

Data File : VU036958.D
Acq On : 27 Feb 2020 21:07
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Quant Time: Feb 27 22:06:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 22:00:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265837	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252404	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110639	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84212	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.44%
7) Chloroethane-d5	1.93	69	79085	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.62%
11) 1,1-Dichloroethene-d2	2.59	63	156723	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.84%
21) 2-Butanone-d5	4.67	46	159306	106.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.38%
24) Chloroform-d	5.11	84	164680	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
26) 1,2-Dichloroethane-d4	5.74	65	109436	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.76	84	338905	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
36) 1,2-Dichloropropane-d6	6.72	67	111803	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.93	98	307239	45.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.74%
43) trans-1,3-Dichloropropene-	8.20	79	48851	44.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.90%
47) 2-Hexanone-d5	8.66	63	118364	102.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.37%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	169679	50.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	103281	47.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	108938	48.313	ug/L 100
3) Chloromethane	1.54	50	125844	48.511	ug/L 99
5) Vinyl chloride	1.62	62	130944	48.936	ug/L 100
6) Bromomethane	1.87	94	65030	47.368	ug/L 100
8) Chloroethane	1.95	64	78991	49.247	ug/L 98
9) Trichlorofluoromethane	2.16	101	140683	49.573	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82057	48.336	ug/L 99
12) 1,1-Dichloroethene	2.61	96	81906	47.702	ug/L 85
13) Acetone	2.66	43	103255	67.036	ug/L 97
14) Carbon disulfide	2.82	76	249044	45.842	ug/L 99
15) Methyl Acetate	2.98	43	118524	50.484	ug/L 100
16) Methylene chloride	3.08	84	101011	48.232	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	89373	48.453	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	290975	48.530	ug/L 98
19) 1,1-Dichloroethane	3.91	63	175610	48.997	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	99950	48.461	ug/L 99
22) 2-Butanone	4.75	43	168397	90.663	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46497	49.781	ug/L	99
25) Chloroform	5.13	83	169829	49.109	ug/L	100
27) 1,2-Dichloroethane	5.83	62	138722	49.273	ug/L	99
29) Cyclohexane	5.43	56	158349	47.276	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	134487	49.697	ug/L	100
31) Carbon tetrachloride	5.56	117	102693	48.415	ug/L	100
33) Benzene	5.81	78	394182	49.434	ug/L	100
34) Trichloroethene	6.57	95	95399	48.677	ug/L	99
35) Methylcyclohexane	6.79	83	158743	46.717	ug/L	99
37) 1,2-Dichloropropane	6.82	63	105662	49.214	ug/L	99
38) Bromodichloromethane	7.13	83	124281	49.040	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	158680	47.979	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	319685	101.050	ug/L	100
42) Toluene	8.00	91	421202	49.581	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	136820	47.690	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	94385	49.436	ug/L	98
46) Tetrachloroethene	8.57	164	61534	47.661	ug/L	98
48) 2-Hexanone	8.71	43	243646	96.510	ug/L	98
49) Dibromochloromethane	8.83	129	87716	48.404	ug/L	99
50) 1,2-Dibromoethane	8.95	107	99156	49.665	ug/L	98
51) Chlorobenzene	9.47	112	245066	48.686	ug/L	100
52) Ethylbenzene	9.59	91	447880	48.634	ug/L	99
53) m,p-Xylene	9.71	106	165932	49.120	ug/L	99
54) o-xylene	10.12	106	163452	48.513	ug/L	98
55) Styrene	10.13	104	270963	49.197	ug/L	100
56) Isopropylbenzene	10.50	105	423086	48.891	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	166425	48.758	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	139108	50.366	ug/L	98
61) Bromoform	10.31	173	60284	48.194	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	171910	47.898	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169556	47.816	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	175948	49.098	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35434	49.840	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	112903	49.559	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	84134	49.292	ug/L	99
69) Naphthalene	14.12	128	135550	44.988	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	85885	50.353	ug/L	98

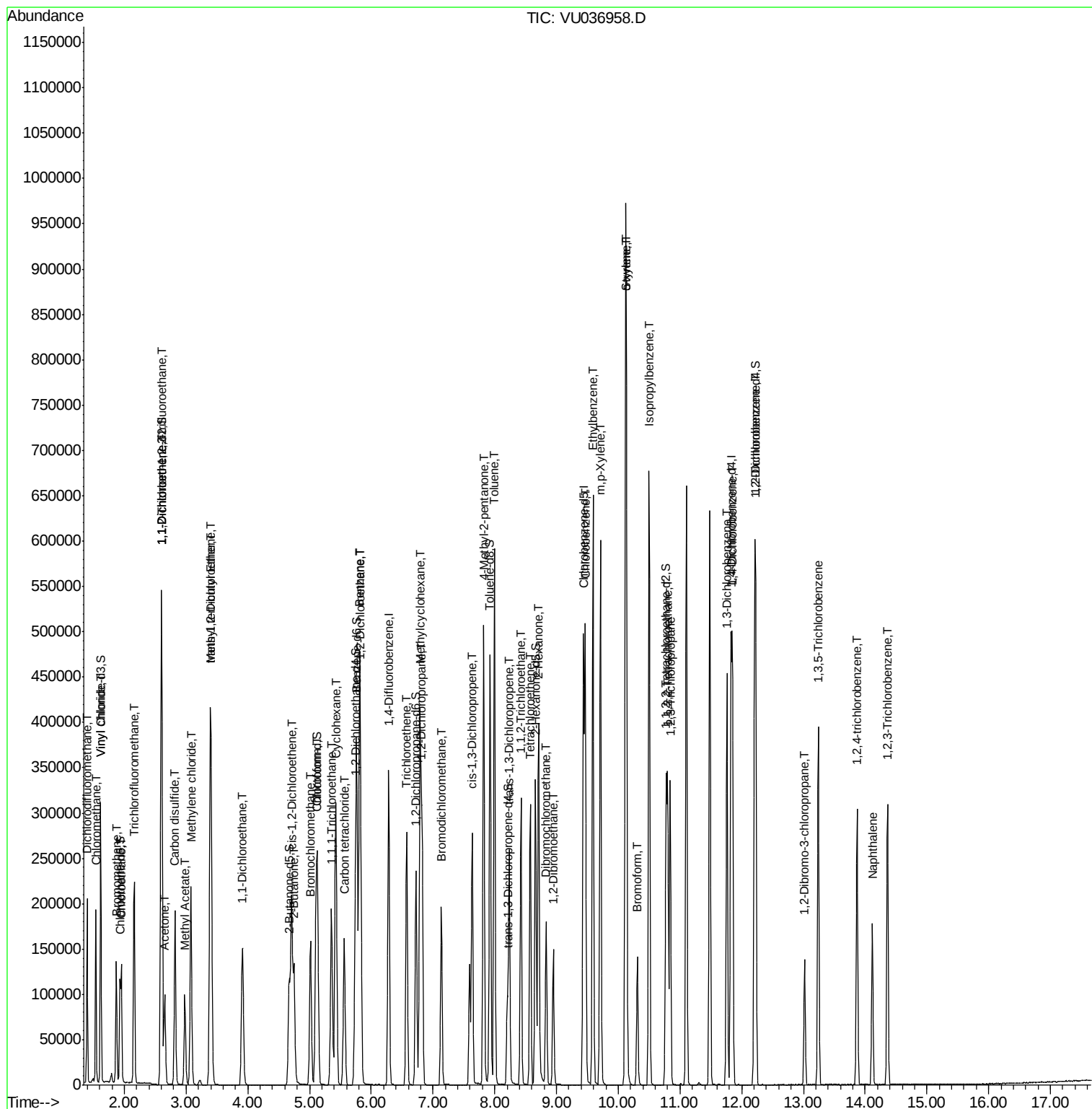
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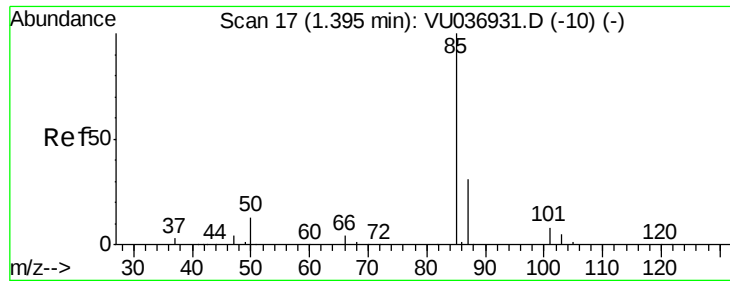
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#2

Dichlorodifluoromethane

Concen: 48.313 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

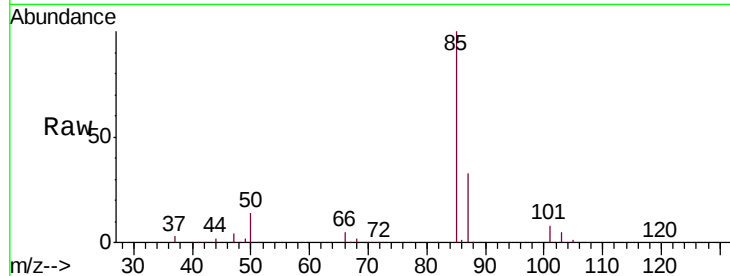
VSTD05038

Tgt Ion: 85 Resp: 108938

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036931.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036931.D (-10) (-)

1.39

120000

100000

80000

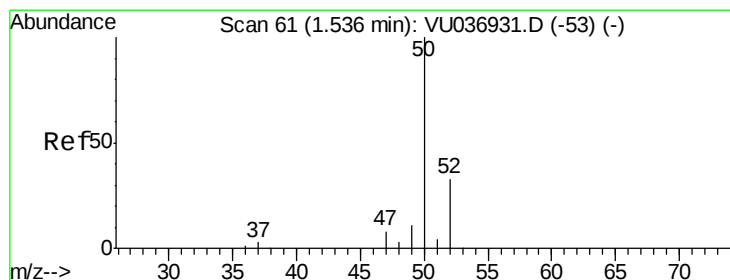
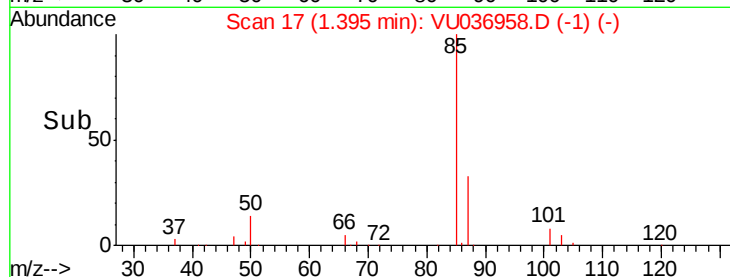
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 48.511 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036958.D

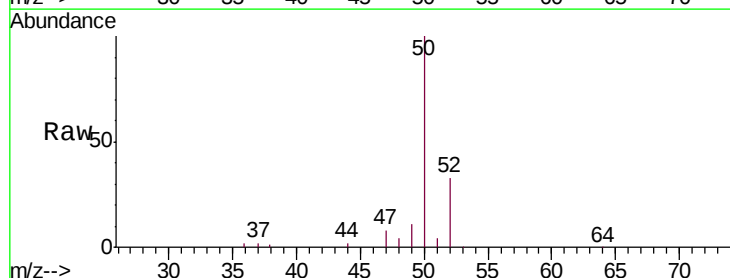
Acq: 27 Feb 2020 21:07

Tgt Ion: 50 Resp: 125844

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036931.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036931.D (-53) (-)

1.54

120000

100000

80000

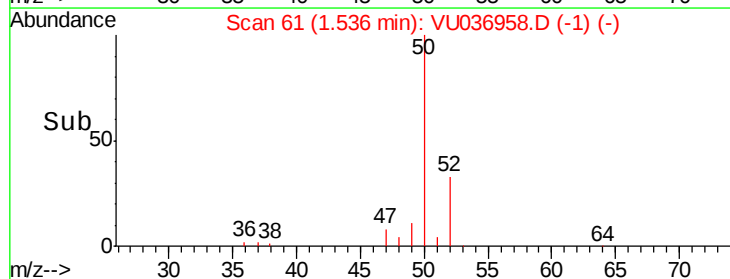
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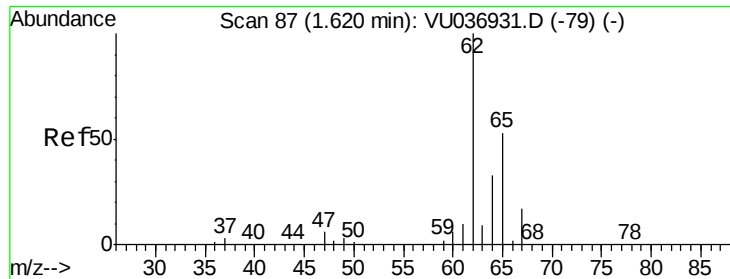
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 48.936 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

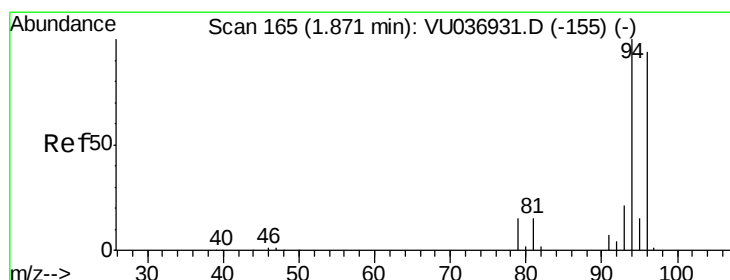
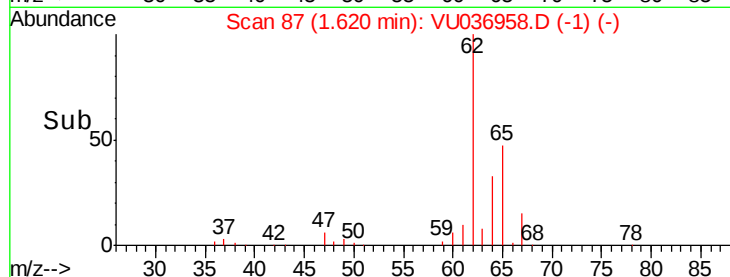
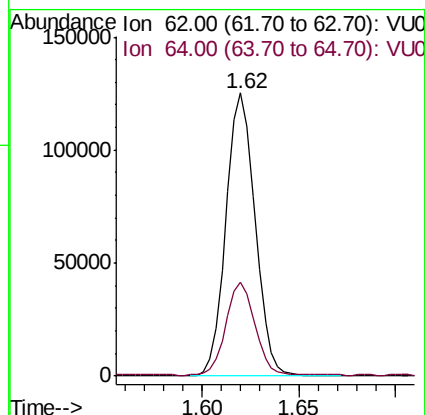
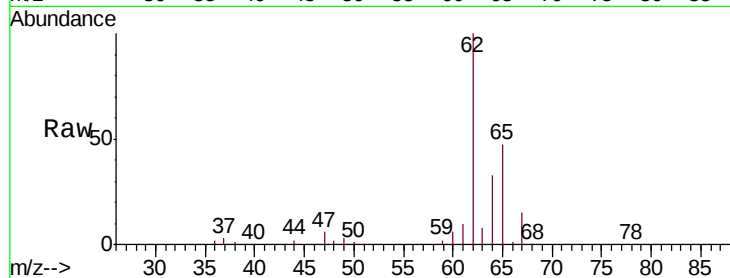
VSTD05038

Tgt Ion: 62 Resp: 130944

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 47.368 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036958.D

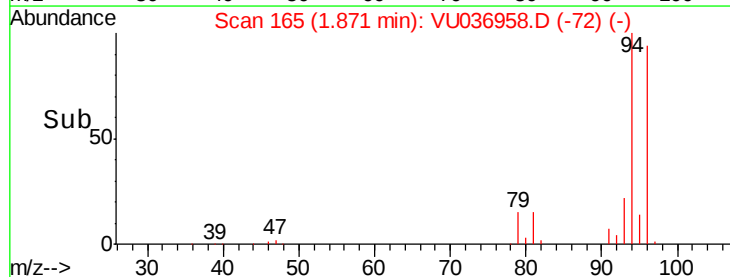
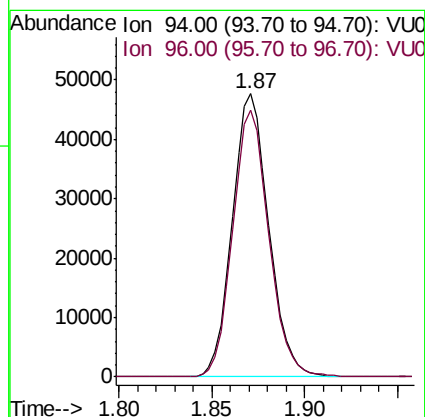
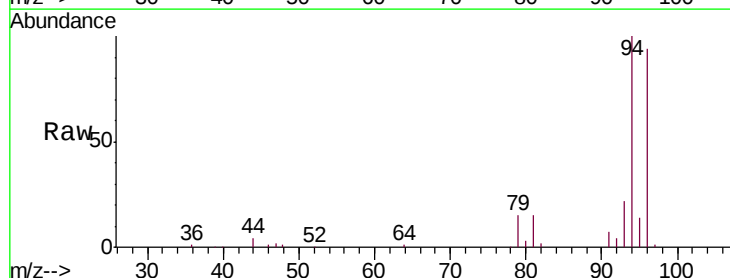
Acq: 27 Feb 2020 21:07

