

Data File : VU036908.D
Acq On : 26 Feb 2020 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Feb 27 04:41:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 26 14:54:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	256498	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	247900	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108562	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106193	49.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	92457	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.76%
11) 1,1-Dichloroethene-d2	2.59	63	180982	50.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.34%
21) 2-Butanone-d5	4.67	46	152133	105.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.29%
24) Chloroform-d	5.11	84	175461	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
26) 1,2-Dichloroethane-d4	5.74	65	116589	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
32) Benzene-d6	5.76	84	369601	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
36) 1,2-Dichloropropane-d6	6.73	67	119985	51.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.32%
41) Toluene-d8	7.92	98	340965	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	8.20	79	55179	51.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.24%
47) 2-Hexanone-d5	8.66	63	118711	104.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.53%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	170528	52.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.16%
64) 1,2-Dichlorobenzene-d4	12.21	152	108981	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	117068	53.808 ug/L	99
3) Chloromethane	1.54	50	132144	52.794 ug/L	99
5) Vinyl chloride	1.62	62	136405	52.833 ug/L	100
6) Bromomethane	1.87	94	78552	59.301 ug/L	98
8) Chloroethane	1.95	64	82770	53.482 ug/L	99
9) Trichlorofluoromethane	2.16	101	147074	53.712 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90756	55.407 ug/L	99
12) 1,1-Dichloroethene	2.60	96	88406	53.362 ug/L	92
13) Acetone	2.66	43	176743	118.924 ug/L	100
14) Carbon disulfide	2.82	76	272982	52.078 ug/L	100
15) Methyl Acetate	2.98	43	116416	51.392 ug/L	99
16) Methylene chloride	3.08	84	106059	52.486 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	93874	52.746 ug/L	100
18) Methyl tert-butyl Ether	3.40	73	301243	52.071 ug/L	100
19) 1,1-Dichloroethane	3.91	63	182093	52.656 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	105839	53.185 ug/L	97
22) 2-Butanone	4.75	43	200970	112.139 ug/L	100

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ClientSampleId :
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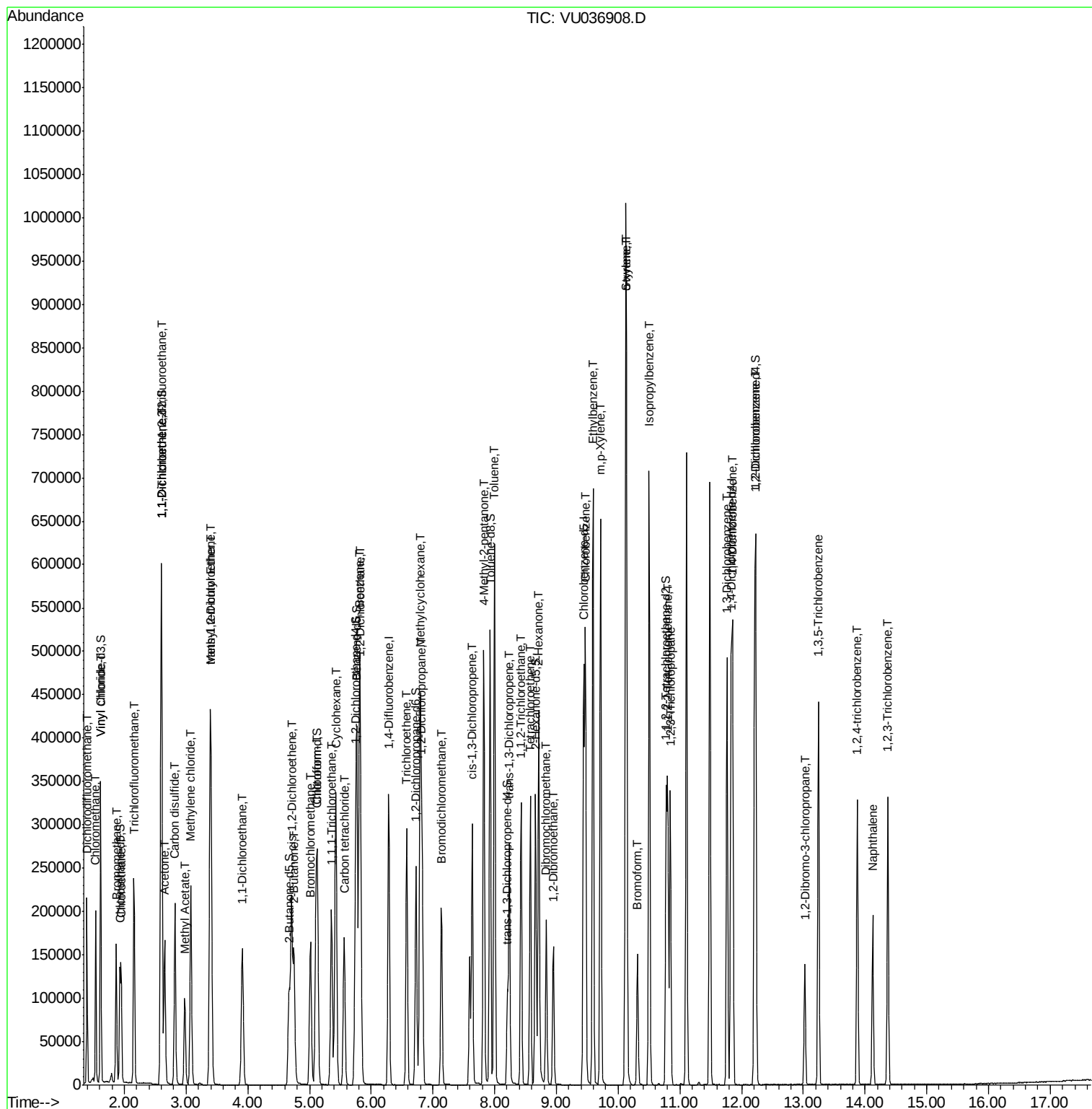
Quant Time: Feb 27 04:41:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
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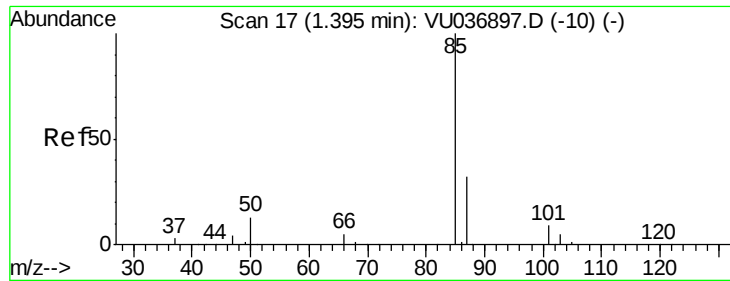
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	48459	53.771	ug/L	97
25) Chloroform	5.13	83	178152	53.392	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144337	53.134	ug/L	99
29) Cyclohexane	5.43	56	170839	51.932	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	138403	52.073	ug/L	98
31) Carbon tetrachloride	5.56	117	109642	52.630	ug/L	98
33) Benzene	5.81	78	409201	52.250	ug/L	100
34) Trichloroethene	6.57	95	101761	52.867	ug/L	99
35) Methylcyclohexane	6.80	83	176131	52.775	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109674	52.011	ug/L	99
38) Bromodichloromethane	7.14	83	128957	51.809	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	169701	52.244	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	316153	101.750	ug/L	99
42) Toluene	8.00	91	438091	52.506	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	146735	52.075	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	97550	52.022	ug/L	99
46) Tetrachloroethene	8.58	164	66949	52.797	ug/L	99
48) 2-Hexanone	8.71	43	269125	108.539	ug/L	99
49) Dibromochloromethane	8.84	129	93078	52.296	ug/L	100
50) 1,2-Dibromoethane	8.95	107	102927	52.490	ug/L	99
51) Chlorobenzene	9.47	112	257390	52.064	ug/L	99
52) Ethylbenzene	9.59	91	470056	51.969	ug/L	99
53) m,p-Xylene	9.72	106	175775	52.979	ug/L	99
54) o-xylene	10.12	106	171905	51.949	ug/L	99
55) Styrene	10.14	104	289513	53.520	ug/L	100
56) Isopropylbenzene	10.51	105	450486	53.003	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	173306	51.697	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140267	51.708	ug/L	99
61) Bromoform	10.31	173	64731	52.739	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	184133	52.285	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	184589	53.052	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	185248	52.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36063	51.695	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	126020	56.375	ug/L	98
68) 1,2,4-trichlorobenzene	13.88	180	92744	55.376	ug/L	98
69) Naphthalene	14.12	128	148585	50.258	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	92301	55.150	ug/L	98

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

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ALS Vial      : 2      Sample Multiplier: 1
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 53.808 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

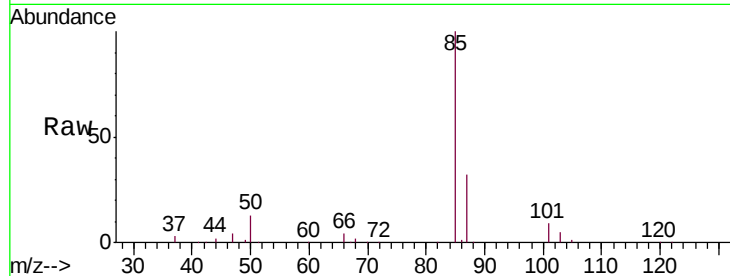
VSTD05058

Tgt Ion: 85 Resp: 117068

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



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

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

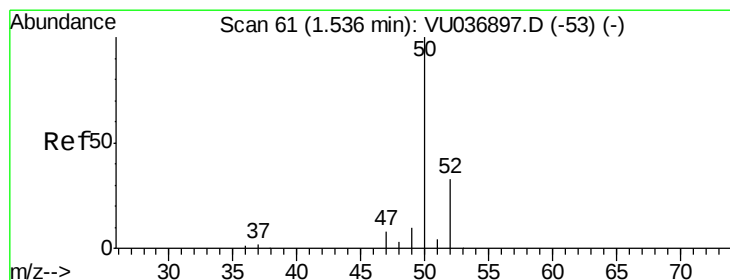
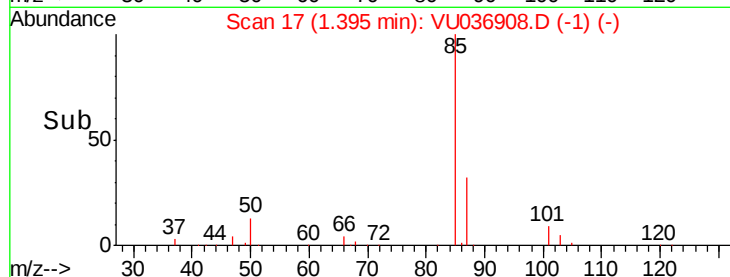
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.794 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036908.D

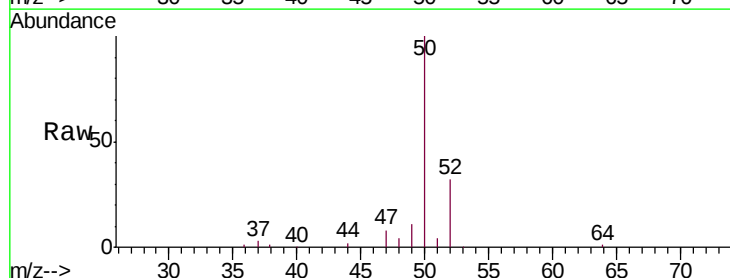
Acq: 26 Feb 2020 10:19

Tgt Ion: 50 Resp: 132144

Ion Ratio Lower Upper

50 100

52 32.0 23.0 42.6



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

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

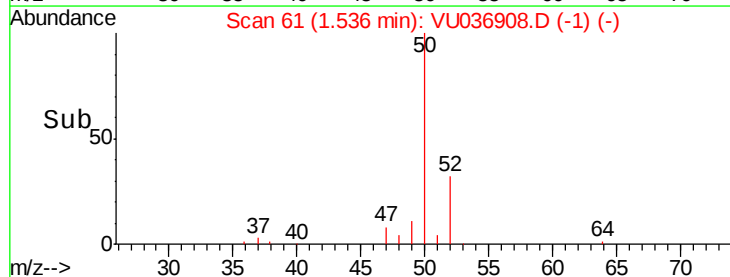
1.54

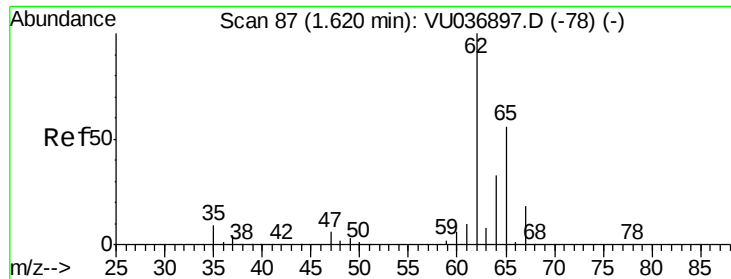
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50000

0

Time-->





#5

Vinyl chloride

Concen: 52.833 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

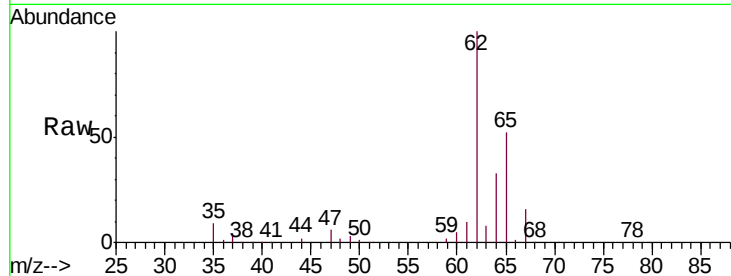
VSTD05058

Tgt Ion: 62 Resp: 136405

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



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

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

1.62

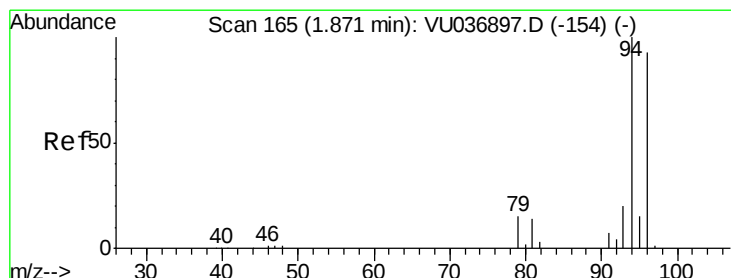
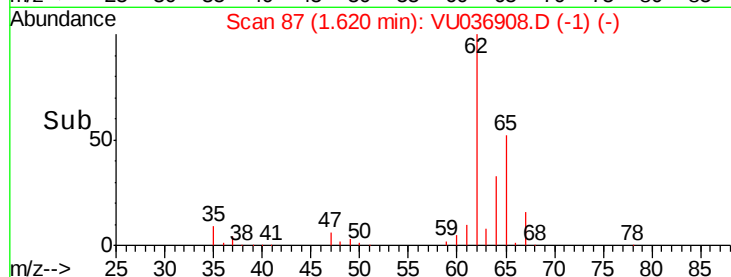
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 59.301 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036908.D

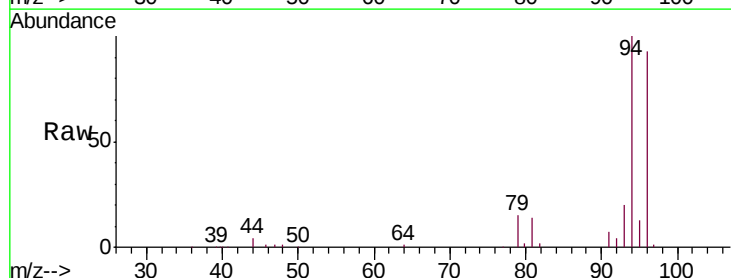
Acq: 26 Feb 2020 10:19

Tgt Ion: 94 Resp: 78552

Ion Ratio Lower Upper

94 100

96 93.0 66.1 122.8



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

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

1.87

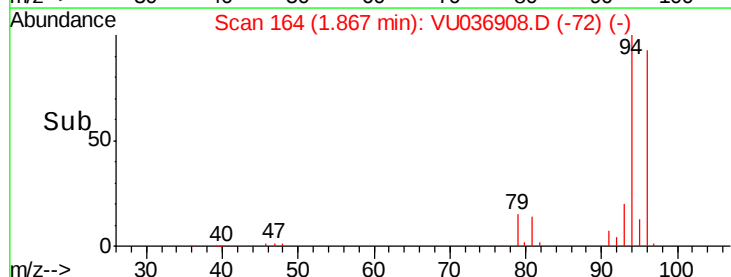
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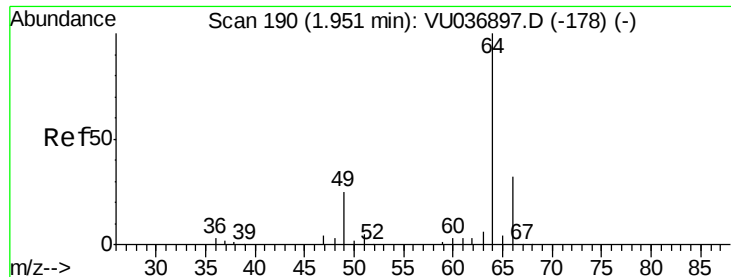
40000

