

Data File : VU036929.D
Acq On : 26 Feb 2020 21:00
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Feb 27 04:52:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 04:47:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	243879	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106679	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96498	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.93	69	85023	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.59	63	168691	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.56%
21) 2-Butanone-d5	4.67	46	154386	108.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.03%
24) Chloroform-d	5.11	84	167955	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
26) 1,2-Dichloroethane-d4	5.74	65	111426	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.22%
32) Benzene-d6	5.76	84	350267	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
36) 1,2-Dichloropropane-d6	6.72	67	114549	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.26%
41) Toluene-d8	7.92	98	324049	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%
43) trans-1,3-Dichloropropene-	8.20	79	50840	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.76%
47) 2-Hexanone-d5	8.66	63	118836	106.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.37%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	165504	51.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.76%
64) 1,2-Dichlorobenzene-d4	12.21	152	105158	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	111214	51.680 ug/L	99
3) Chloromethane	1.54	50	123194	49.759 ug/L	99
5) Vinyl chloride	1.62	62	133374	52.227 ug/L	100
6) Bromomethane	1.87	94	71115	54.276 ug/L	96
8) Chloroethane	1.95	64	81354	53.145 ug/L	99
9) Trichlorofluoromethane	2.16	101	141986	52.424 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	83218	51.363 ug/L	99
12) 1,1-Dichloroethene	2.60	96	84420	51.516 ug/L	91
13) Acetone	2.66	43	108813	74.021 ug/L	99
14) Carbon disulfide	2.82	76	257727	49.709 ug/L	100
15) Methyl Acetate	2.98	43	117366	52.381 ug/L	98
16) Methylene chloride	3.08	84	103607	51.836 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	89679	50.943 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	295097	51.570 ug/L	99
19) 1,1-Dichloroethane	3.91	63	179269	52.409 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	102661	52.155 ug/L	98
22) 2-Butanone	4.75	43	169115	95.402 ug/L	99

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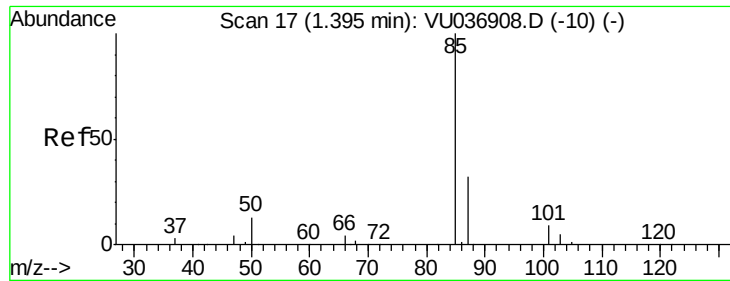
Quant Time: Feb 27 04:52:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 04:47:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47036	52.766	ug/L	97
25) Chloroform	5.13	83	170991	51.809	ug/L	98
27) 1,2-Dichloroethane	5.83	62	140941	52.454	ug/L	99
29) Cyclohexane	5.43	56	160482	49.588	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	134491	51.435	ug/L	98
31) Carbon tetrachloride	5.56	117	105409	51.432	ug/L	98
33) Benzene	5.81	78	398323	51.700	ug/L	100
34) Trichloroethene	6.57	95	96774	51.105	ug/L	98
35) Methylcyclohexane	6.79	83	161352	49.144	ug/L	99
37) 1,2-Dichloropropane	6.82	63	106125	51.157	ug/L	100
38) Bromodichloromethane	7.14	83	124588	50.879	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	155886	48.782	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	320388	104.813	ug/L	100
42) Toluene	8.00	91	424696	51.740	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	138736	50.048	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	95534	51.787	ug/L	99
46) Tetrachloroethene	8.57	164	63267	50.716	ug/L	98
48) 2-Hexanone	8.71	43	247469	101.451	ug/L	99
49) Dibromochloromethane	8.83	129	90726	51.815	ug/L	100
50) 1,2-Dibromoethane	8.95	107	99091	51.367	ug/L	98
51) Chlorobenzene	9.47	112	249804	51.362	ug/L	99
52) Ethylbenzene	9.59	91	454524	51.080	ug/L	100
53) m,p-Xylene	9.71	106	170259	52.162	ug/L	99
54) o-xylene	10.12	106	167227	51.368	ug/L	98
55) Styrene	10.13	104	276916	52.035	ug/L	99
56) Isopropylbenzene	10.50	105	426748	51.038	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	170688	51.755	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	138678	51.965	ug/L	100
61) Bromoform	10.31	173	61219	50.758	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	175058	50.585	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	173895	50.860	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	177879	51.479	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36774	53.645	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	115930	52.777	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	90012	54.694	ug/L	99
69) Naphthalene	14.12	128	147036	50.612	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	90883	55.262	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 51.680 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

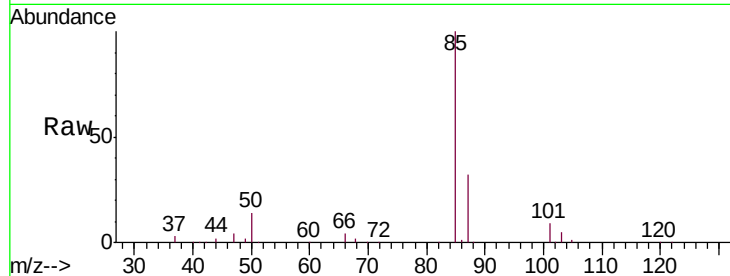
VSTD05059

Tgt Ion: 85 Resp: 111214

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036929.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036929.D (-1) (-)

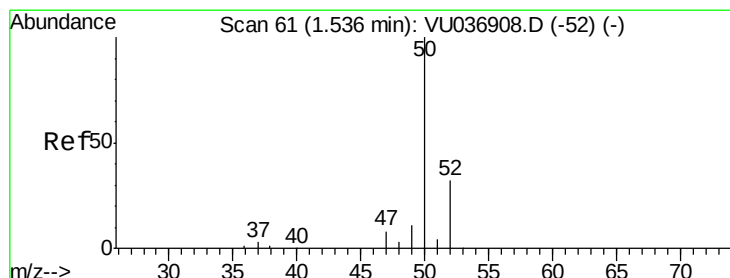
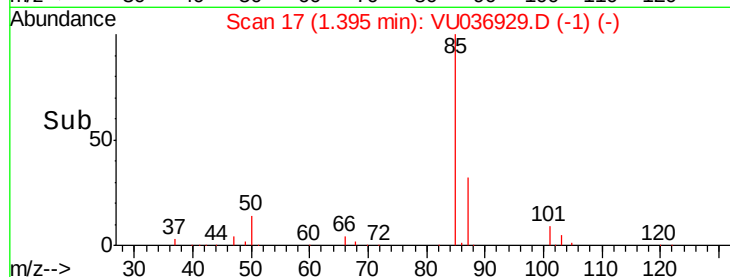
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.759 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036929.D

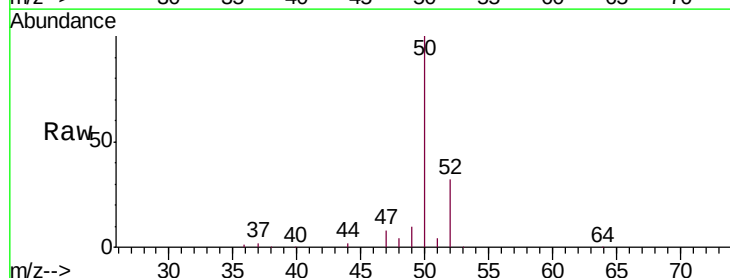
Acq: 26 Feb 2020 21:00

Tgt Ion: 50 Resp: 123194

Ion Ratio Lower Upper

50 100

52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036929.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036929.D (-1) (-)

1.54

120000

100000

80000

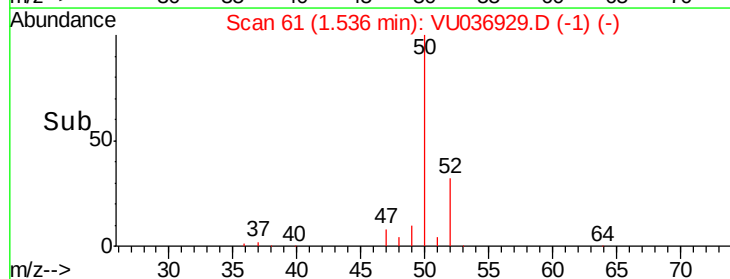
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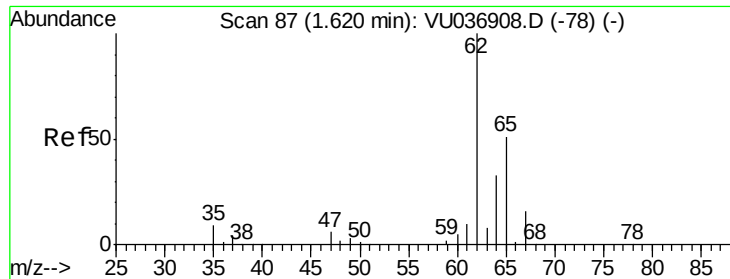
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 52.227 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

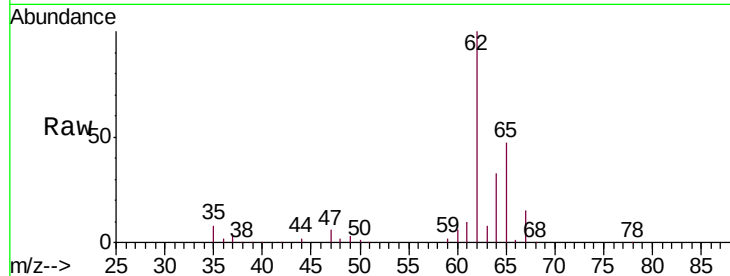
VSTD05059

Tgt Ion: 62 Resp: 133374

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036908.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036908.D (-78) (-)

1.62

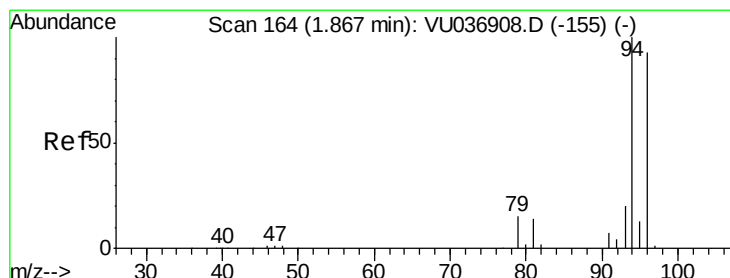
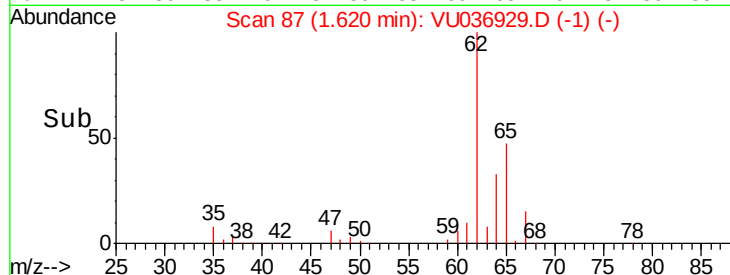
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 54.276 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU036929.D

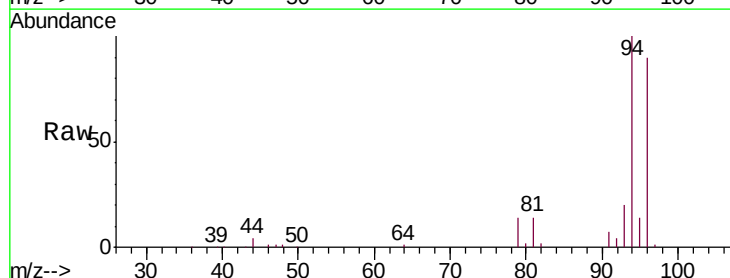
Acq: 26 Feb 2020 21:00

Tgt Ion: 94 Resp: 71115

Ion Ratio Lower Upper

94 100

96 90.2 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036908.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036908.D (-155) (-)

1.87

60000

50000

40000

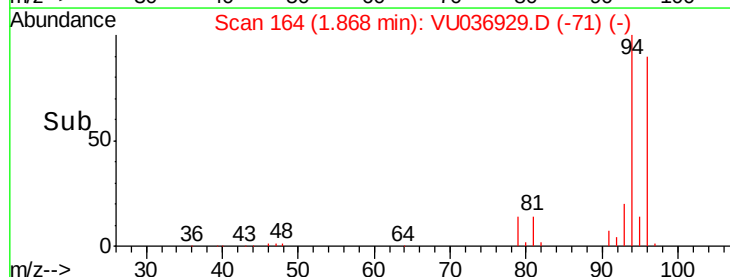
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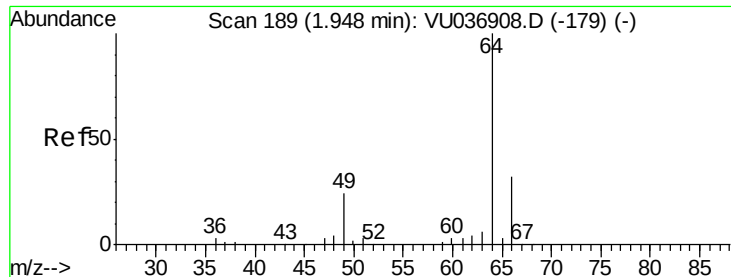
20000

10000

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Time-->

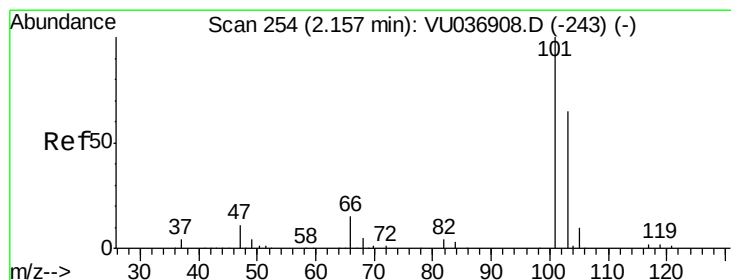
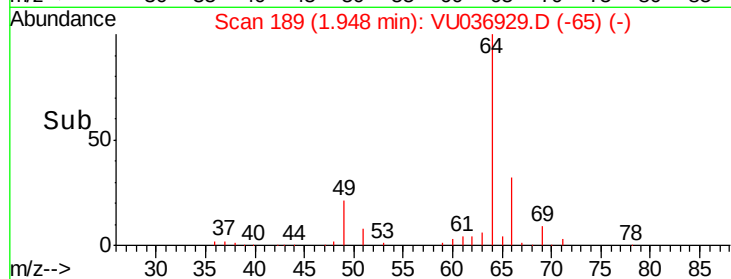
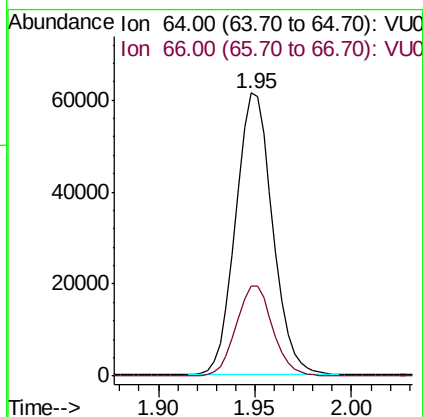
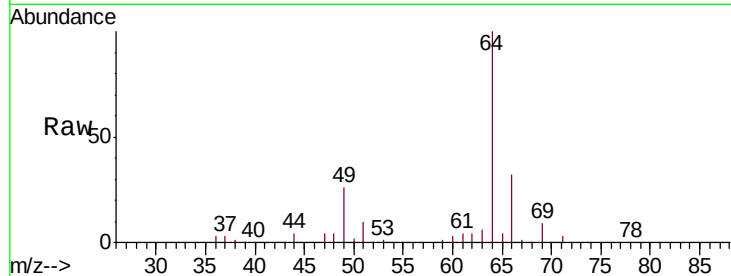




#8
Chloroethane
Concen: 53.145 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

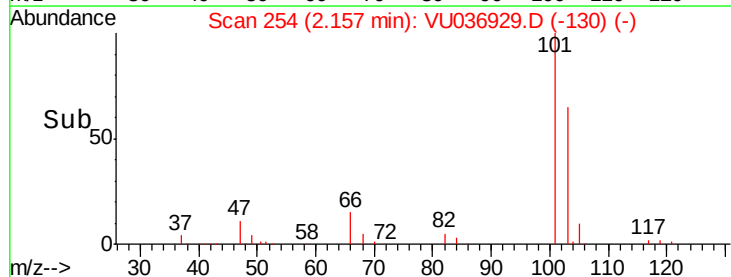
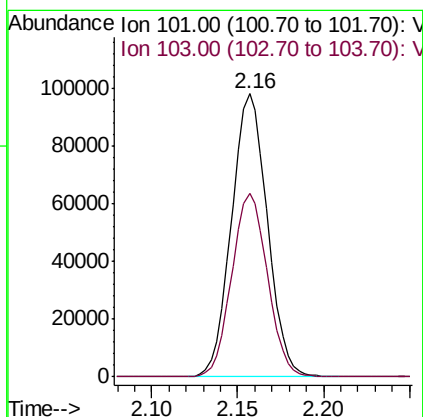
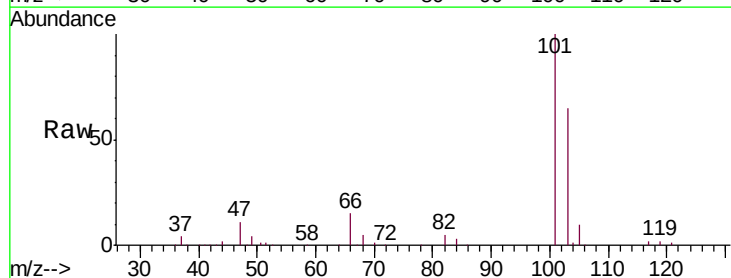
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