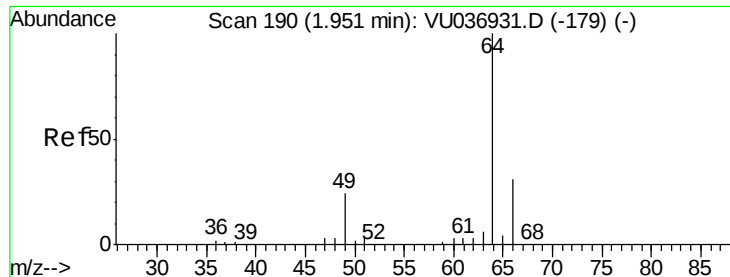
Tgt Ion: 94 Resp: 65030

Ion Ratio Lower Upper

94 100

96 94.2 66.1 122.8





#8

Chloroethane

Concen: 49.247 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

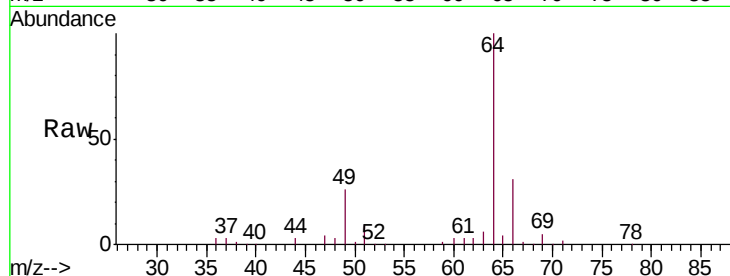
VSTD05038

Tgt Ion: 64 Resp: 78991

Ion Ratio Lower Upper

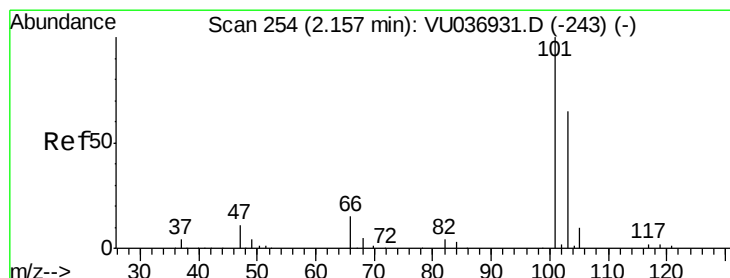
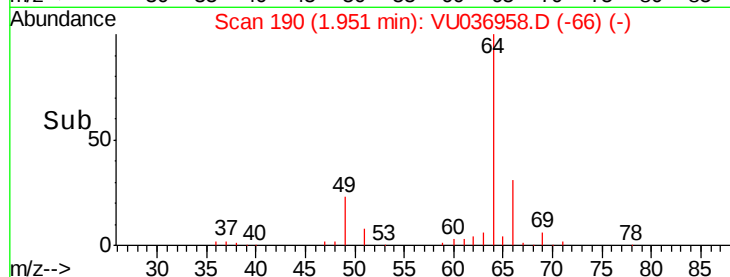
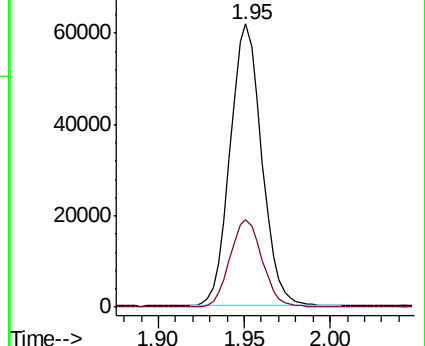
64 100

66 31.1 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036931.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036931.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 49.573 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036958.D

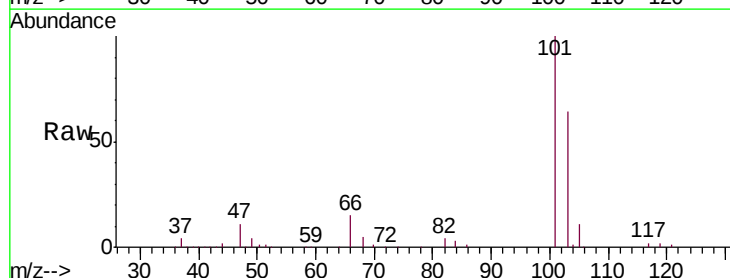
Acq: 27 Feb 2020 21:07

Tgt Ion: 101 Resp: 140683

Ion Ratio Lower Upper

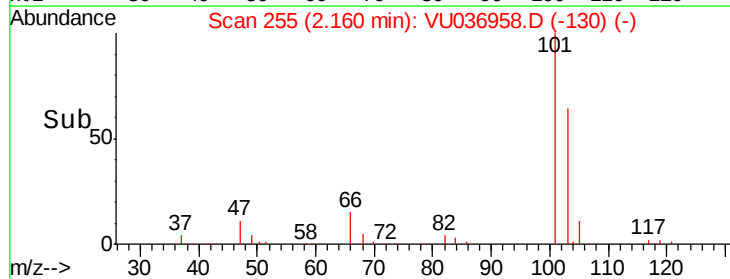
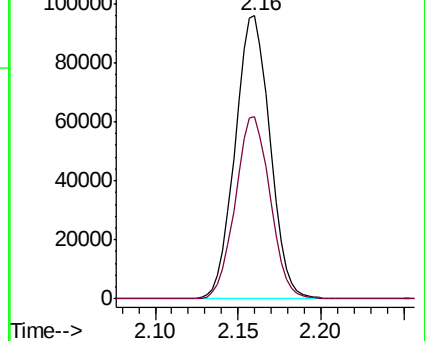
101 100

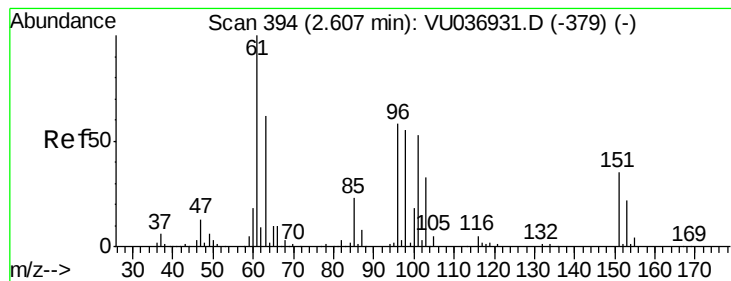
103 64.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036931.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036931.D (-243) (-)





#10

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

Concen: 48.336 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

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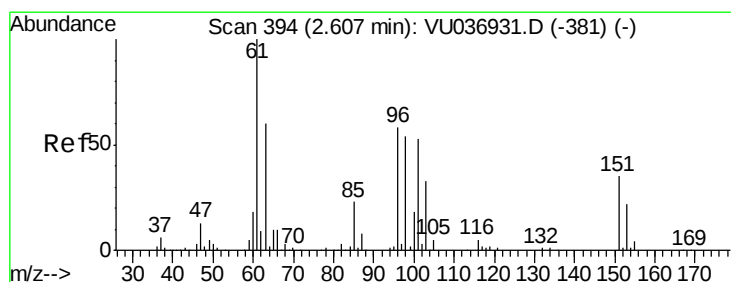
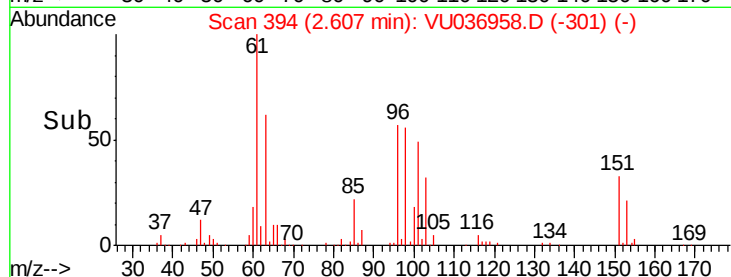
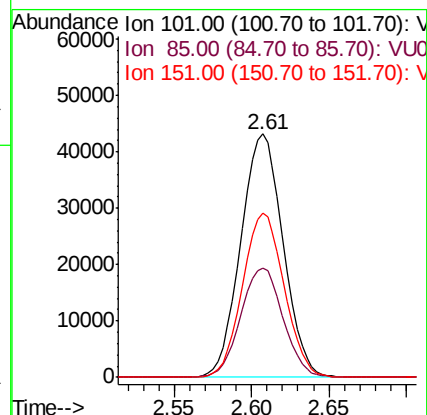
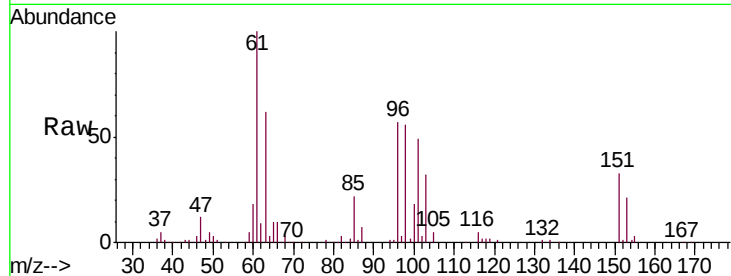
Tgt Ion: 101 Resp: 82057

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

151 66.7 52.4 78.6



#12

1,1-Dichloroethene

Concen: 47.702 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

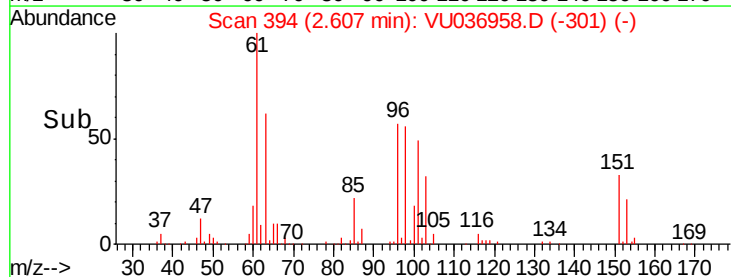
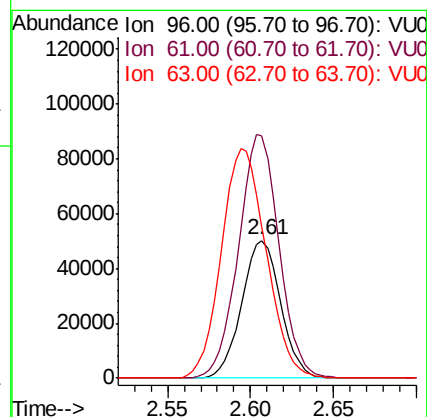
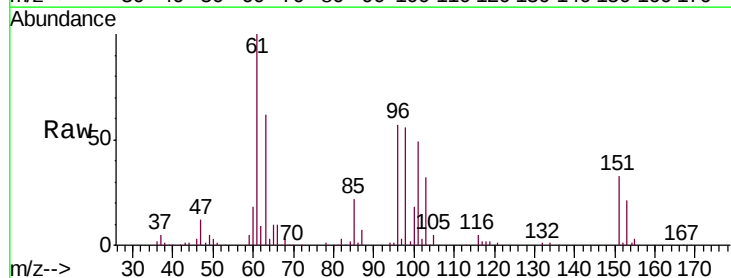
Tgt Ion: 96 Resp: 81906

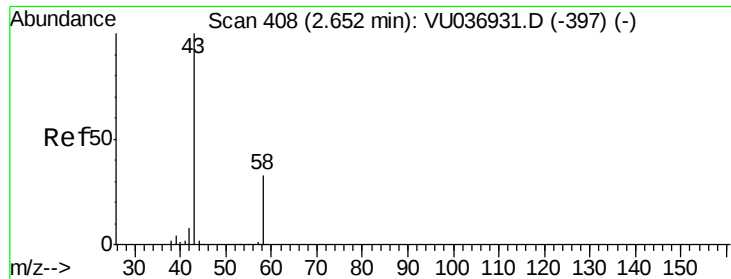
Ion Ratio Lower Upper

96 100

61 175.8 127.5 236.7

63 109.5 101.4 188.2





#13

Acetone

Concen: 67.036 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

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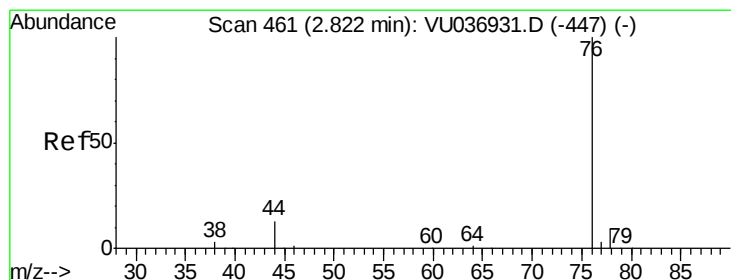
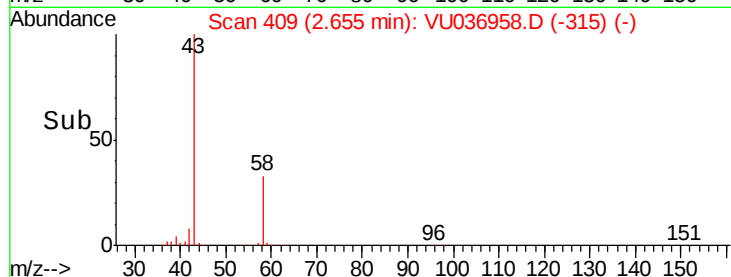
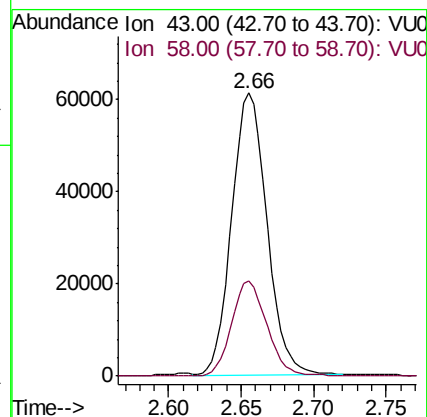
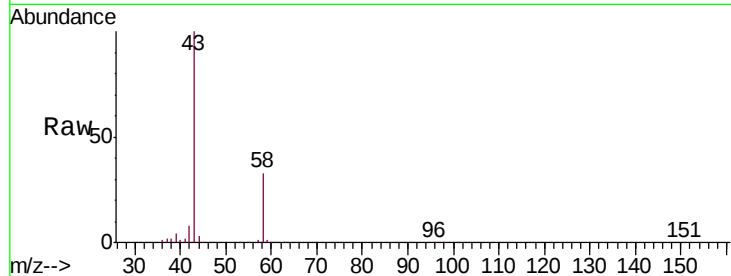
VSTD05038

Tgt Ion: 43 Resp: 103255

Ion Ratio Lower Upper

43 100

58 33.9 0.0 64.6



#14

Carbon disulfide

Concen: 45.842 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036958.D

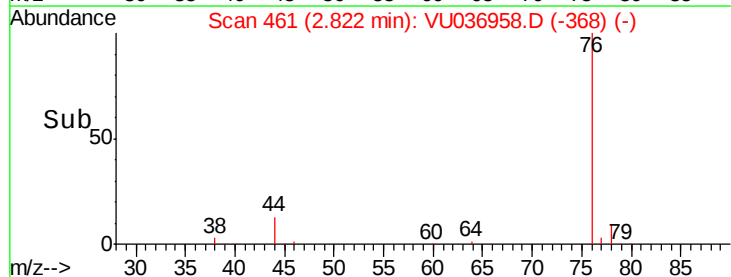
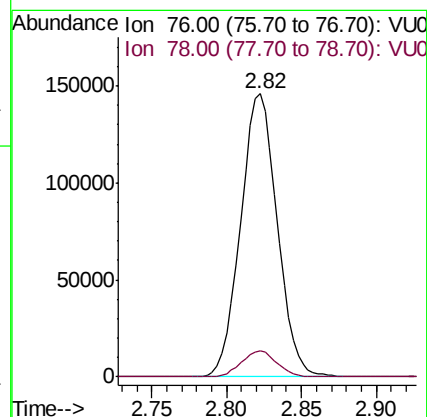
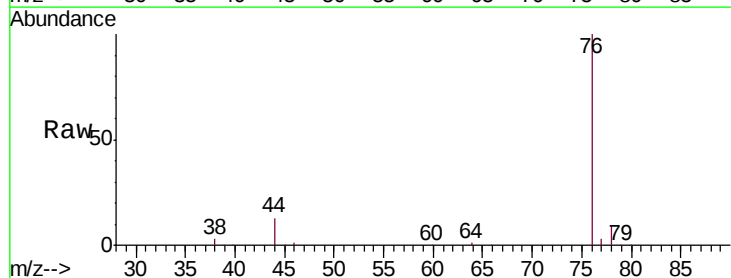
Acq: 27 Feb 2020 21:07

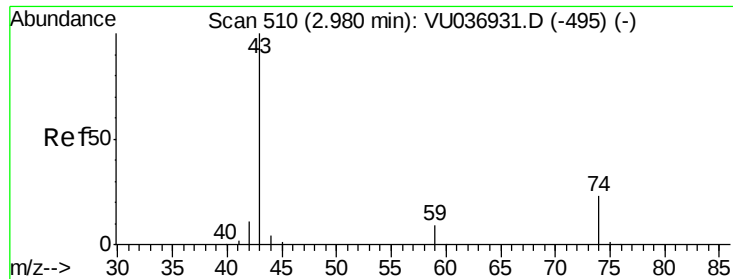
Tgt Ion: 76 Resp: 249044

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

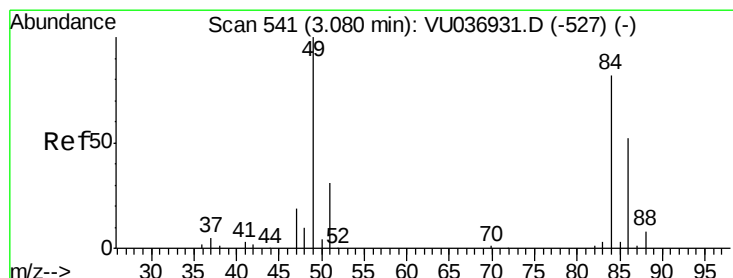
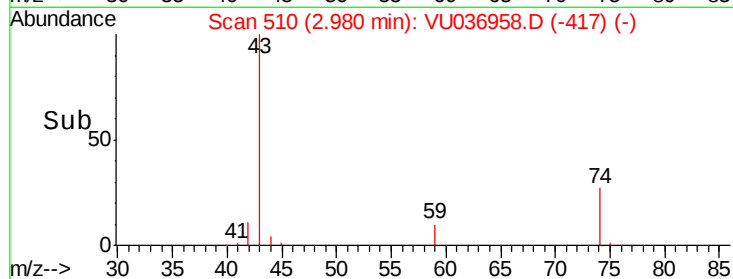
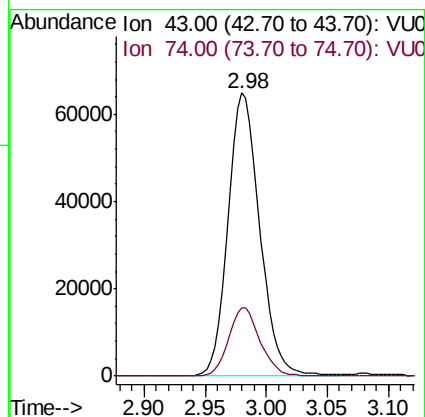
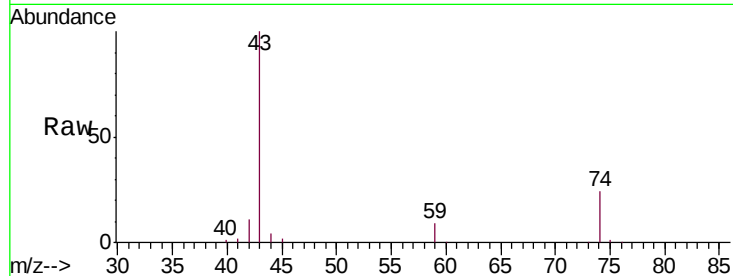




#15
Methyl Acetate
Concen: 50.484 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