20000

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Time-->

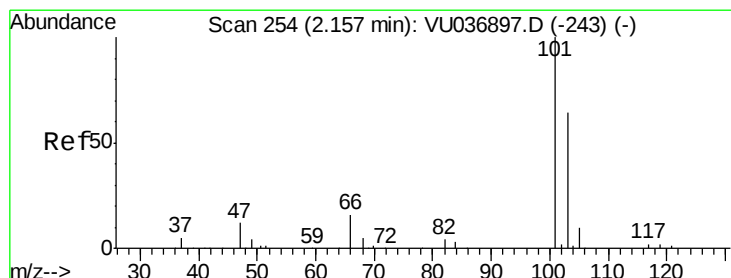
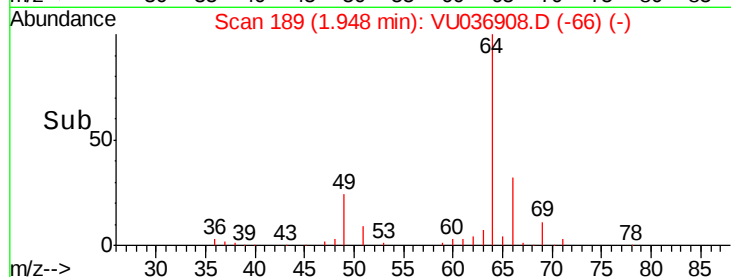
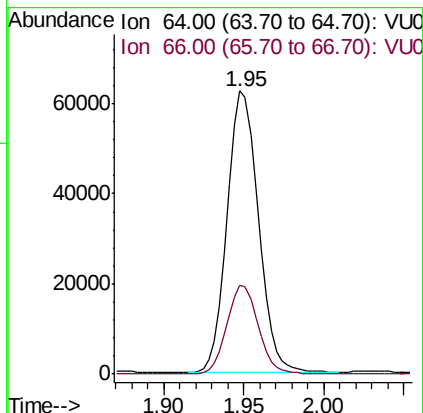
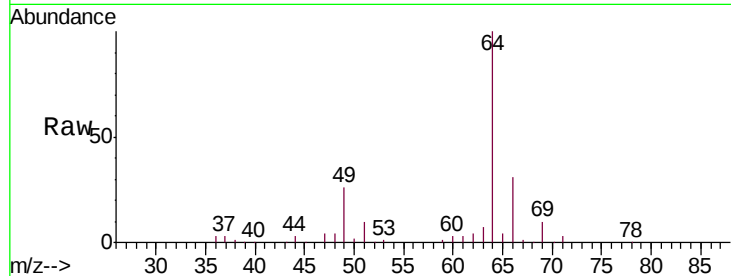




#8
Chloroethane
Concen: 53.482 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

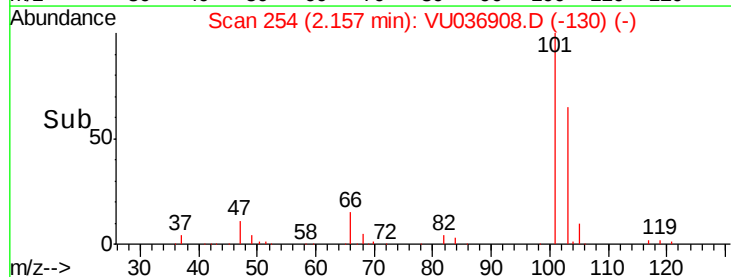
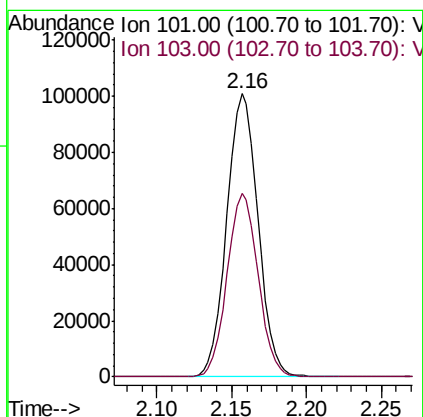
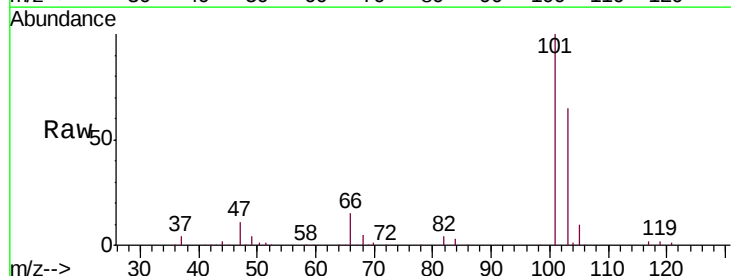
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

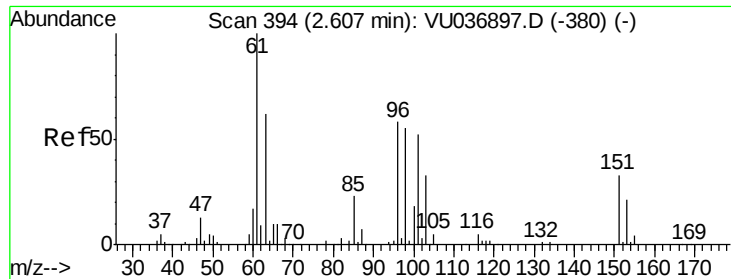
Tgt Ion: 64 Resp: 82770
Ion Ratio Lower Upper
64 100
66 31.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.712 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion: 101 Resp: 147074
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3





#10

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

Concen: 55.407 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

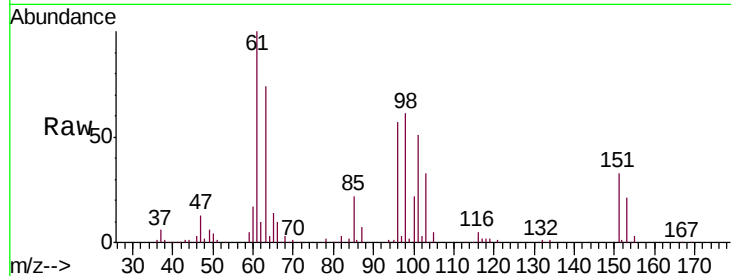
Tgt Ion:101 Resp: 90756

Ion Ratio Lower Upper

101 100

85 45.2 36.4 54.6

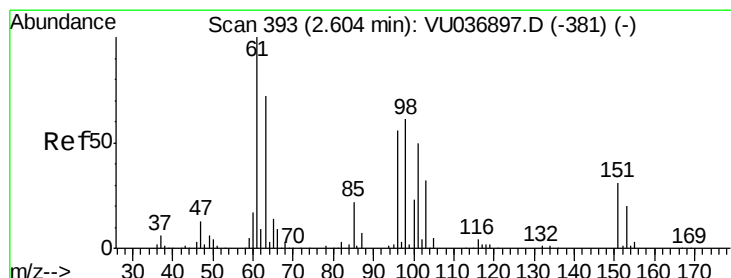
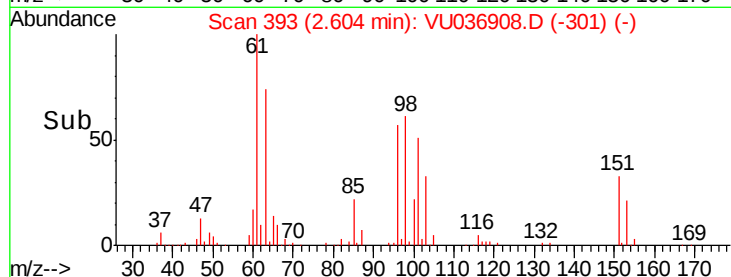
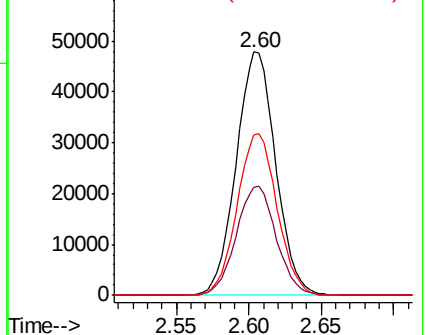
151 66.9 52.4 78.6



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: 53.362 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

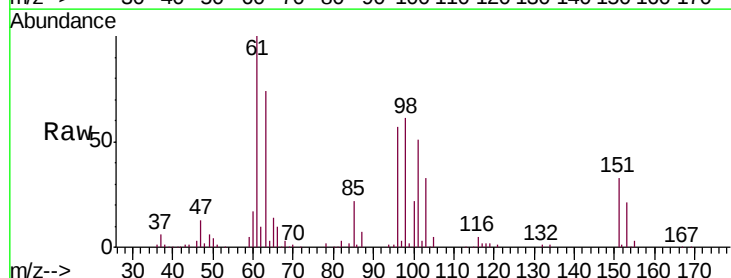
Tgt Ion: 96 Resp: 88406

Ion Ratio Lower Upper

96 100

61 175.4 127.5 236.7

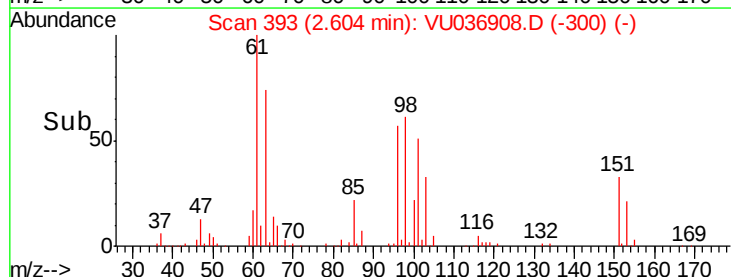
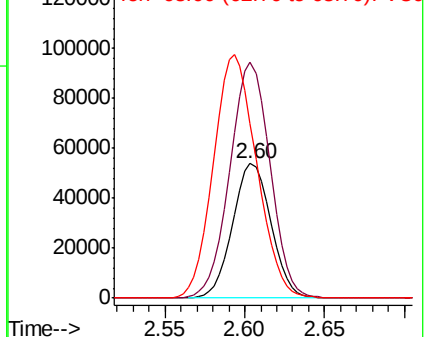
63 130.0 101.4 188.2

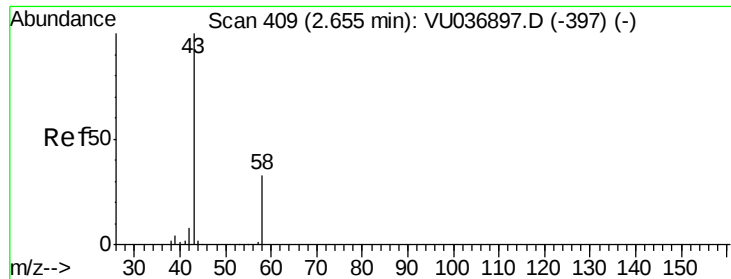


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 118.924 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

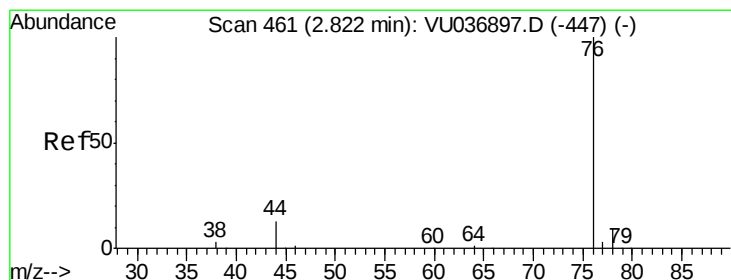
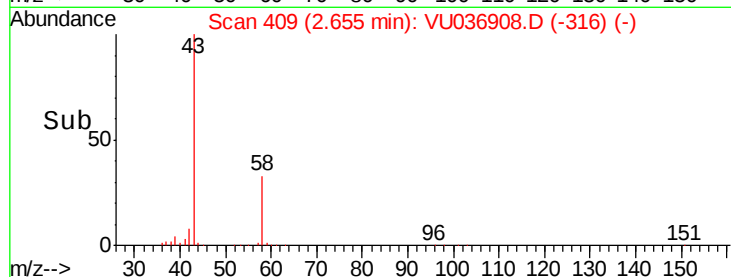
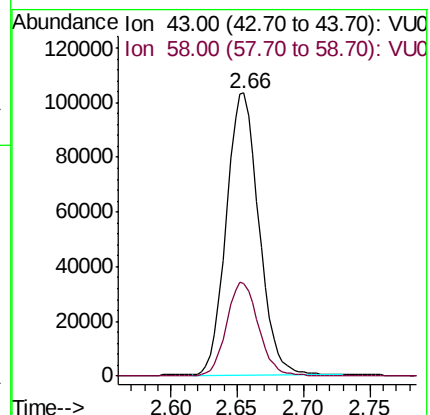
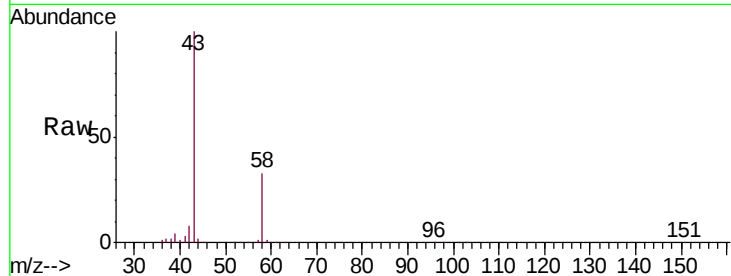
VSTD05058

Tgt Ion: 43 Resp: 176743

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.6



#14

Carbon disulfide

Concen: 52.078 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036908.D

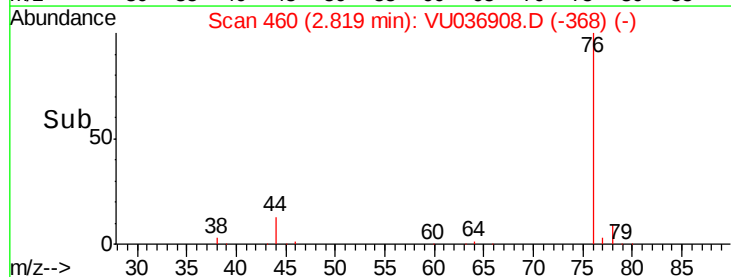
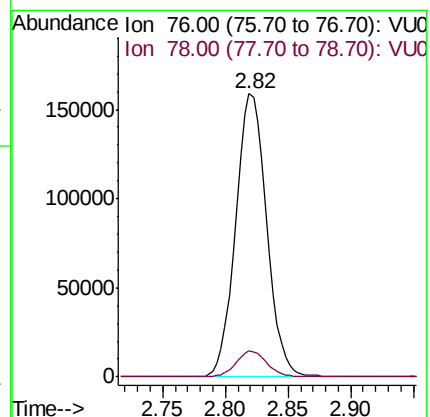
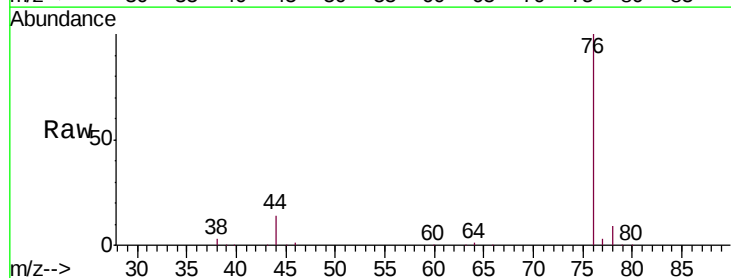
Acq: 26 Feb 2020 10:19

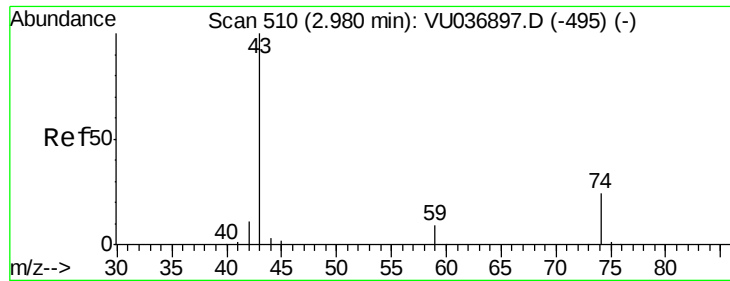
Tgt Ion: 76 Resp: 272982

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

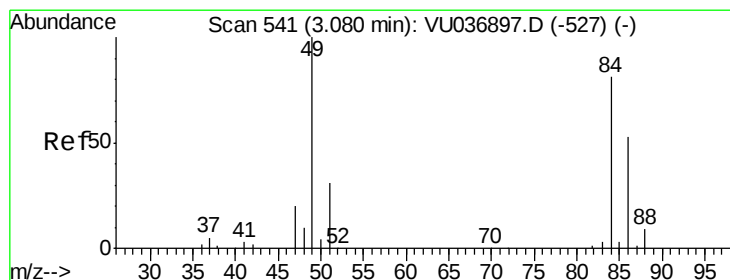
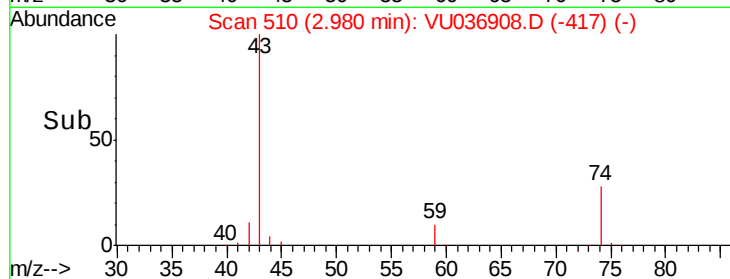
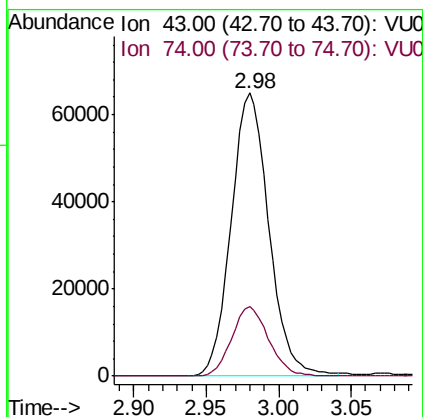
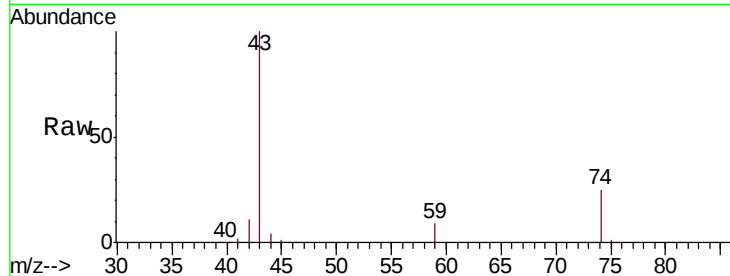