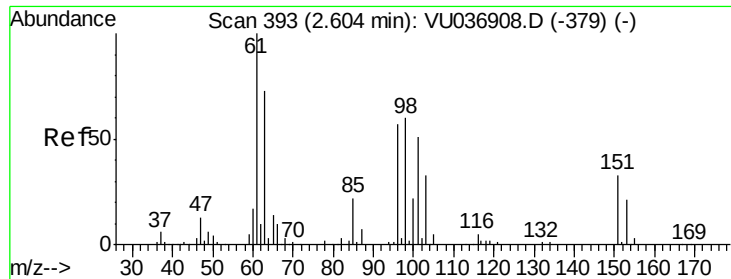
Tgt Ion: 64 Resp: 81354
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.424 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion: 101 Resp: 141986
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3





#10

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

Concen: 51.363 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

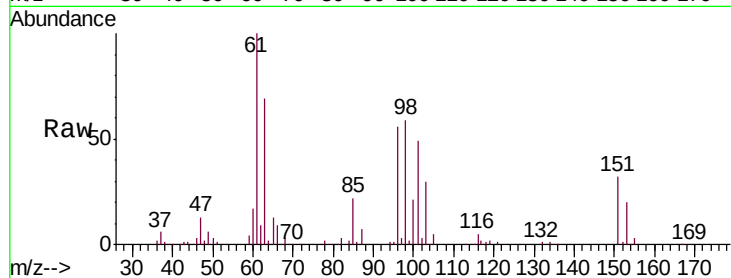
Tgt Ion:101 Resp: 83218

Ion Ratio Lower Upper

101 100

85 45.1 36.4 54.6

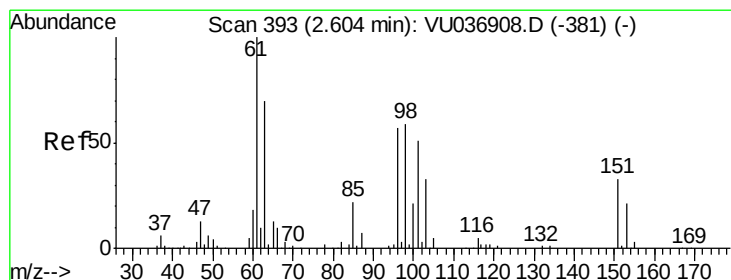
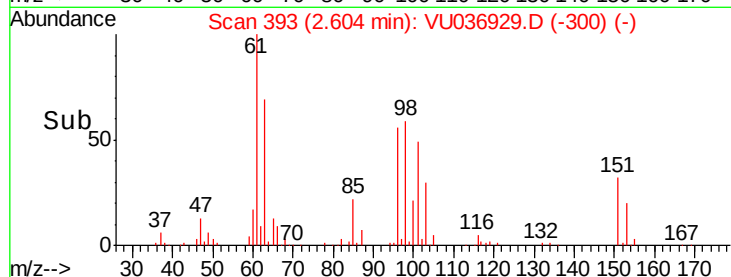
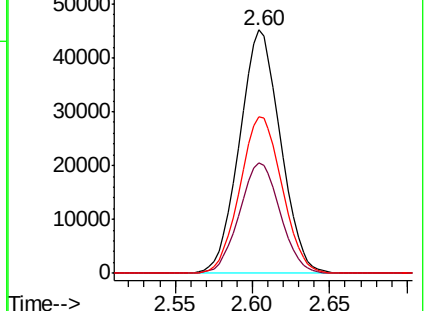
151 66.2 52.4 78.6



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: 51.516 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

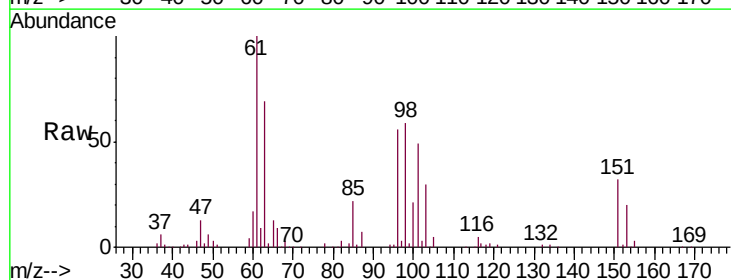
Tgt Ion: 96 Resp: 84420

Ion Ratio Lower Upper

96 100

61 178.5 127.5 236.7

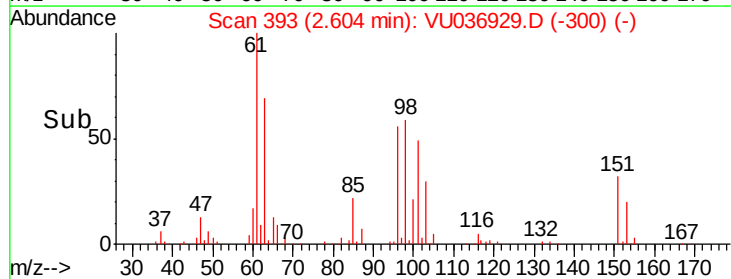
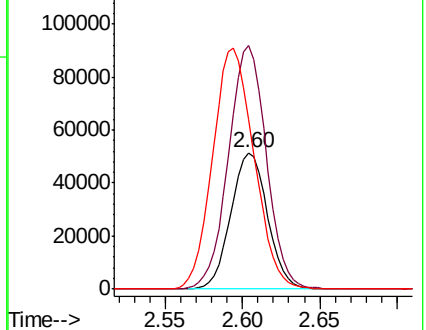
63 123.8 101.4 188.2

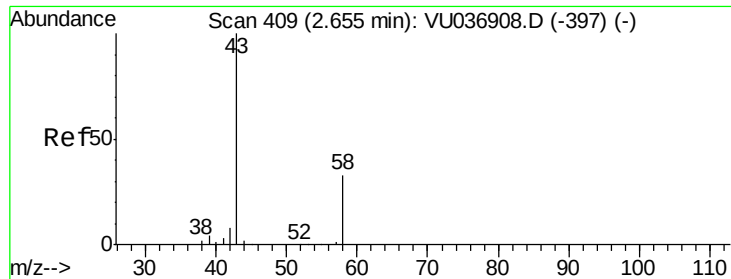


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.021 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

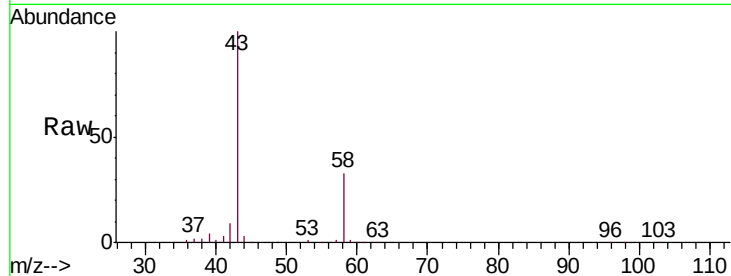
VSTD05059

Tgt Ion: 43 Resp: 108813

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036929.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036929.D (-316) (-)

2.66

60000

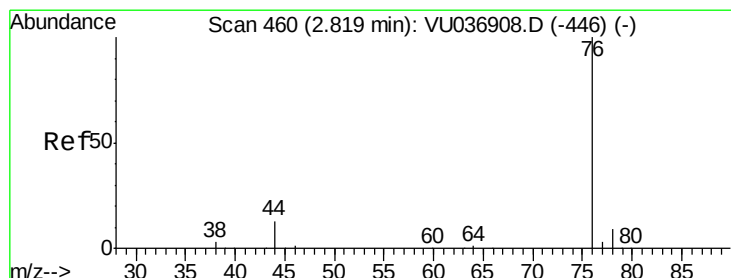
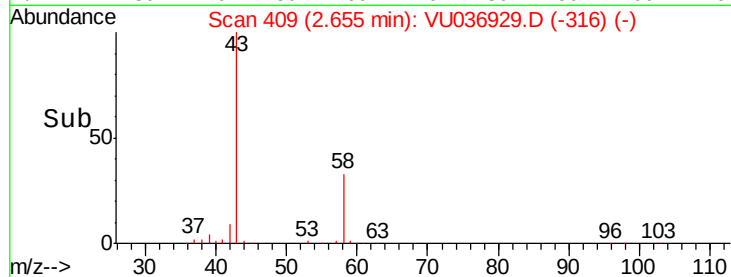
40000

20000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 49.709 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036929.D

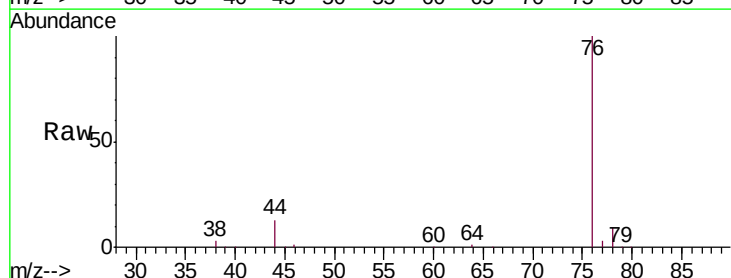
Acq: 26 Feb 2020 21:00

Tgt Ion: 76 Resp: 257727

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036929.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036929.D (-367) (-)

2.82

150000

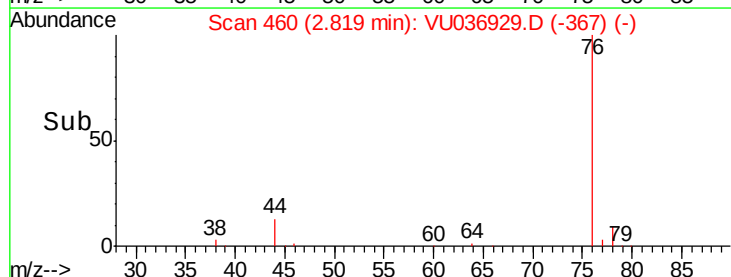
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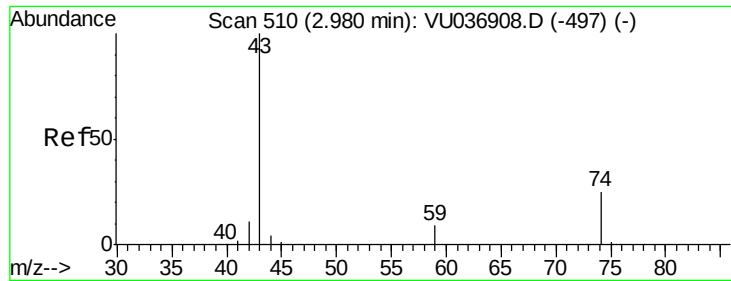
50000

0

Time-->

2.75 2.80 2.85 2.90

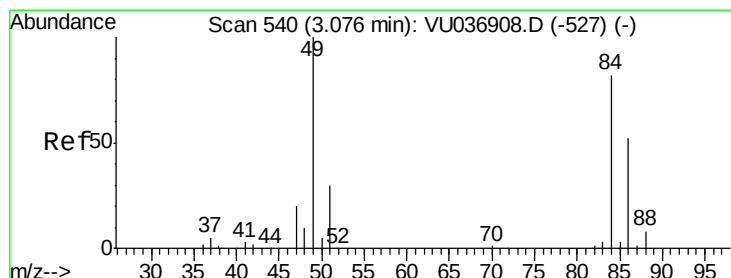
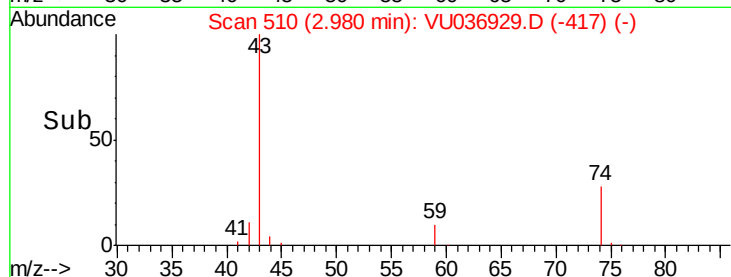
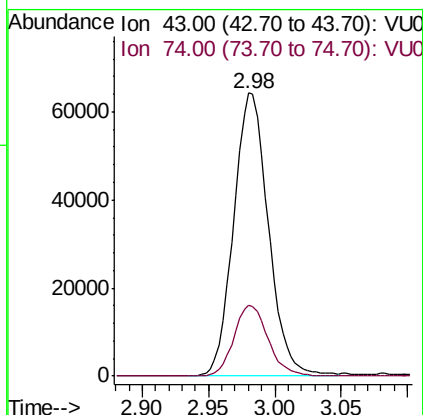
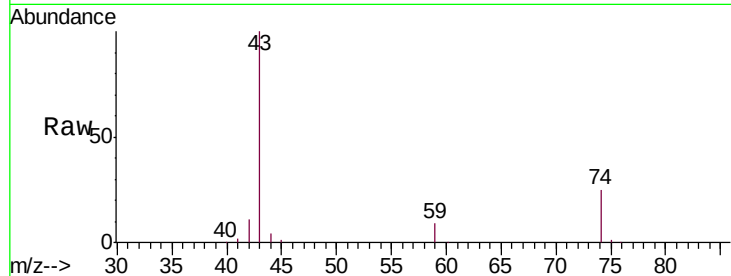




#15
Methyl Acetate
Concen: 52.381 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

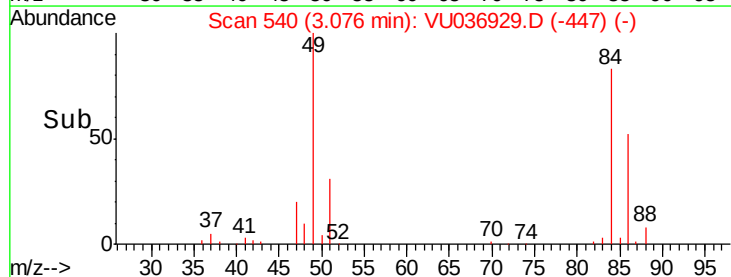
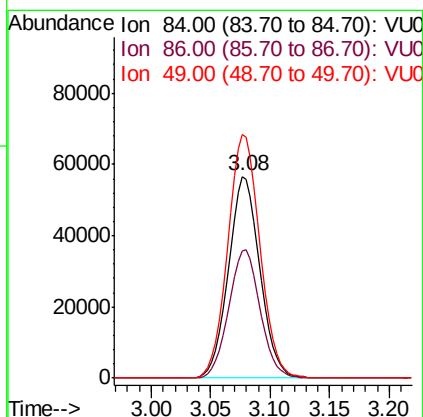
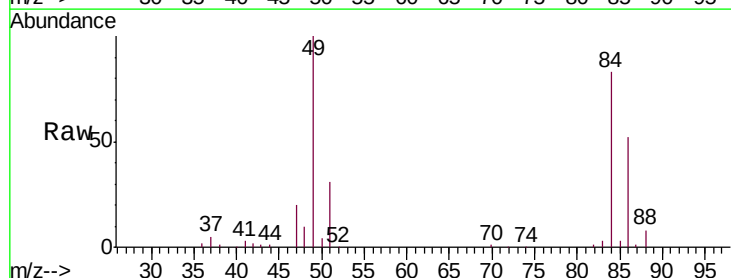
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

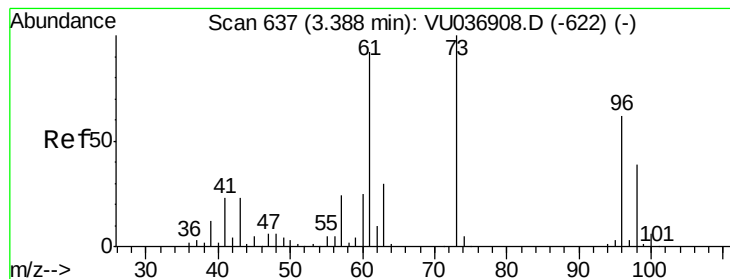
Tgt Ion: 43 Resp: 117366
Ion Ratio Lower Upper
43 100
74 24.5 19.0 28.4



#16
Methylene chloride
Concen: 51.836 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion: 84 Resp: 103607
Ion Ratio Lower Upper
84 100
86 63.1 44.4 82.5
49 120.9 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 50.943 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

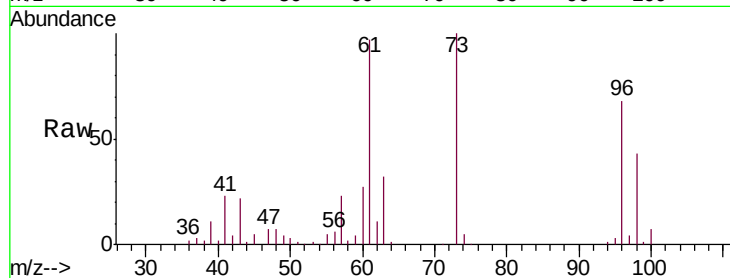
Tgt Ion: 96 Resp: 89679

Ion Ratio Lower Upper

96 100

61 142.6 103.8 192.8

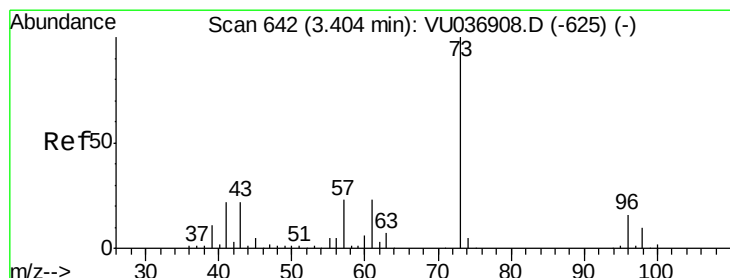
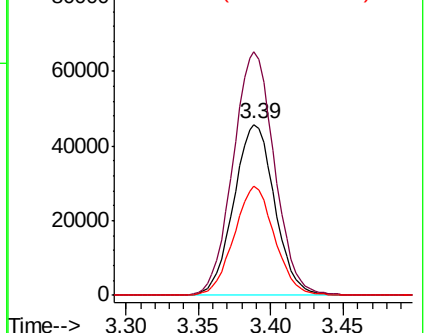
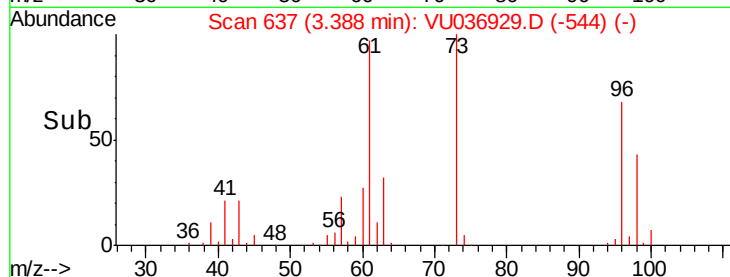
98 63.8 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036929.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036929.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036929.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 51.570 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