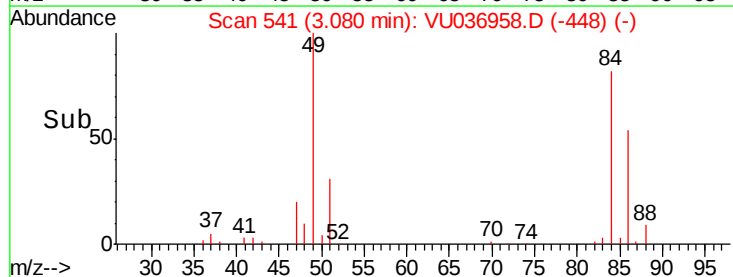
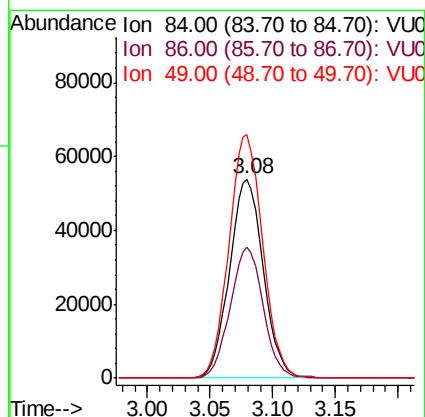
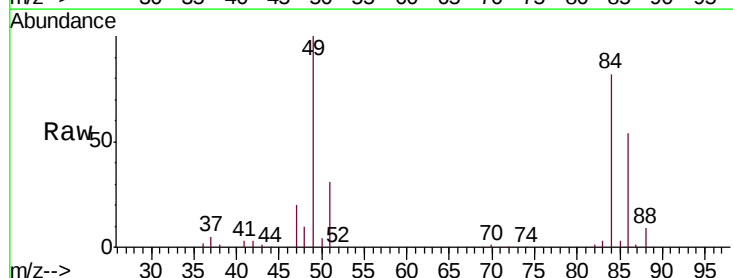
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

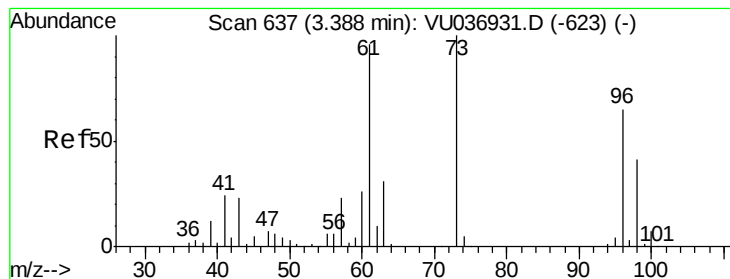
Tgt Ion: 43 Resp: 118524
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 48.232 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

Tgt Ion: 84 Resp: 101011
Ion Ratio Lower Upper
84 100
86 65.6 44.4 82.5
49 122.3 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 48.453 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

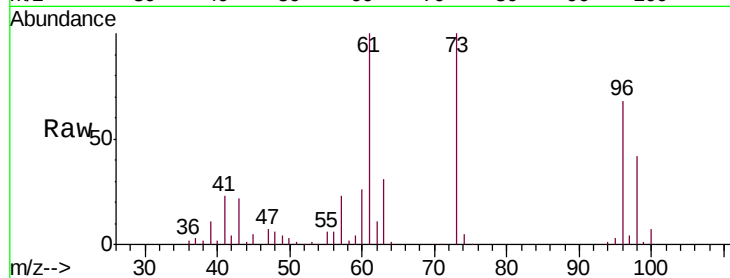
Tgt Ion: 96 Resp: 89373

Ion Ratio Lower Upper

96 100

61 146.1 103.8 192.8

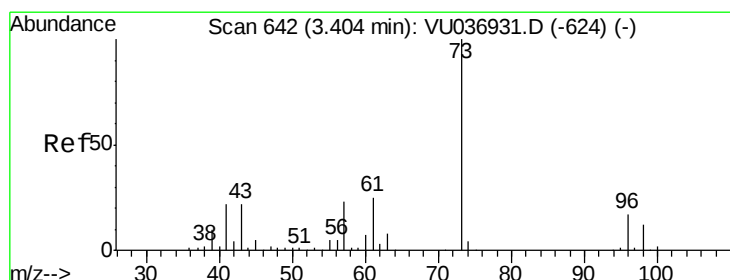
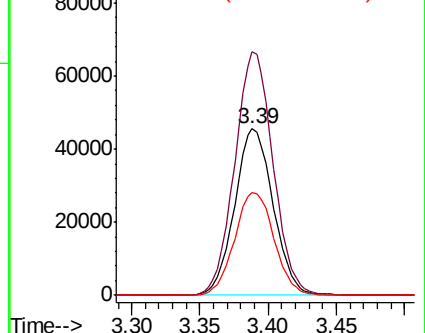
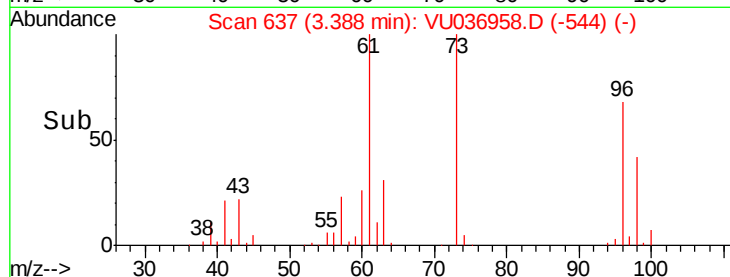
98 62.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036958.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036958.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036958.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 48.530 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

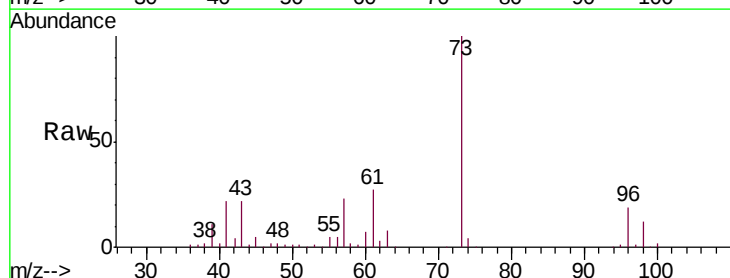
Tgt Ion: 73 Resp: 290975

Ion Ratio Lower Upper

73 100

43 22.0 18.1 27.1

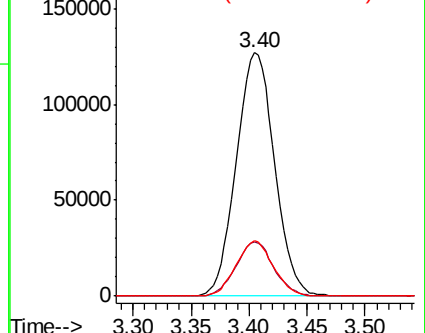
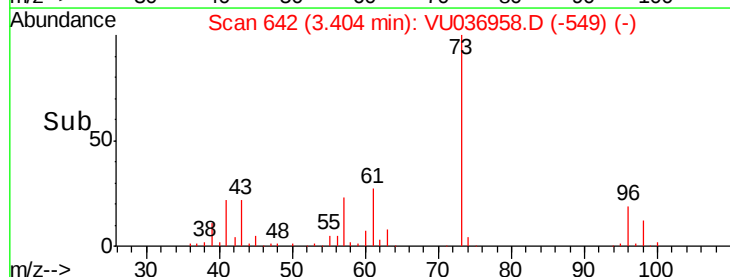
57 22.1 18.4 27.6

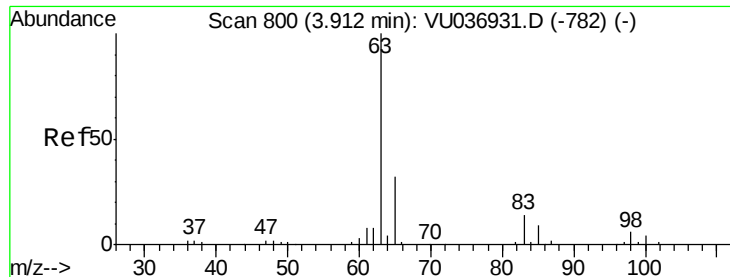


Abundance Ion 73.00 (72.70 to 73.70): VU036958.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036958.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036958.D (-549) (-)

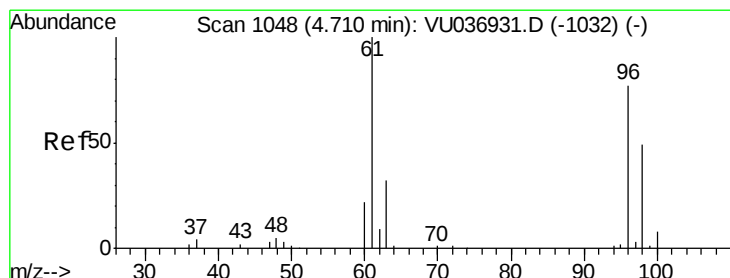
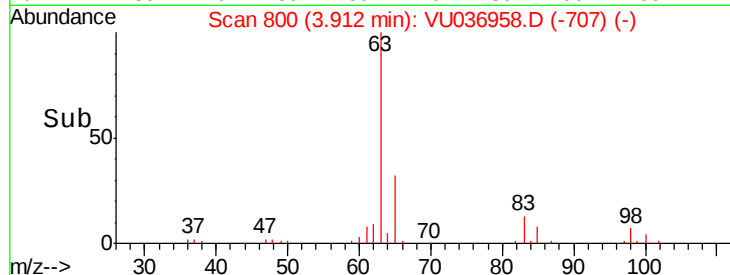
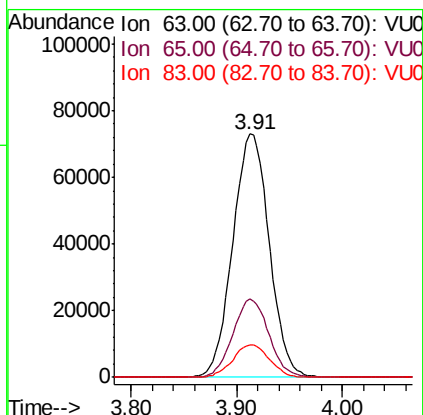
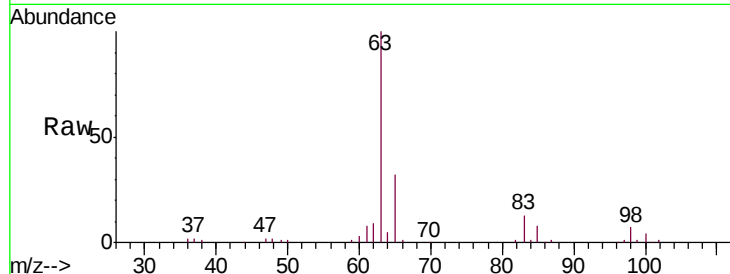




#19
 1,1-Dichloroethane
 Concen: 48.997 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

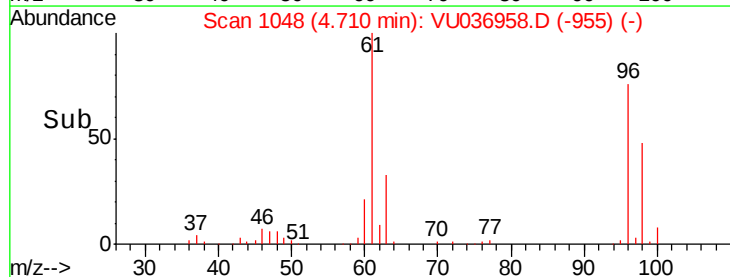
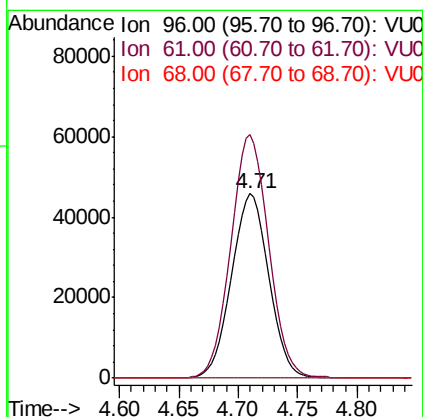
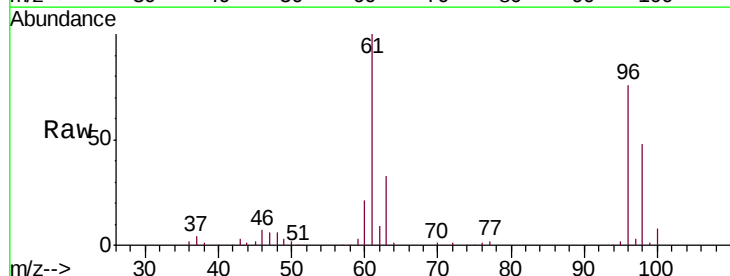
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

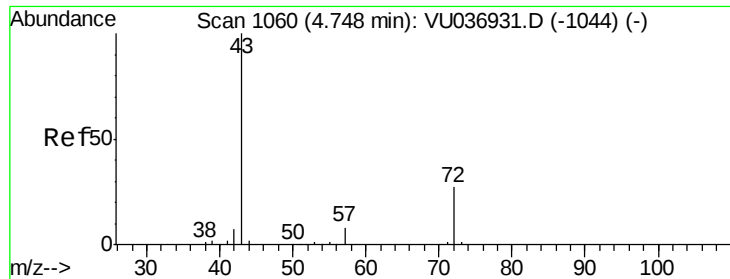
Tgt Ion: 63 Resp: 175610
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.5
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 48.461 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion: 96 Resp: 99950
 Ion Ratio Lower Upper
 96 100
 61 132.2 93.1 172.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.663 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

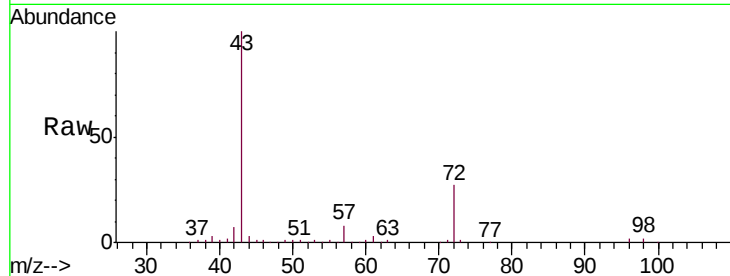
VSTD05038

Tgt Ion: 43 Resp: 168397

Ion Ratio Lower Upper

43 100

72 27.6 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036958.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU036958.D (-967) (-)

Time-->

4.65 4.70 4.75 4.80 4.85

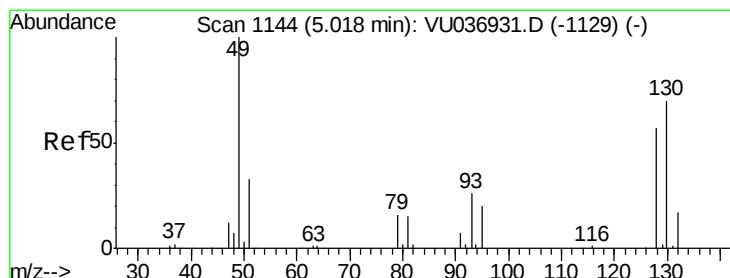
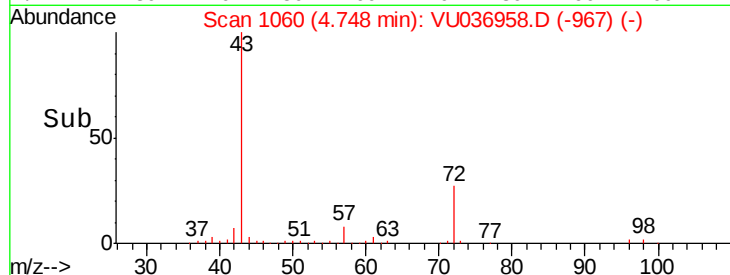
80000

60000

40000

20000

0



#23

Bromochloromethane

Concen: 49.781 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Tgt Ion: 128 Resp: 46497

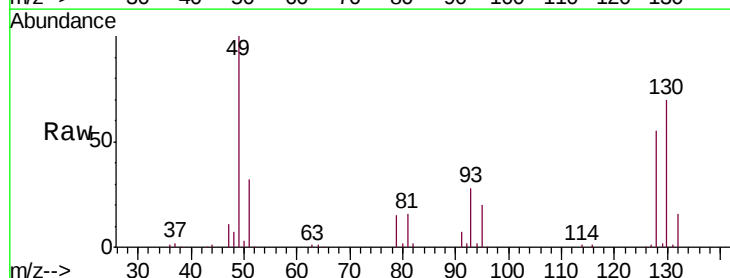
Ion Ratio Lower Upper

128 100

49 181.3 126.5 234.9

130 126.0 86.0 159.8

51 57.9 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036958.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036958.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036958.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036958.D (-1051) (-)

Time-->

4.95 5.00 5.05 5.10

60000

50000

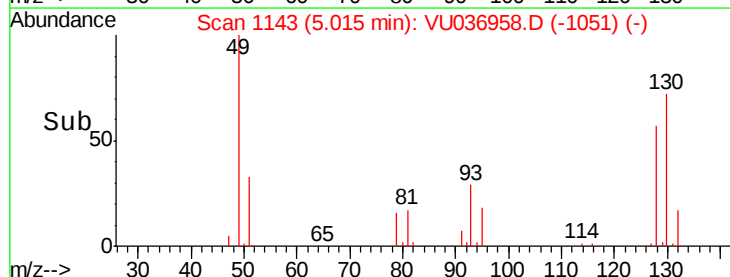
40000

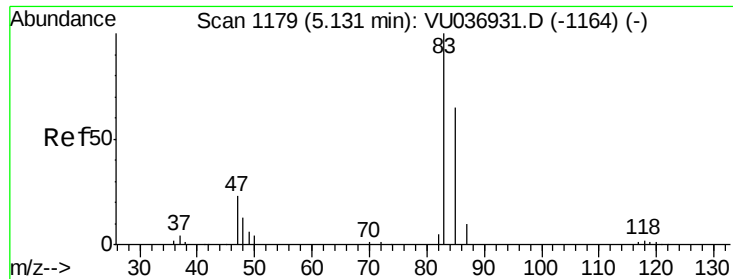
30000

20000

10000

0

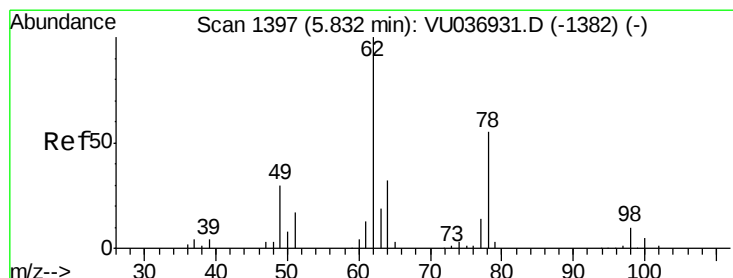
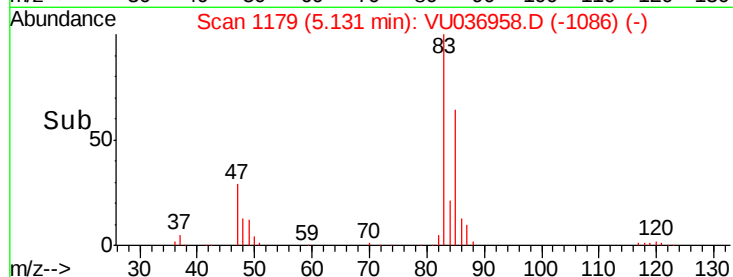
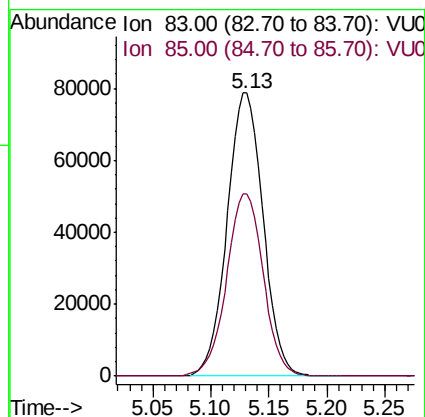
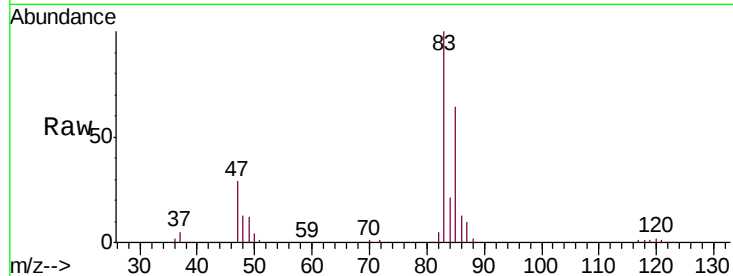




