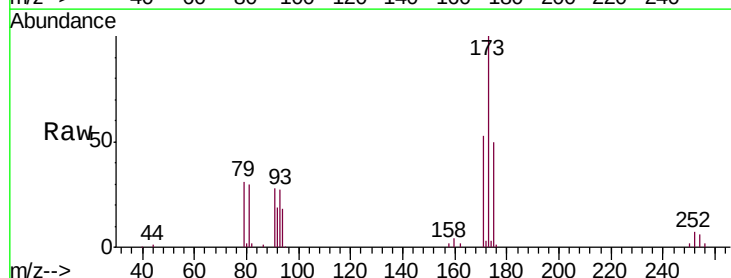
Tgt Ion: 173 Resp: 62829

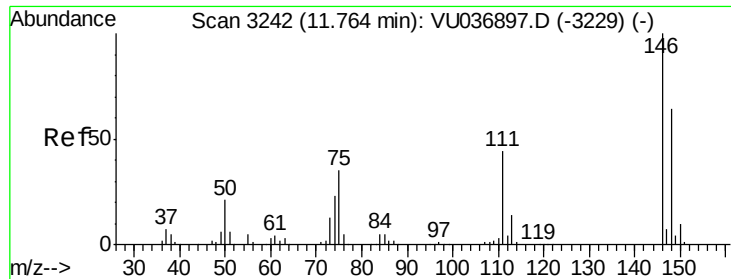
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 6.0 4.6 6.8

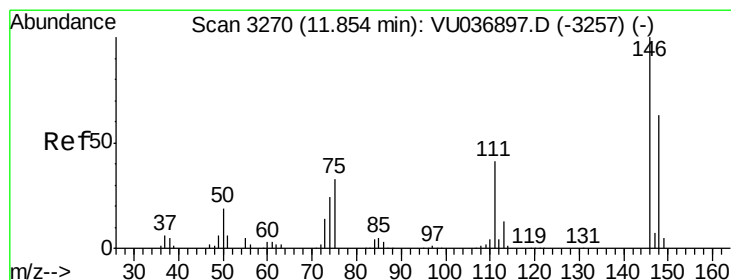
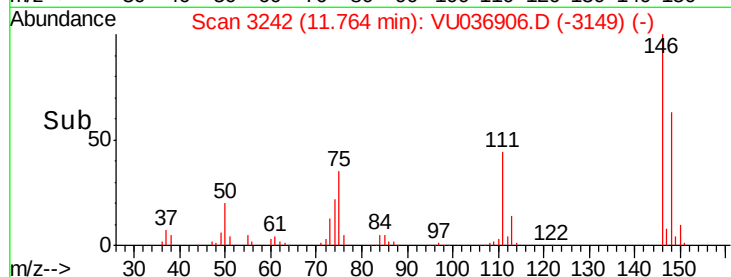
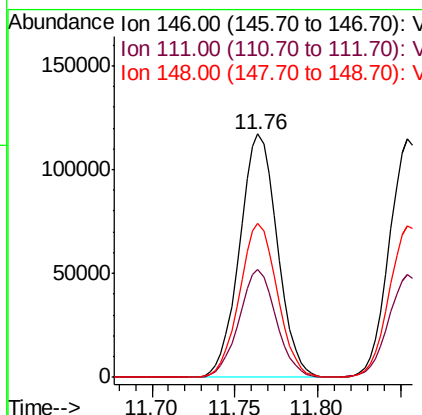
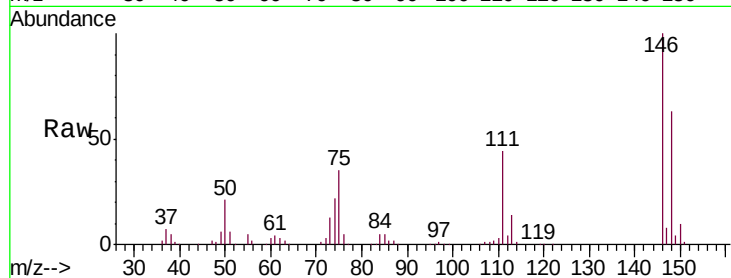




#62
 1,3-Dichlorobenzene
 Concen: 53.077 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