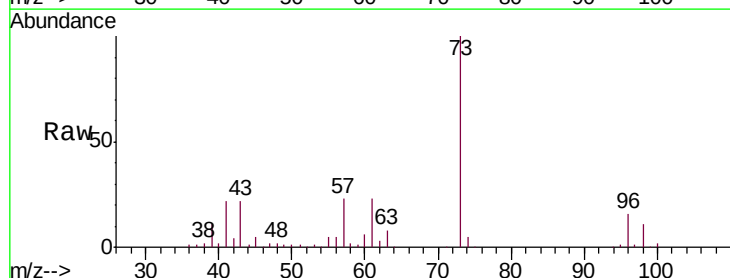
Tgt Ion: 73 Resp: 295097

Ion Ratio Lower Upper

73 100

43 22.1 18.1 27.1

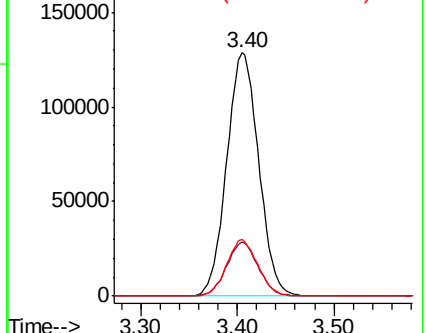
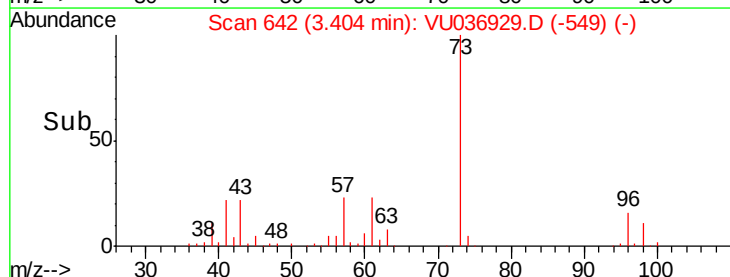
57 22.6 18.4 27.6

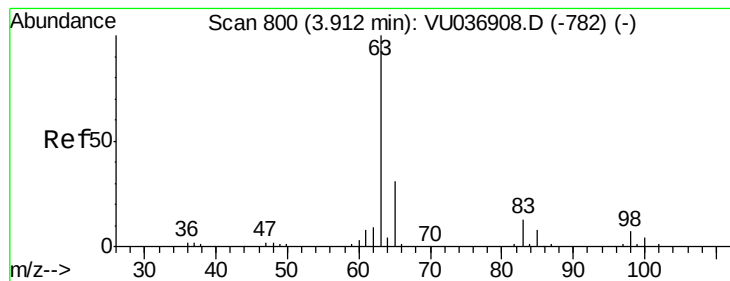


Abundance Ion 73.00 (72.70 to 73.70): VU036929.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036929.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036929.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 52.409 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

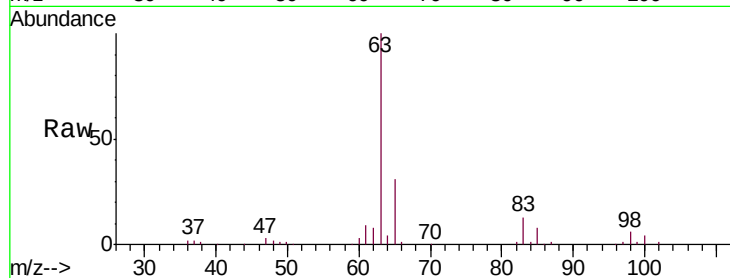
Tgt Ion: 63 Resp: 179269

Ion Ratio Lower Upper

63 100

65 31.4 21.3 39.5

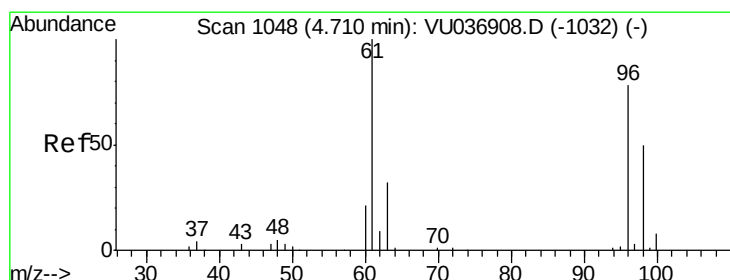
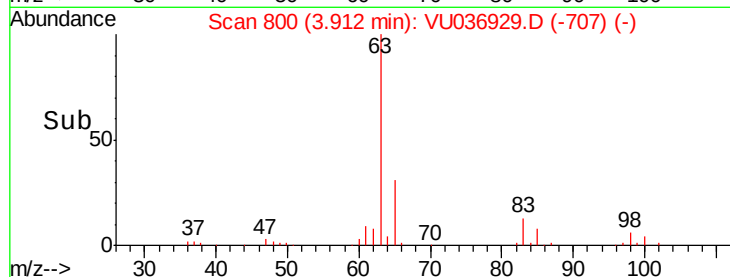
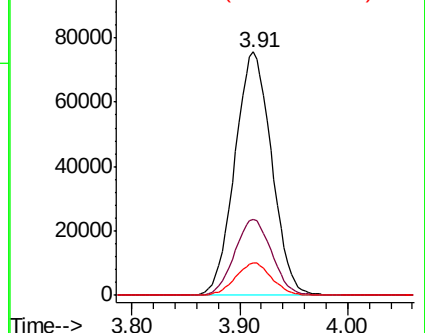
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036929.D (-955) (-)

Ion 65.00 (64.70 to 65.70): VU036929.D (-955) (-)

Ion 83.00 (82.70 to 83.70): VU036929.D (-955) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.155 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

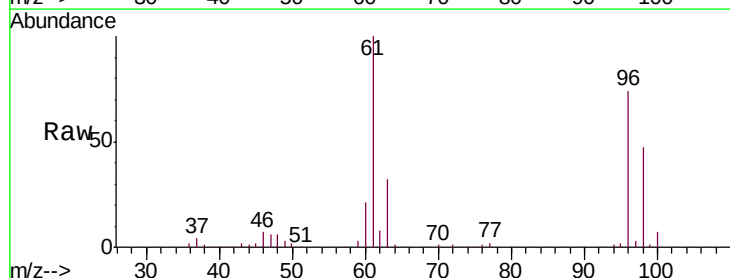
Tgt Ion: 96 Resp: 102661

Ion Ratio Lower Upper

96 100

61 135.1 93.1 172.9

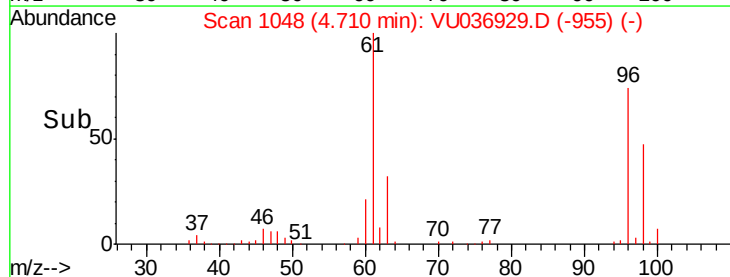
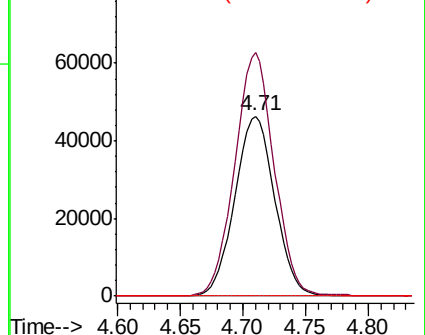
68 0.0 0.0 0.0

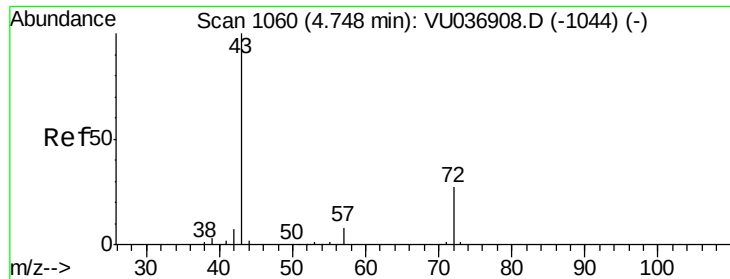


Abundance Ion 96.00 (95.70 to 96.70): VU036929.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU036929.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036929.D (-955) (-)





#22

2-Butanone

Concen: 95.402 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

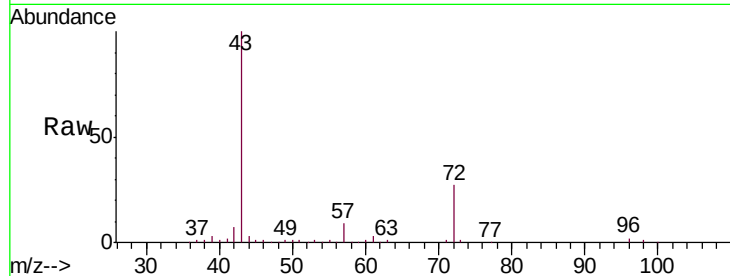
VSTD05059

Tgt Ion: 43 Resp: 169115

Ion Ratio Lower Upper

43 100

72 28.1 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036929.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU036929.D (-967) (-)

4.75

80000

60000

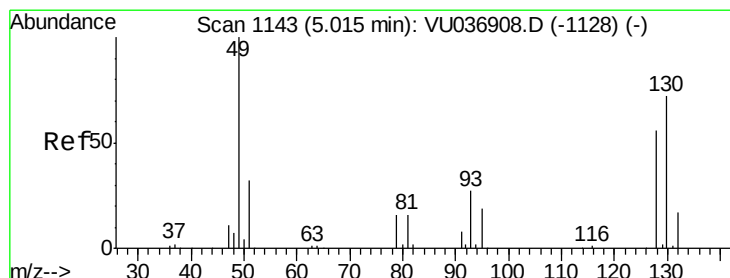
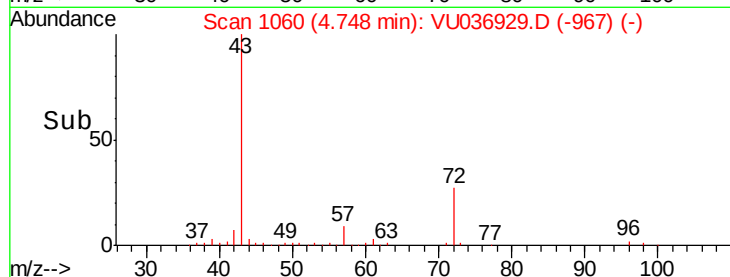
40000

20000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 52.766 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Tgt Ion: 128 Resp: 47036

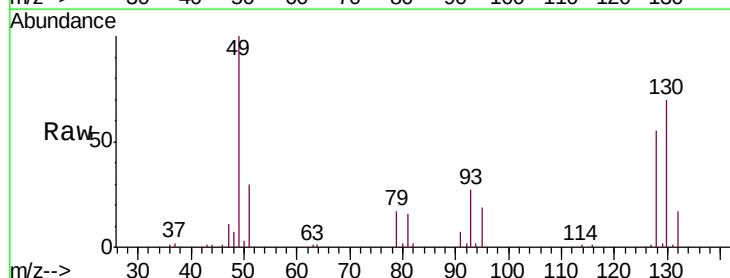
Ion Ratio Lower Upper

128 100

49 181.6 126.5 234.9

130 127.6 86.0 159.8

51 54.6 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036929.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU036929.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU036929.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU036929.D (-1050) (-)

5.02

60000

50000

40000

30000

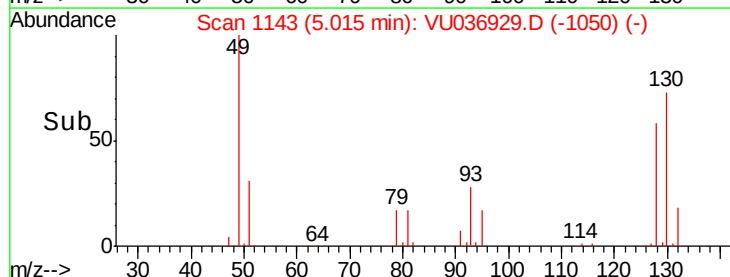
20000

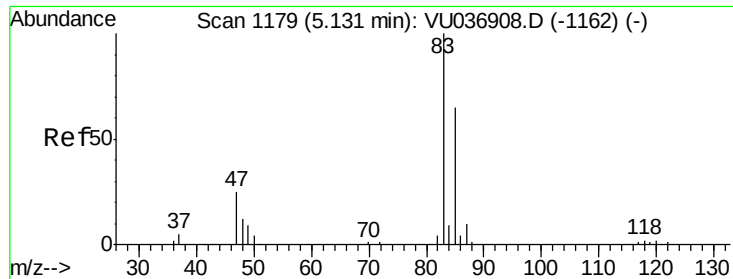
10000

0

4.95 5.00 5.05 5.10

Time-->

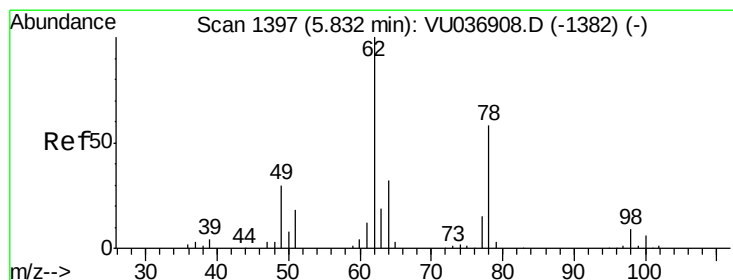
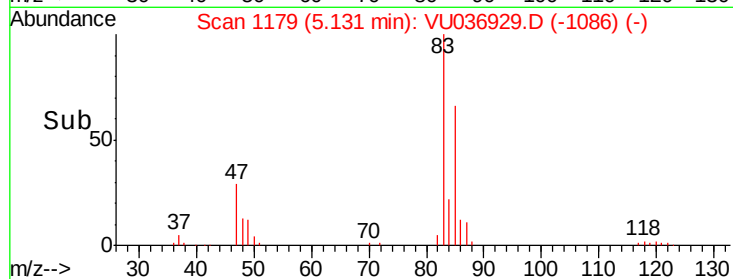
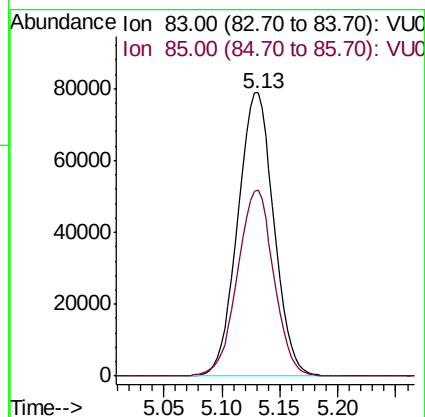
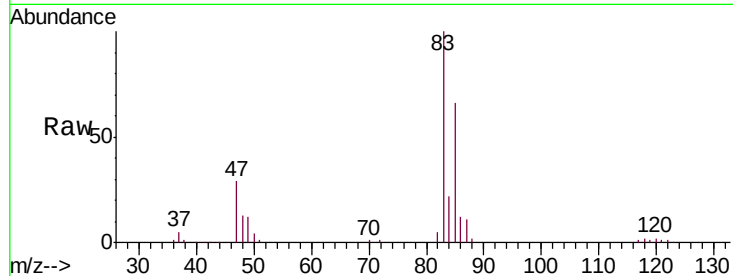




#25
Chloroform
Concen: 51.809 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

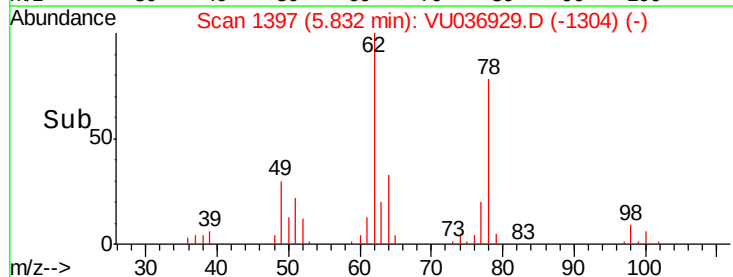
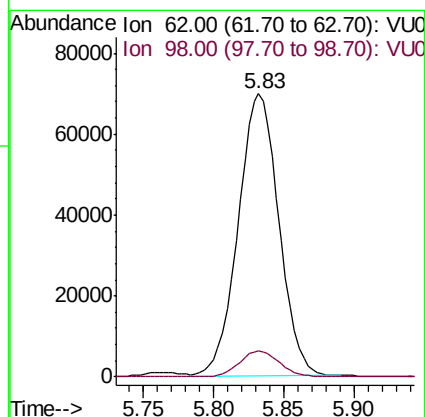
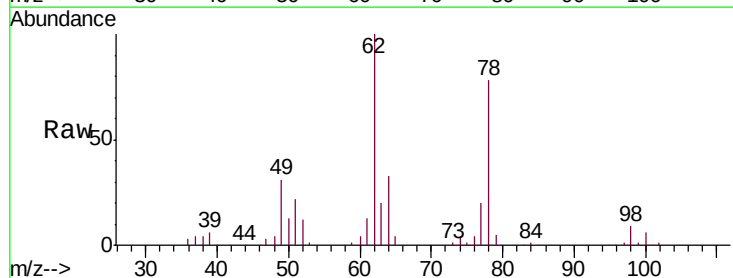
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