#25
Chloroform
Concen: 49.109 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

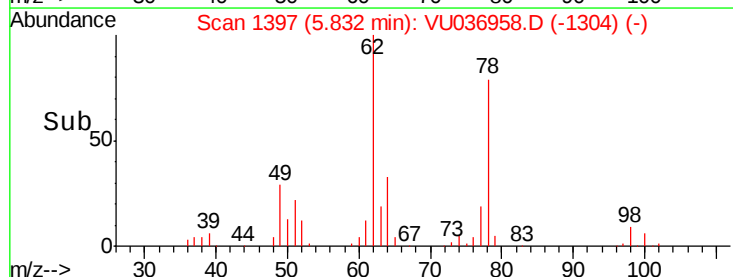
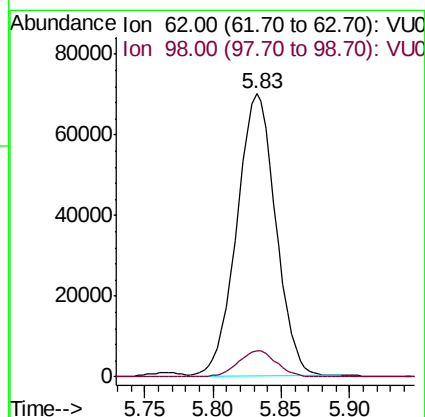
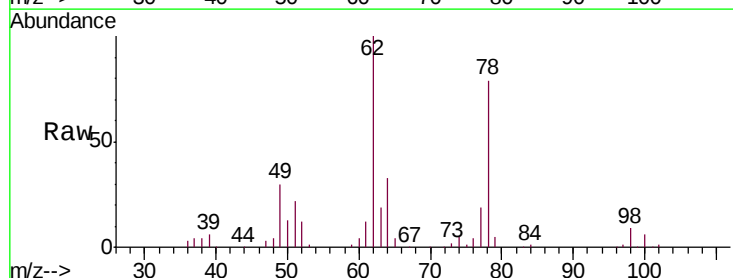
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

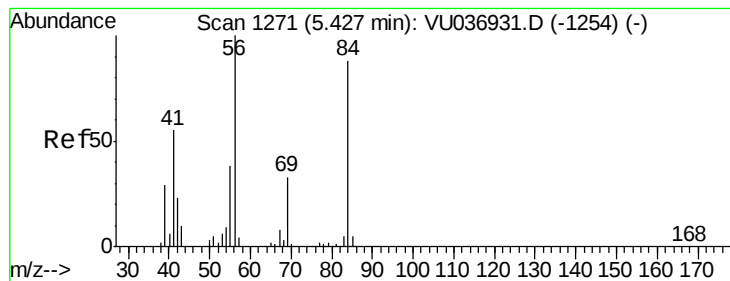
Tgt Ion: 83 Resp: 169829
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.273 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

Tgt Ion: 62 Resp: 138722
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7





#29

Cyclohexane

Concen: 47.276 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

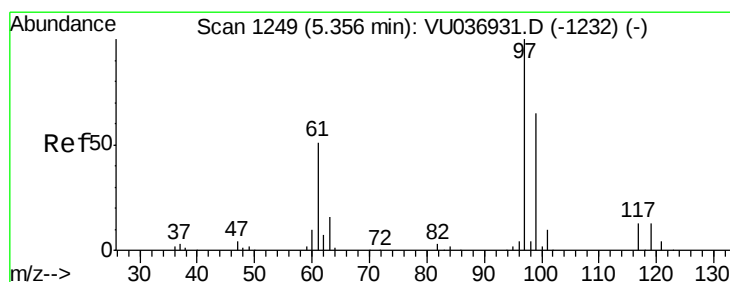
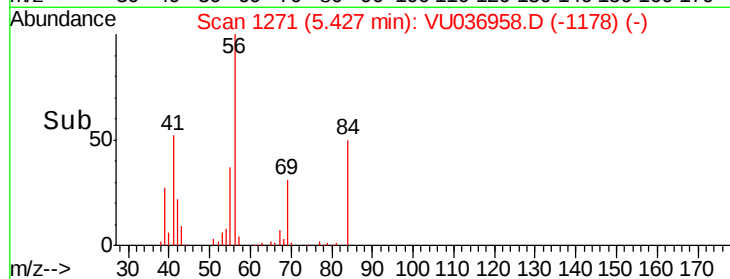
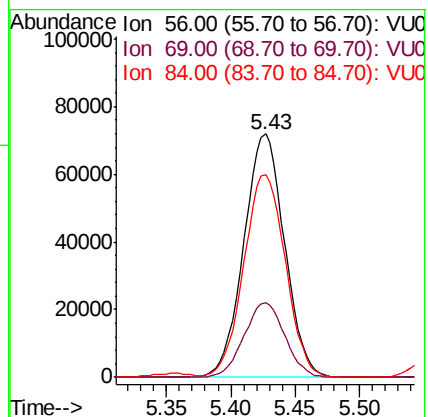
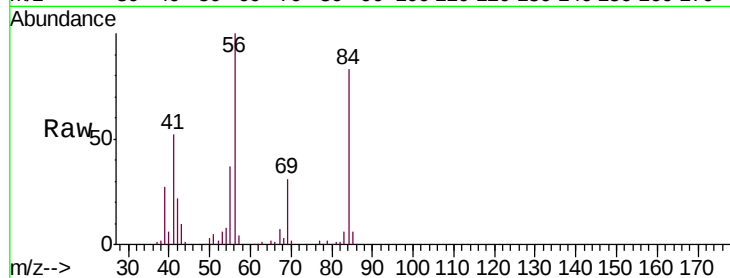
Tgt Ion: 56 Resp: 158349

Ion Ratio Lower Upper

56 100

69 30.9 24.6 37.0

84 85.5 67.0 100.4



#30

1,1,1-Trichloroethane

Concen: 49.697 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

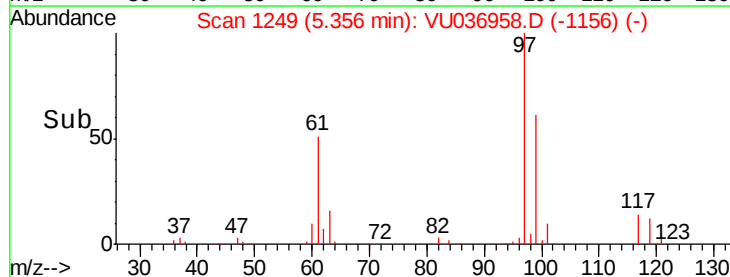
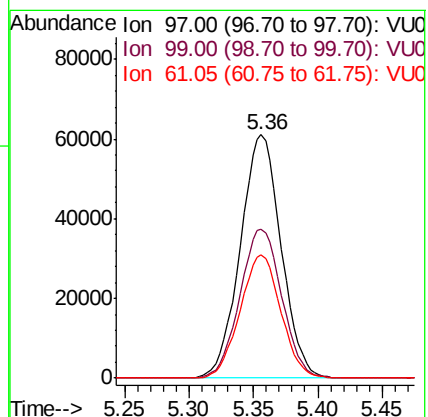
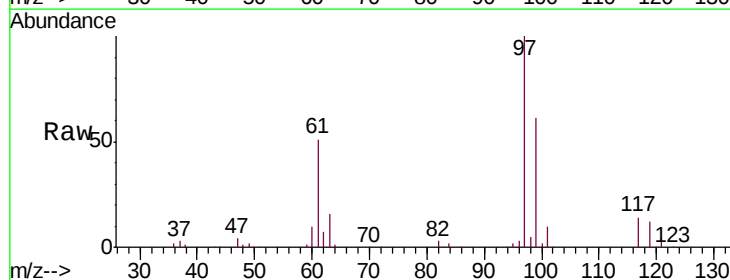
Tgt Ion: 97 Resp: 134487

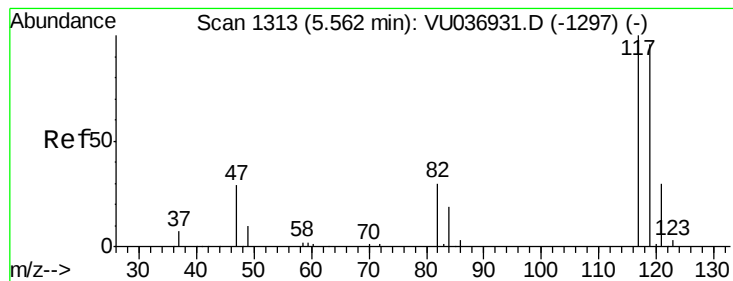
Ion Ratio Lower Upper

97 100

99 62.9 50.4 75.6

61 50.5 40.3 60.5





#31

Carbon tetrachloride

Concen: 48.415 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

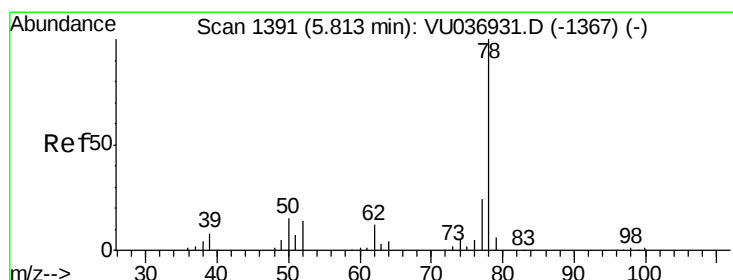
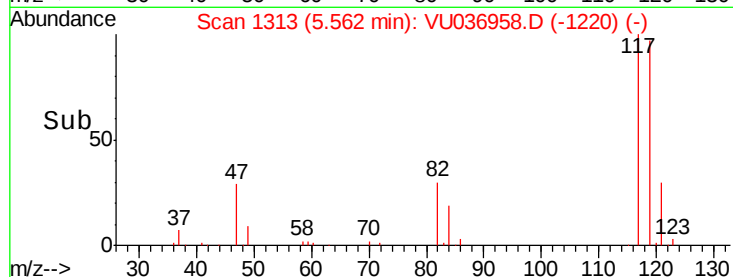
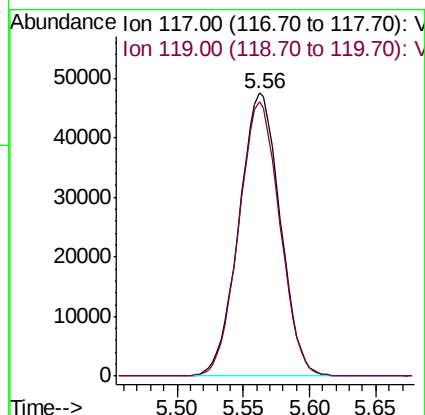
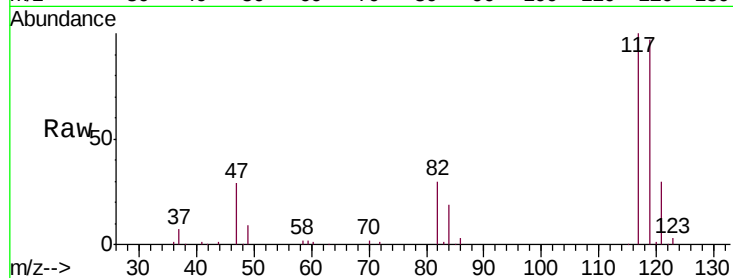
VSTD05038

Tgt Ion:117 Resp: 102693

Ion Ratio Lower Upper

117 100

119 96.5 77.2 115.8



#33

Benzene

Concen: 49.434 ug/L

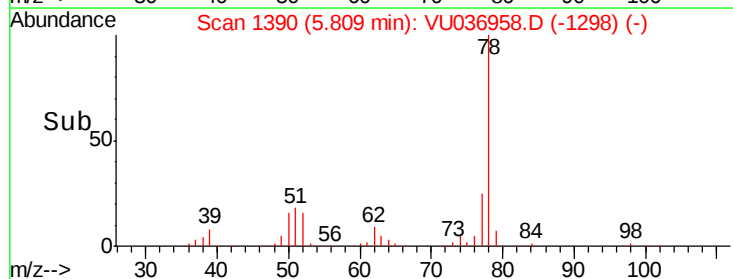
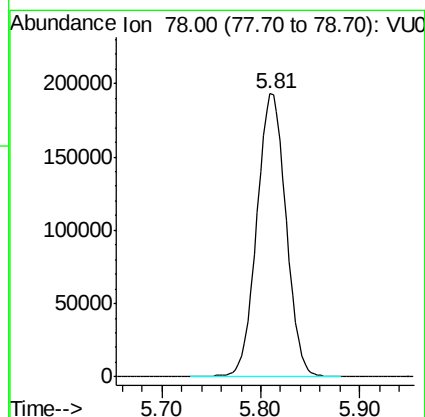
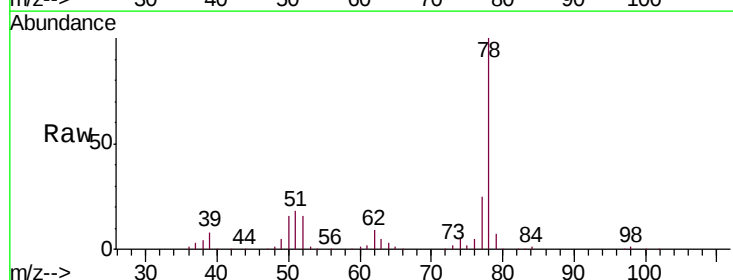
RT: 5.81 min Scan# 1390

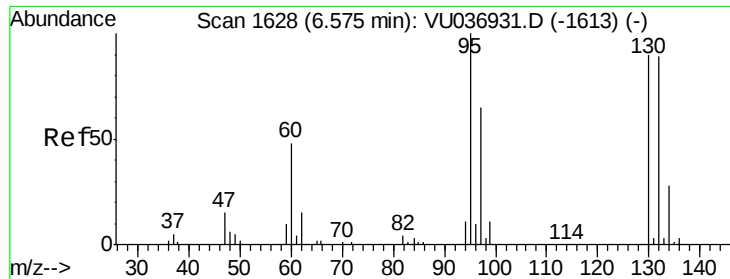
Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Tgt Ion: 78 Resp: 394182

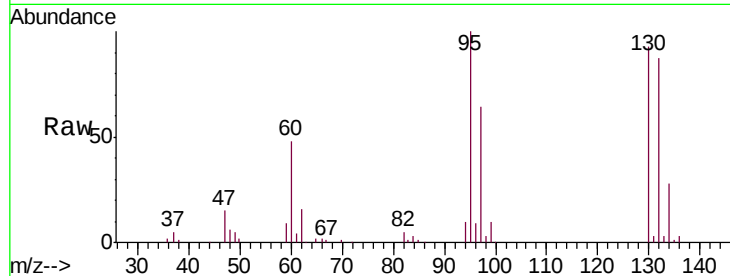




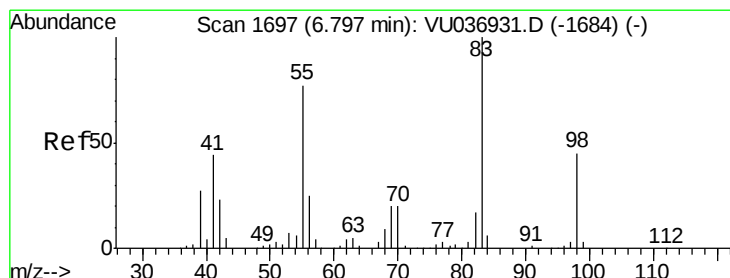
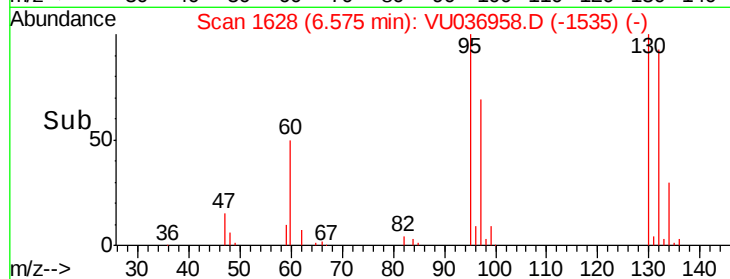
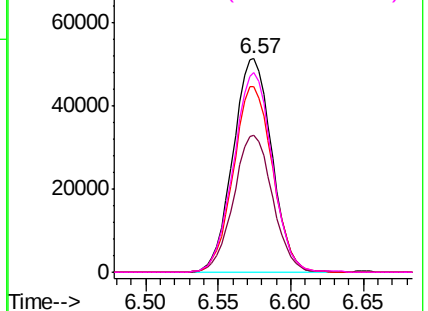
#34
 Trichloroethene
 Concen: 48.677 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion: 95 Resp: 95399
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.1 81.9
 132 87.0 60.6 112.6
 130 93.4 64.9 120.5