#15
Methyl Acetate
Concen: 51.392 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

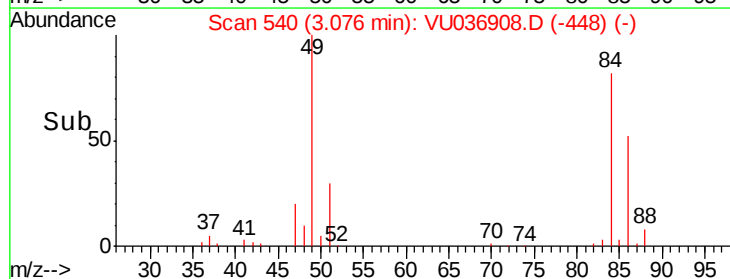
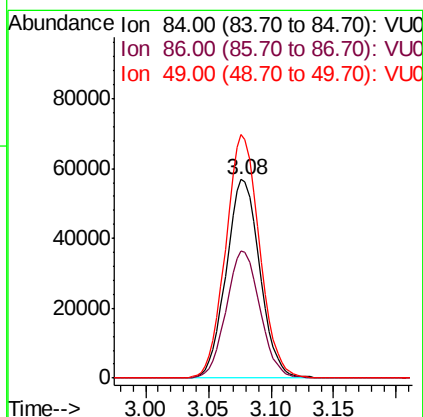
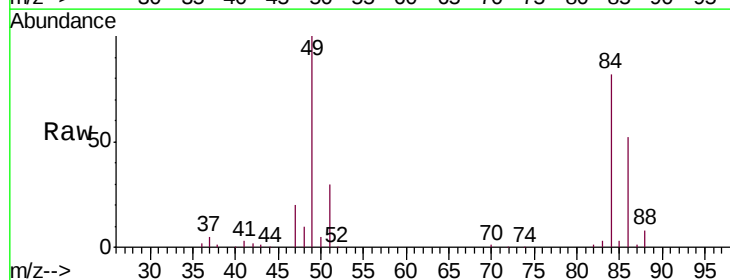
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

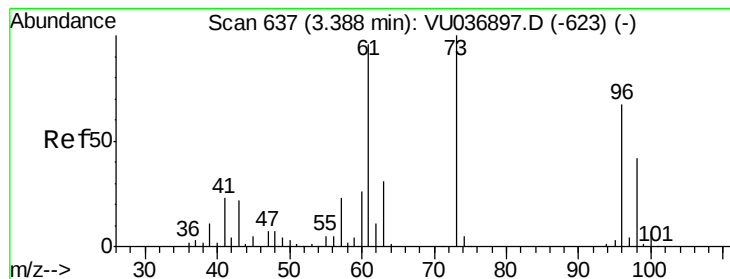
Tgt Ion: 43 Resp: 116416
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.4



#16
Methylene chloride
Concen: 52.486 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion: 84 Resp: 106059
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 122.6 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 52.746 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

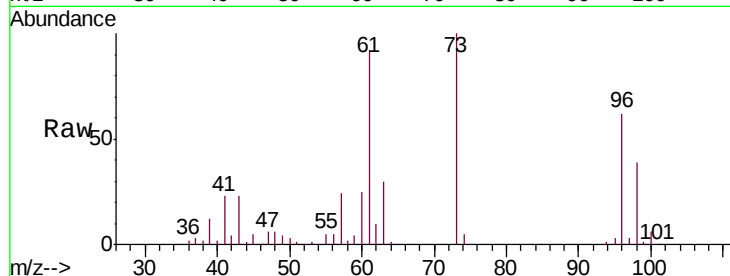
Tgt Ion: 96 Resp: 93874

Ion Ratio Lower Upper

96 100

61 147.8 103.8 192.8

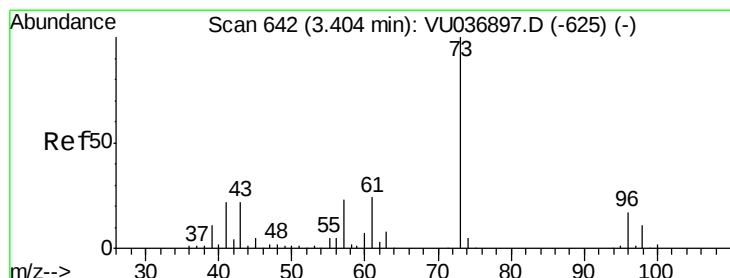
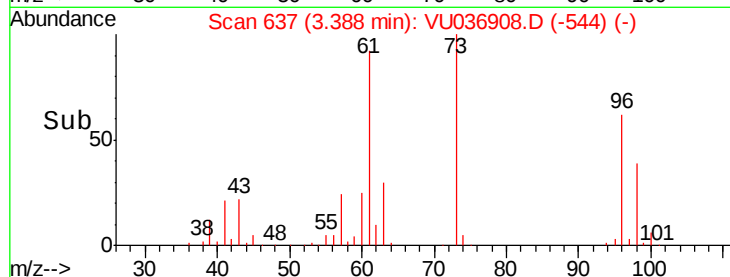
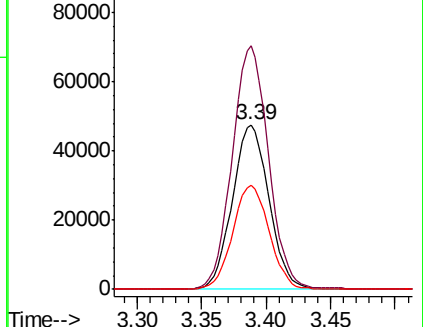
98 63.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036908.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036908.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036908.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 52.071 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

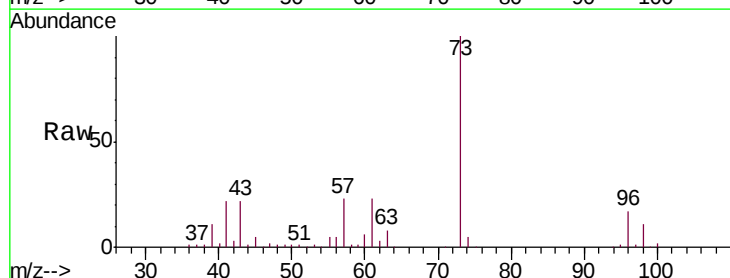
Tgt Ion: 73 Resp: 301243

Ion Ratio Lower Upper

73 100

43 22.5 18.1 27.1

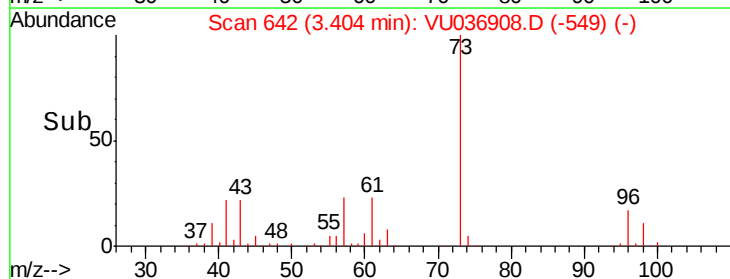
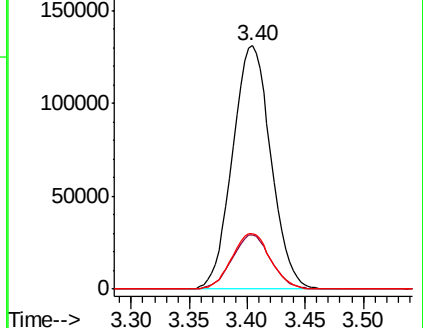
57 23.1 18.4 27.6

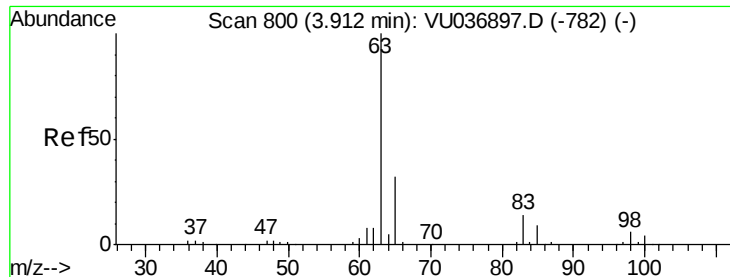


Abundance Ion 73.00 (72.70 to 73.70): VU036908.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036908.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036908.D (-549) (-)

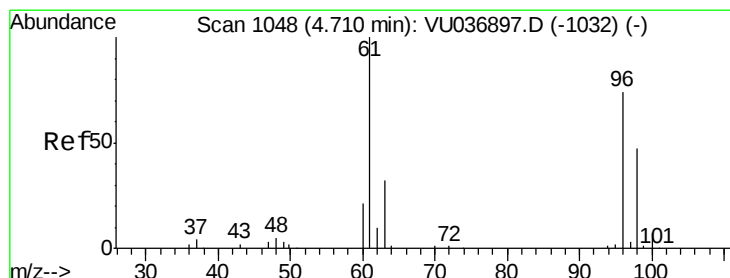
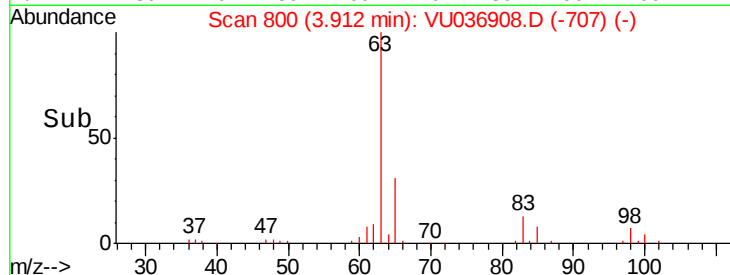
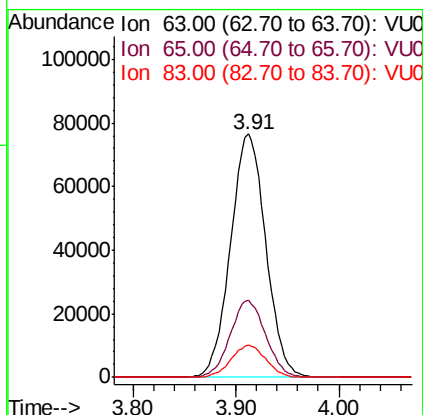
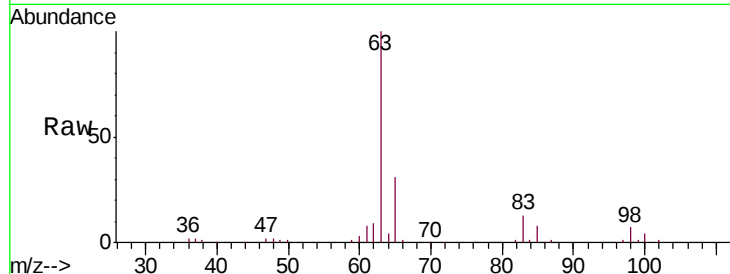




#19
 1,1-Dichloroethane
 Concen: 52.656 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

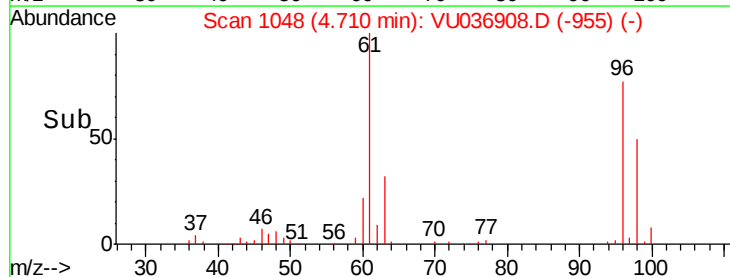
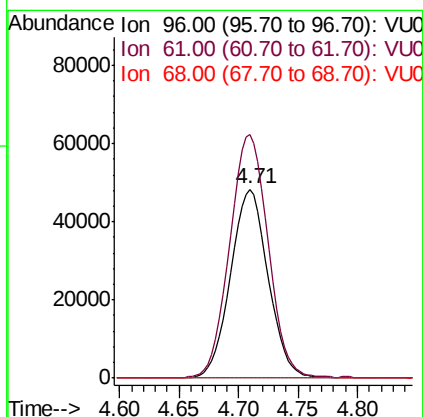
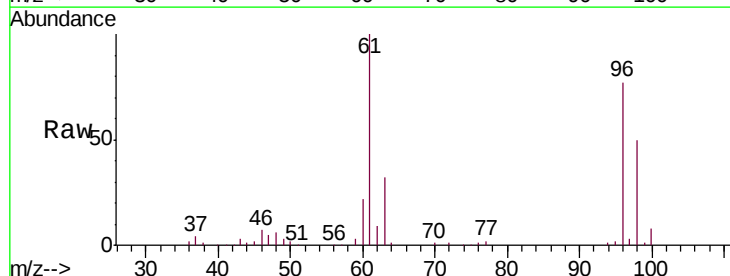
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

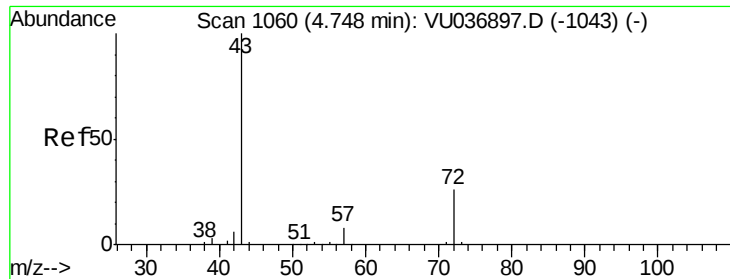
Tgt Ion: 63 Resp: 182093
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.5
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 53.185 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

Tgt Ion: 96 Resp: 105839
 Ion Ratio Lower Upper
 96 100
 61 129.1 93.1 172.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 112.139 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

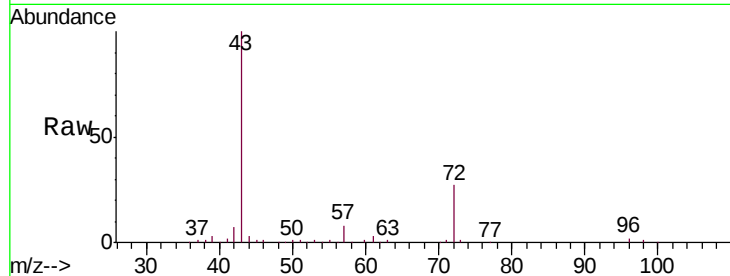
VSTD05058

Tgt Ion: 43 Resp: 200970

Ion Ratio Lower Upper

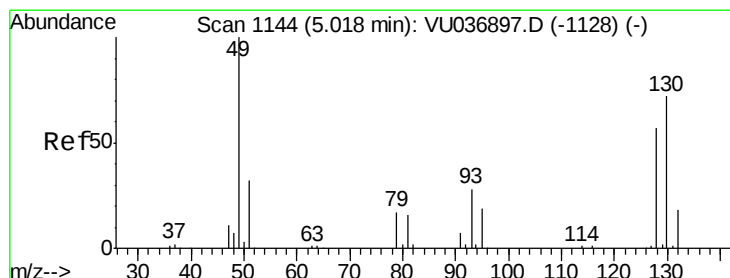
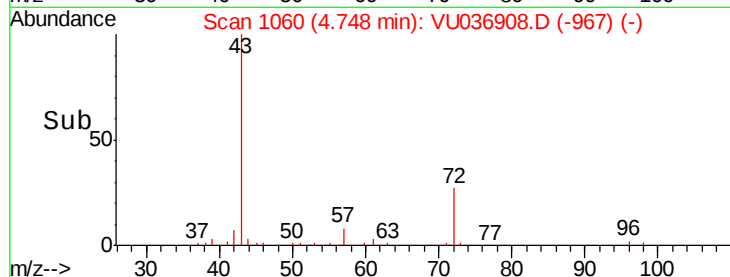
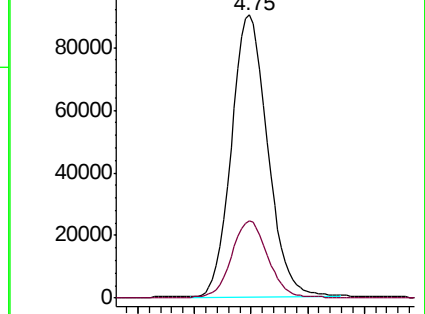
43 100