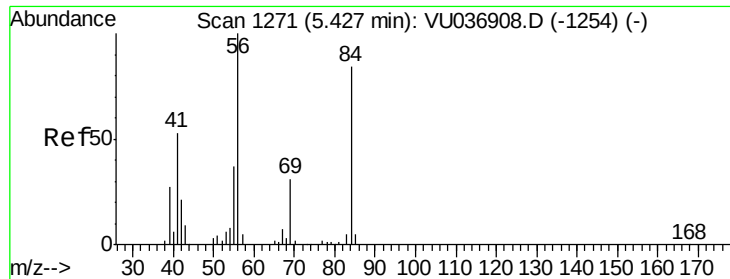
Tgt Ion: 83 Resp: 170991
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.454 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion: 62 Resp: 140941
Ion Ratio Lower Upper
62 100
98 9.1 7.1 10.7

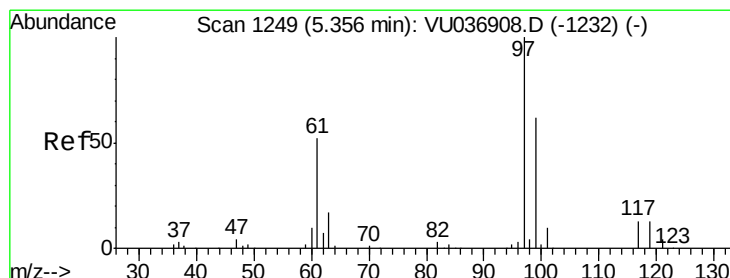
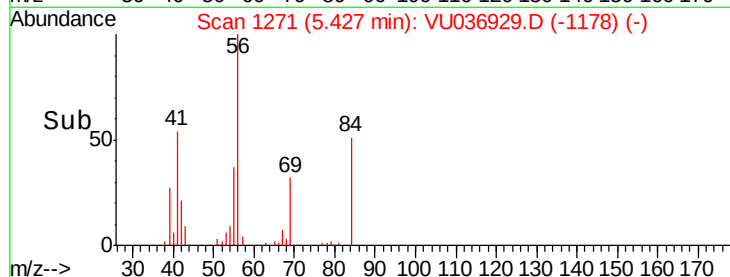
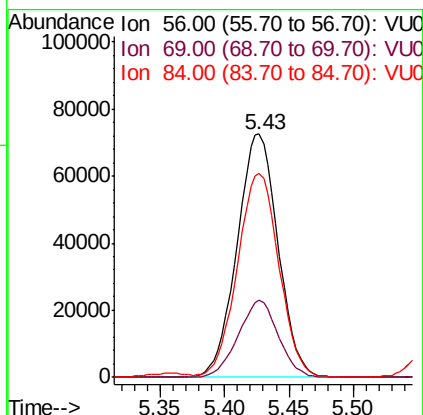
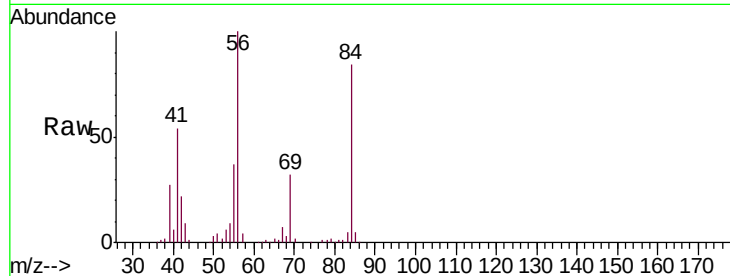




#29
Cyclohexane
Concen: 49.588 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

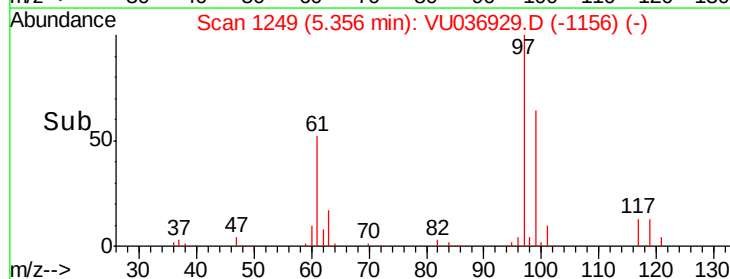
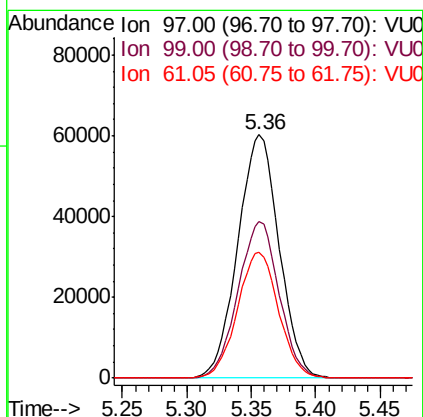
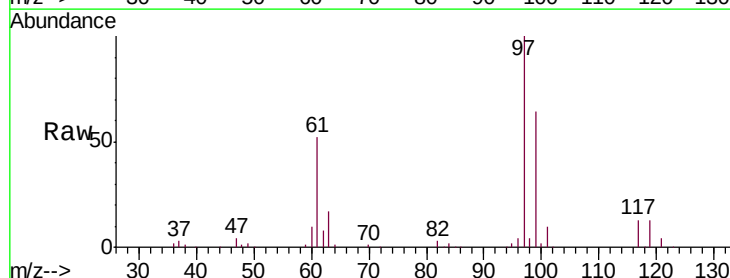
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

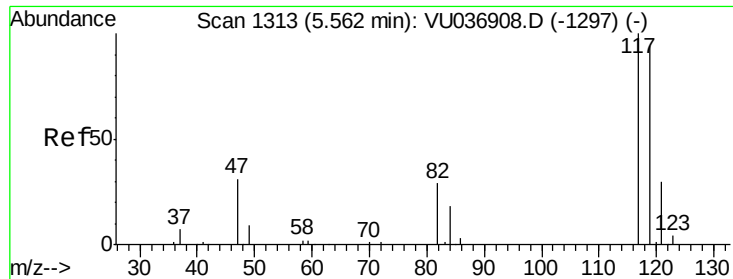
Tgt Ion: 56 Resp: 160482
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 85.1 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 51.435 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion: 97 Resp: 134491
Ion Ratio Lower Upper
97 100
99 64.0 50.4 75.6
61 51.6 40.3 60.5





#31

Carbon tetrachloride

Concen: 51.432 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

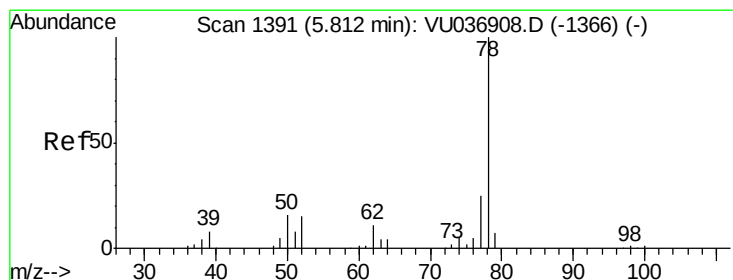
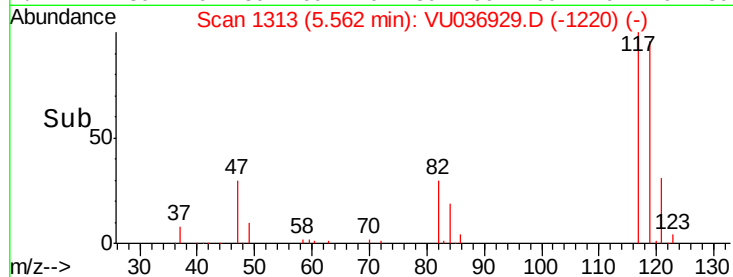
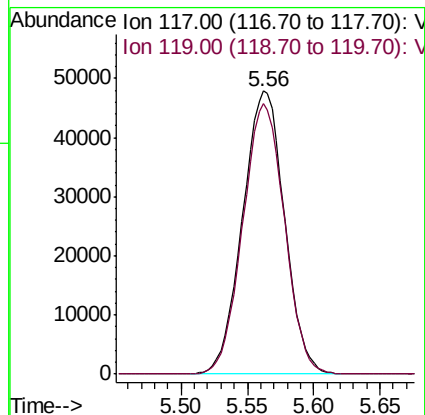
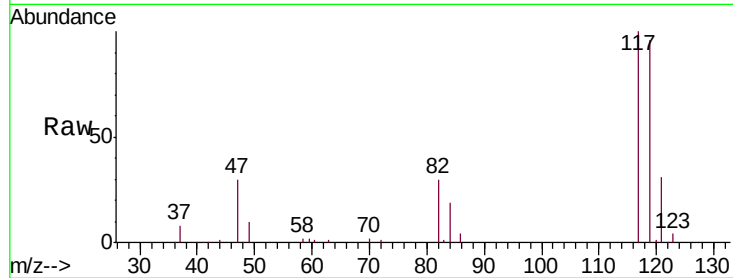
VSTD05059

Tgt Ion:117 Resp: 105409

Ion Ratio Lower Upper

117 100

119 95.0 77.2 115.8



#33

Benzene

Concen: 51.700 ug/L

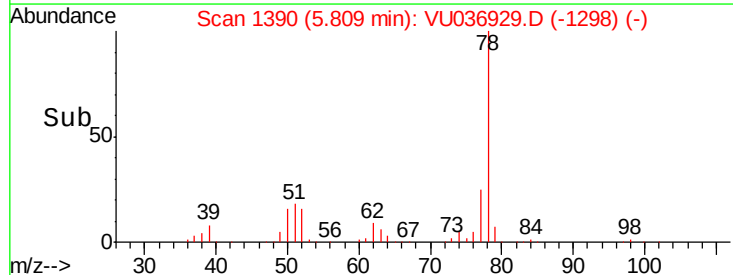
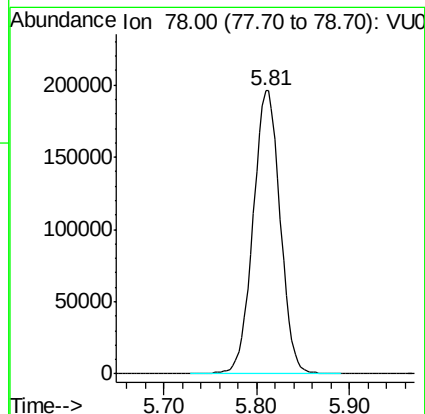
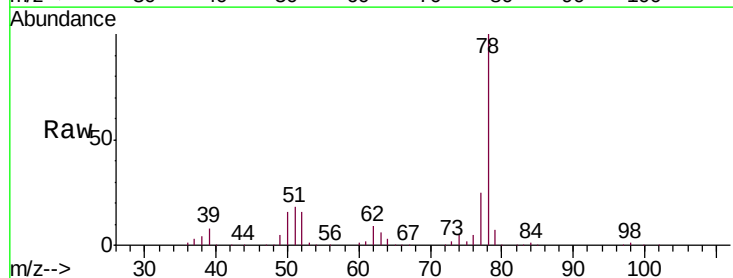
RT: 5.81 min Scan# 1390

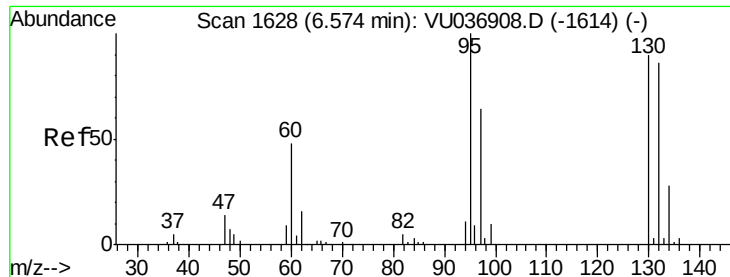
Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Tgt Ion: 78 Resp: 398323





#34

Trichloroethene

Concen: 51.105 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 96774

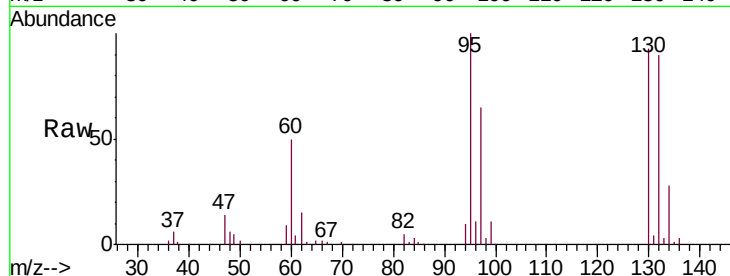
Ion Ratio Lower Upper

95 100

97 64.8 44.1 81.9

132 89.6 60.6 112.6

130 92.8 64.9 120.5

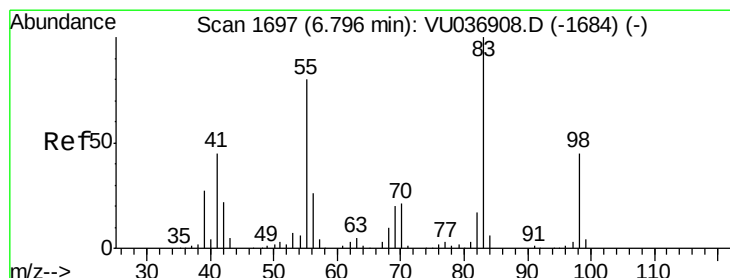
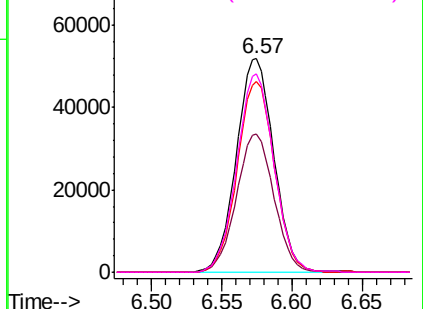
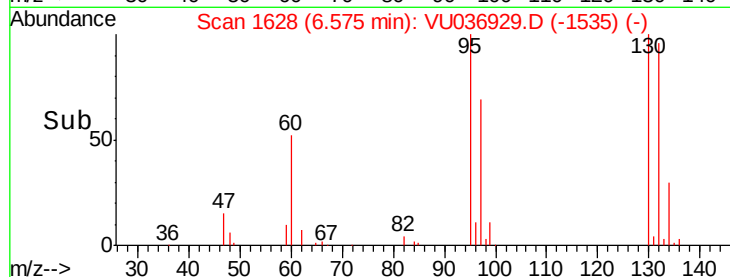


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.144 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

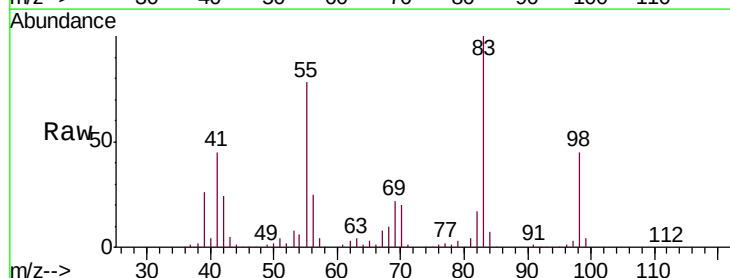
Tgt Ion: 83 Resp: 161352

Ion Ratio Lower Upper

83 100

55 78.0 62.6 93.8

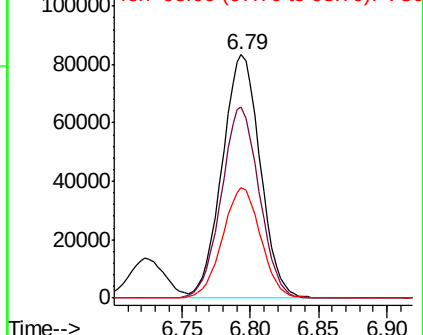
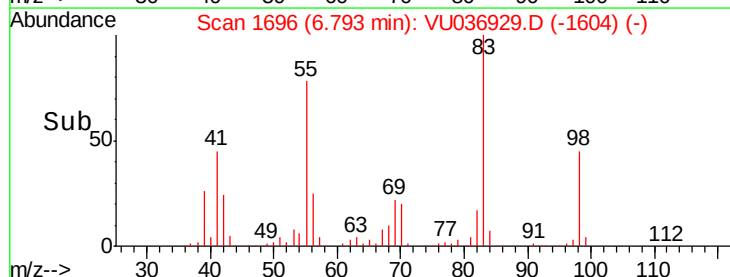
98 45.5 35.1 52.7