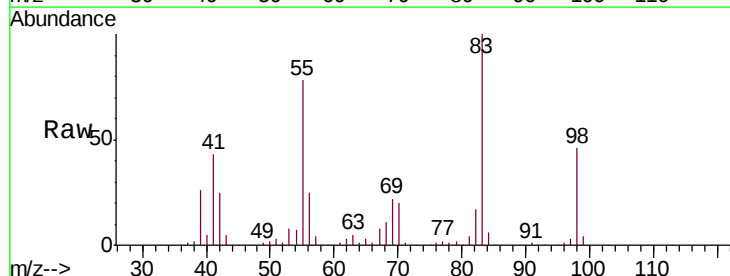


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

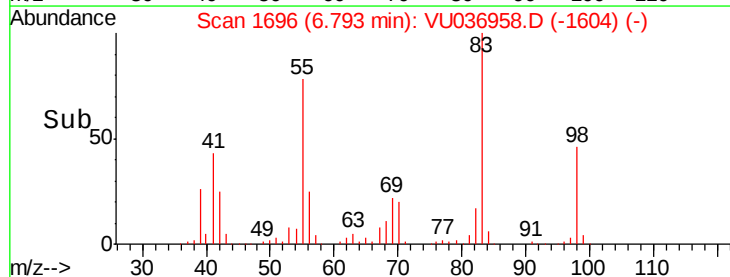
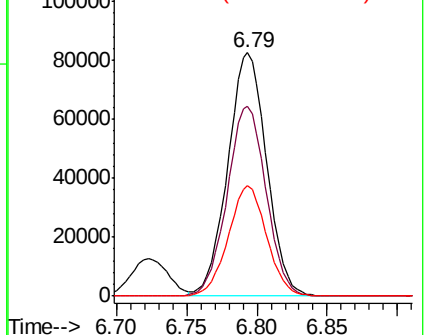


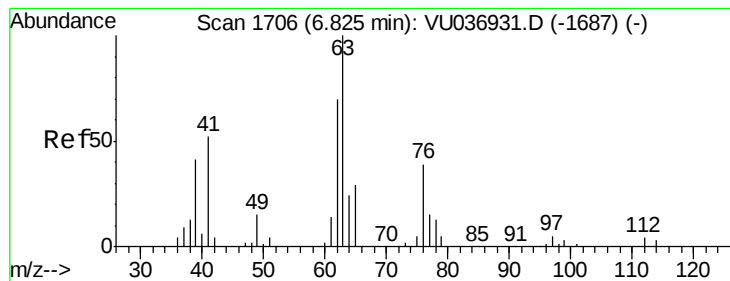
#35
 Methylcyclohexane
 Concen: 46.717 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion: 83 Resp: 158743
 Ion Ratio Lower Upper
 83 100
 55 78.5 62.6 93.8
 98 44.8 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: 49.214 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

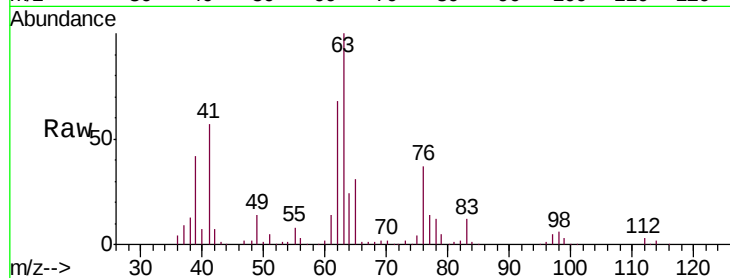
VSTD05038

Tgt Ion: 63 Resp: 105662

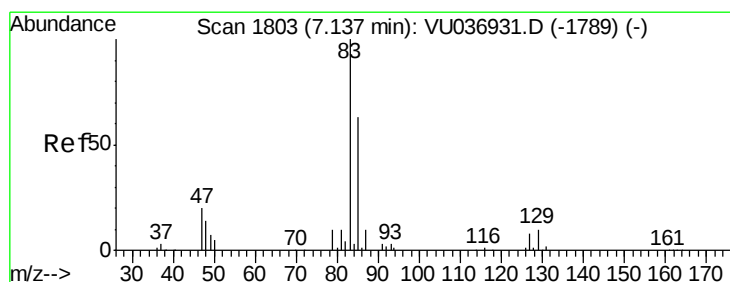
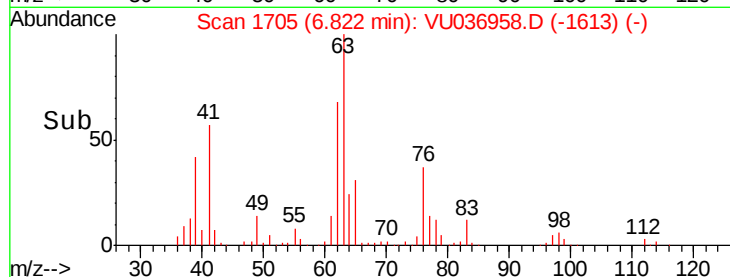
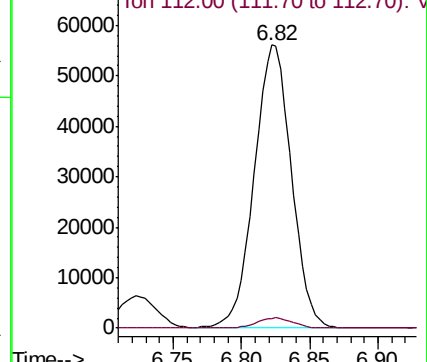
Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036931.D (-1687) (-)



#38

Bromodichloromethane

Concen: 49.040 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

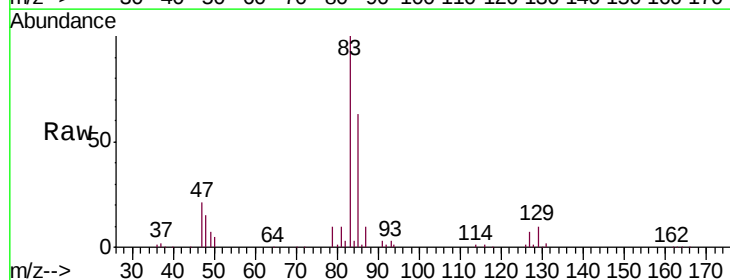
Tgt Ion: 83 Resp: 124281

Ion Ratio Lower Upper

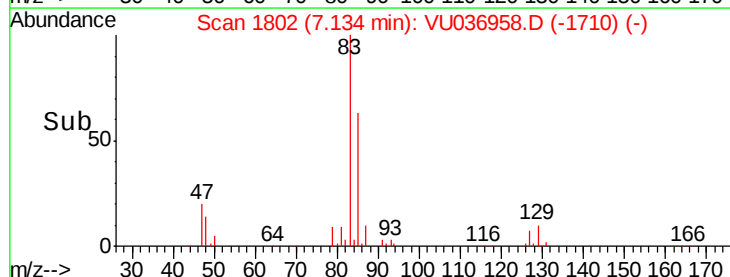
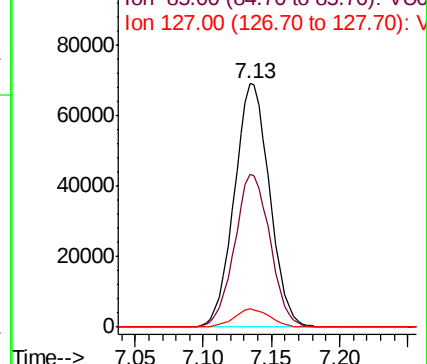
83 100

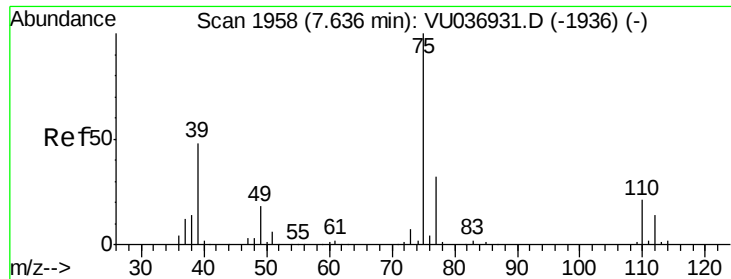
85 63.0 43.6 81.0

127 7.3 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036931.D (-1789) (-)

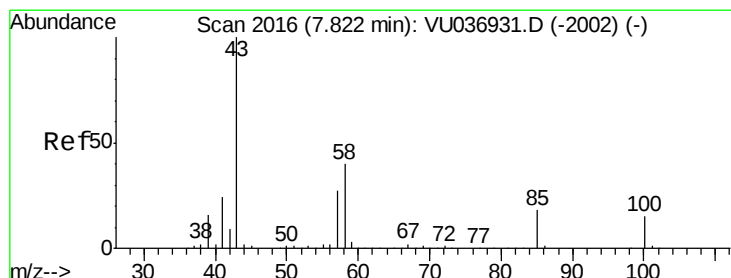
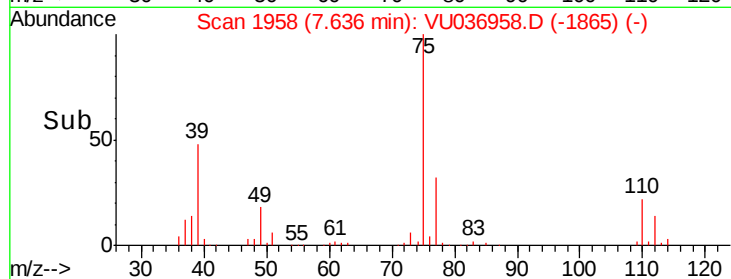
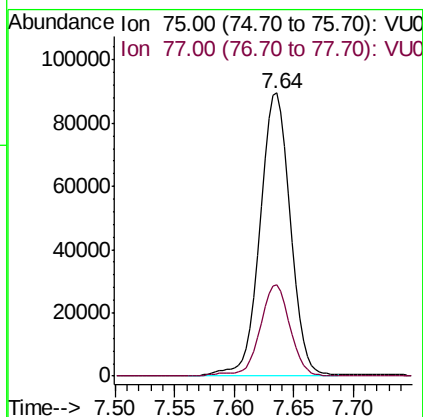
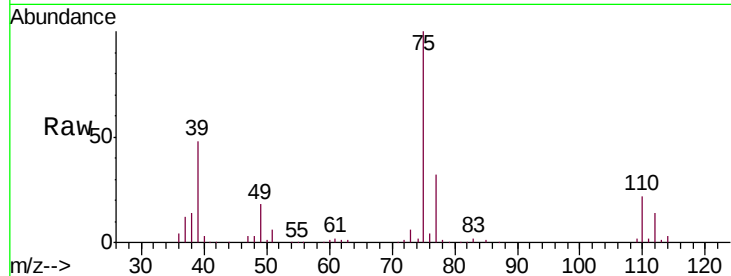




#39
 cis-1,3-Dichloropropene
 Concen: 47.979 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

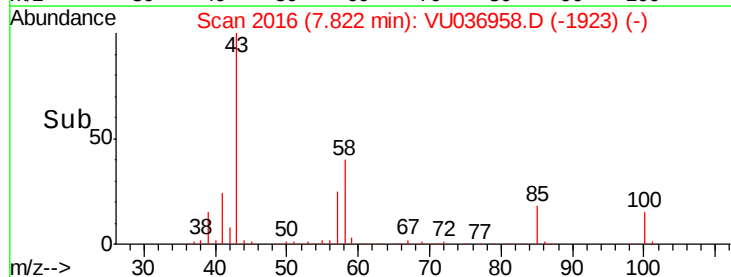
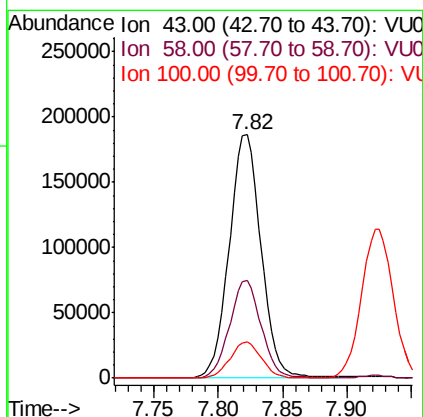
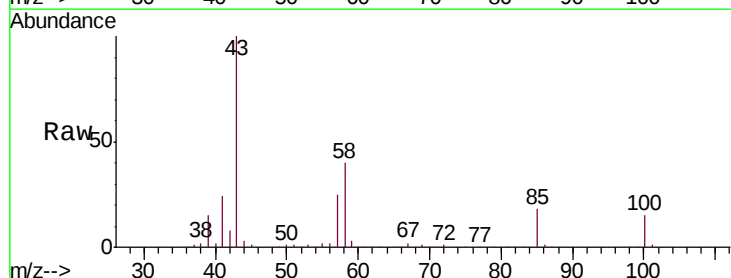
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

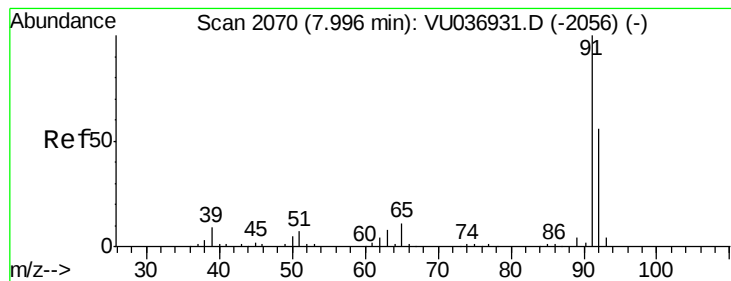
Tgt Ion: 75 Resp: 158680
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.050 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion: 43 Resp: 319685
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6
 100 14.7 11.5 17.3





#42

Toluene

Concen: 49.581 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

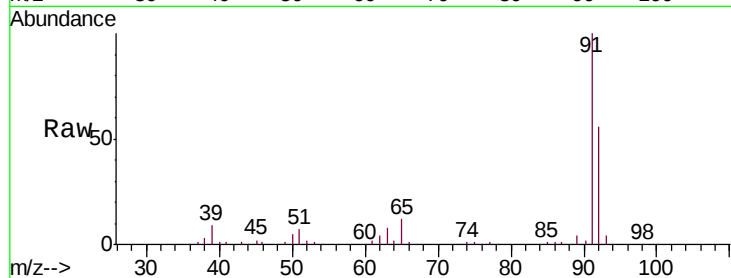
VSTD05038

Tgt Ion: 91 Resp: 421202

Ion Ratio Lower Upper

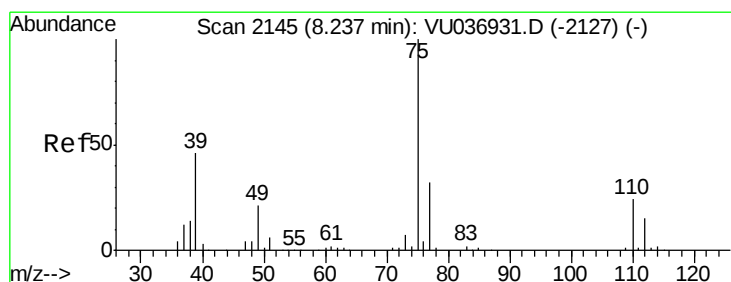
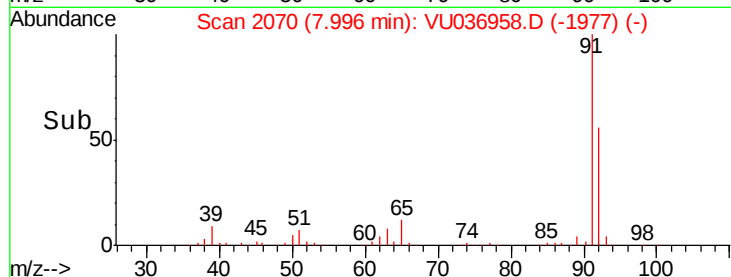
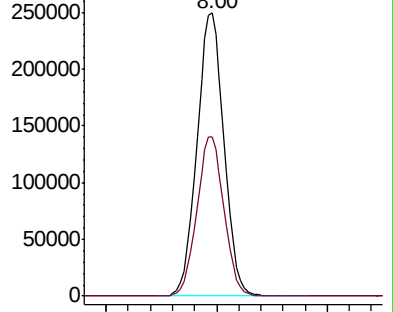
91 100

92 56.2 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036931.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036931.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 47.690 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU036958.D

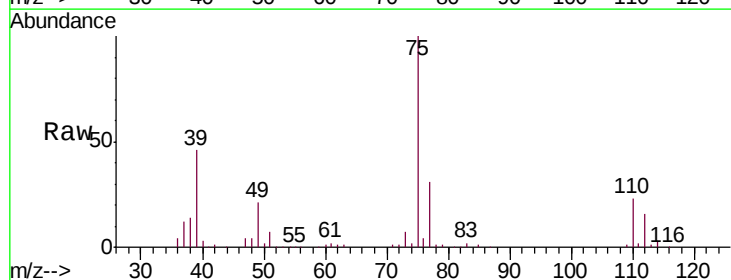
Acq: 27 Feb 2020 21:07

Tgt Ion: 75 Resp: 136820

Ion Ratio Lower Upper

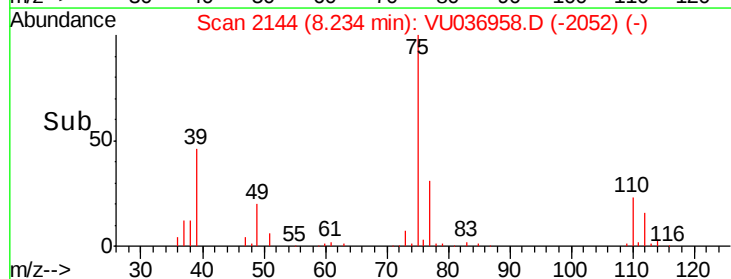
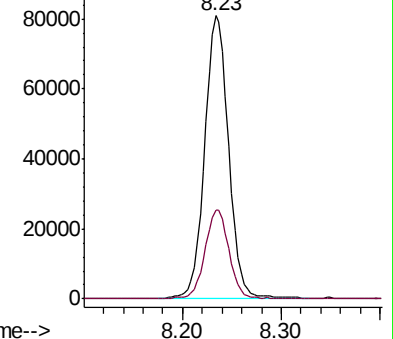
75 100

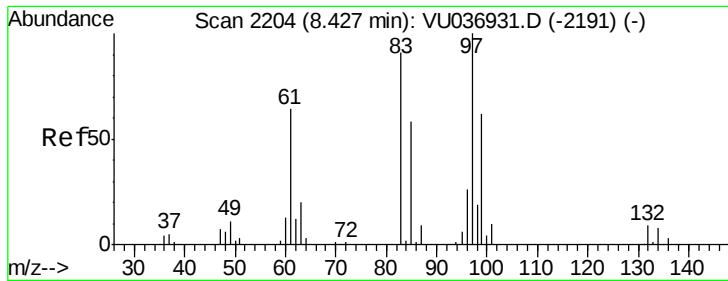
77 31.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036931.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036931.D (-2127) (-)