72 27.7 13.9 41.6



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

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



#23

Bromochloromethane

Concen: 53.771 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Tgt Ion: 128 Resp: 48459

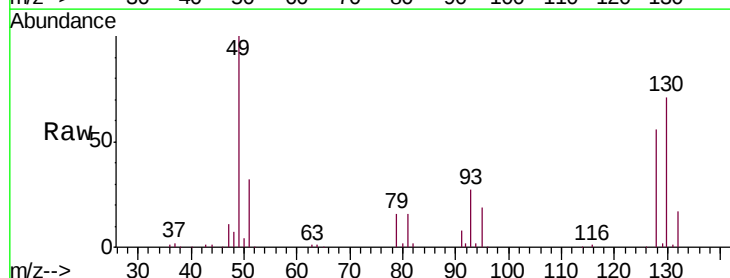
Ion Ratio Lower Upper

128 100

49 179.1 126.5 234.9

130 127.9 86.0 159.8

51 56.8 47.3 70.9

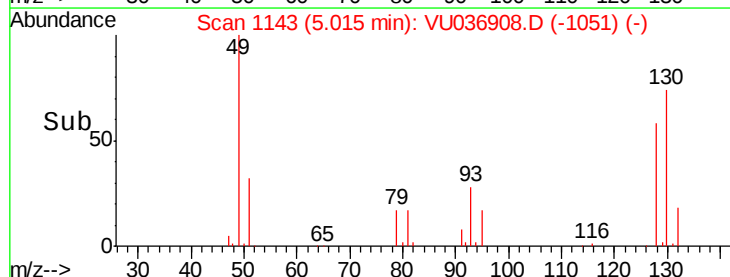
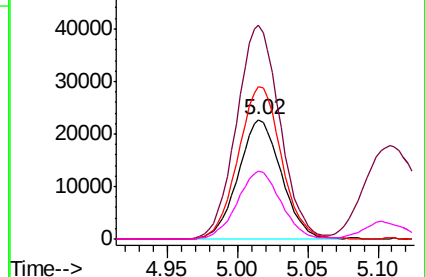


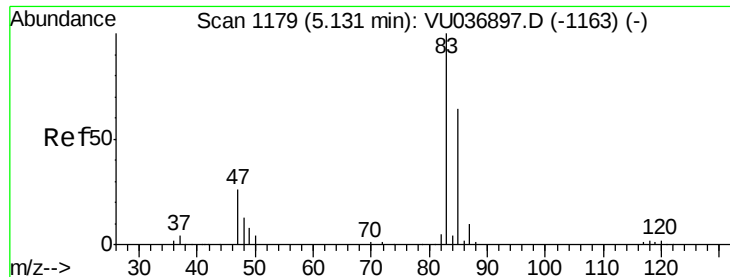
Abundance Ion 128.00 (127.70 to 128.70): VU036897.D (-1128) (-)

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

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

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

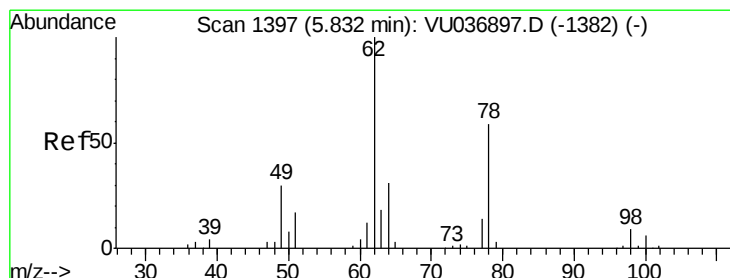
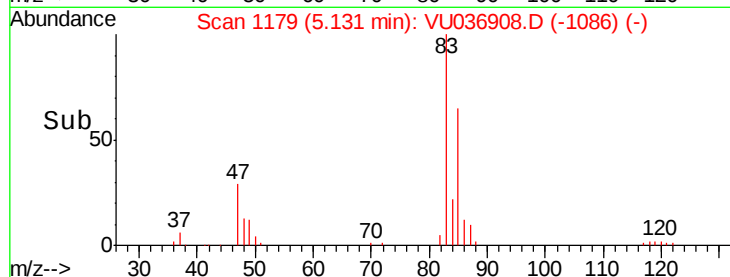
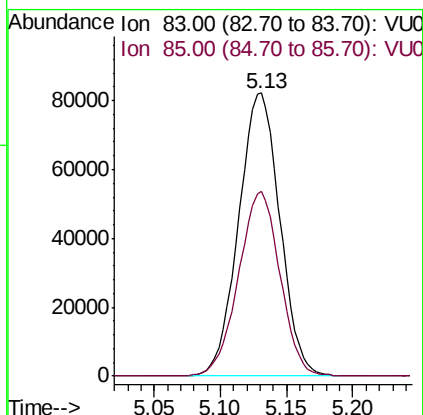
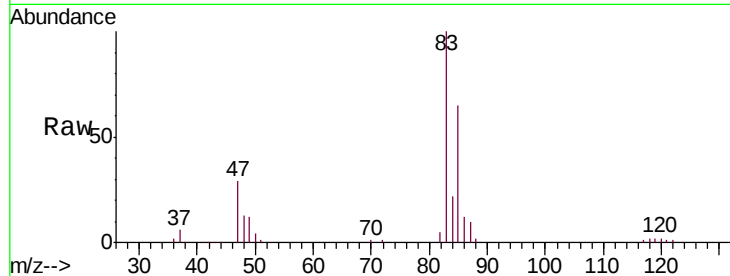




#25
Chloroform
Concen: 53.392 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

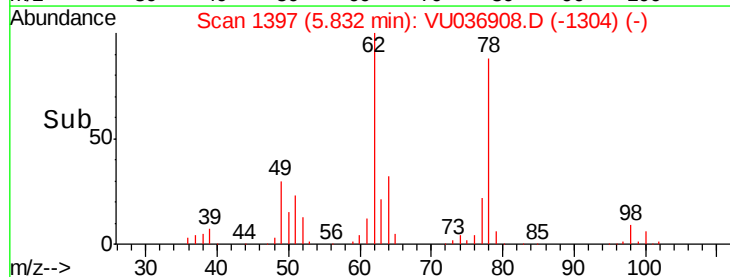
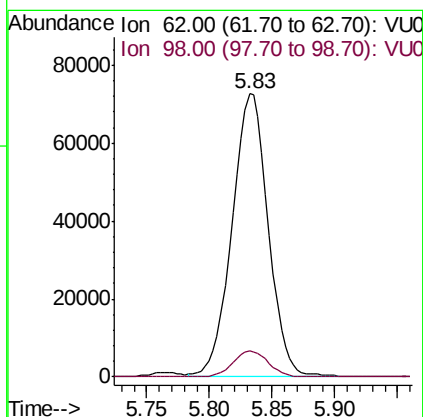
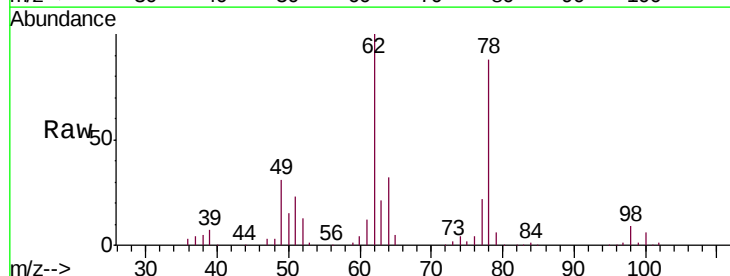
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

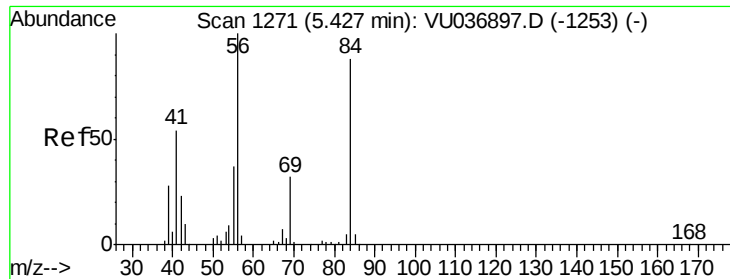
Tgt Ion: 83 Resp: 178152
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 53.134 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion: 62 Resp: 144337
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

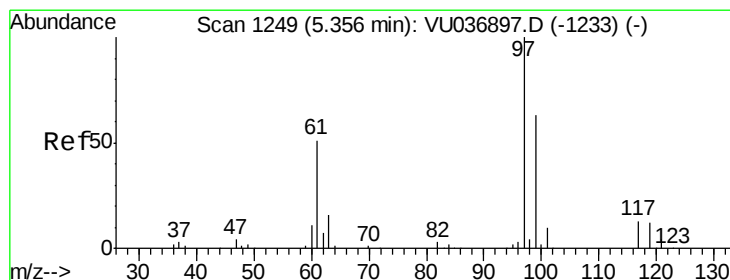
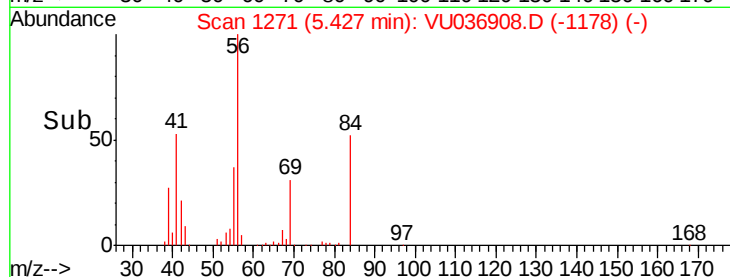
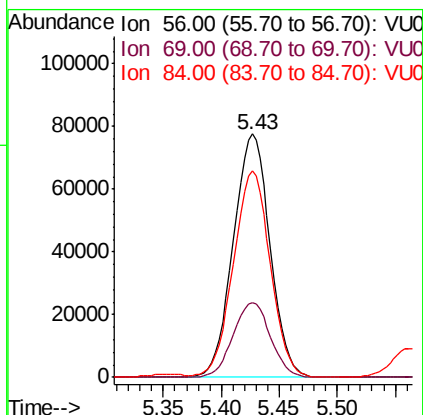
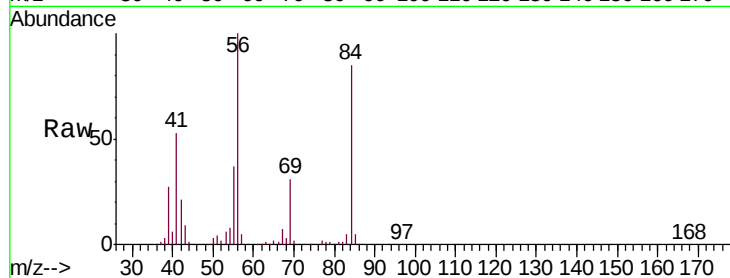




#29
Cyclohexane
Concen: 51.932 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

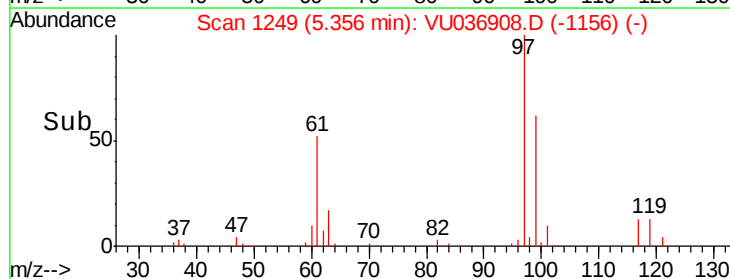
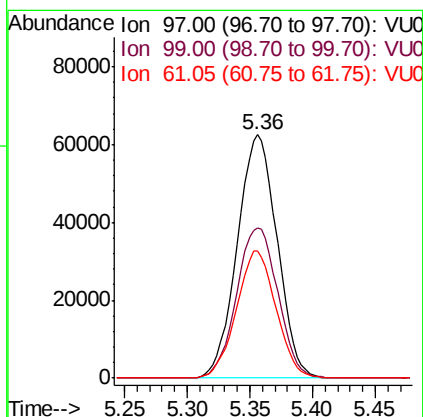
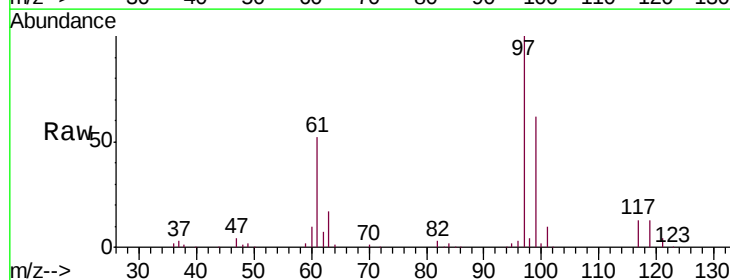
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

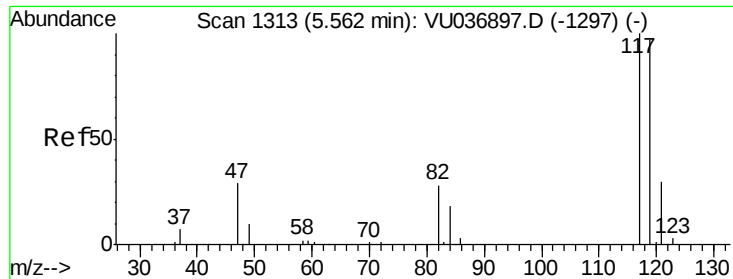
Tgt Ion: 56 Resp: 170839
Ion Ratio Lower Upper
56 100
69 31.2 24.6 37.0
84 85.7 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 52.073 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion: 97 Resp: 138403
Ion Ratio Lower Upper
97 100
99 64.0 50.4 75.6
61 51.9 40.3 60.5

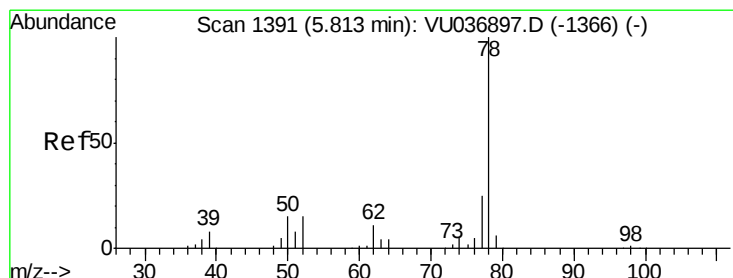
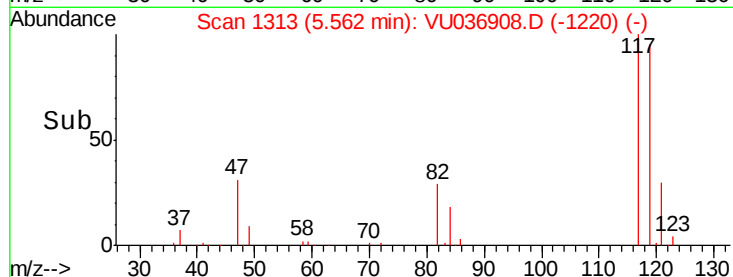
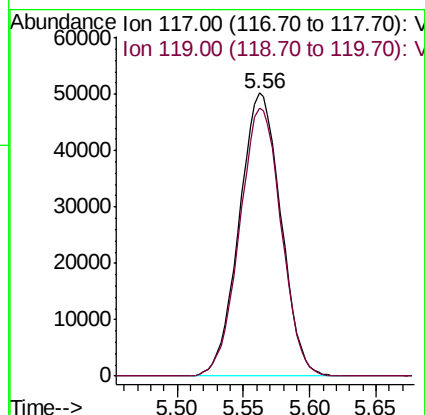
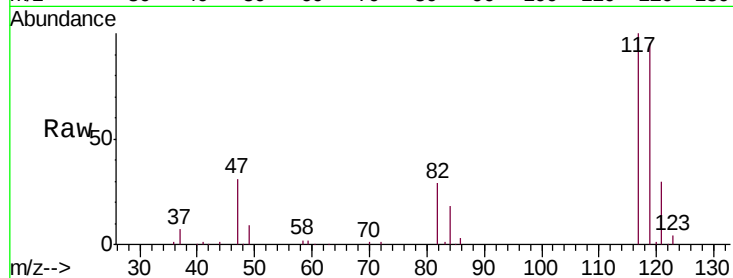




#31
Carbon tetrachloride
Concen: 52.630 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