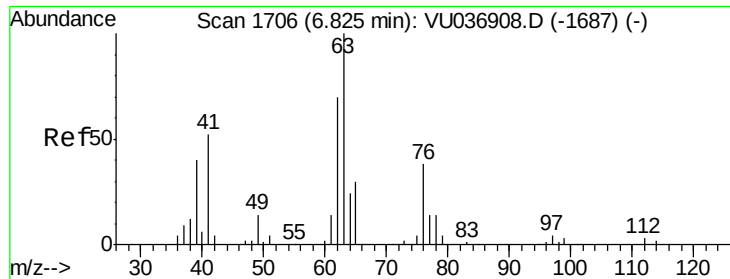


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

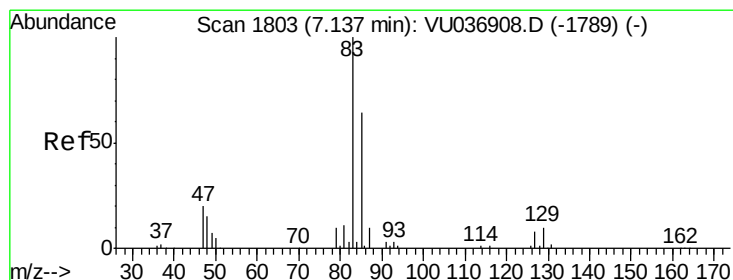
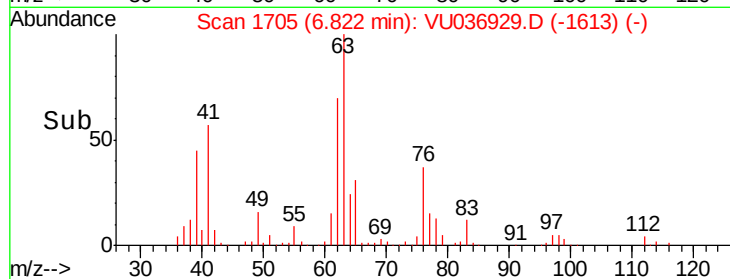
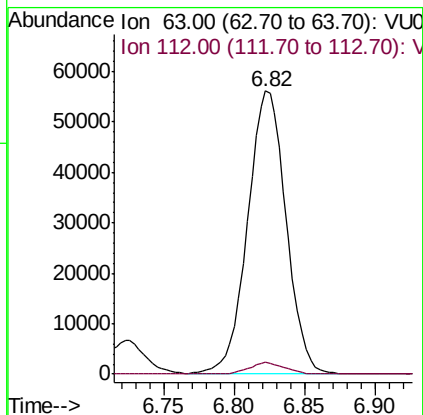
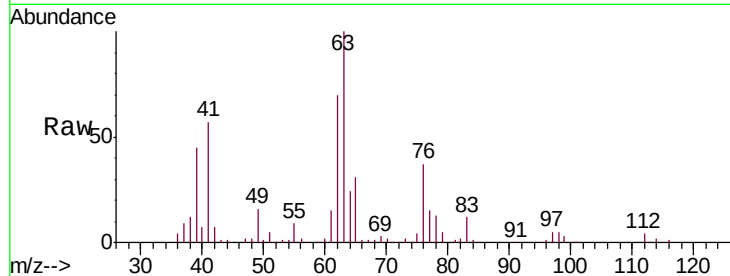




#37
 1,2-Dichloropropane
 Concen: 51.157 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

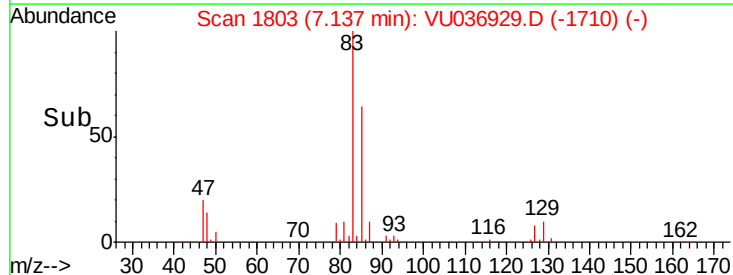
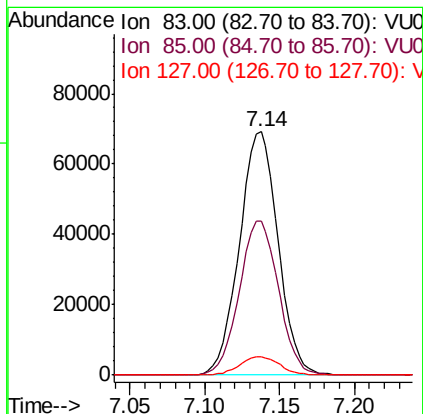
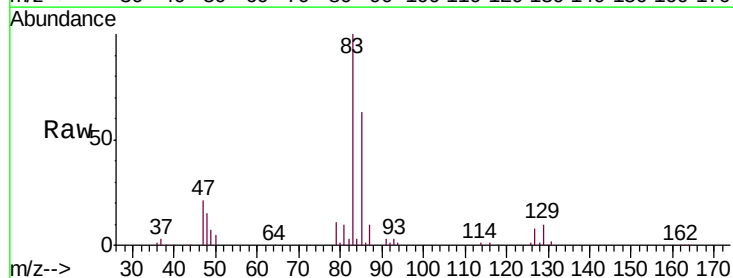
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

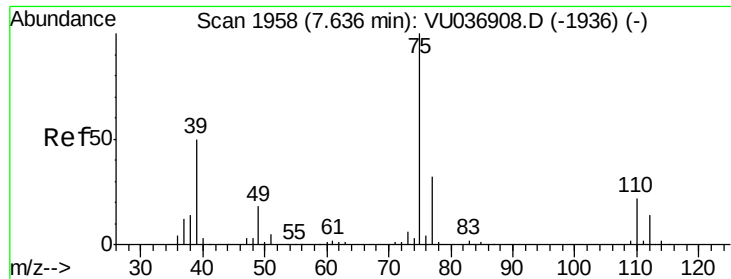
Tgt Ion: 63 Resp: 106125
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.879 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion: 83 Resp: 124588
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.6 81.0
 127 7.6 6.0 9.0

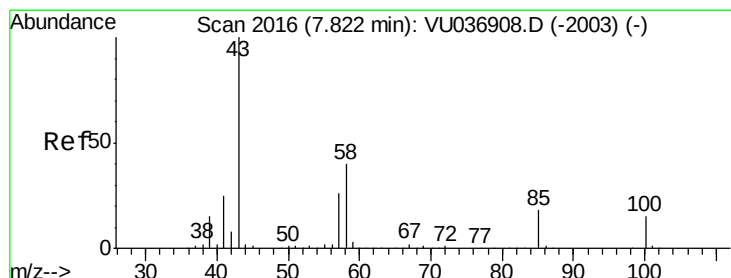
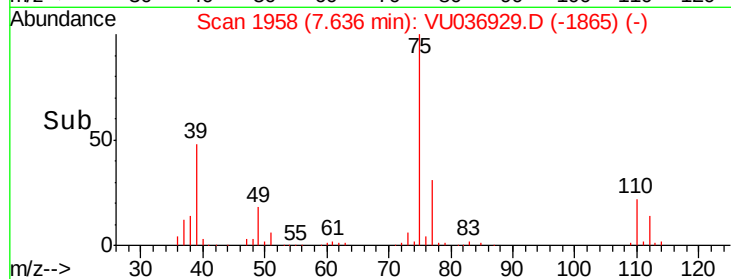
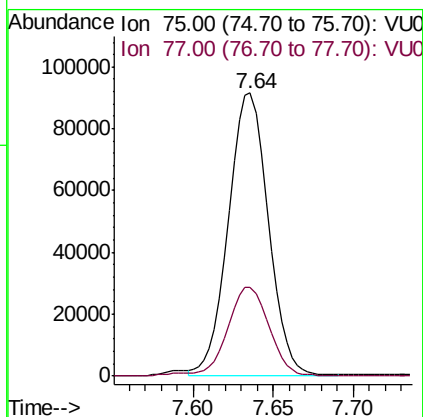
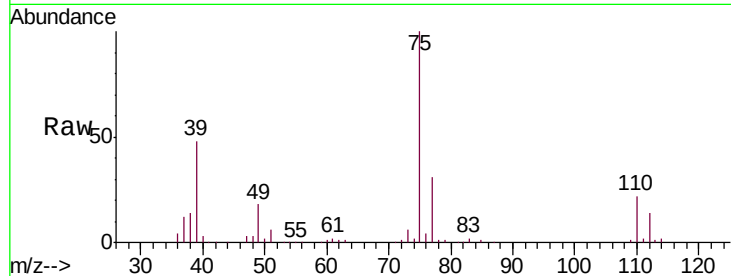




#39
 cis-1,3-Dichloropropene
 Concen: 48.782 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

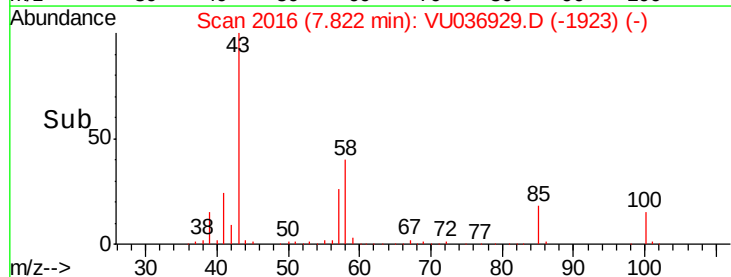
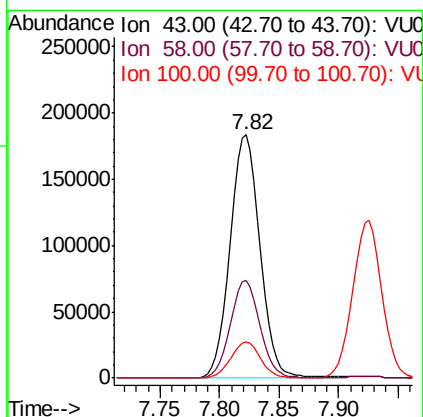
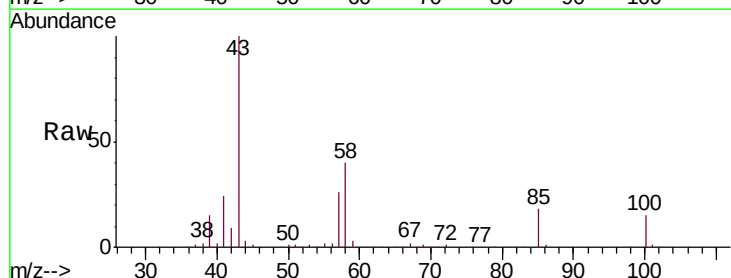
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

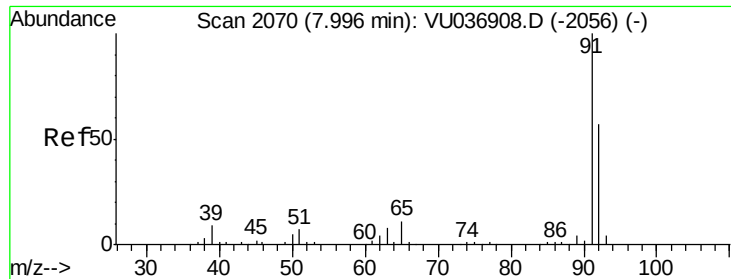
Tgt Ion: 75 Resp: 155886
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 104.813 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion: 43 Resp: 320388
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 14.7 11.5 17.3





#42

Toluene

Concen: 51.740 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampled :

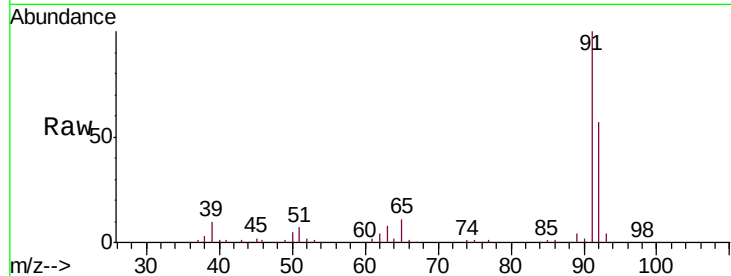
VSTD05059

Tgt Ion: 91 Resp: 424696

Ion Ratio Lower Upper

91 100

92 56.8 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036908.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036908.D (-2056) (-)

8.00

250000

200000

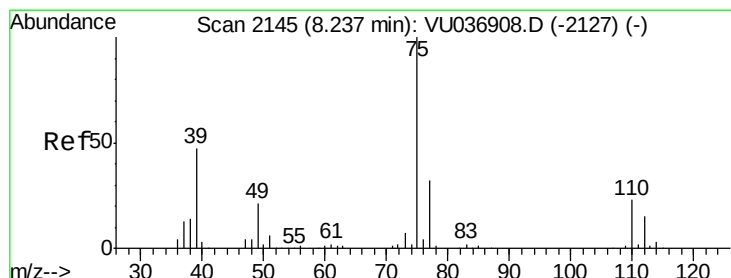
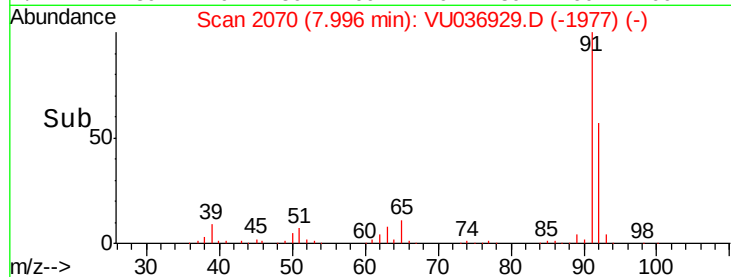
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.048 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU036929.D

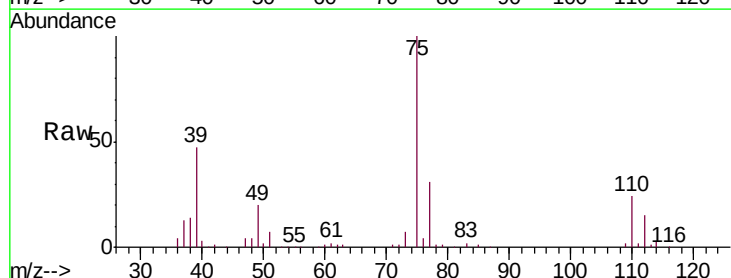
Acq: 26 Feb 2020 21:00

Tgt Ion: 75 Resp: 138736

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036908.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036908.D (-2127) (-)

8.23

80000

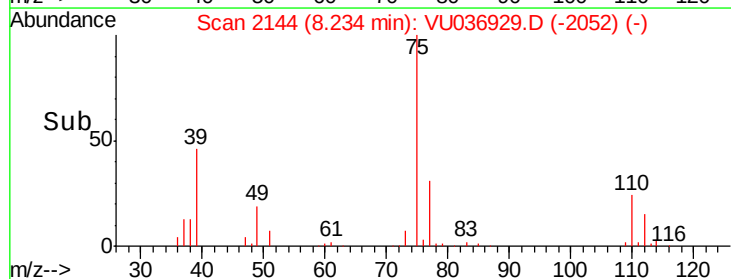
60000

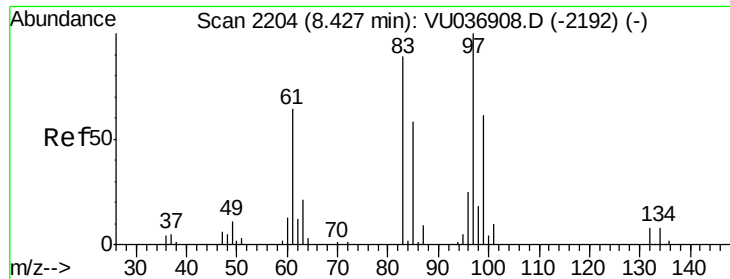
40000

20000

0

Time-->

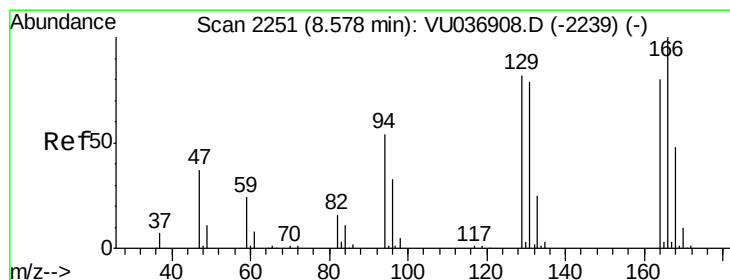
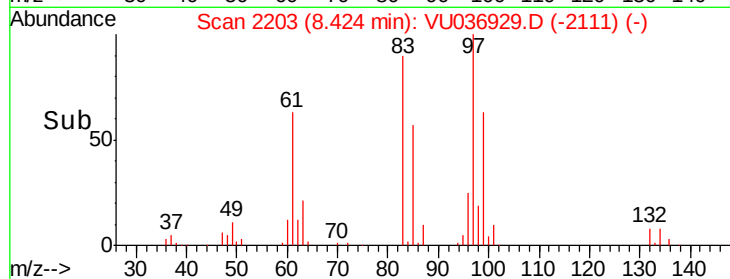
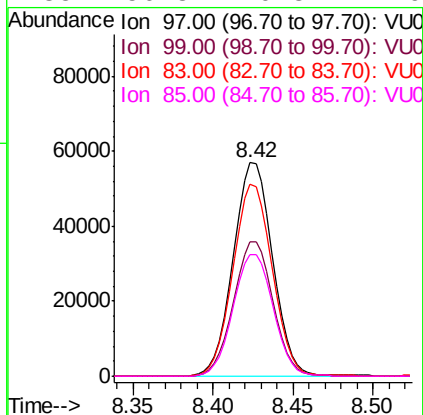
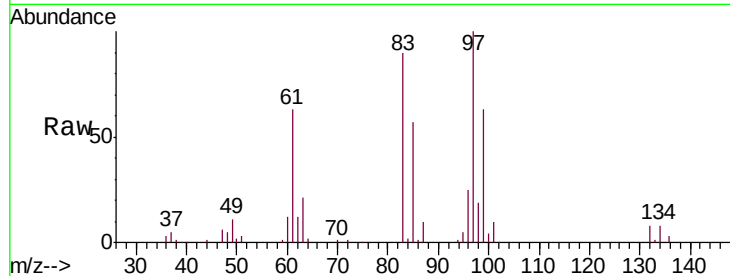




#45
 1,1,2-Trichloroethane
 Concen: 51.787 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

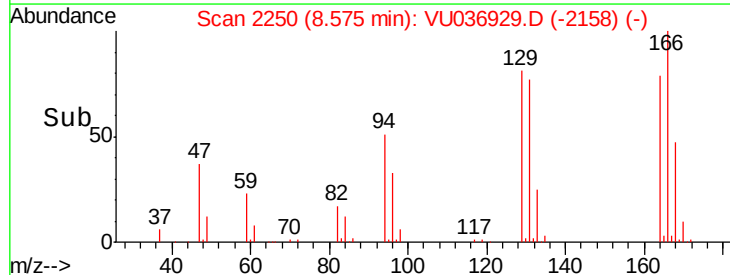
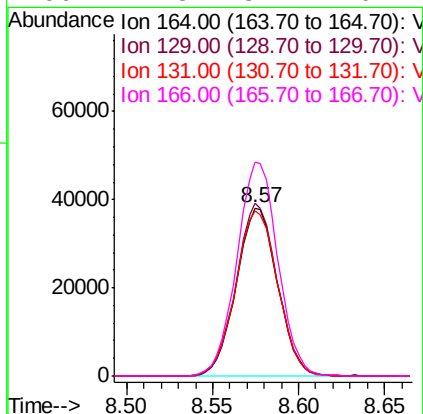
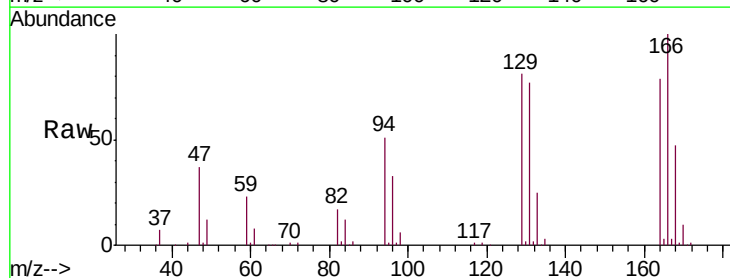
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