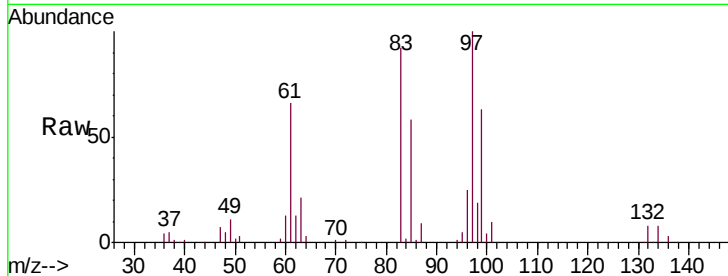




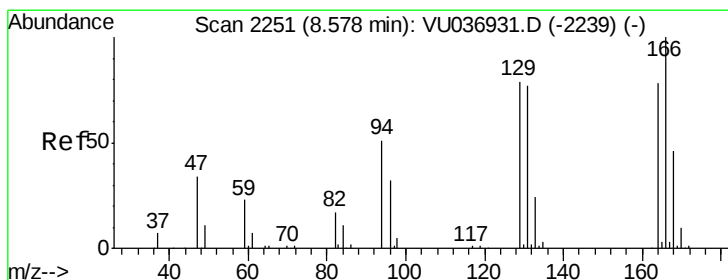
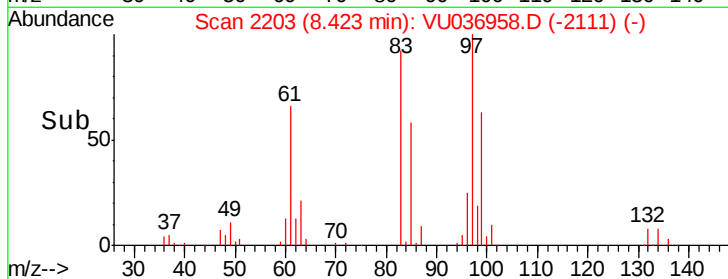
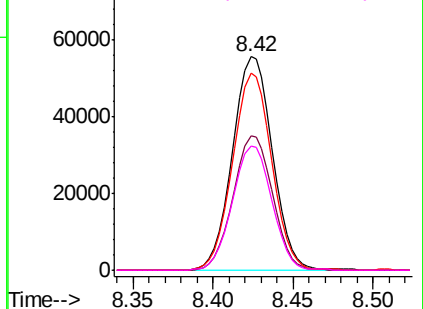
#45
 1,1,2-Trichloroethane
 Concen: 49.436 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion: 97 Resp: 94385
 Ion Ratio Lower Upper
 97 100
 99 62.9 43.6 81.0
 83 92.2 62.7 116.5
 85 58.4 40.3 74.9

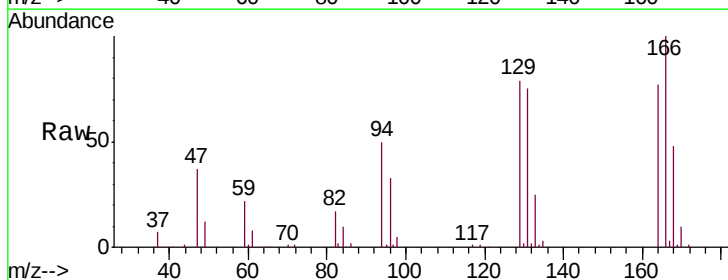


Abundance Ion 97.00 (96.70 to 97.70): VU036958.D (-2191) (-)
 Ion 99.00 (98.70 to 99.70): VU036958.D (-2191) (-)
 Ion 83.00 (82.70 to 83.70): VU036958.D (-2191) (-)
 Ion 85.00 (84.70 to 85.70): VU036958.D (-2191) (-)

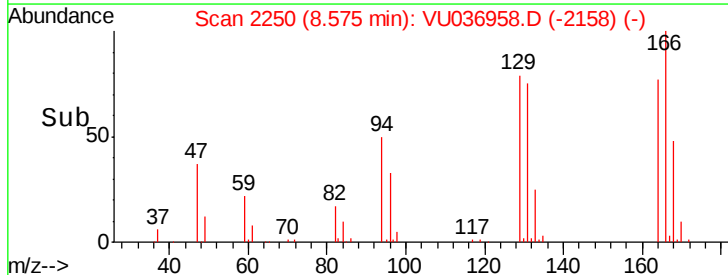
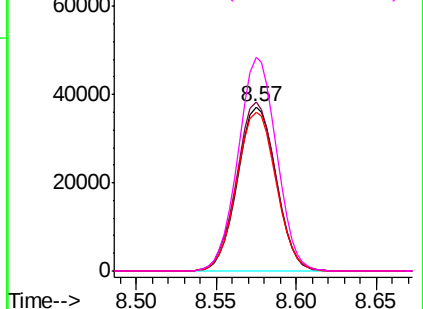


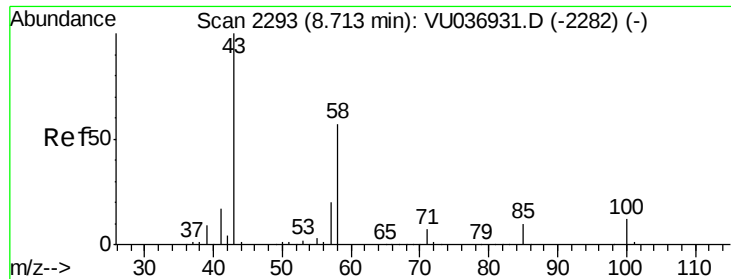
#46
 Tetrachloroethene
 Concen: 47.661 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion: 164 Resp: 61534
 Ion Ratio Lower Upper
 164 100
 129 102.9 72.0 133.8
 131 96.8 67.9 126.1
 166 129.9 87.1 161.7



Abundance Ion 164.00 (163.70 to 164.70): VU036958.D (-2158) (-)
 Ion 129.00 (128.70 to 129.70): VU036958.D (-2158) (-)
 Ion 131.00 (130.70 to 131.70): VU036958.D (-2158) (-)
 Ion 166.00 (165.70 to 166.70): VU036958.D (-2158) (-)

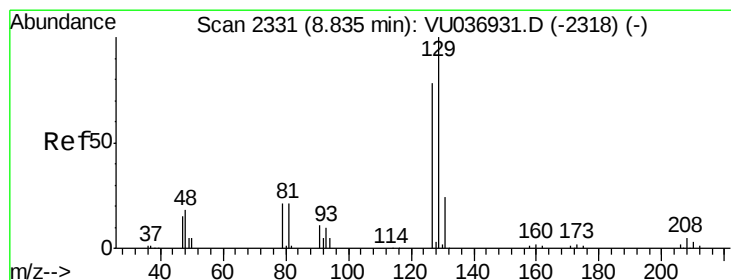
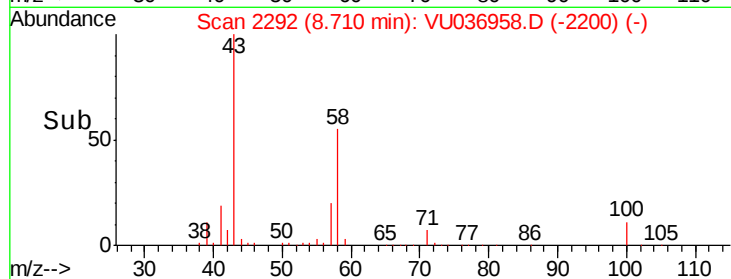
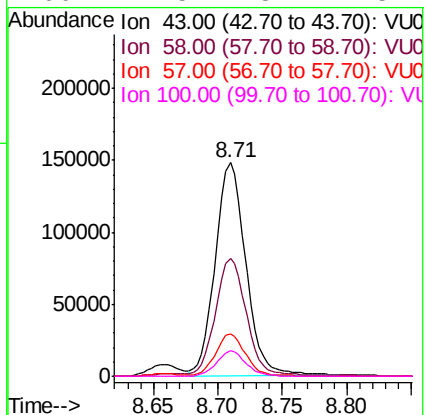
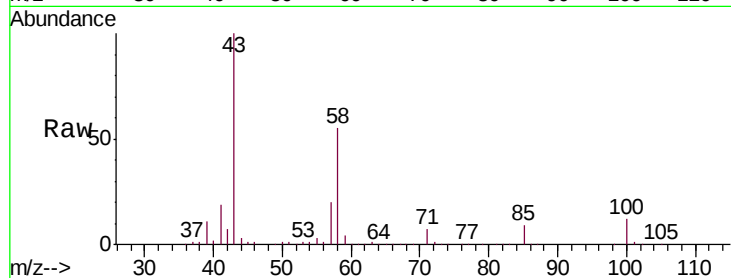




#48
2-Hexanone
Concen: 96.510 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

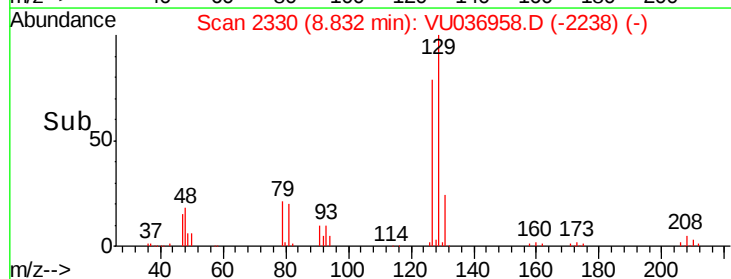
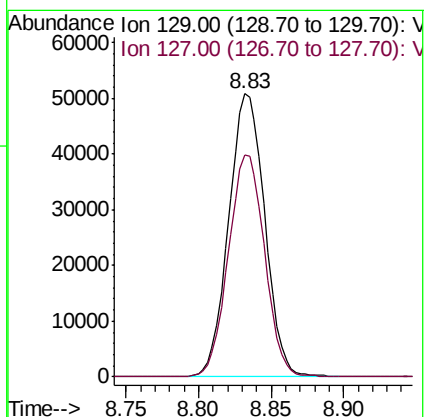
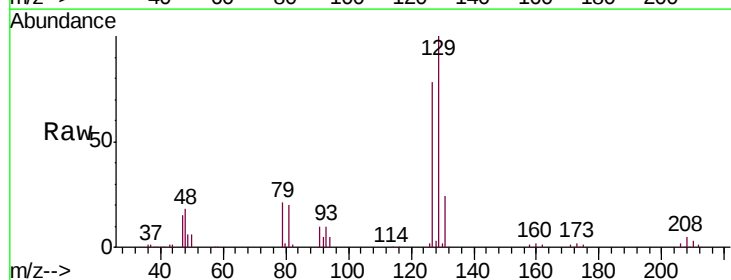
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

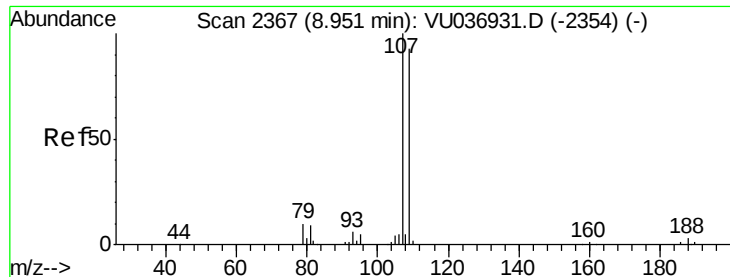
Tgt Ion: 43 Resp: 243646
Ion Ratio Lower Upper
43 100
58 55.8 43.5 65.3
57 19.1 15.1 22.7
100 11.5 8.7 13.1



#49
Dibromochloromethane
Concen: 48.404 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

Tgt Ion: 129 Resp: 87716
Ion Ratio Lower Upper
129 100
127 78.5 54.3 100.8

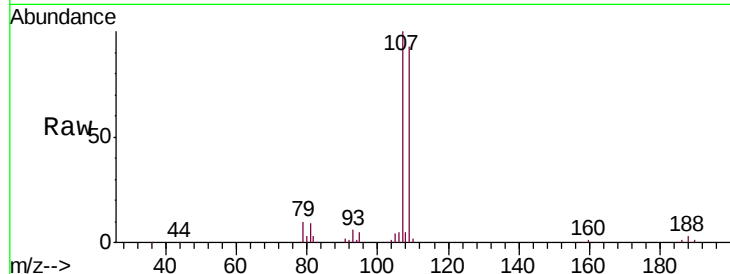




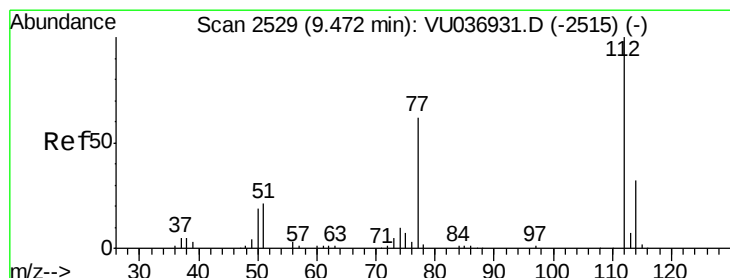
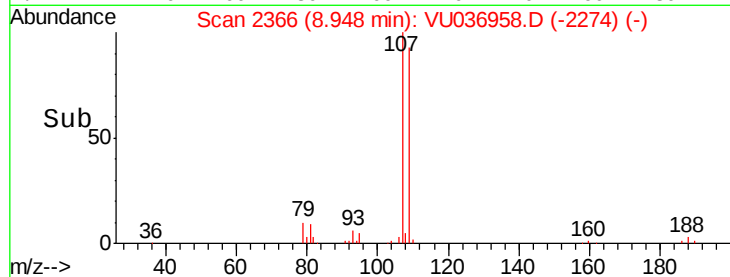
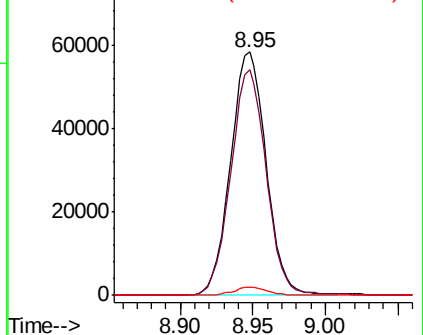
#50
 1,2-Dibromoethane
 Concen: 49.665 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion:107 Resp: 99156
 Ion Ratio Lower Upper
 107 100
 109 92.6 65.9 122.5
 188 3.2 2.2 3.2

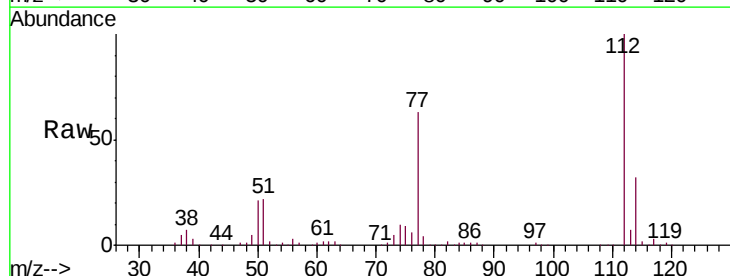


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

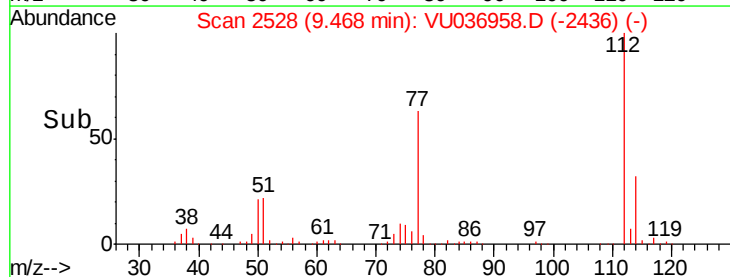
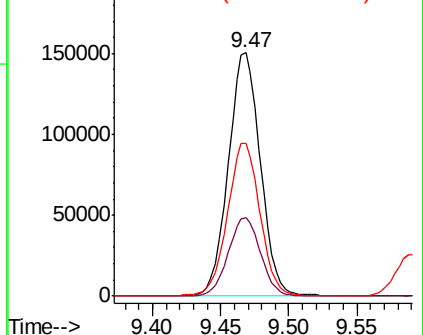


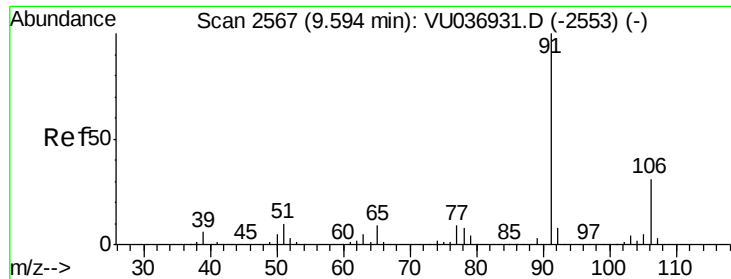
#51
 Chlorobenzene
 Concen: 48.686 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion:112 Resp: 245066
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.3 41.5
 77 62.8 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): VU0





#52

Ethylbenzene

Concen: 48.634 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

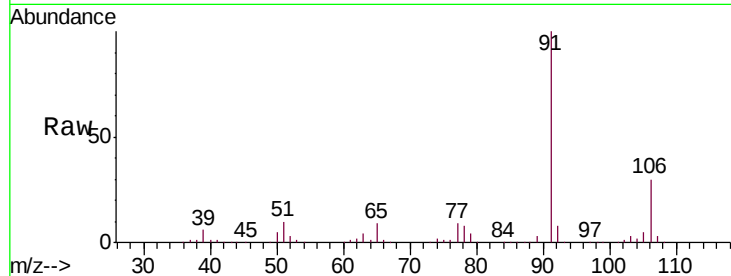
VSTD05038

Tgt Ion: 91 Resp: 447880

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036931.D (-2553) (-)

Ion 106.00 (105.70 to 106.70): VU036931.D (-2553) (-)

9.59

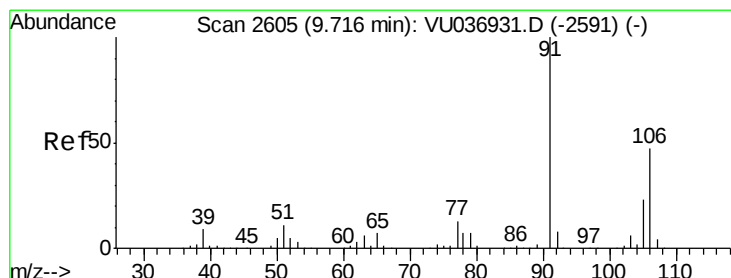
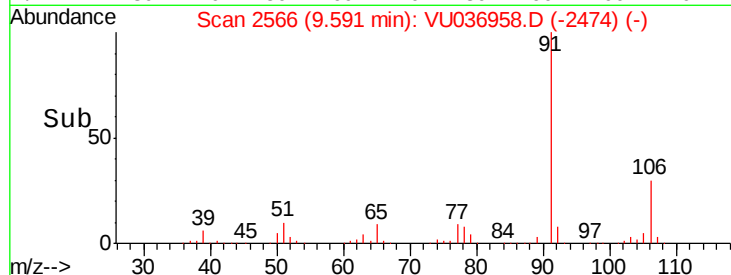
300000