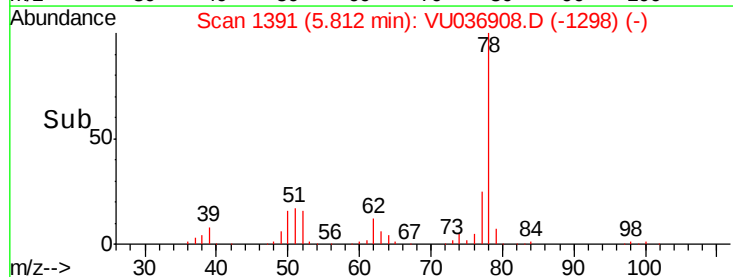
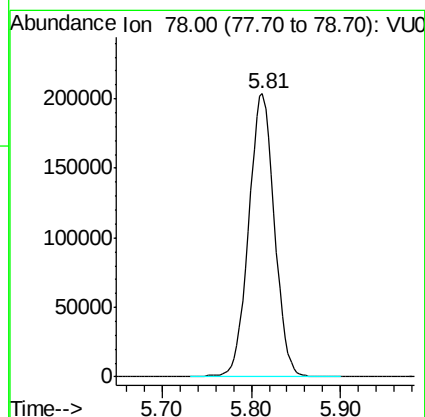
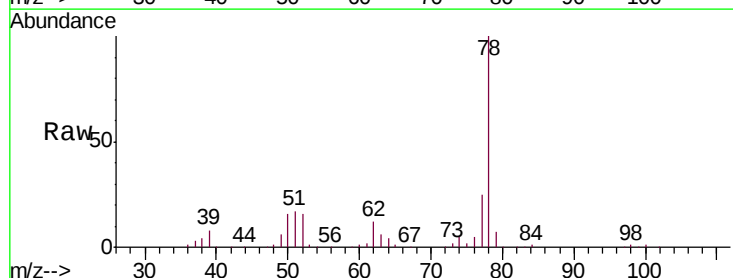
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

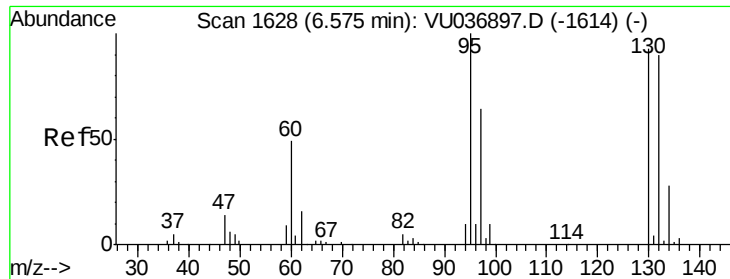
Tgt Ion:117 Resp: 109642
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8



#33
Benzene
Concen: 52.250 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion: 78 Resp: 409201





#34

Trichloroethene

Concen: 52.867 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 101761

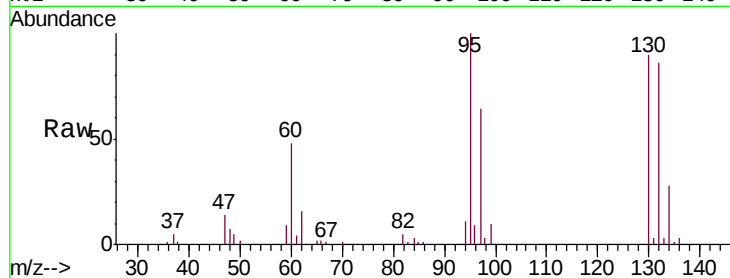
Ion Ratio Lower Upper

95 100

97 63.6 44.1 81.9

132 85.8 60.6 112.6

130 90.5 64.9 120.5

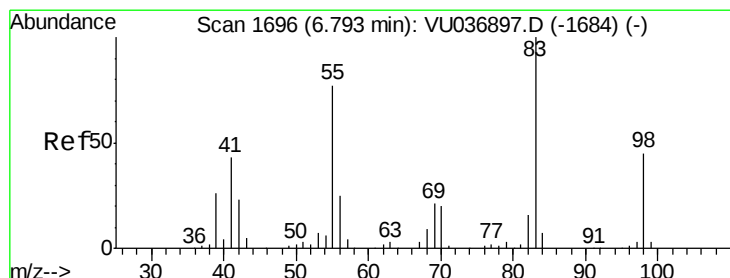
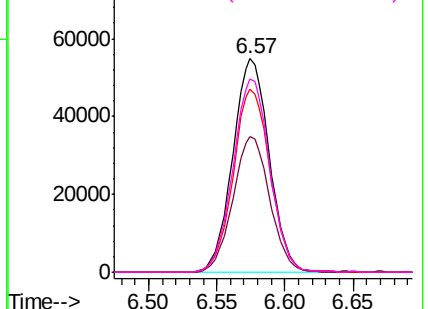
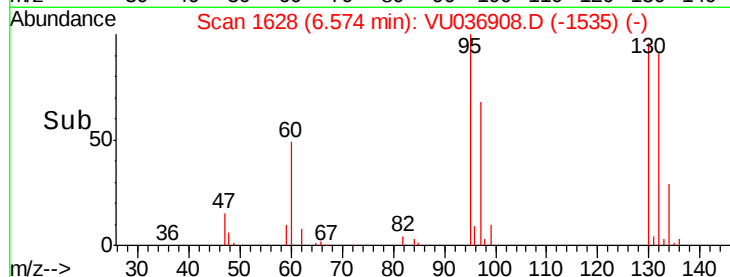


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.775 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

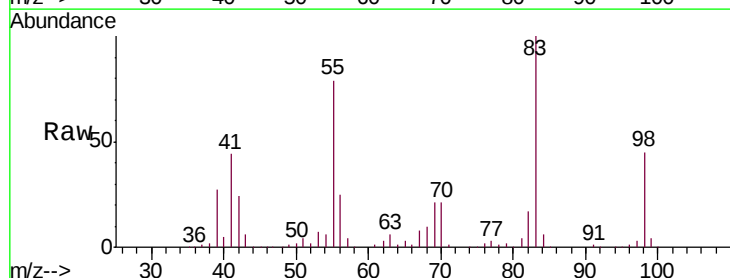
Tgt Ion: 83 Resp: 176131

Ion Ratio Lower Upper

83 100

55 77.4 62.6 93.8

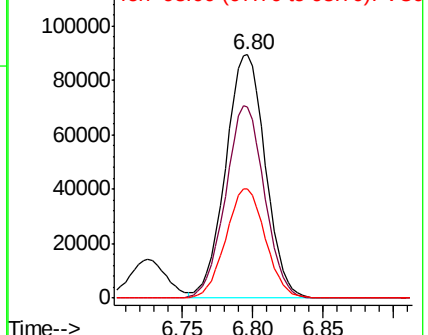
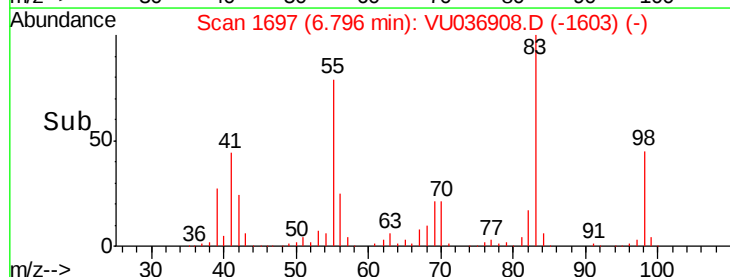
98 44.8 35.1 52.7

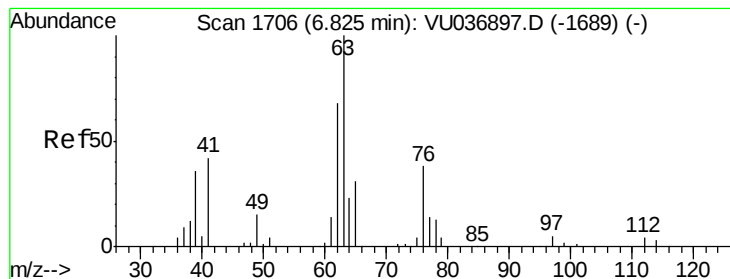


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.011 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

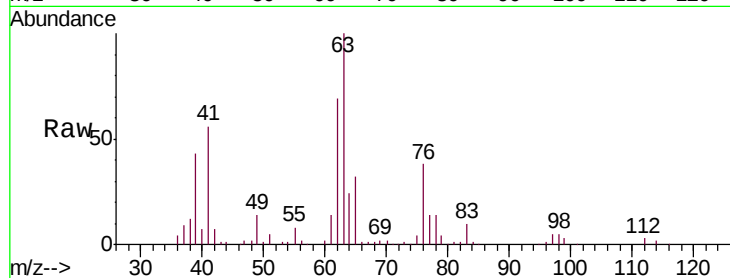
VSTD05058

Tgt Ion: 63 Resp: 109674

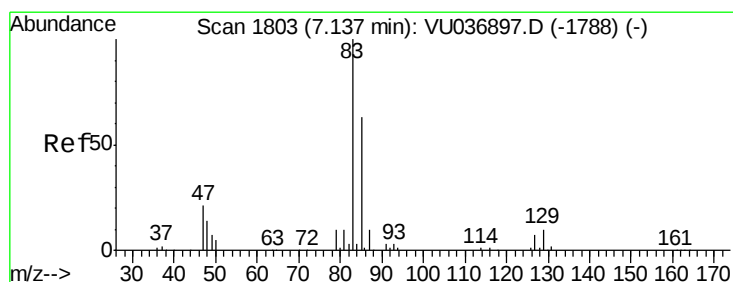
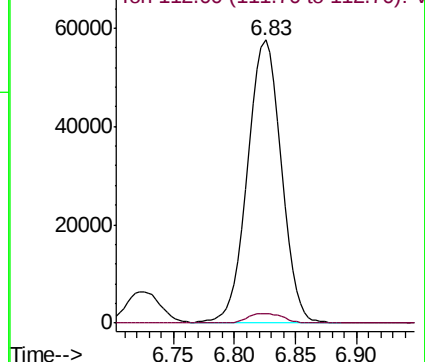
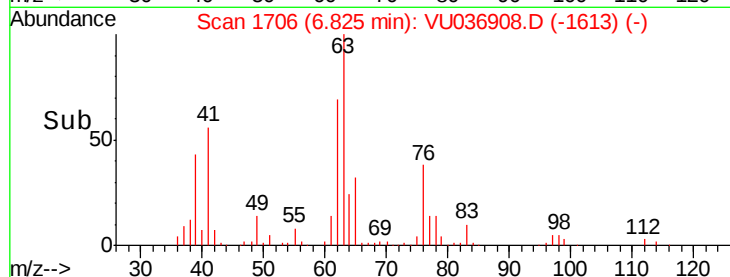
Ion Ratio Lower Upper

63 100

112 3.6 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036908.D (-1613) (-)



#38

Bromodichloromethane

Concen: 51.809 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

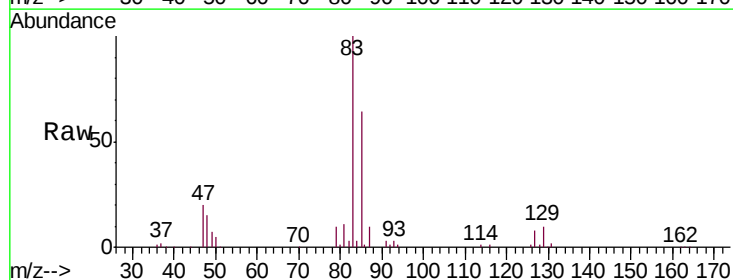
Tgt Ion: 83 Resp: 128957

Ion Ratio Lower Upper

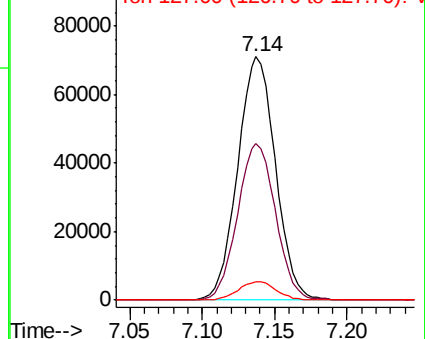
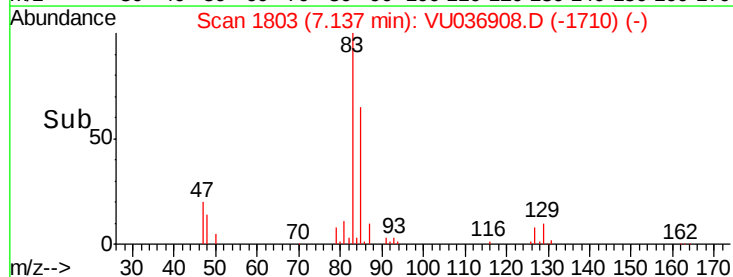
83 100

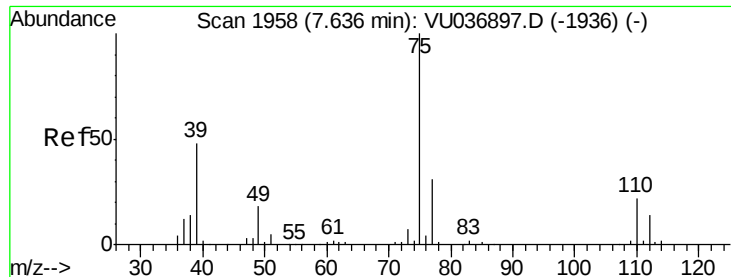
85 64.4 43.6 81.0

127 7.5 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036908.D (-1710) (-)

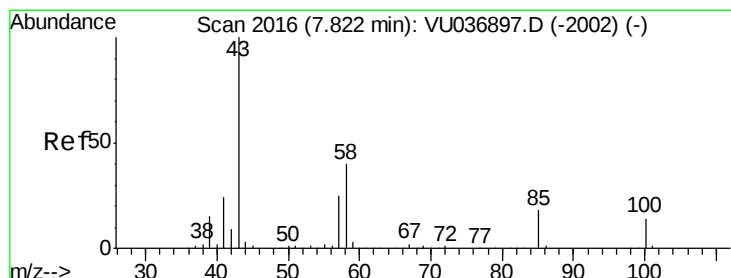
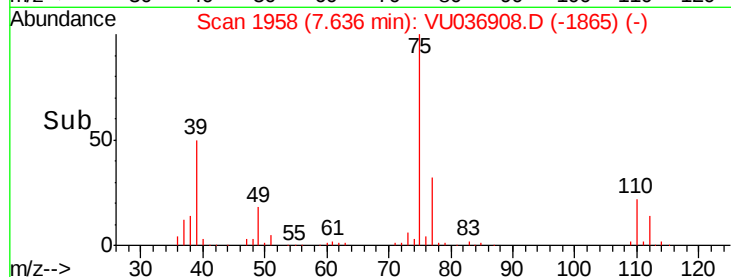
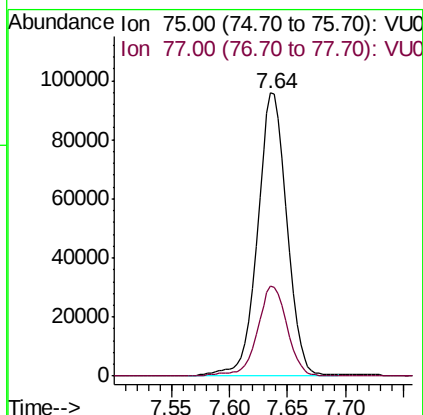
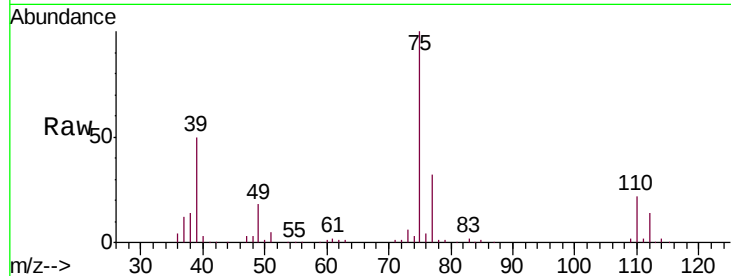




#39
 cis-1,3-Dichloropropene
 Concen: 52.244 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

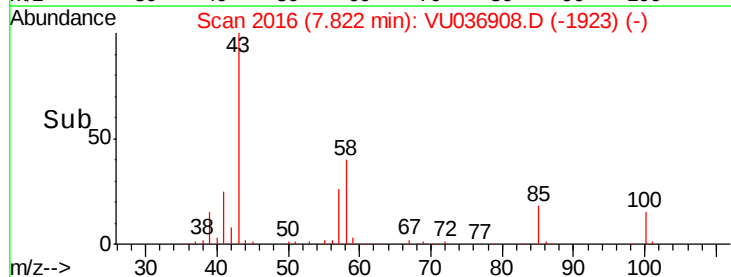
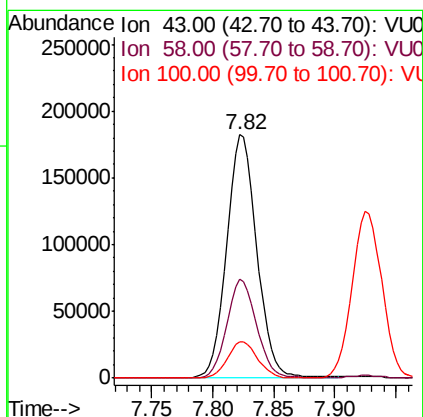
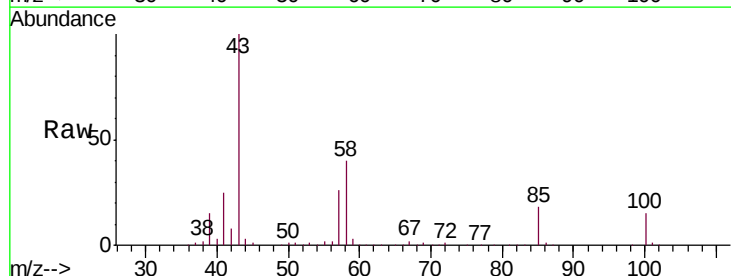
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