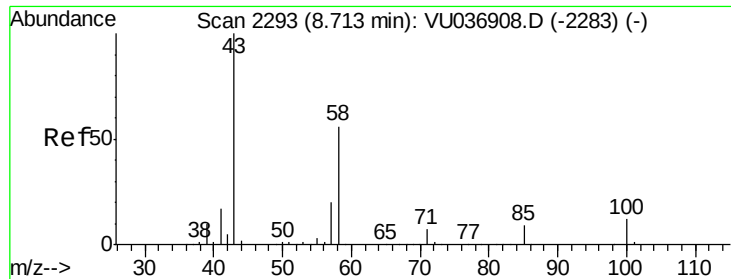
Tgt Ion:	97	Resp:	95534
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.6	81.0
83	90.2	62.7	116.5
85	56.8	40.3	74.9



#46
 Tetrachloroethene
 Concen: 50.716 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion:	164	Resp:	63267
Ion	Ratio	Lower	Upper
164	100		
129	102.7	72.0	133.8
131	98.5	67.9	126.1
166	127.3	87.1	161.7

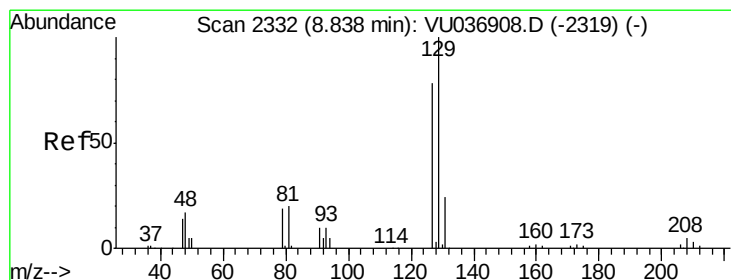
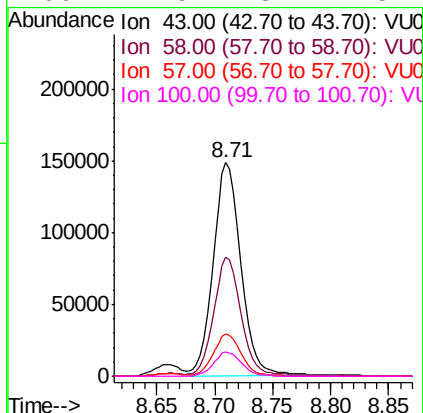
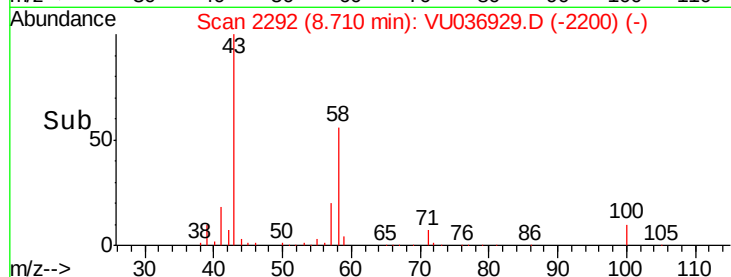
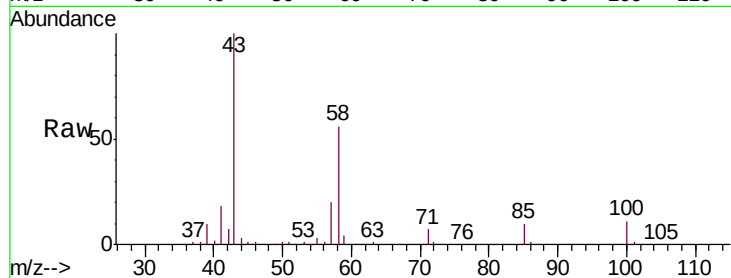




#48
2-Hexanone
Concen: 101.451 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

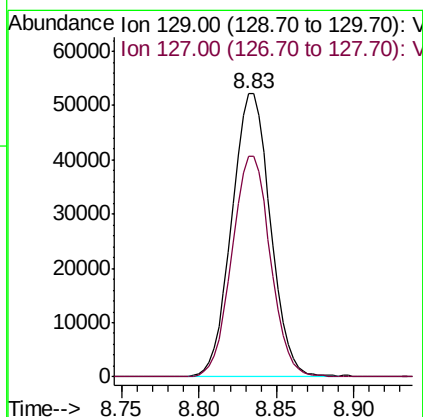
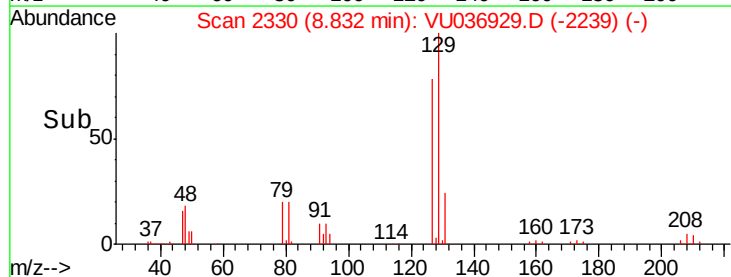
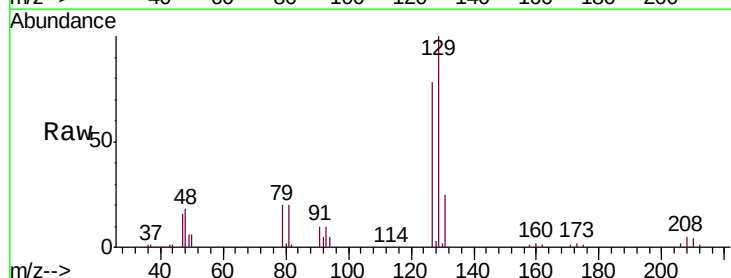
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

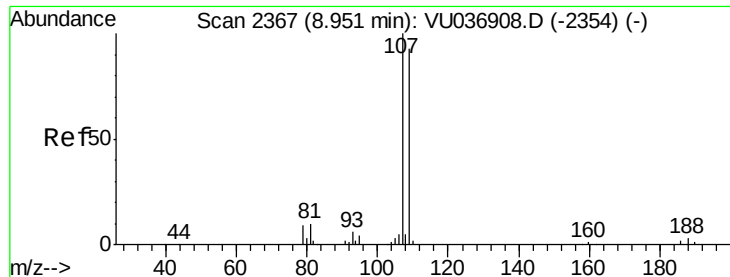
Tgt Ion: 43 Resp: 247469
Ion Ratio Lower Upper
43 100
58 54.5 43.5 65.3
57 20.0 15.1 22.7
100 11.5 8.7 13.1



#49
Dibromochloromethane
Concen: 51.815 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.01 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion: 129 Resp: 90726
Ion Ratio Lower Upper
129 100
127 77.7 54.3 100.8

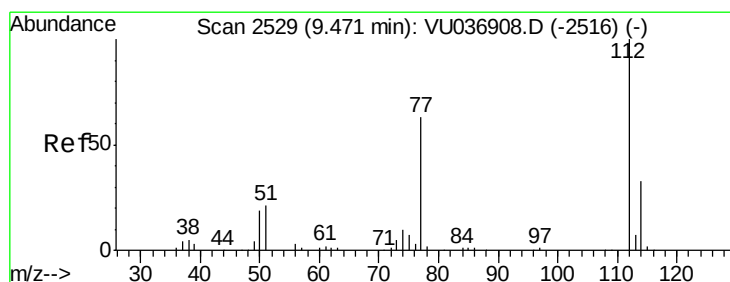
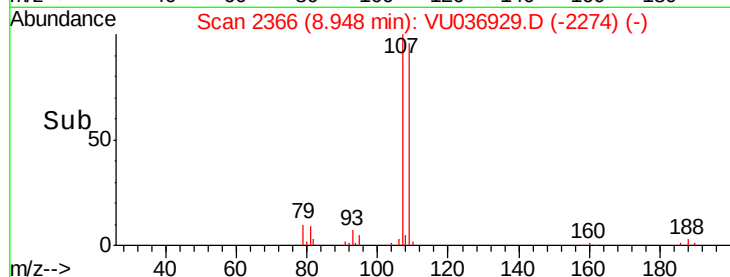
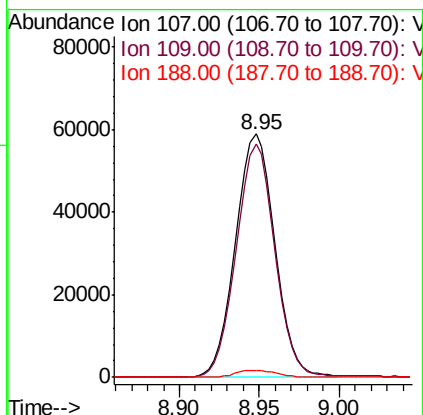
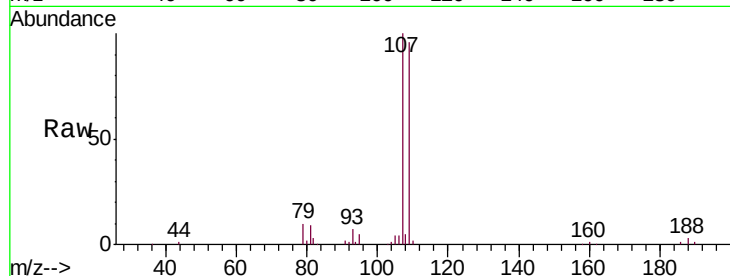




#50
1,2-Dibromoethane
Concen: 51.367 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

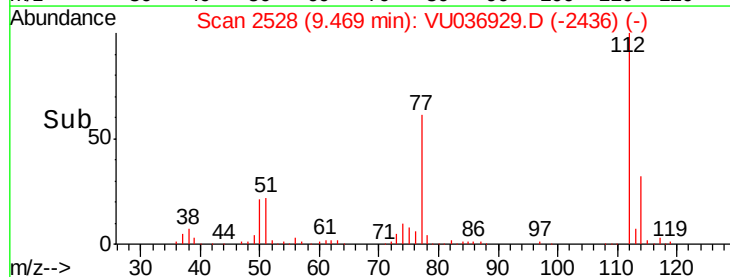
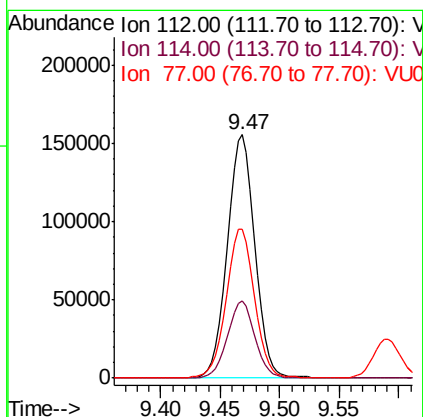
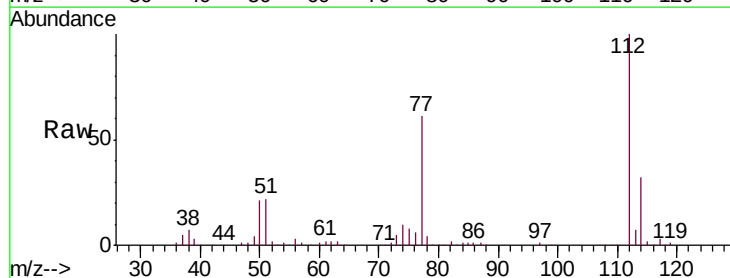
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

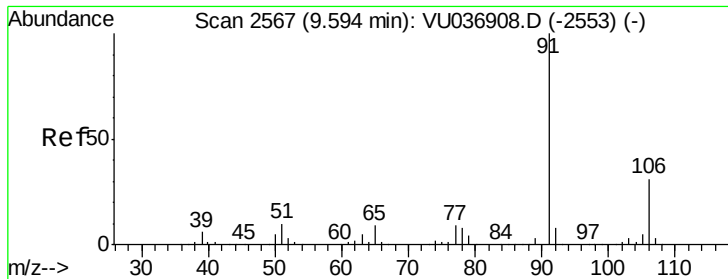
Tgt Ion:107 Resp: 99091
Ion Ratio Lower Upper
107 100
109 96.0 65.9 122.5
188 2.8 2.2 3.2



#51
Chlorobenzene
Concen: 51.362 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036929.D
Acq: 26 Feb 2020 21:00

Tgt Ion:112 Resp: 249804
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 61.4 50.1 75.1





#52

Ethylbenzene

Concen: 51.080 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

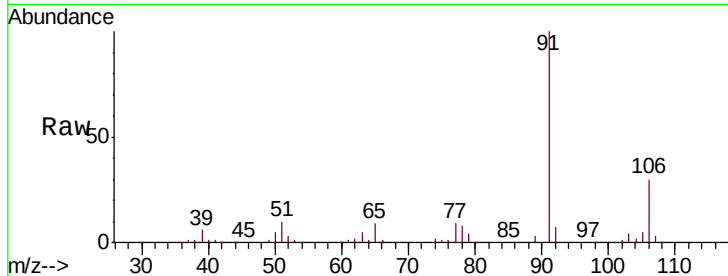
VSTD05059

Tgt Ion: 91 Resp: 454524

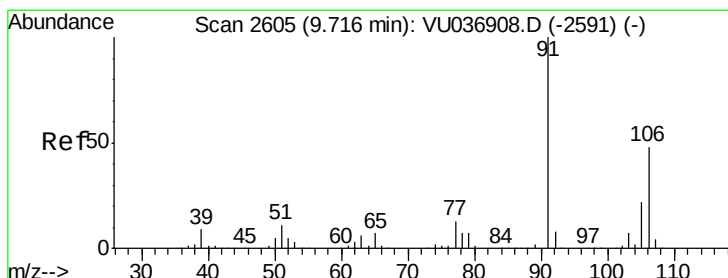
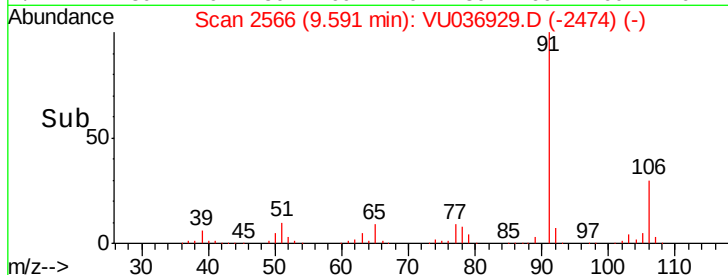
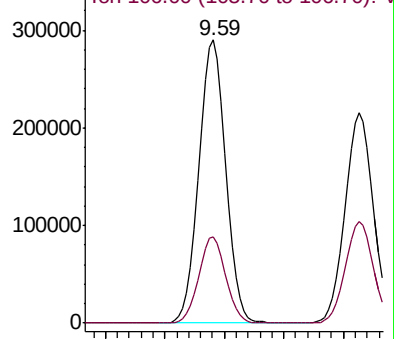
Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036908.D (-2553) (-)



#53

m,p-Xylene

Concen: 52.162 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036929.D

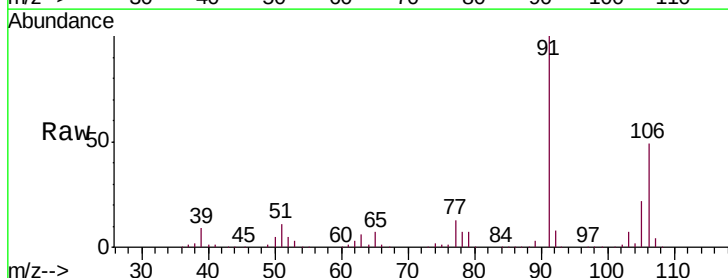
Acq: 26 Feb 2020 21:00

Tgt Ion: 106 Resp: 170259

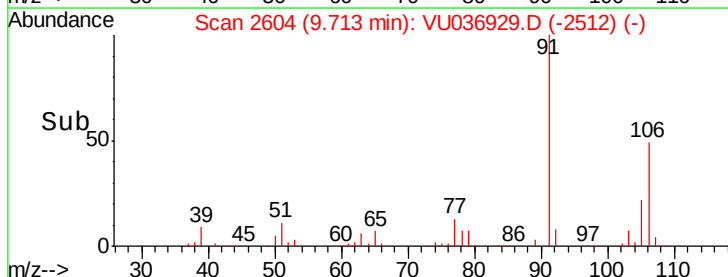
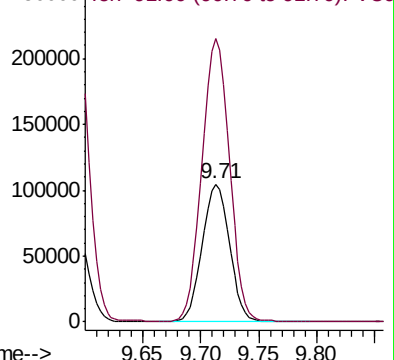
Ion Ratio Lower Upper

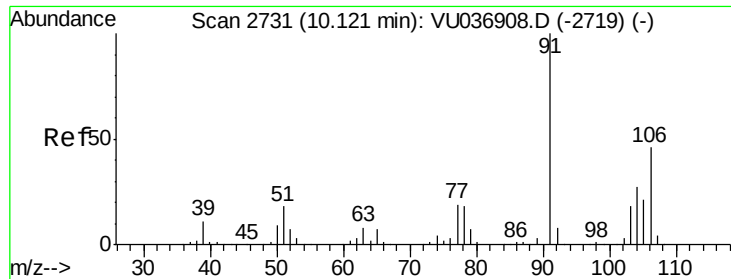
106 100

91 205.8 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036908.D (-2591) (-)