200000

100000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 49.120 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036958.D

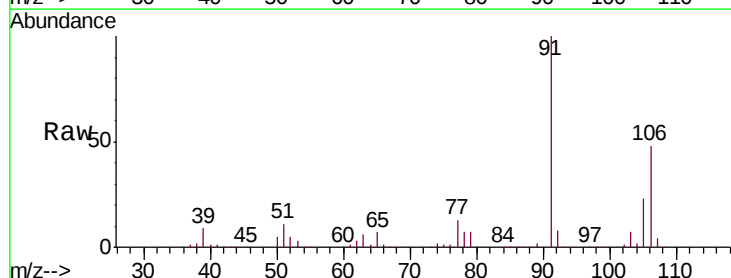
Acq: 27 Feb 2020 21:07

Tgt Ion: 106 Resp: 165932

Ion Ratio Lower Upper

106 100

91 208.7 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036931.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU036931.D (-2591) (-)

9.71

250000

200000

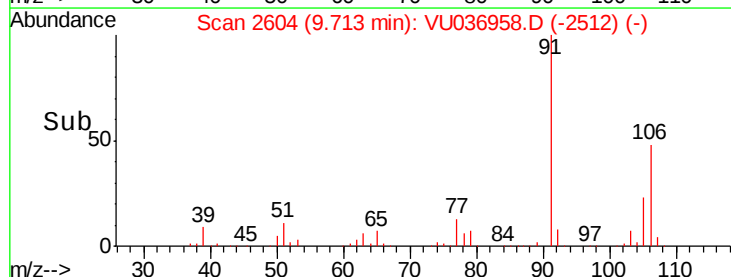
150000

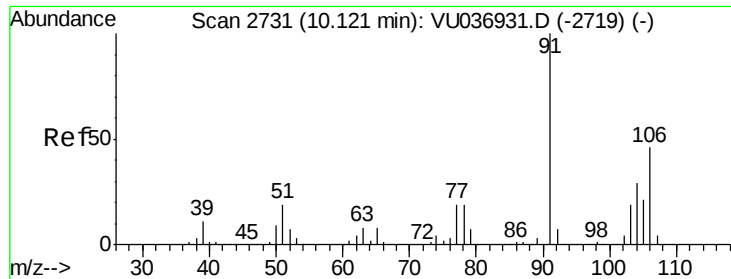
100000

50000

0

Time--> 9.65 9.70 9.75 9.80

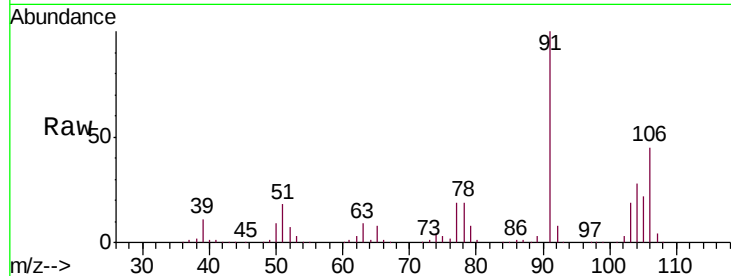




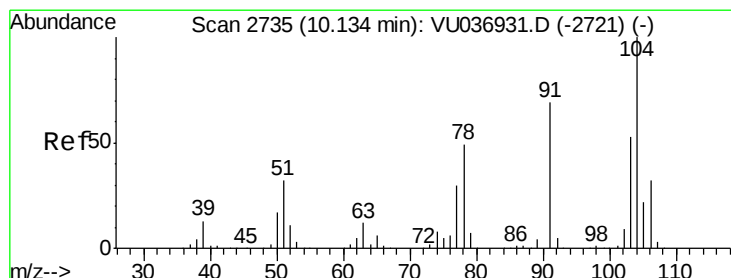
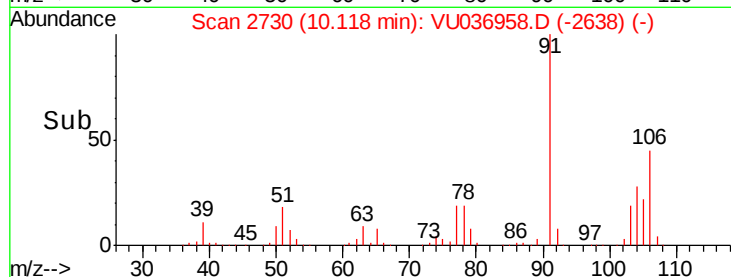
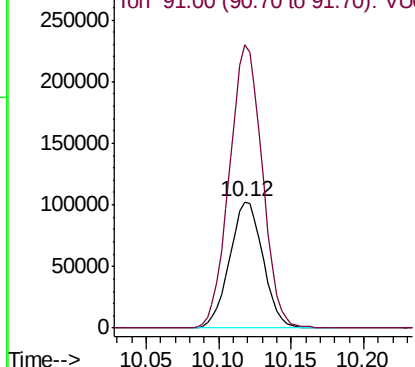
#54
o-xylene
Concen: 48.513 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:106 Resp: 163452
Ion Ratio Lower Upper
106 100
91 223.6 154.2 286.4

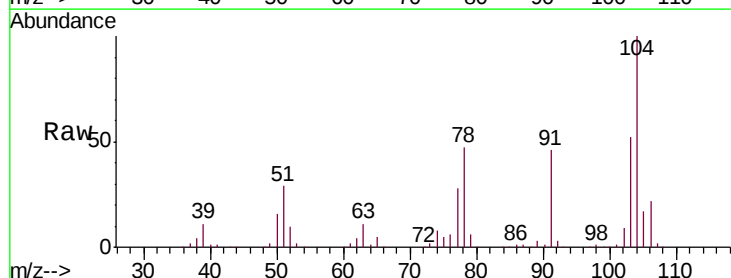


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

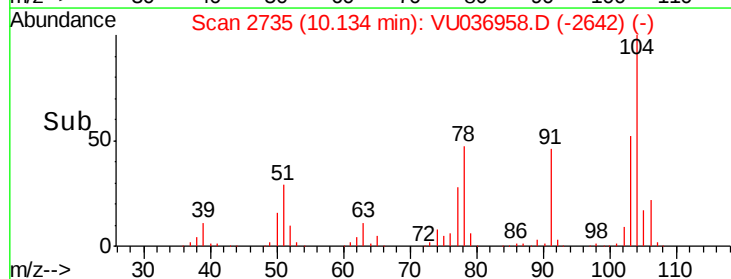
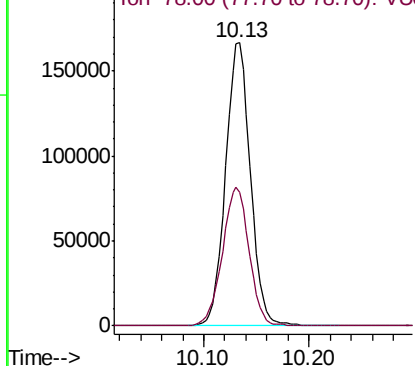


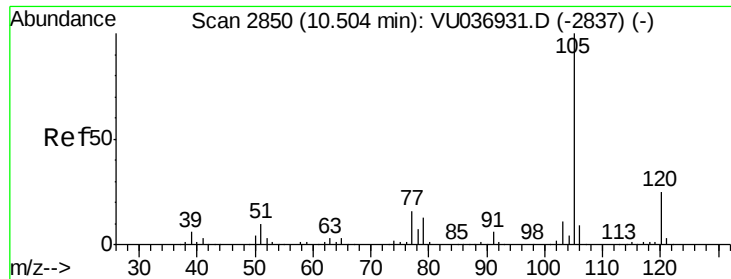
#55
Styrene
Concen: 49.197 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036958.D
Acq: 27 Feb 2020 21:07

Tgt Ion:104 Resp: 270963
Ion Ratio Lower Upper
104 100
78 47.0 33.0 61.4



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





#56

Isopropylbenzene

Concen: 48.891 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

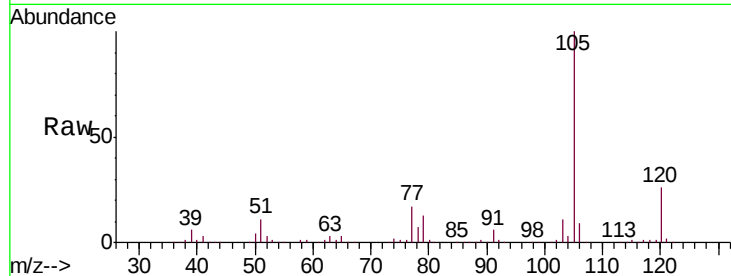
Tgt Ion:105 Resp: 423086

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

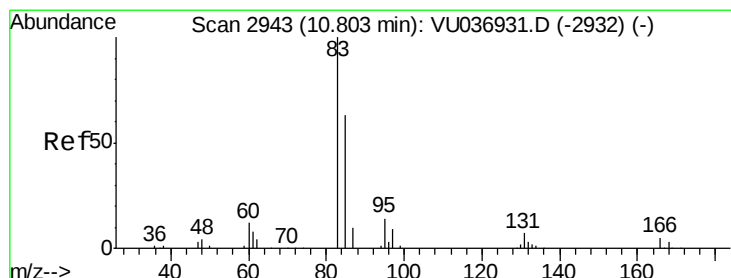
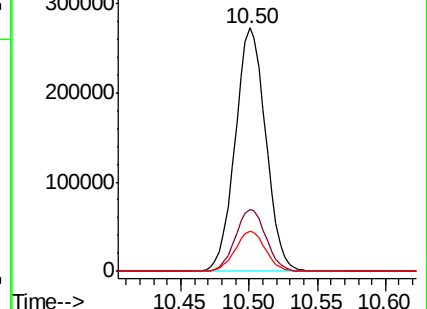
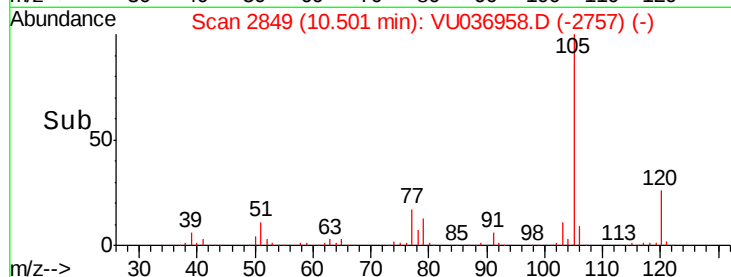
77 16.5 13.1 19.7



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: 48.758 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

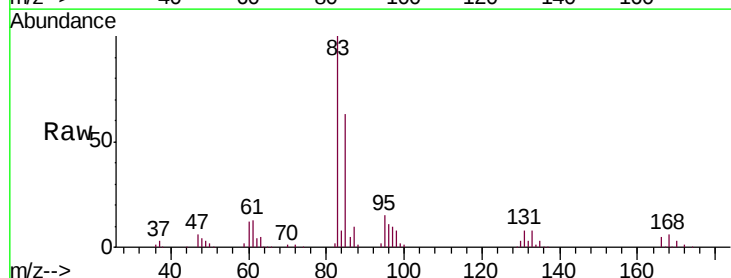
Tgt Ion: 83 Resp: 166425

Ion Ratio Lower Upper

83 100

85 63.1 45.5 84.5

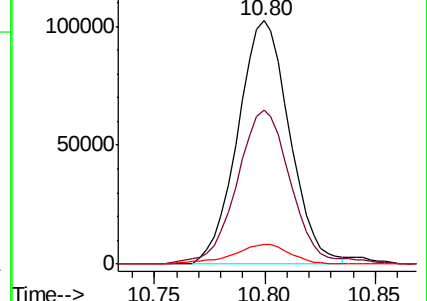
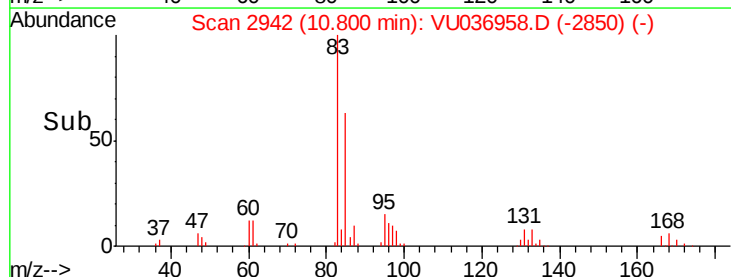
131 8.3 6.8 10.2

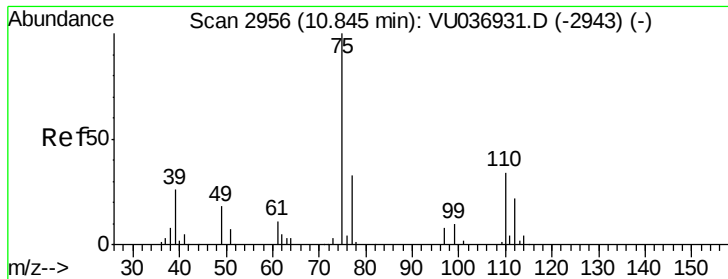


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.366 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

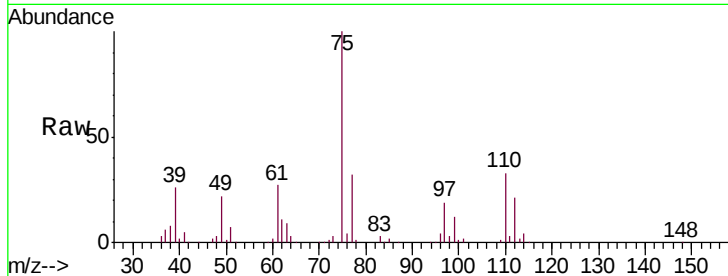
VSTD05038

Tgt Ion: 75 Resp: 139108

Ion Ratio Lower Upper

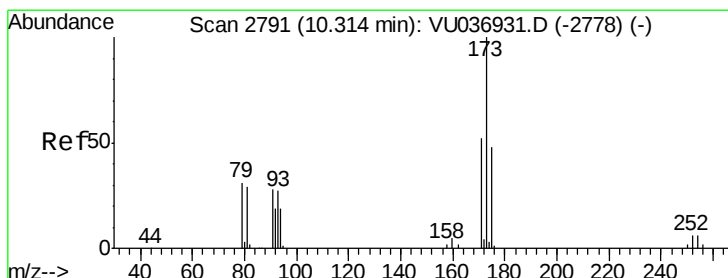
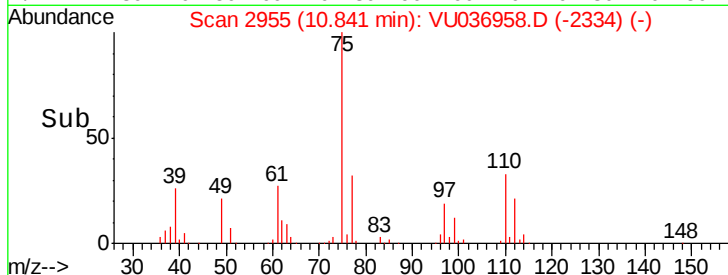
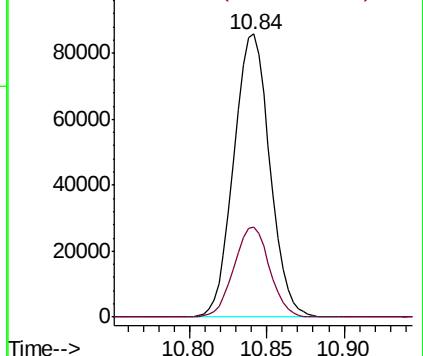
75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036931.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036931.D (-2943) (-)



#61

Bromoform

Concen: 48.194 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

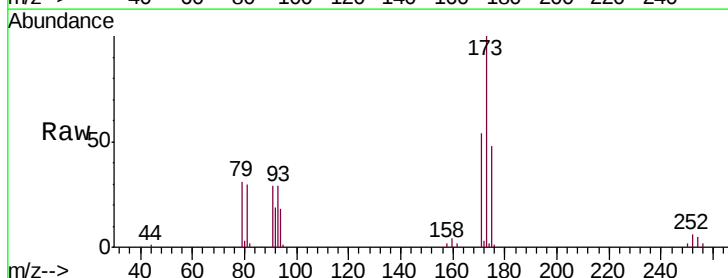
Tgt Ion: 173 Resp: 60284

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

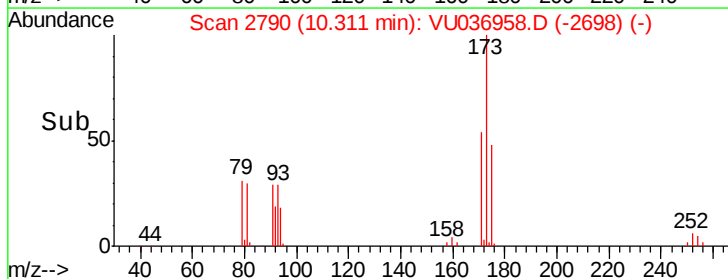
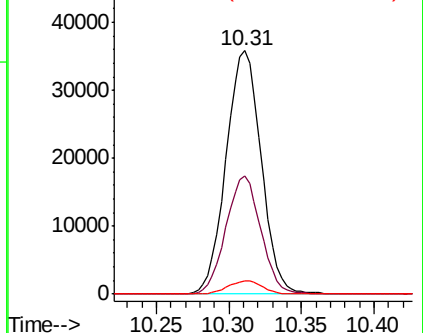
254 5.2 4.6 6.8

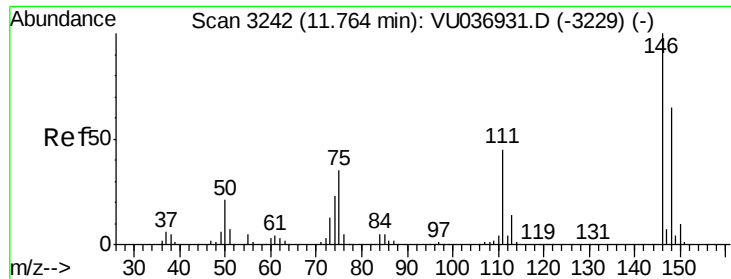


Abundance Ion 173.00 (172.70 to 173.70): VU036931.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU036931.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU036931.D (-2778) (-)