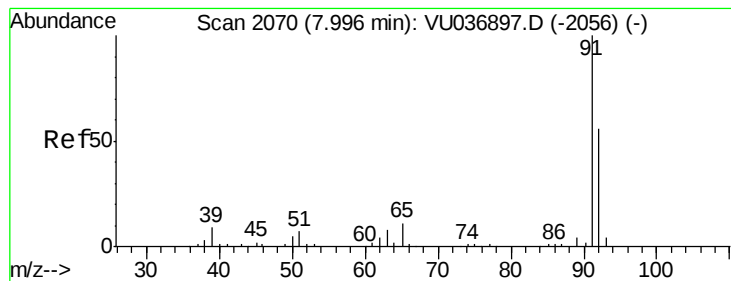
Tgt Ion: 75 Resp: 169701
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.750 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

Tgt Ion: 43 Resp: 316153
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6
 100 15.0 11.5 17.3





#42

Toluene

Concen: 52.506 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

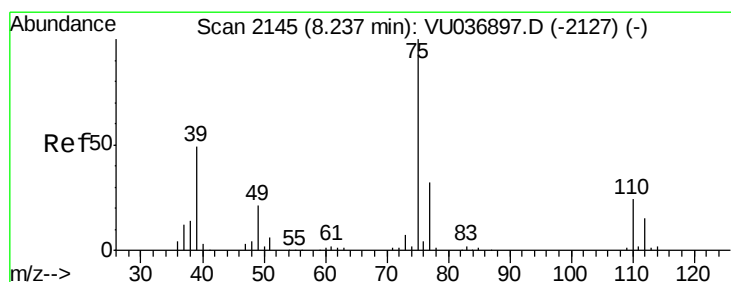
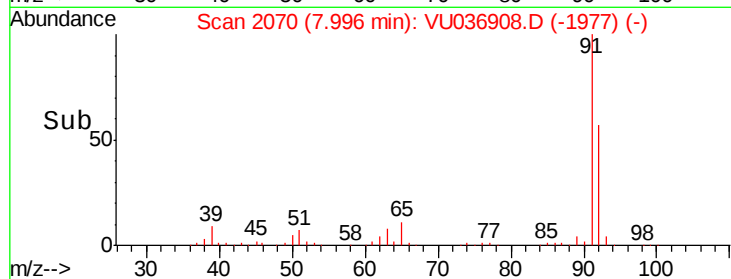
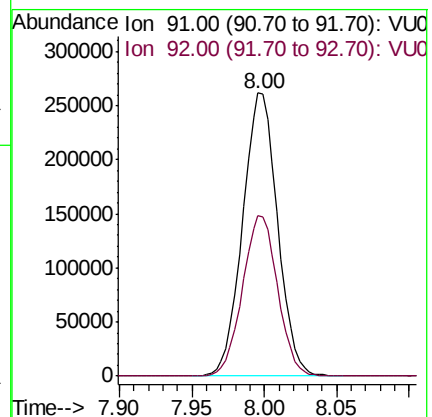
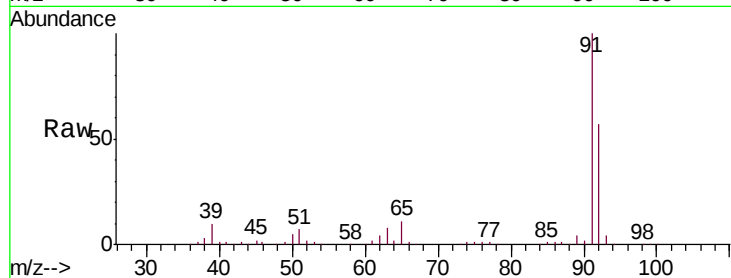
VSTD05058

Tgt Ion: 91 Resp: 438091

Ion Ratio Lower Upper

91 100

92 56.5 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 52.075 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036908.D

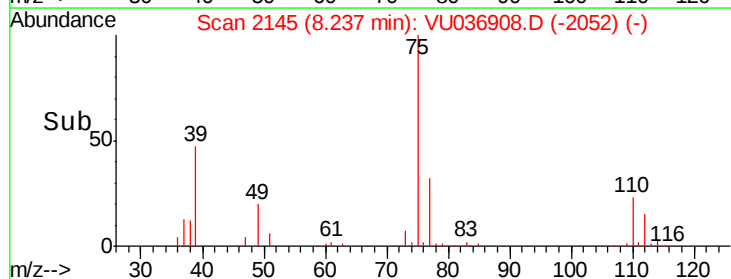
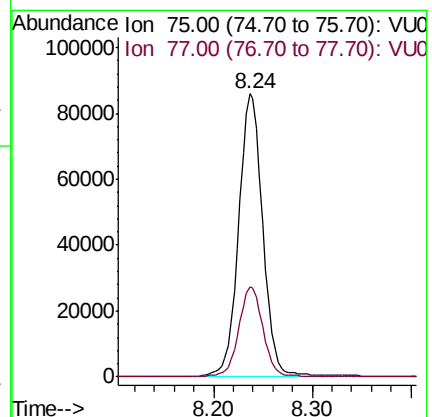
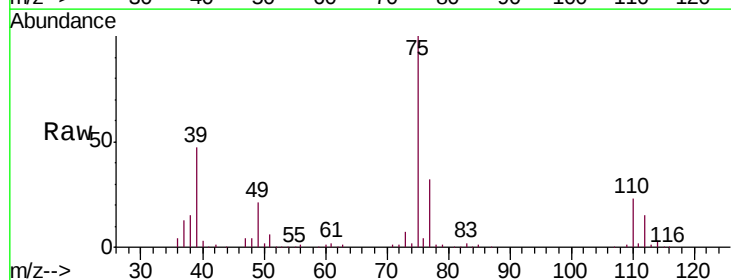
Acq: 26 Feb 2020 10:19

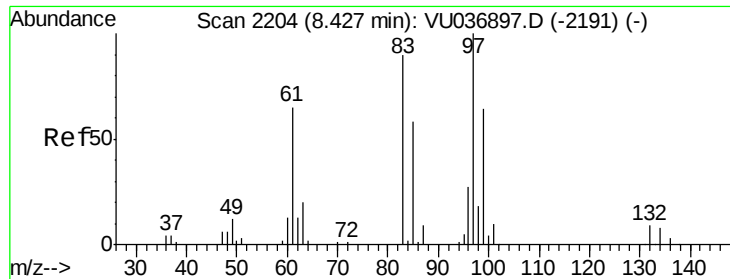
Tgt Ion: 75 Resp: 146735

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2

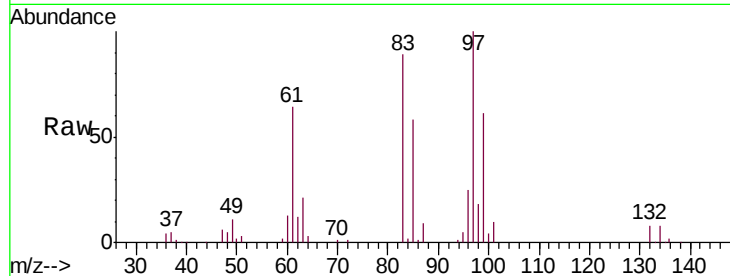




#45
 1,1,2-Trichloroethane
 Concen: 52.022 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

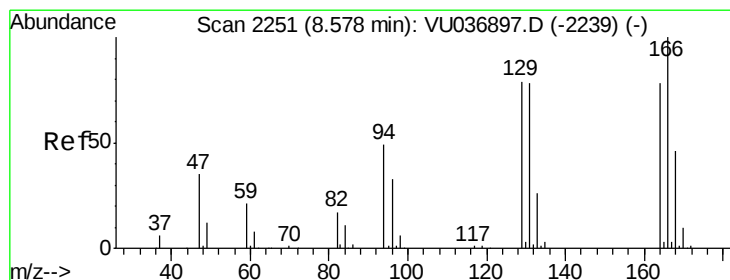
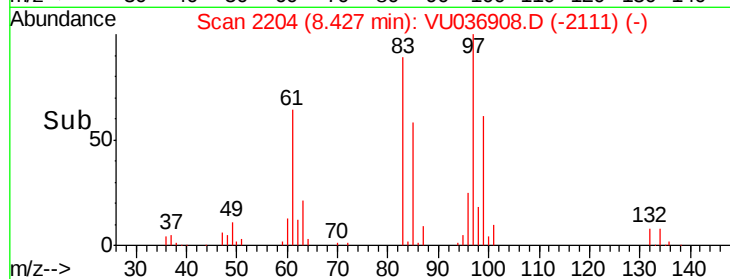
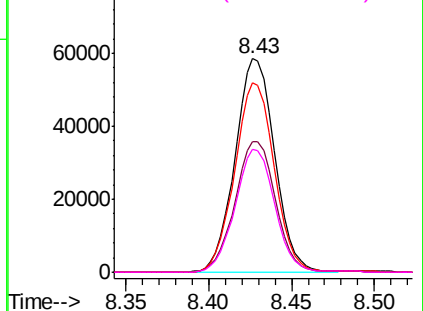
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:	97	Resp:	97550
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.6	81.0
83	89.0	62.7	116.5
85	57.6	40.3	74.9



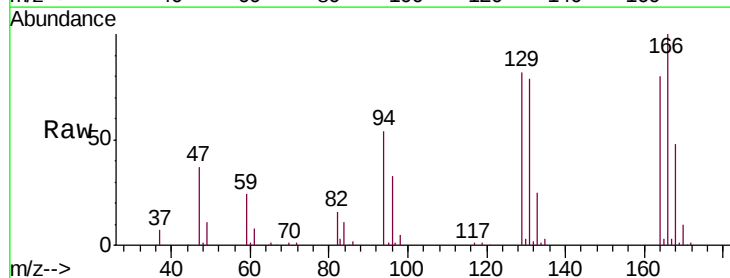
Abundance

Ion 97.00 (96.70 to 97.70): VU036908.D (-2191) (-)



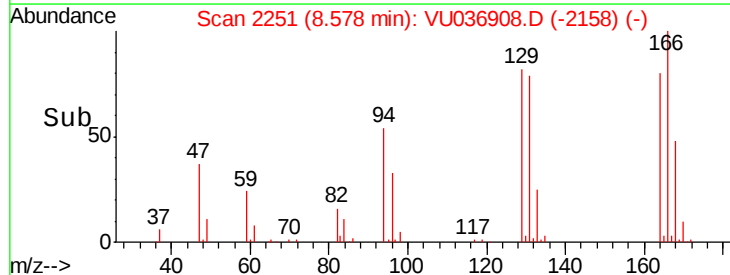
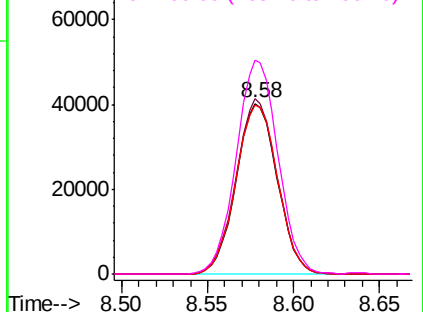
#46
 Tetrachloroethene
 Concen: 52.797 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

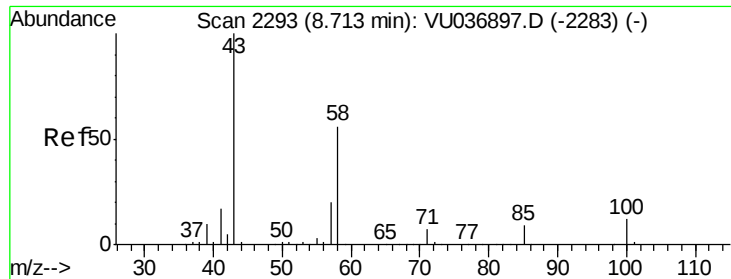
Tgt Ion:	164	Resp:	66949
Ion	Ratio	Lower	Upper
164	100		
129	103.0	72.0	133.8
131	99.1	67.9	126.1
166	125.1	87.1	161.7



Abundance

Ion 164.00 (163.70 to 164.70): VU036908.D (-2239) (-)

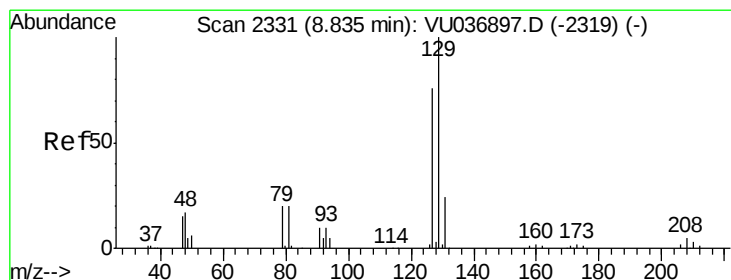
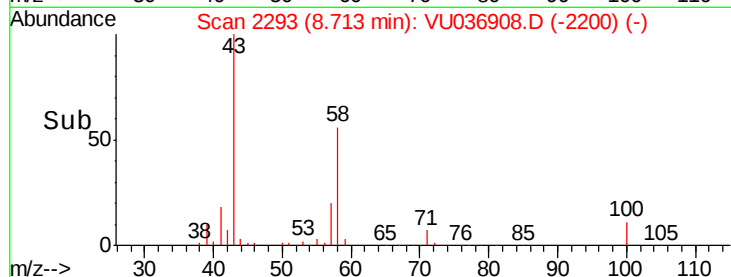
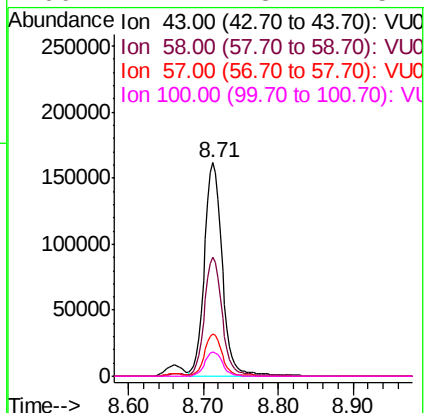
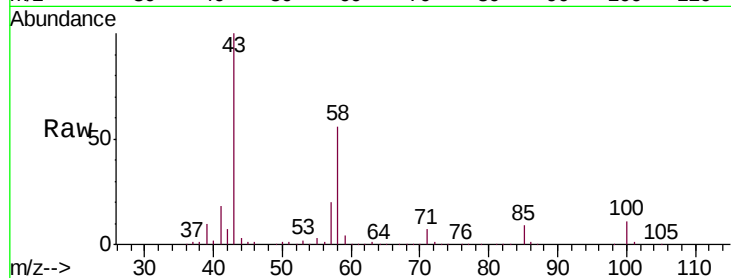




#48
2-Hexanone
Concen: 108.539 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

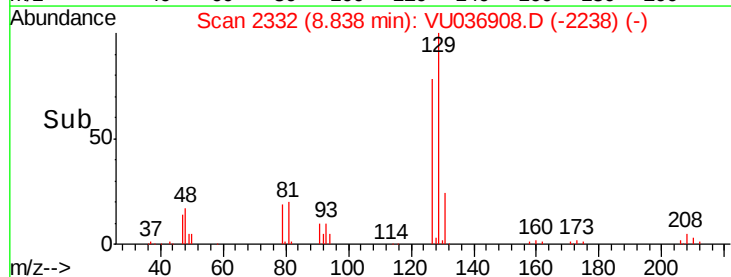
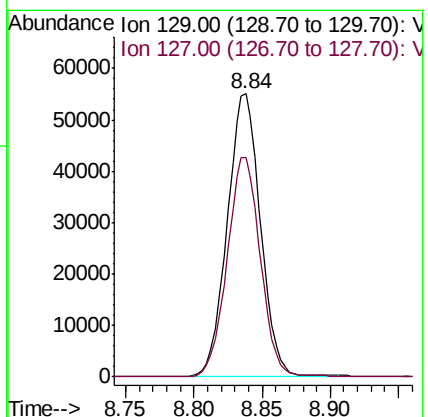
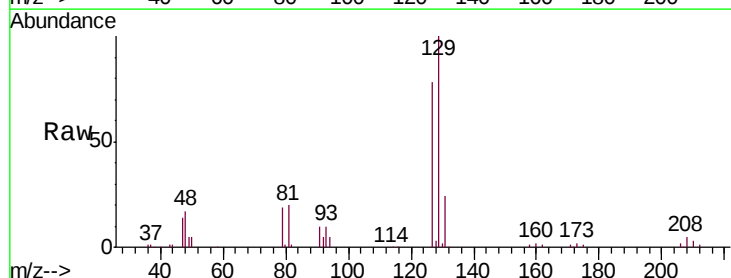
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

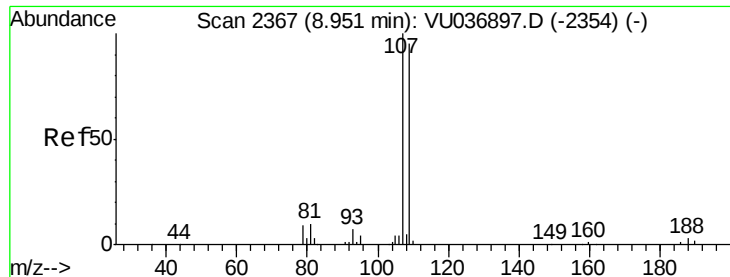
Tgt Ion:	43	Resp:	269125
Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.5	65.3
57	19.4	15.1	22.7
100	11.4	8.7	13.1