#54

o-xylene

Concen: 51.368 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

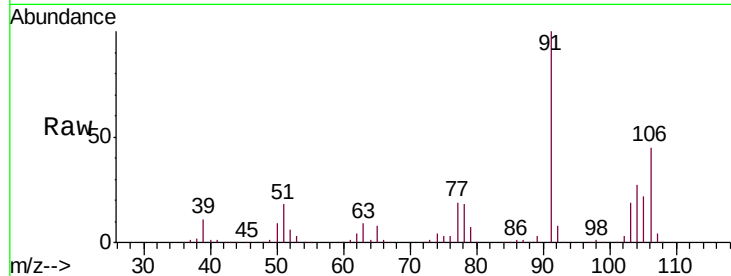
VSTD05059

Tgt Ion:106 Resp: 167227

Ion Ratio Lower Upper

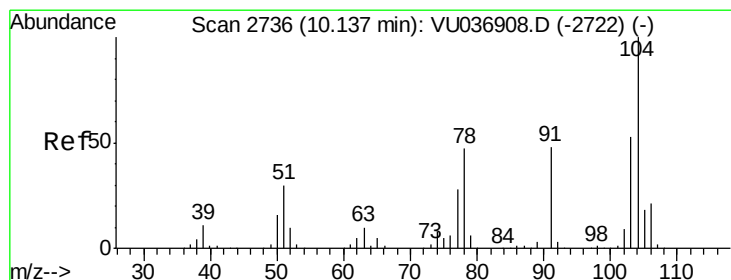
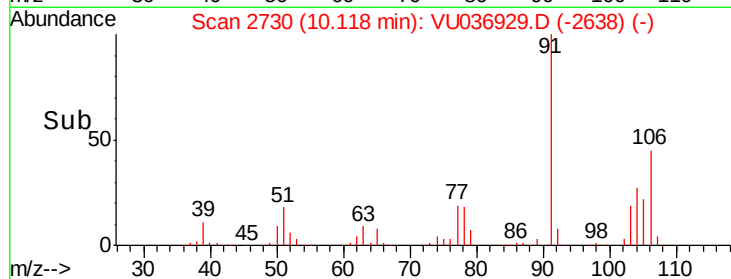
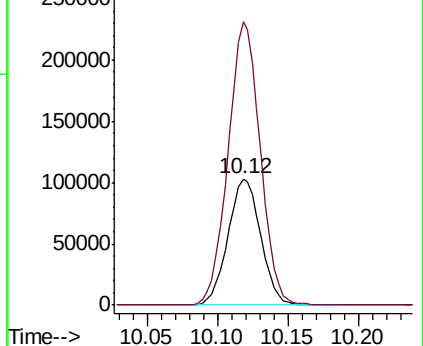
106 100

91 223.7 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.035 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU036929.D

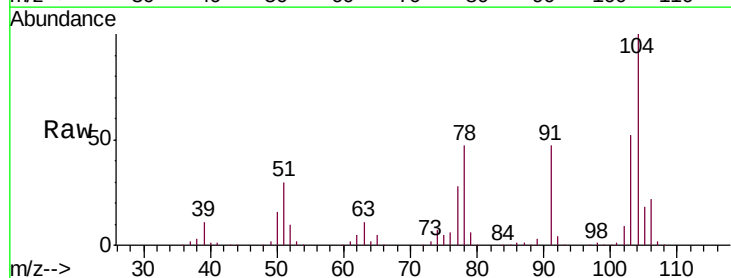
Acq: 26 Feb 2020 21:00

Tgt Ion:104 Resp: 276916

Ion Ratio Lower Upper

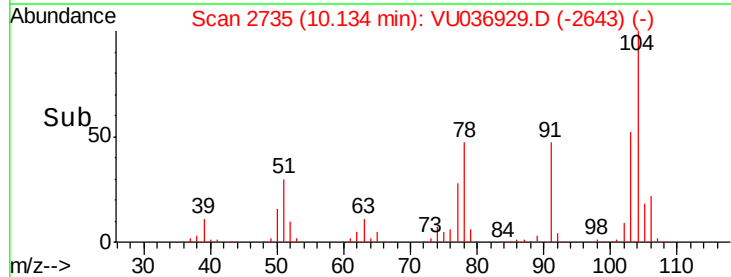
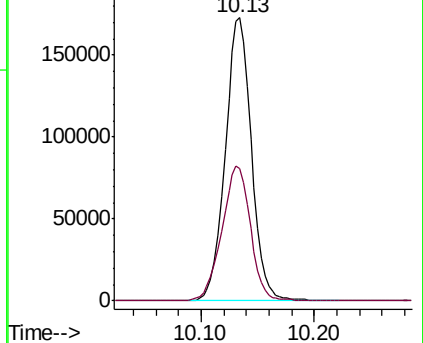
104 100

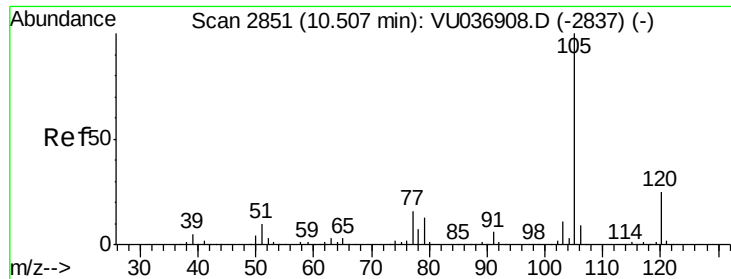
78 46.7 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.038 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.01 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

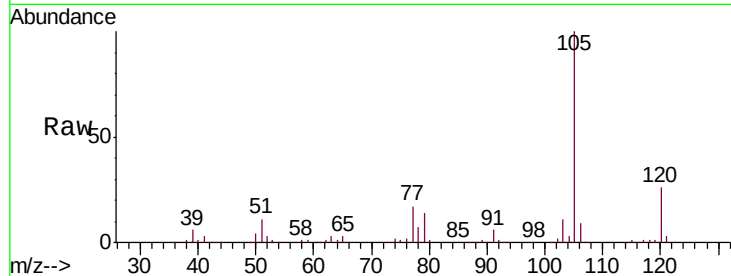
Tgt Ion: 105 Resp: 426748

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

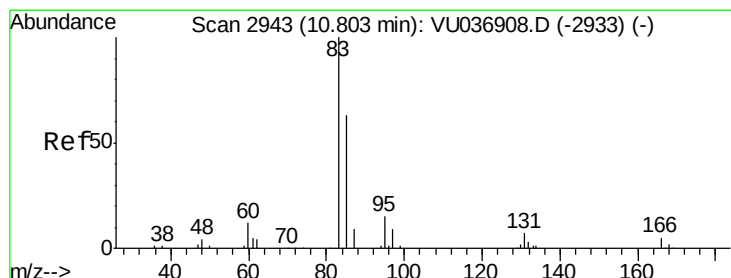
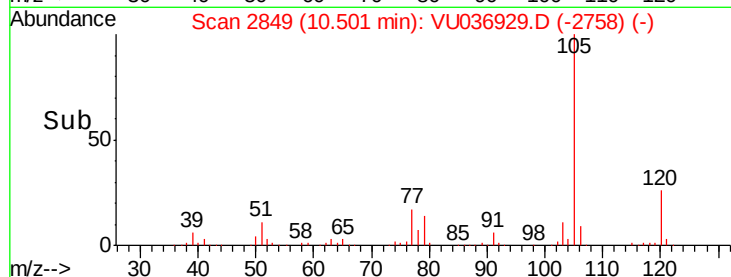
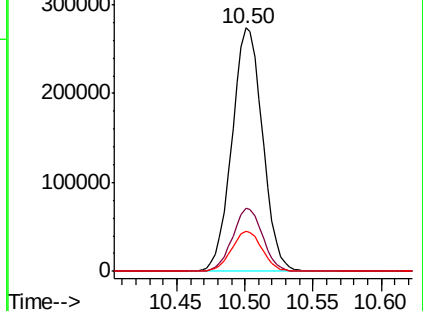
77 16.5 13.1 19.7



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: 51.755 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

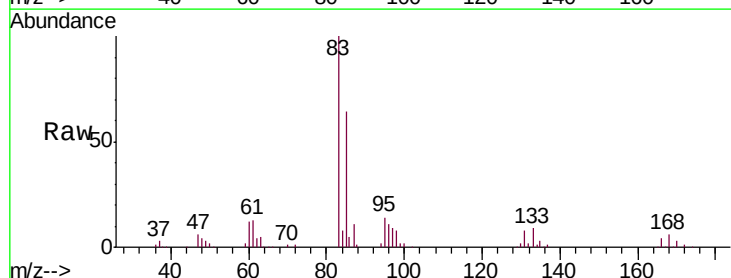
Tgt Ion: 83 Resp: 170688

Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

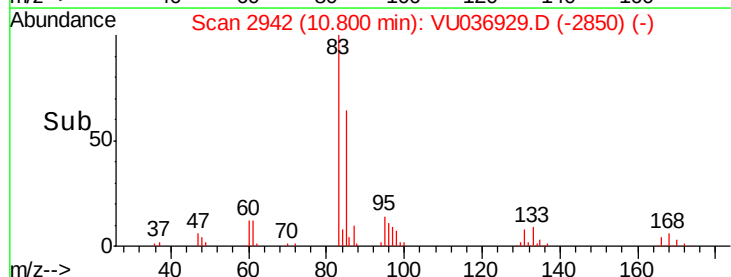
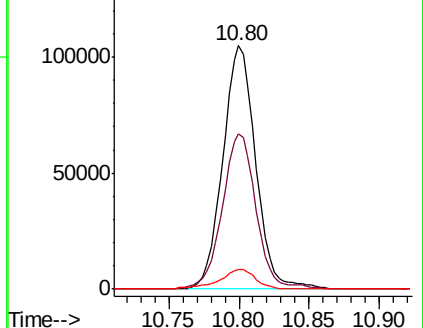
131 8.3 6.8 10.2

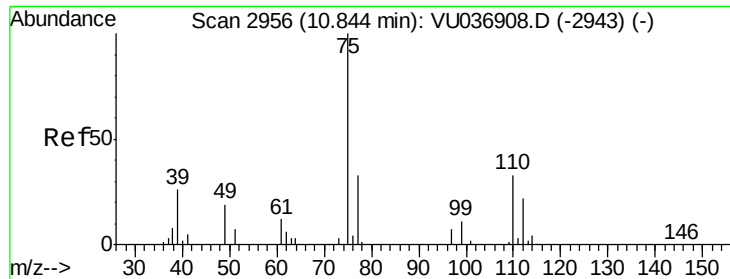


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.965 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

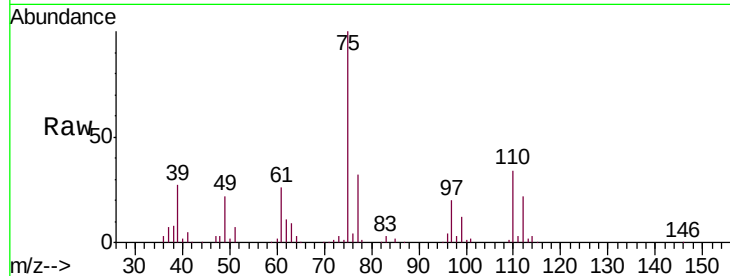
VSTD05059

Tgt Ion: 75 Resp: 138678

Ion Ratio Lower Upper

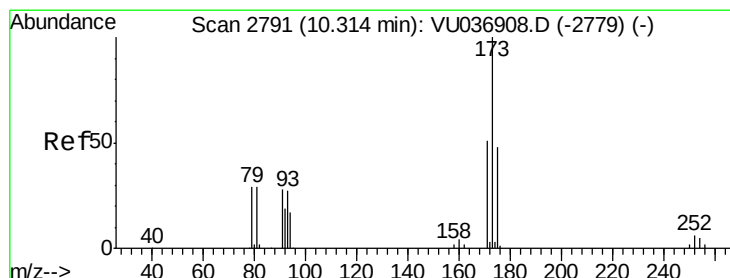
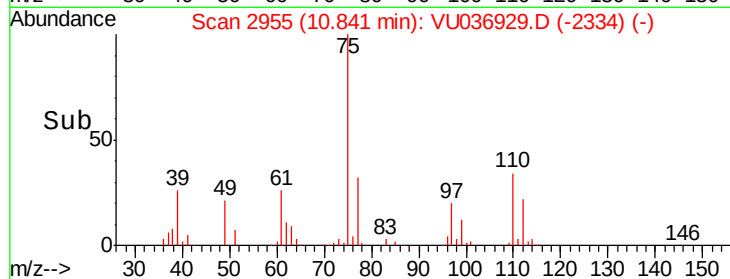
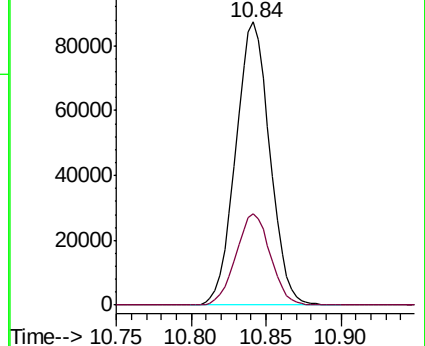
75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036908.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036908.D (-2943) (-)



#61

Bromoform

Concen: 50.758 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

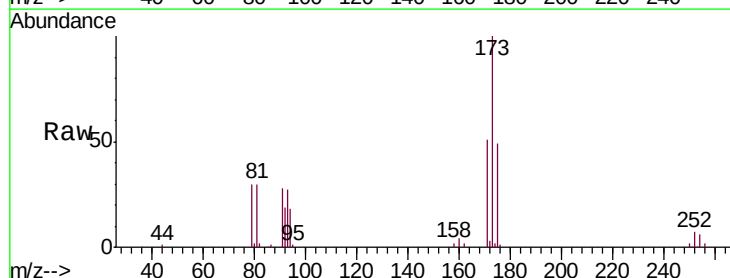
Tgt Ion: 173 Resp: 61219

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

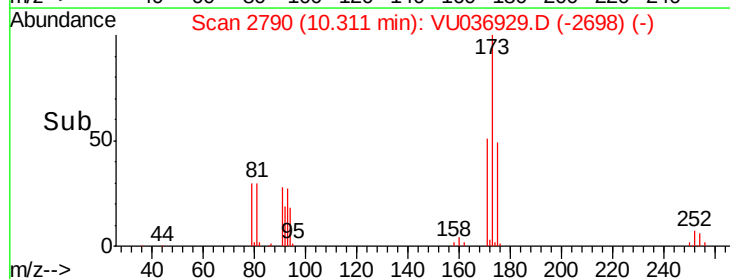
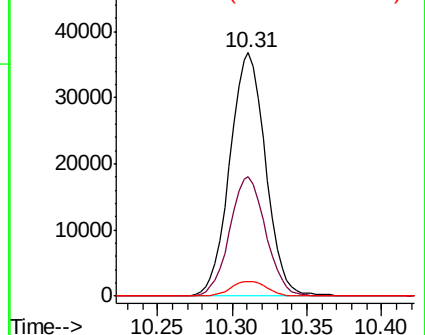
254 6.0 4.6 6.8

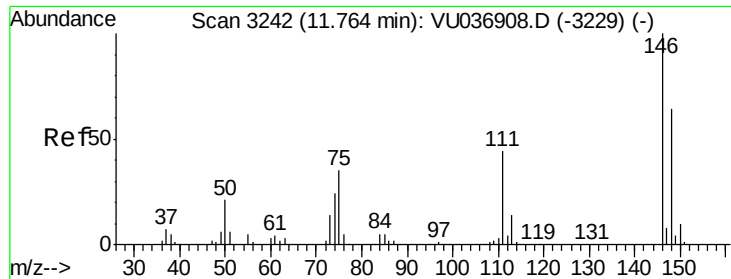


Abundance Ion 173.00 (172.70 to 173.70): VU036908.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU036908.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU036908.D (-2779) (-)

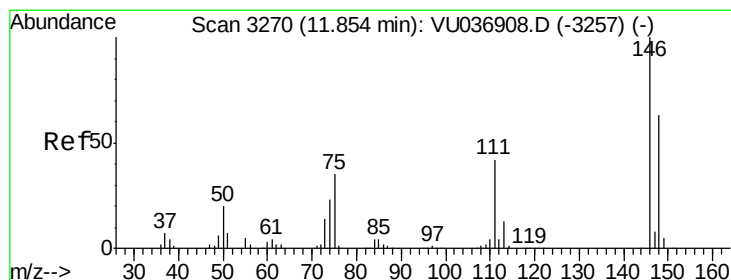
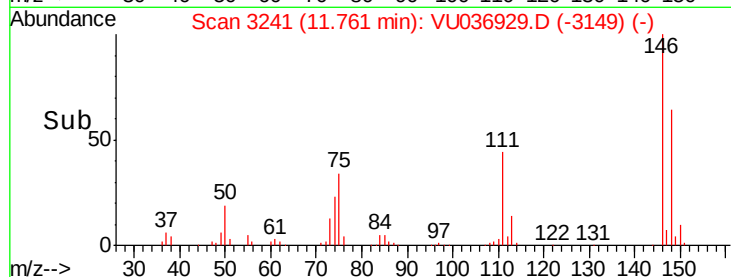
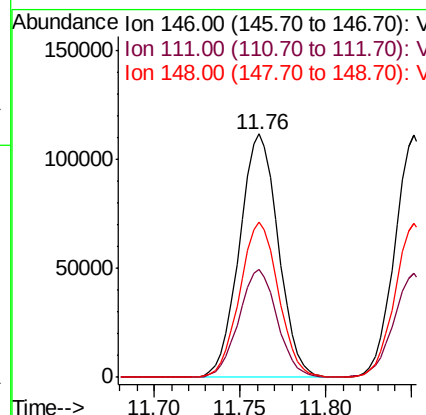
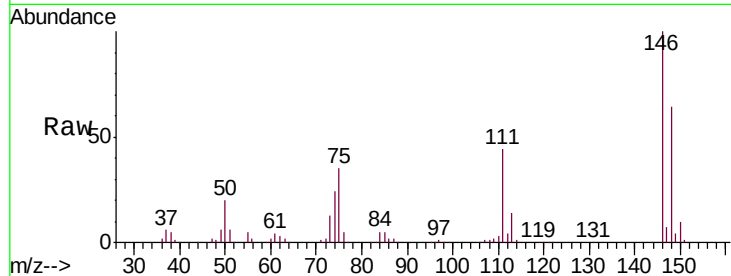