#62

1,3-Dichlorobenzene

Concen: 47.898 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

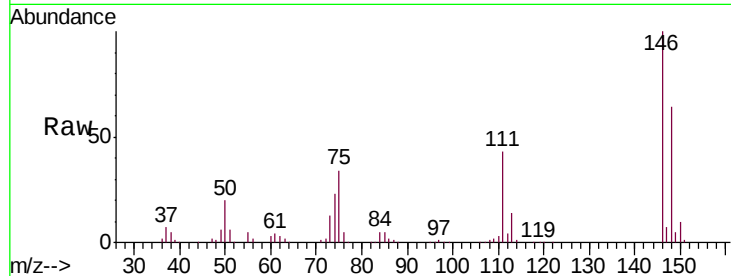
Tgt Ion:146 Resp: 171910

Ion Ratio Lower Upper

146 100

111 43.3 30.7 56.9

148 63.8 44.2 82.2

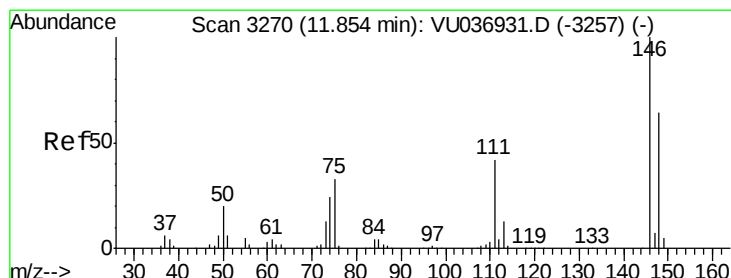
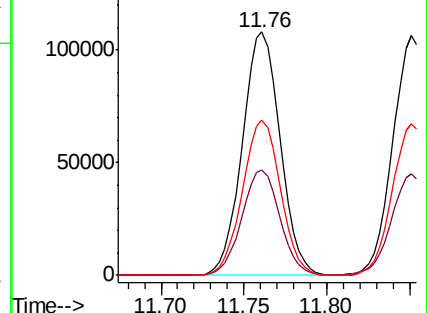
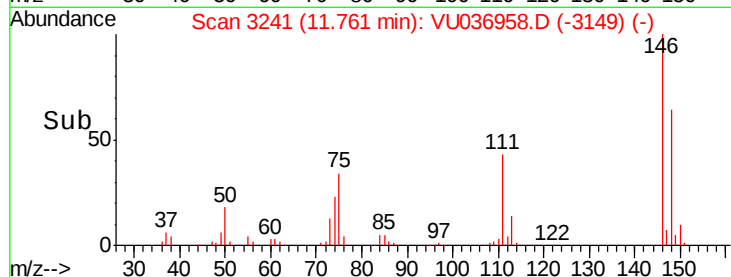


Abundance

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: 47.816 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

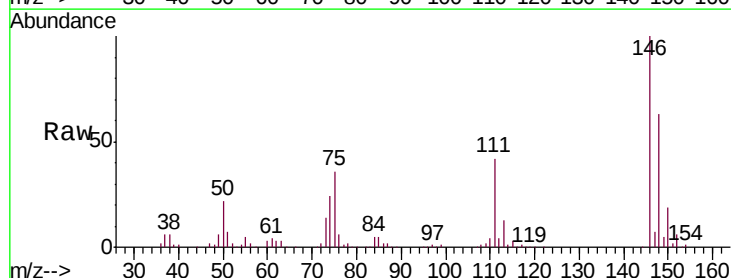
Tgt Ion:146 Resp: 169556

Ion Ratio Lower Upper

146 100

111 42.2 29.8 55.4

148 63.3 45.1 83.9

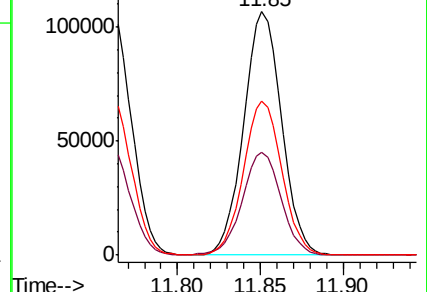
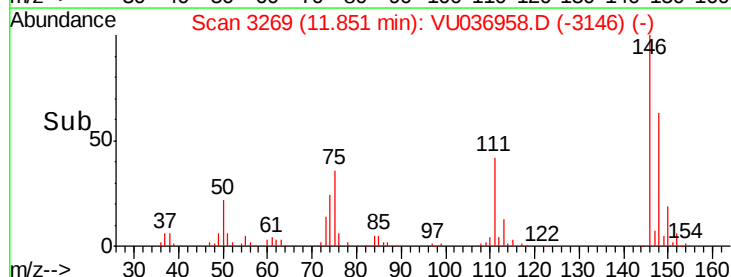


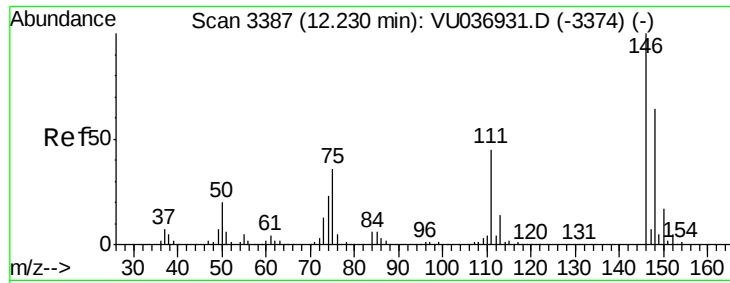
Abundance

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: 49.098 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

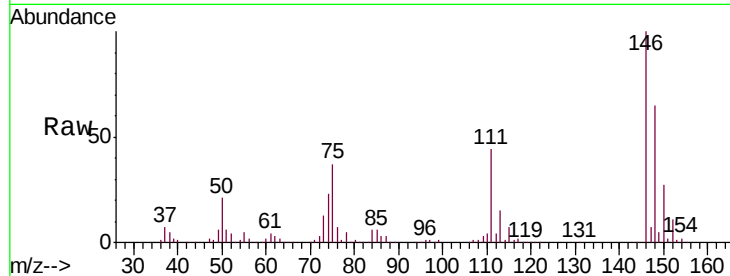
Tgt Ion:146 Resp: 175948

Ion Ratio Lower Upper

146 100

111 44.4 35.4 53.0

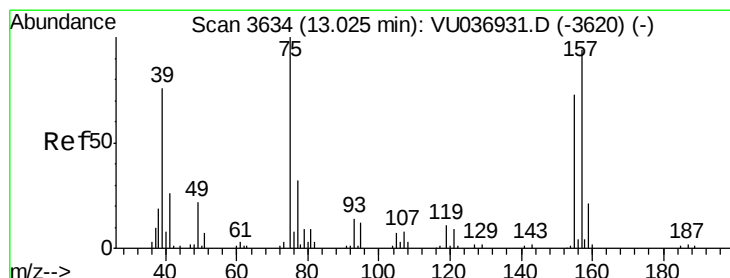
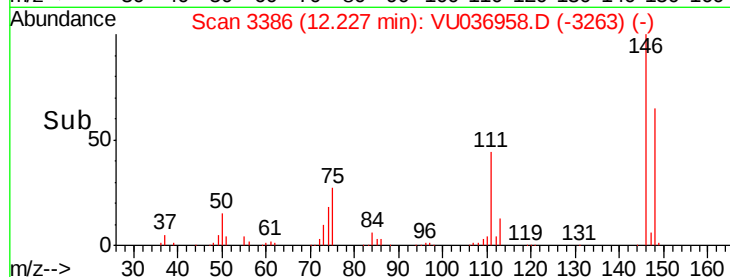
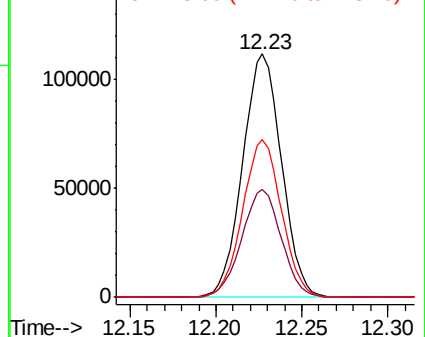
148 65.0 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.840 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.01 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

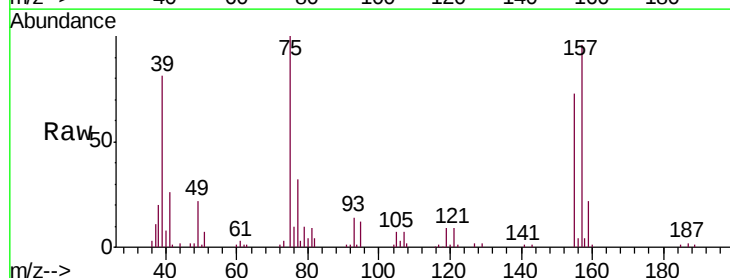
Tgt Ion: 75 Resp: 35434

Ion Ratio Lower Upper

75 100

155 73.4 55.7 83.5

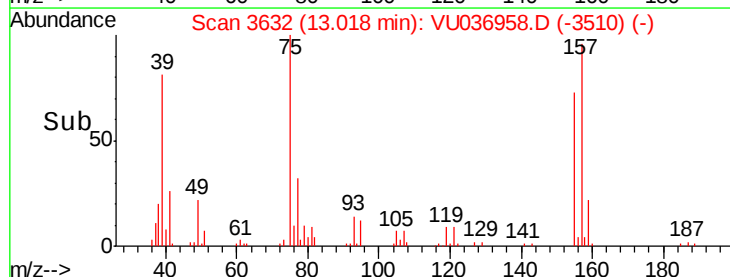
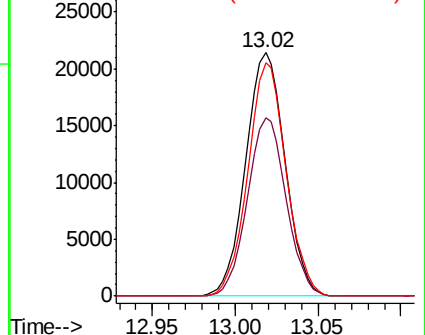
157 96.0 73.0 109.6

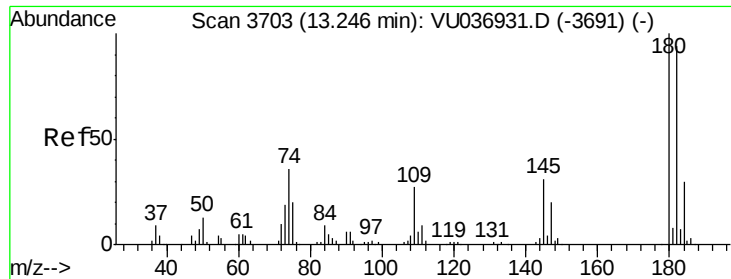


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

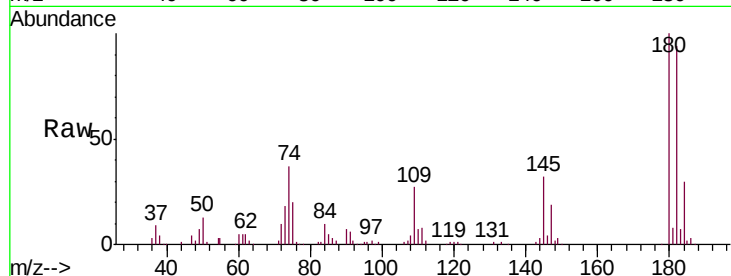




#67
 1,3,5-Trichlorobenzene
 Concen: 49.559 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.9	115.3
184	29.9	24.2	36.2
145	31.4	25.3	37.9



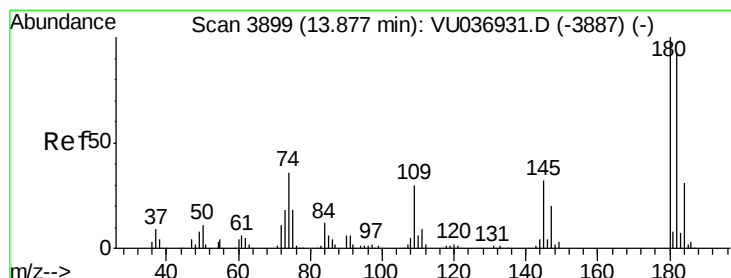
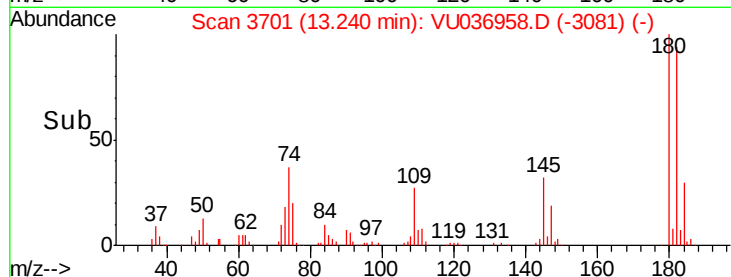
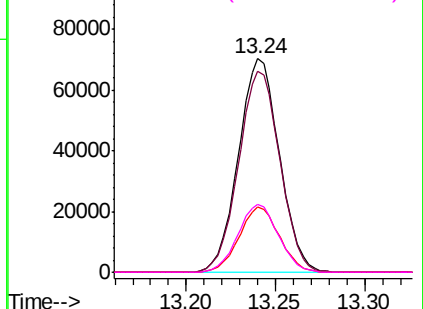
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

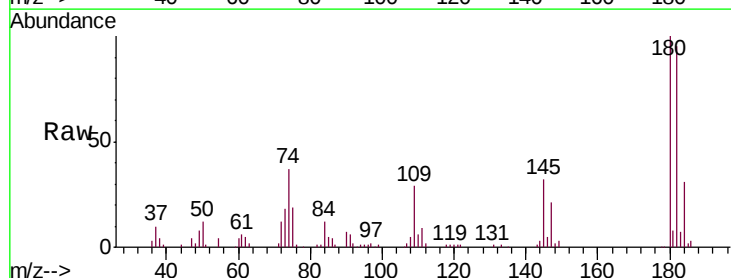
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.292 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU036958.D
 Acq: 27 Feb 2020 21:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.3	112.9
145	31.8	26.2	39.4

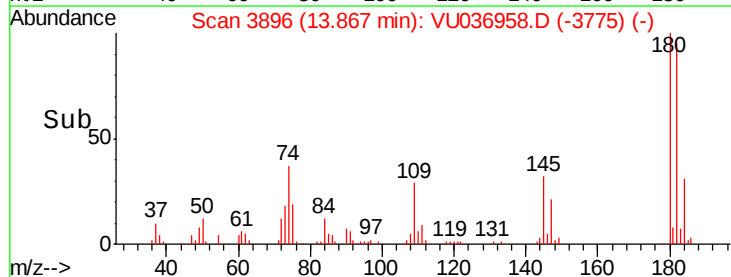
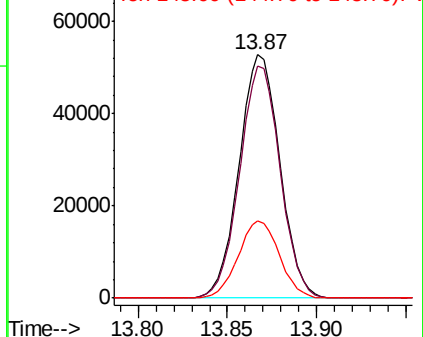


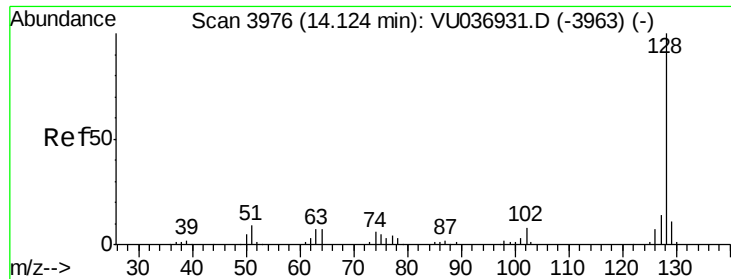
Abundance

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: 44.988 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

Instrument :

MSVOA_U

ClientSampled :

VSTD05038

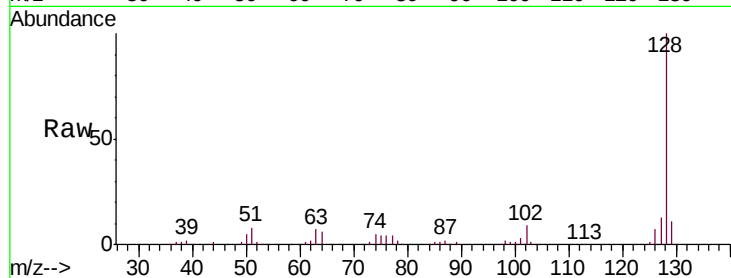
Tgt Ion:128 Resp: 135550

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

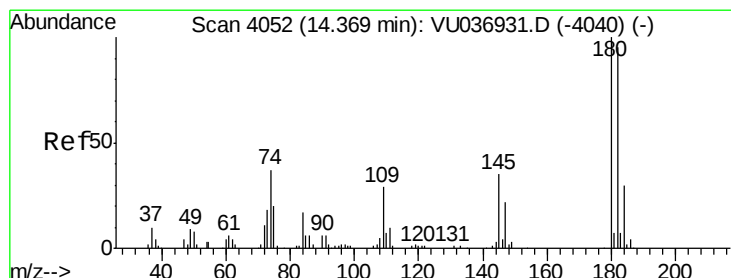
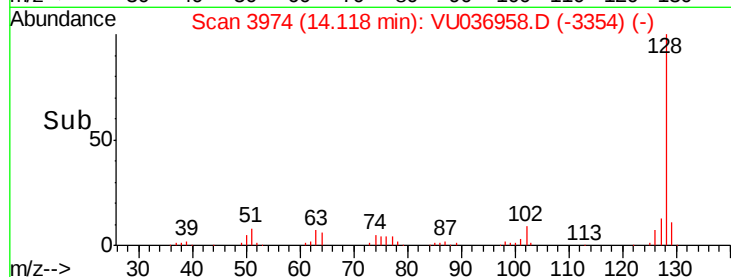
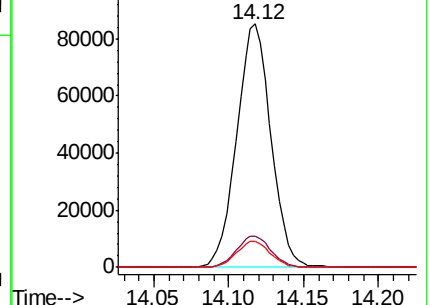
129 10.6 8.6 12.8



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: 50.353 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU036958.D

Acq: 27 Feb 2020 21:07

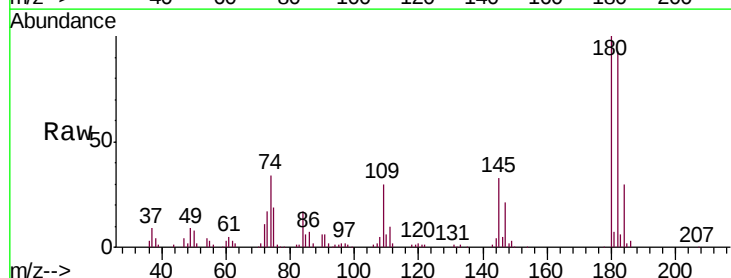
Tgt Ion:180 Resp: 85885

Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.6

145 33.4 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