#49
Dibromochloromethane
Concen: 52.296 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion:	129	Resp:	93078
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.3	100.8

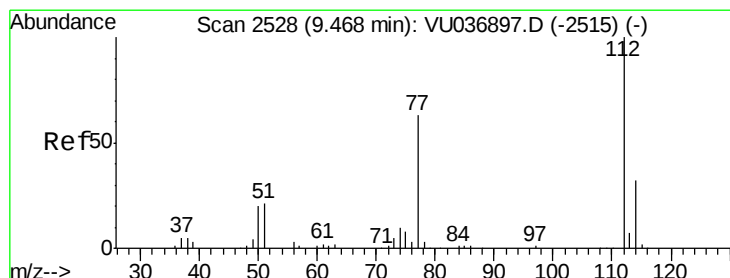
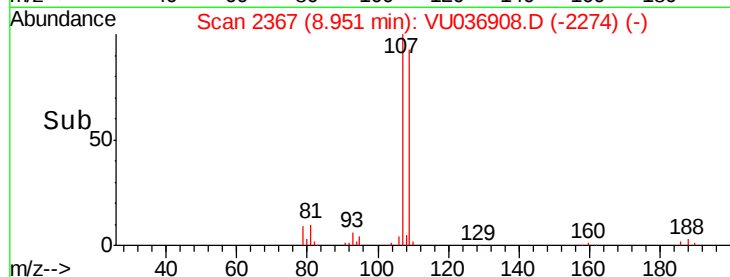
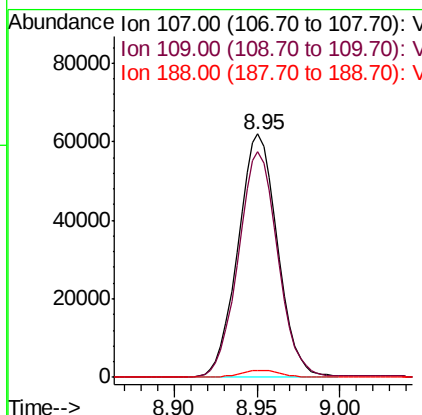
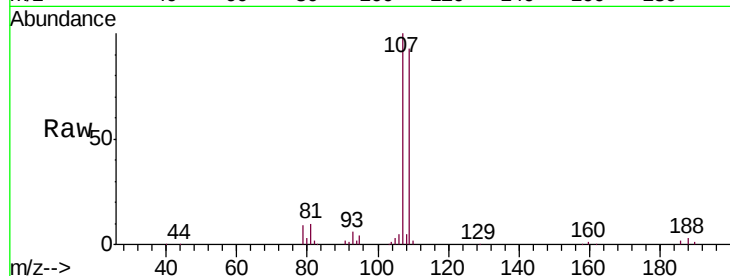




#50
1,2-Dibromoethane
Concen: 52.490 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

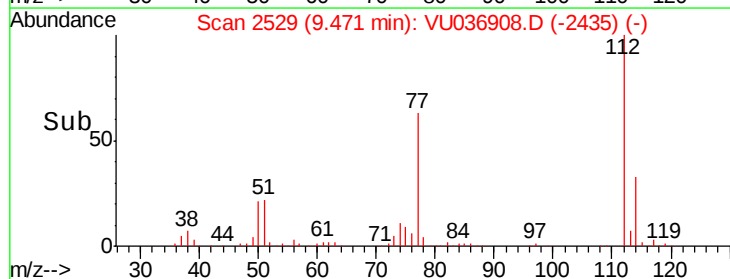
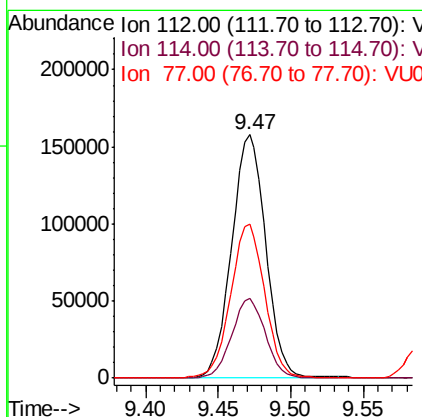
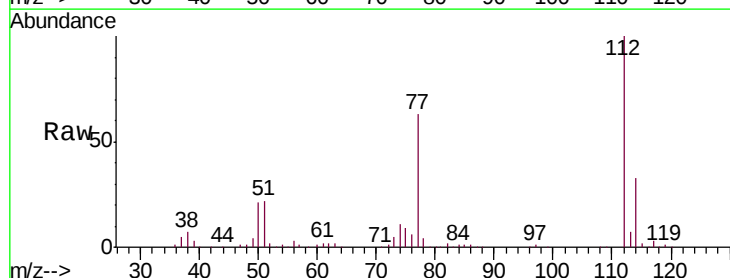
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

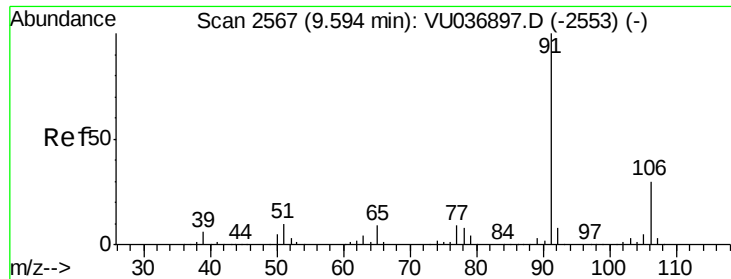
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.9	122.5
188	3.0	2.2	3.2



#51
Chlorobenzene
Concen: 52.064 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU036908.D
Acq: 26 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	63.2	50.1	75.1





#52

Ethylbenzene

Concen: 51.969 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

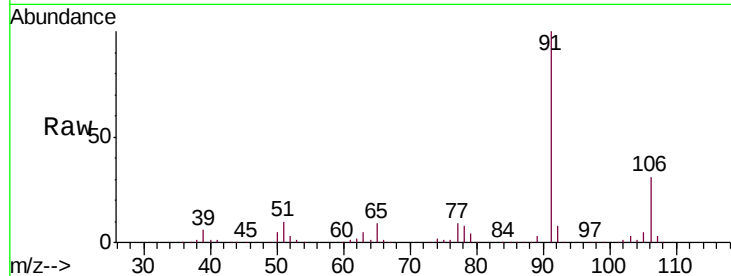
VSTD05058

Tgt Ion: 91 Resp: 470056

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



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

Ion 106.00 (105.70 to 106.70): VU036897.D (-2553) (-)

9.59

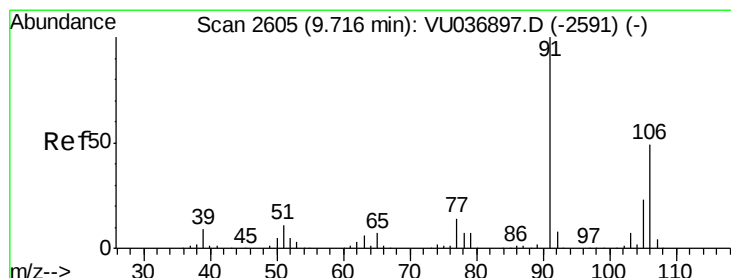
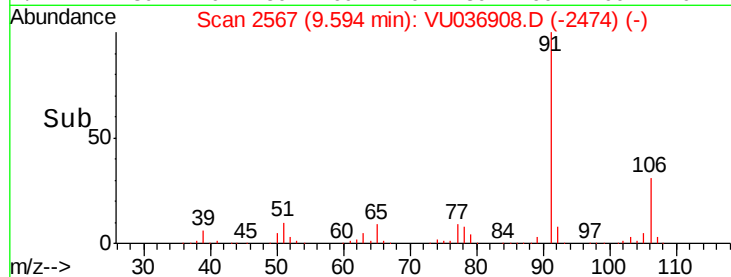
300000

200000

100000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 52.979 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036908.D

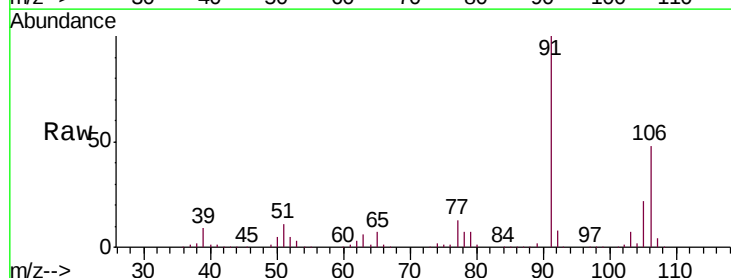
Acq: 26 Feb 2020 10:19

Tgt Ion: 106 Resp: 175775

Ion Ratio Lower Upper

106 100

91 209.7 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036897.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU036897.D (-2591) (-)

9.72

250000

200000

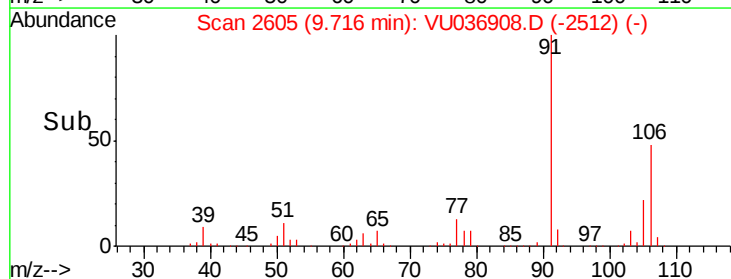
150000

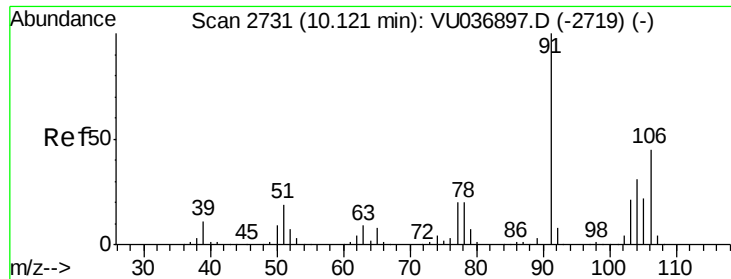
100000

50000

0

Time--> 9.65 9.70 9.75 9.80





#54

o-xylene

Concen: 51.949 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

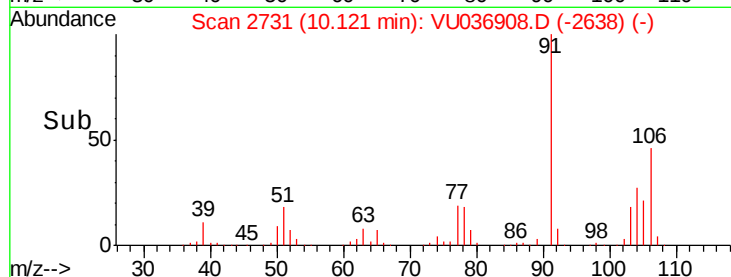
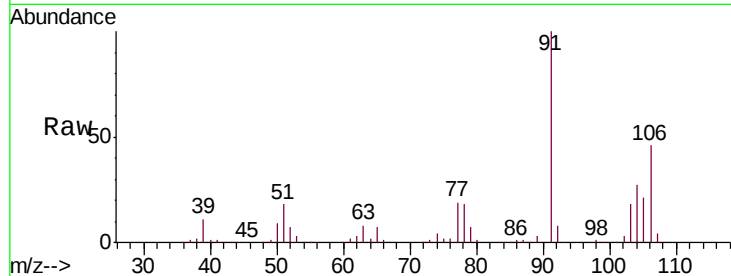
VSTD05058

Tgt Ion:106 Resp: 171905

Ion Ratio Lower Upper

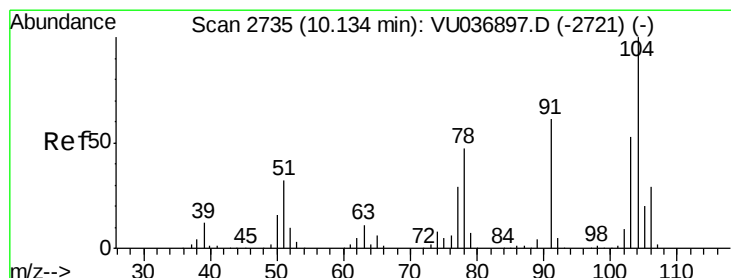
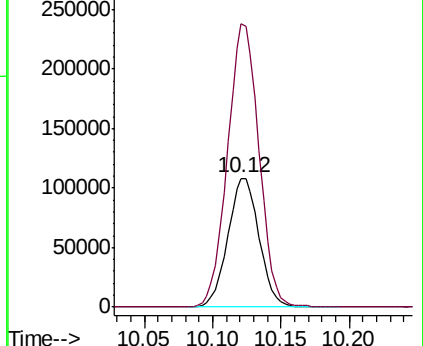
106 100

91 219.2 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.520 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU036908.D

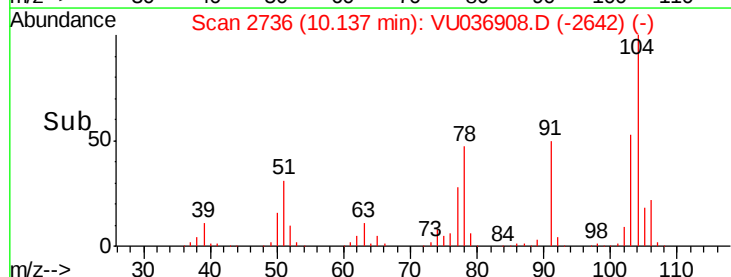
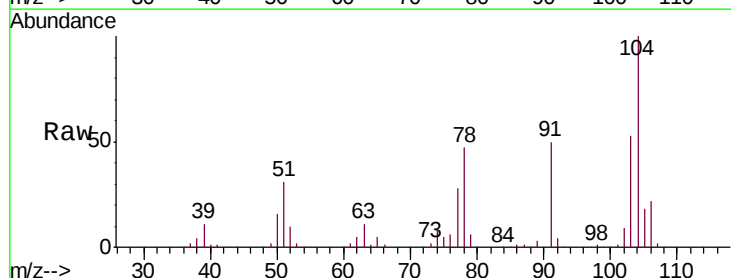
Acq: 26 Feb 2020 10:19

Tgt Ion:104 Resp: 289513

Ion Ratio Lower Upper

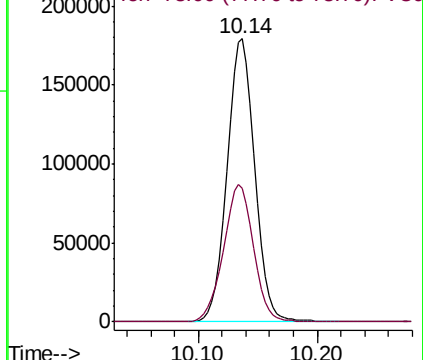
104 100

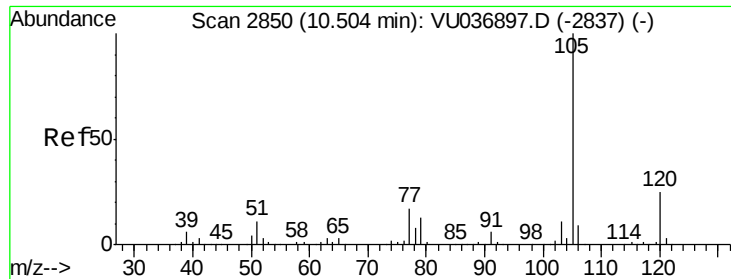
78 47.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.003 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

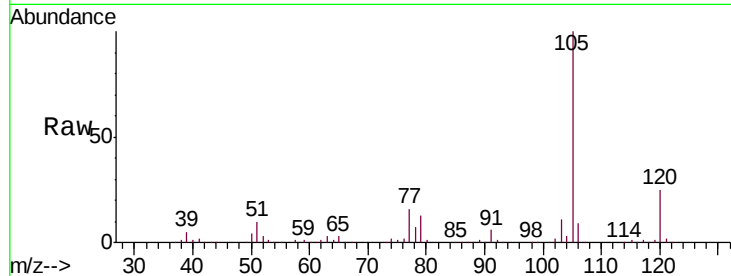
Tgt Ion: 105 Resp: 450486

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

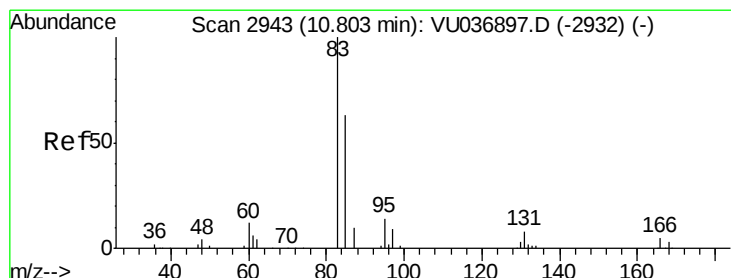
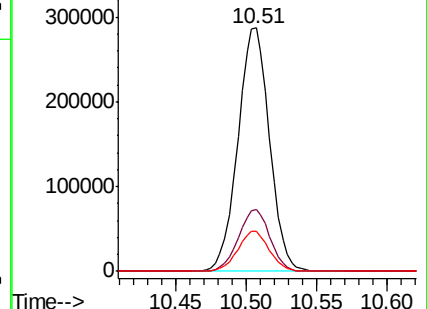
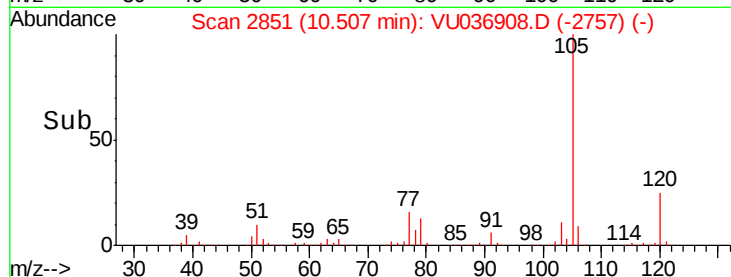
77 16.4 13.1 19.7