#62
 1,3-Dichlorobenzene
 Concen: 50.585 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

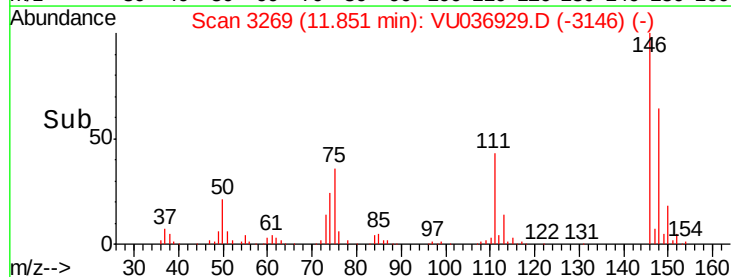
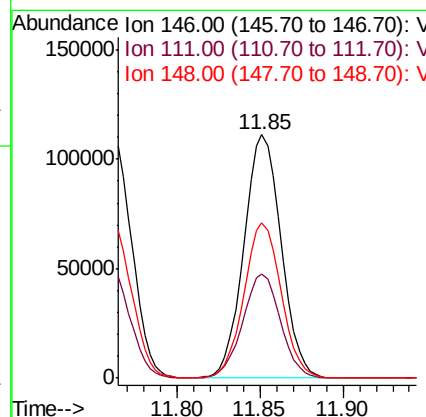
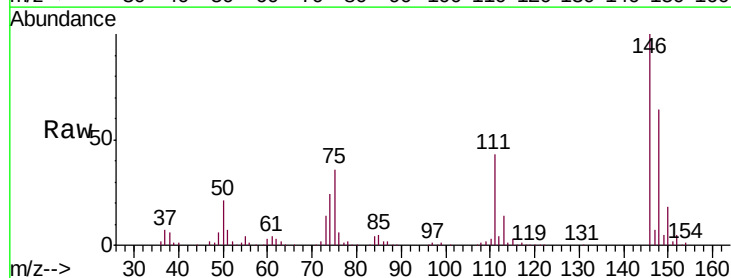
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

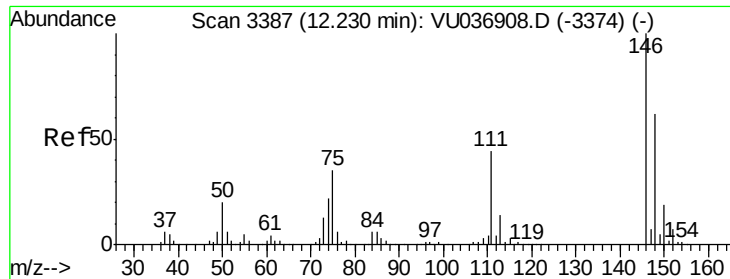
Tgt Ion:146 Resp: 175058
 Ion Ratio Lower Upper
 146 100
 111 44.4 30.7 56.9
 148 63.8 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 50.860 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion:146 Resp: 173895
 Ion Ratio Lower Upper
 146 100
 111 42.8 29.8 55.4
 148 63.8 45.1 83.9

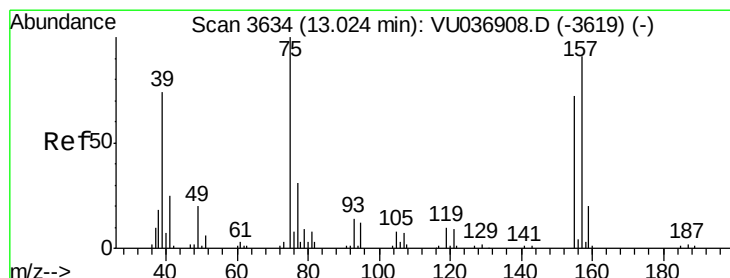
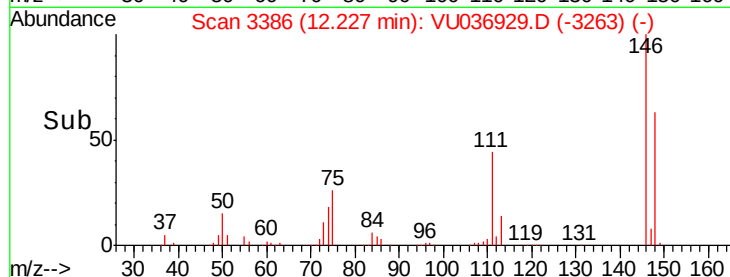
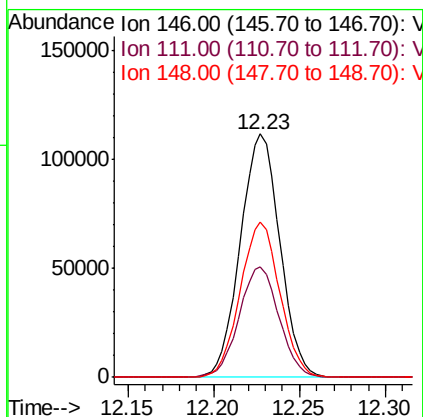
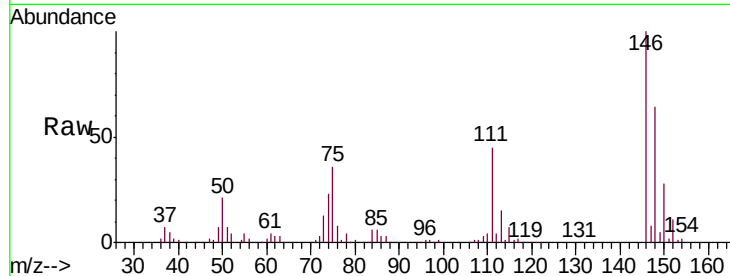




#65
 1,2-Dichlorobenzene
 Concen: 51.479 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

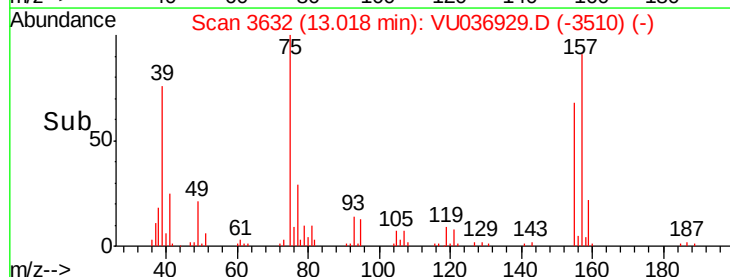
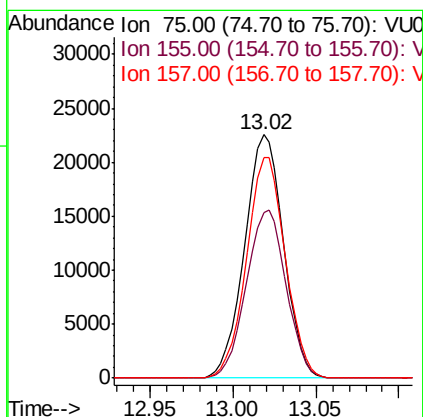
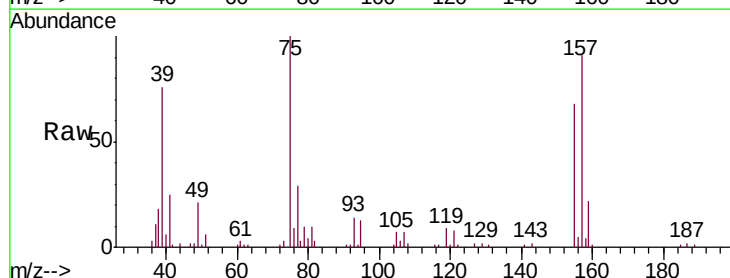
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

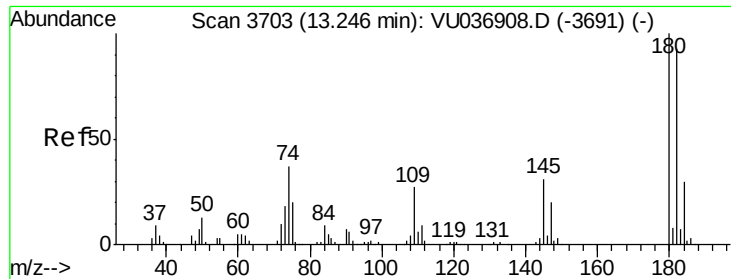
Tgt Ion: 146 Resp: 177879
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.4 53.0
 148 63.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.645 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.01 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion: 75 Resp: 36774
 Ion Ratio Lower Upper
 75 100
 155 68.0 55.7 83.5
 157 90.5 73.0 109.6

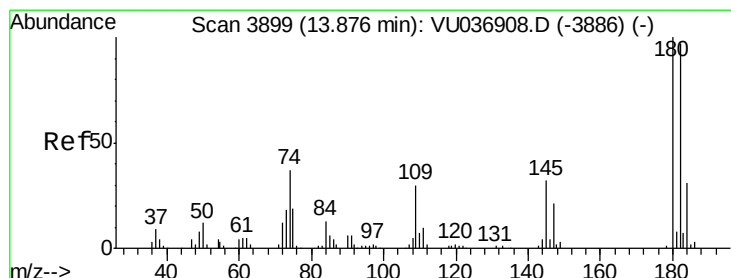
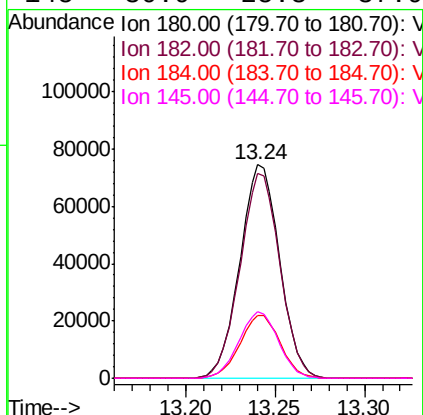
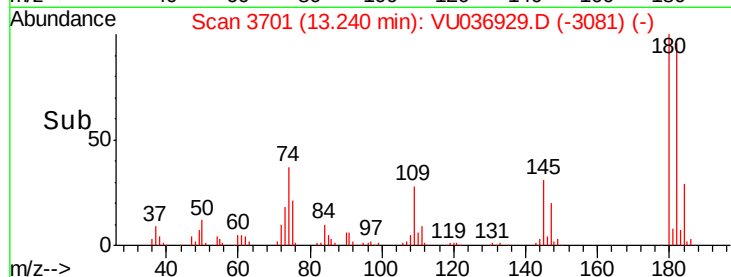
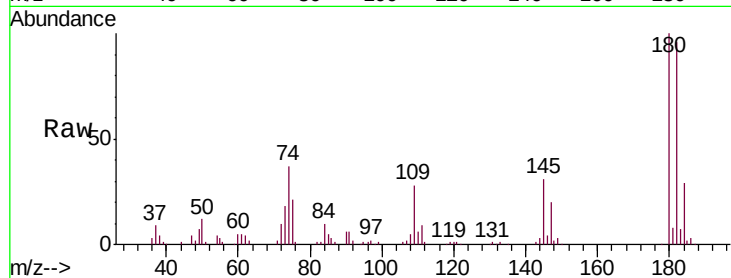




#67
 1,3,5-Trichlorobenzene
 Concen: 52.777 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

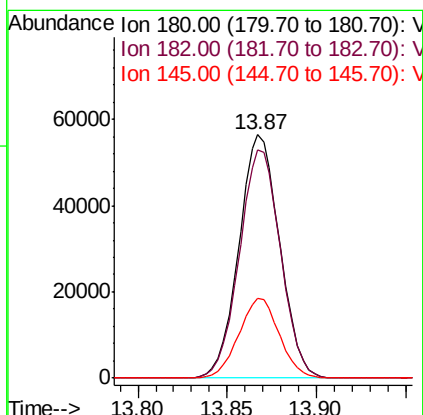
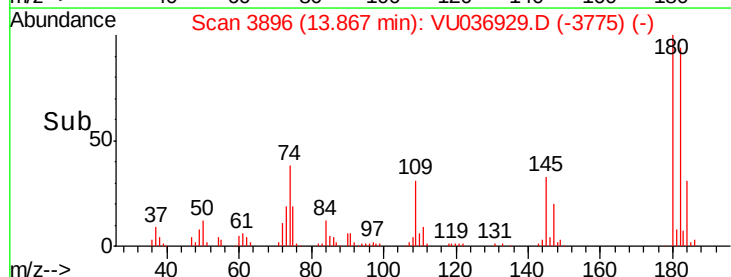
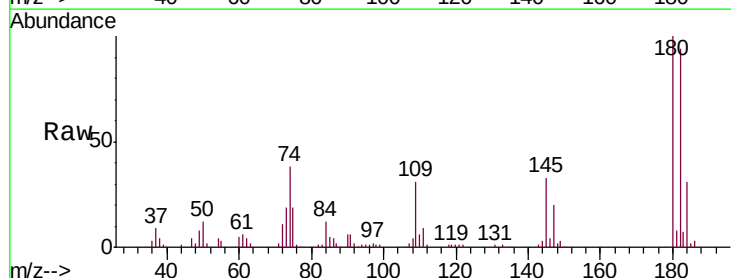
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

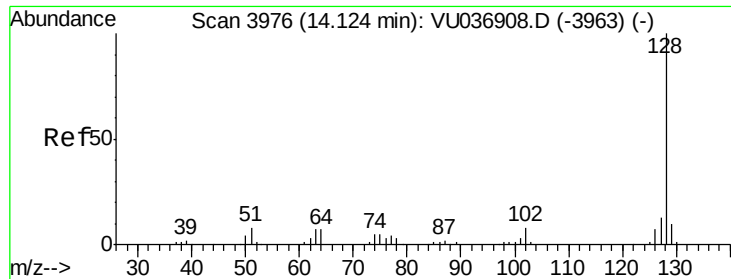
Tgt Ion:	180	Resp:	115930
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
184	29.8	24.2	36.2
145	30.9	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 54.694 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU036929.D
 Acq: 26 Feb 2020 21:00

Tgt Ion:	180	Resp:	90012
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.3	112.9
145	32.5	26.2	39.4





#69

Naphthalene

Concen: 50.612 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

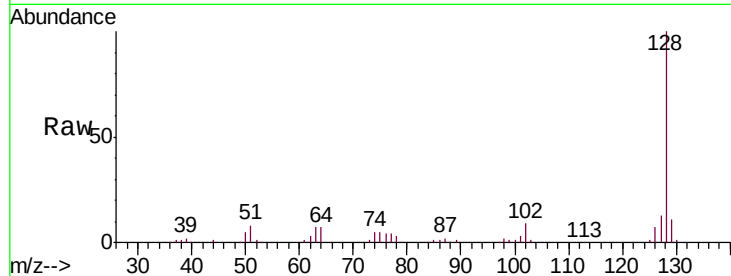
Tgt Ion:128 Resp: 147036

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

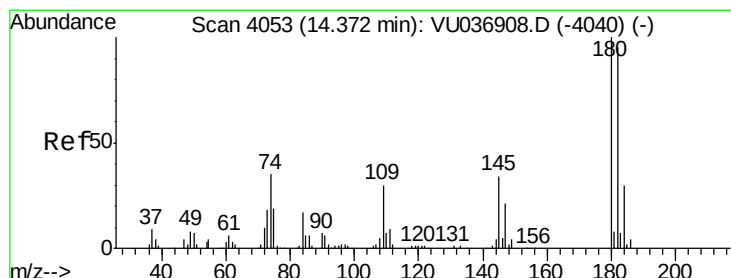
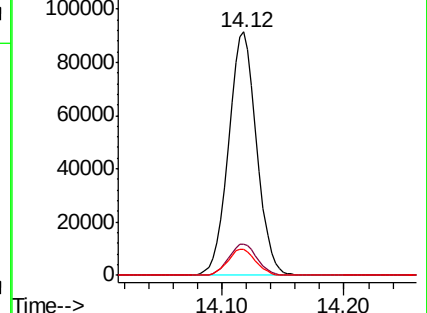
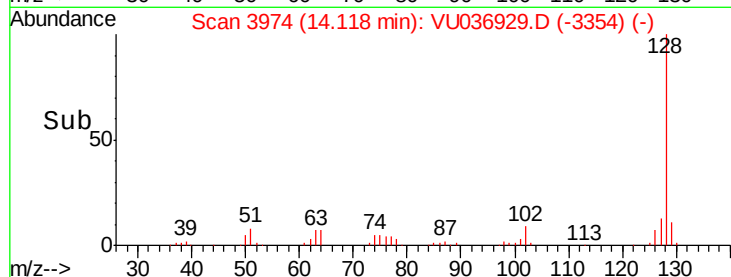
129 10.7 8.6 12.8



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: 55.262 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU036929.D

Acq: 26 Feb 2020 21:00

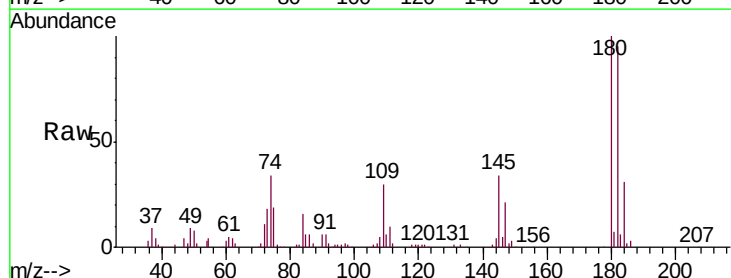
Tgt Ion:180 Resp: 90883

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.6

145 34.6 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