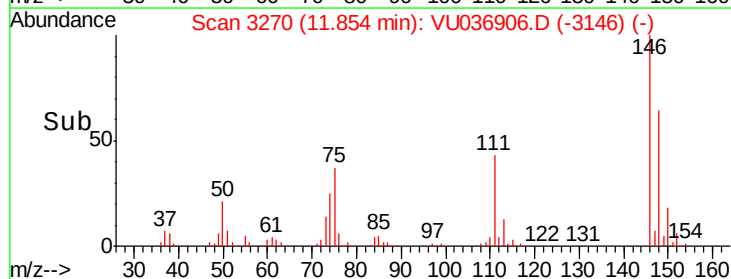
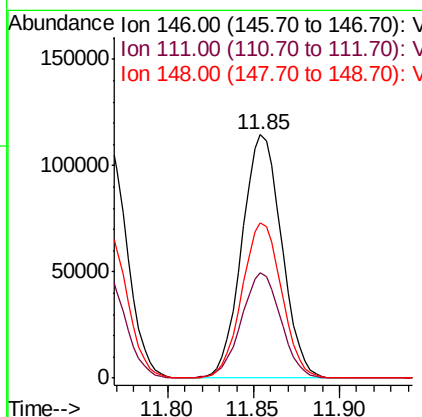
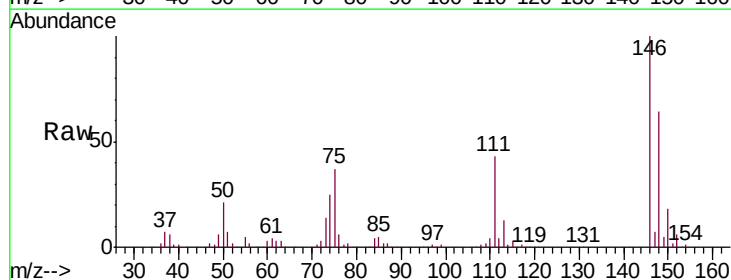
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

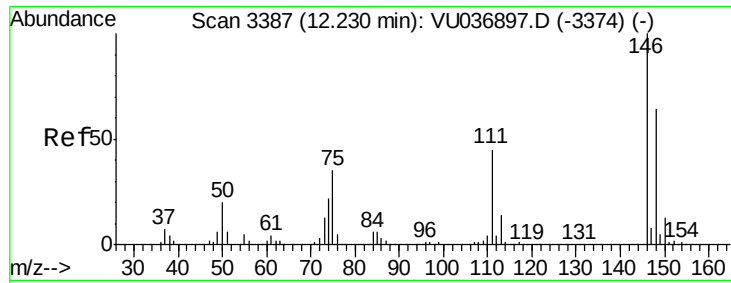
Tgt Ion:146 Resp: 185223
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.7 56.9
 148 63.4 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 53.231 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion:146 Resp: 183529
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.8 55.4
 148 63.8 45.1 83.9

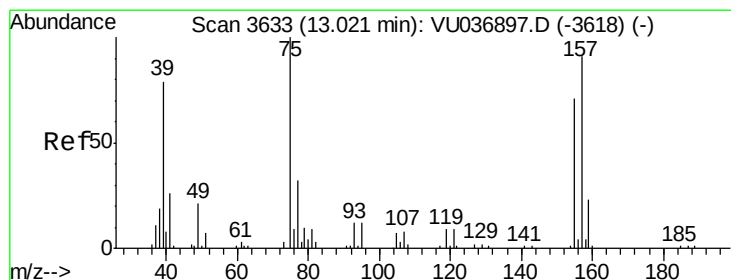
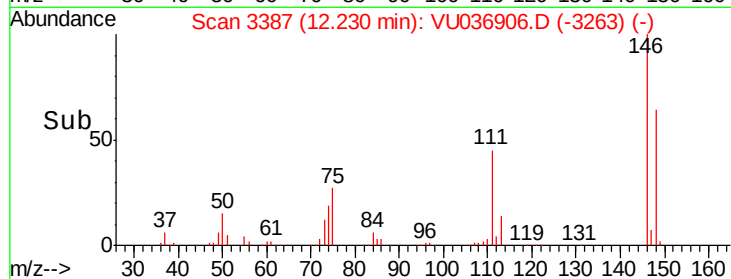
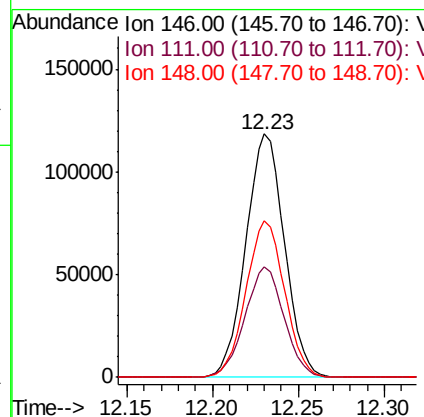
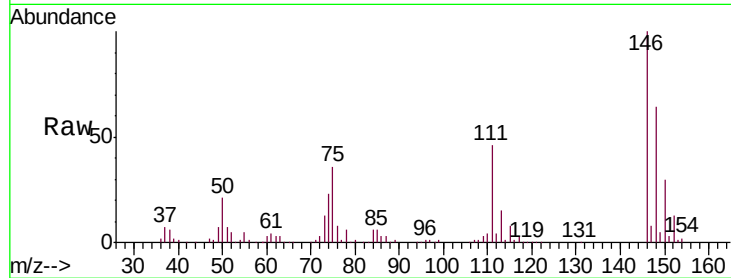




#65
 1,2-Dichlorobenzene
 Concen: 53.188 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion: 146 Resp: 185325
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.4 53.0
 148 64.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.067 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU036906.D
 Acq: 25 Feb 2020 15:00

Tgt Ion: 75 Resp: 35992
 Ion Ratio Lower Upper
 75 100
 155 75.4 55.7 83.5
 157 91.3 73.0 109.6