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: 51.697 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

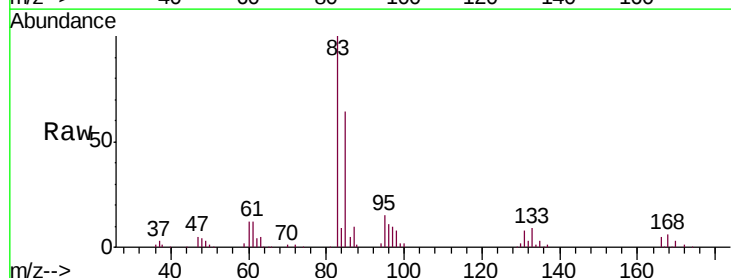
Tgt Ion: 83 Resp: 173306

Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

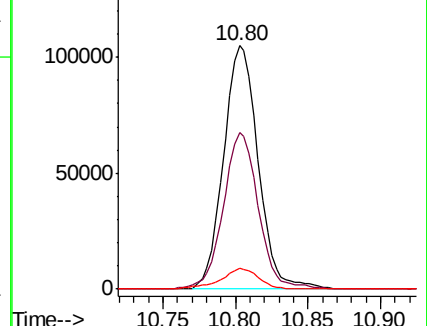
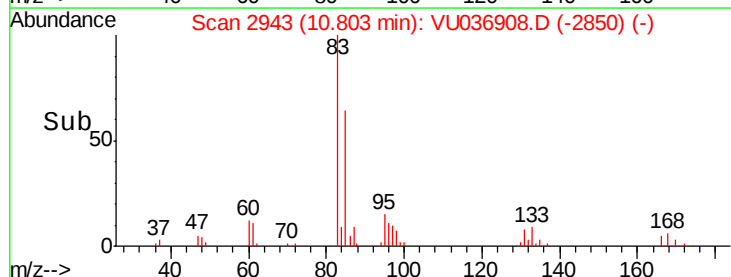
131 8.4 6.8 10.2

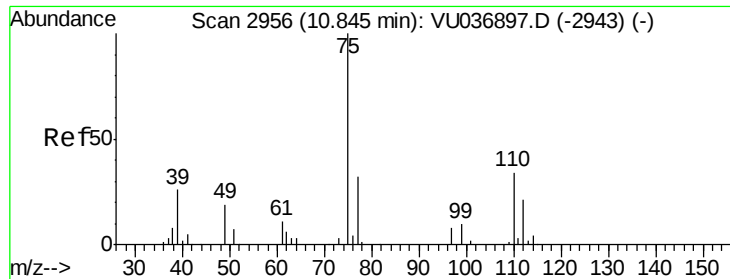


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.708 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

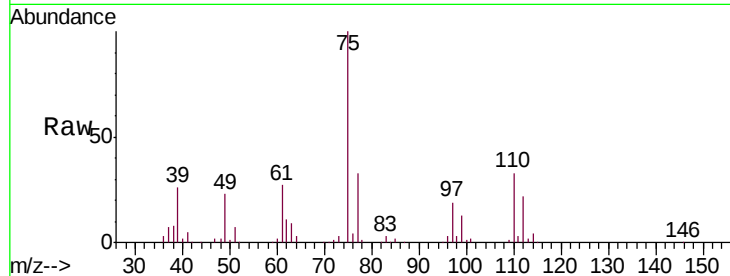
VSTD05058

Tgt Ion: 75 Resp: 140267

Ion Ratio Lower Upper

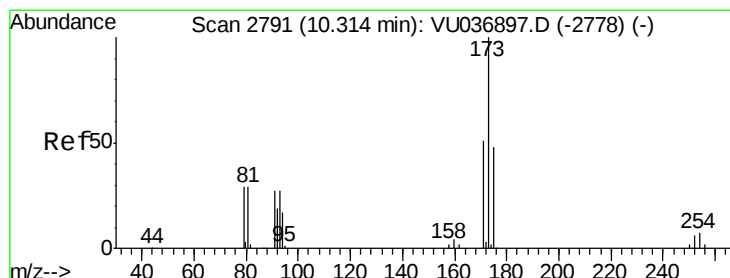
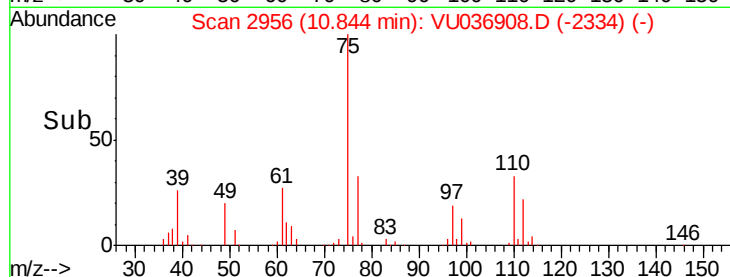
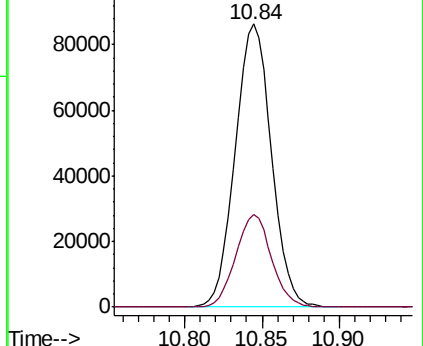
75 100

77 32.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036897.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036897.D (-2943) (-)



#61

Bromoform

Concen: 52.739 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

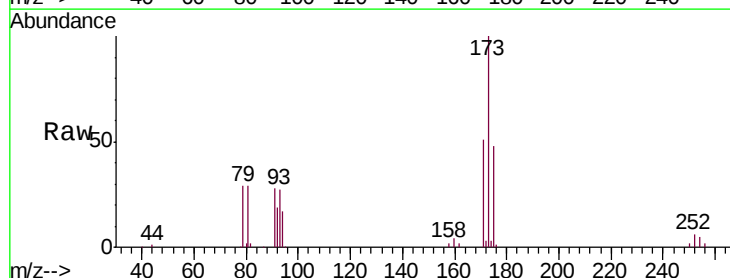
Tgt Ion: 173 Resp: 64731

Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.6

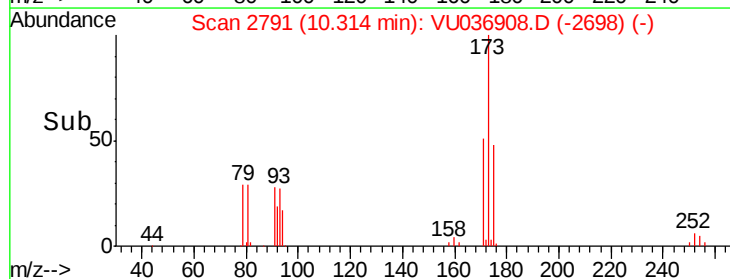
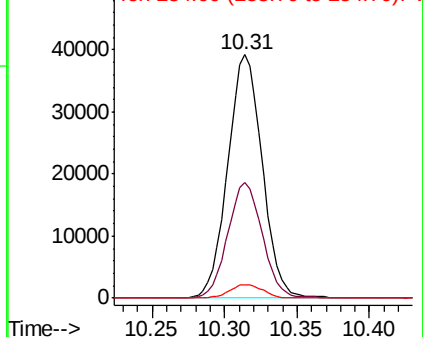
254 5.3 4.6 6.8

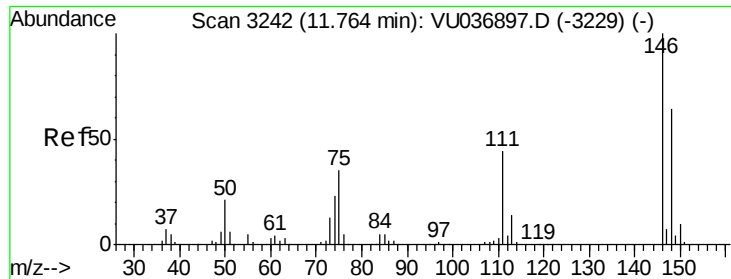


Abundance Ion 173.00 (172.70 to 173.70): VU036897.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU036897.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU036897.D (-2778) (-)

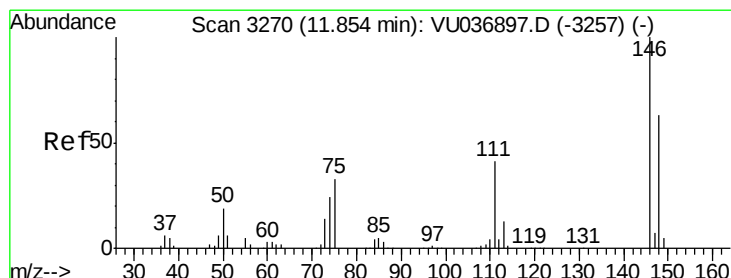
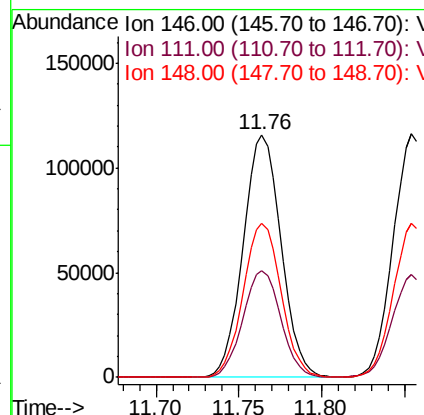
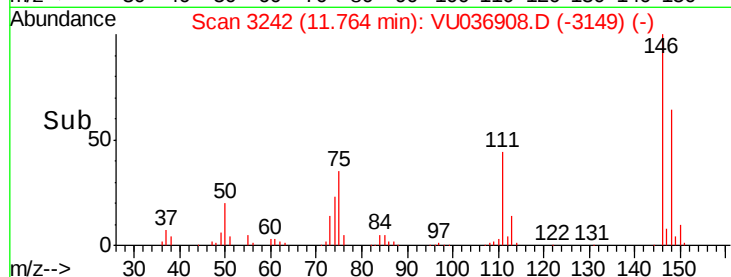
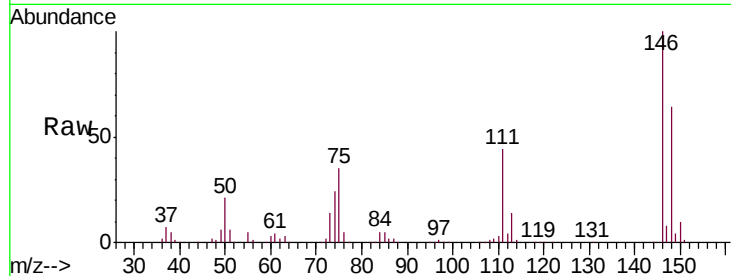




#62
 1,3-Dichlorobenzene
 Concen: 52.285 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

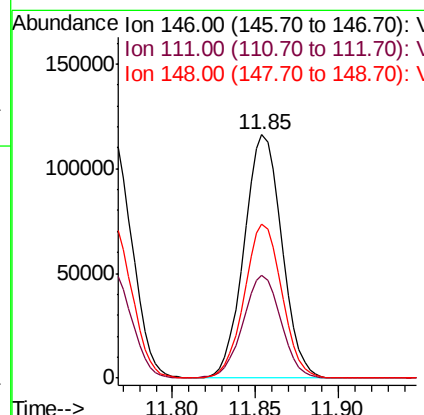
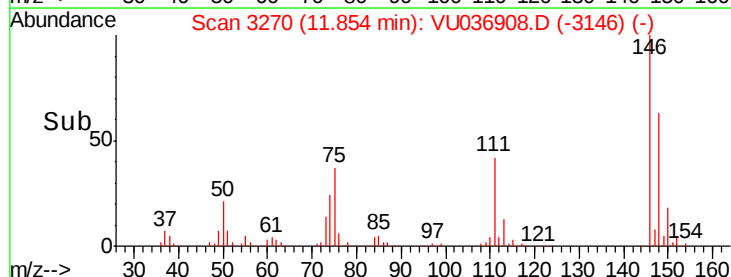
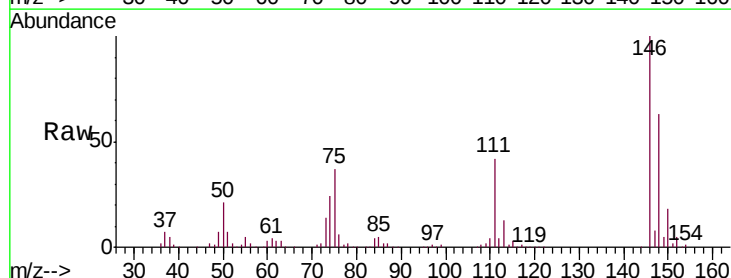
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

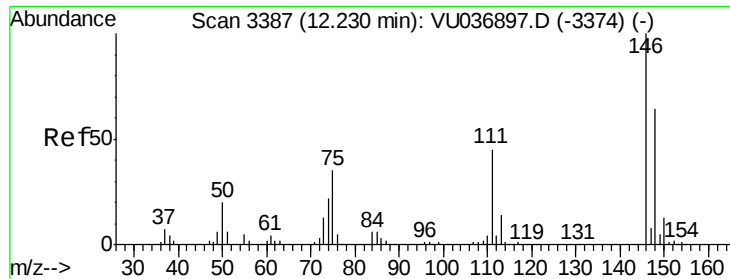
Tgt Ion:146 Resp: 184133
 Ion Ratio Lower Upper
 146 100
 111 44.0 30.7 56.9
 148 63.5 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 53.052 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

Tgt Ion:146 Resp: 184589
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.8 55.4
 148 63.3 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 52.682 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

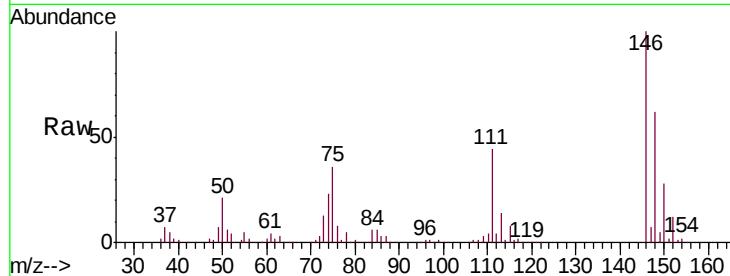
Tgt Ion:146 Resp: 185248

Ion Ratio Lower Upper

146 100

111 44.4 35.4 53.0

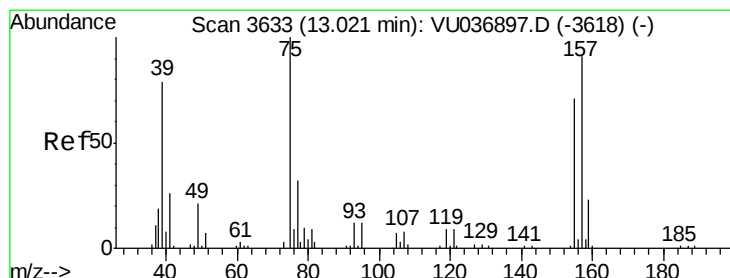
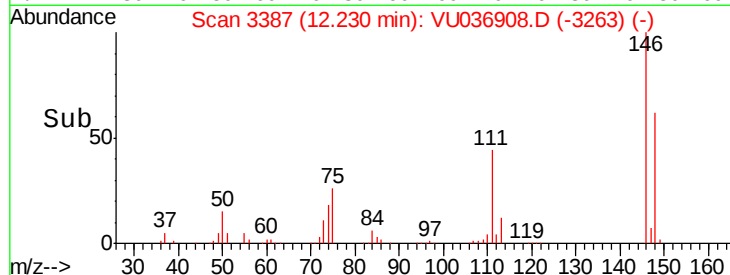
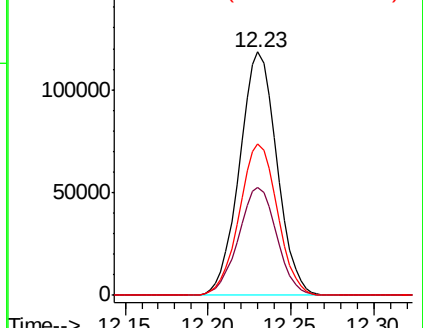
148 62.2 50.5 75.7



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: 51.695 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

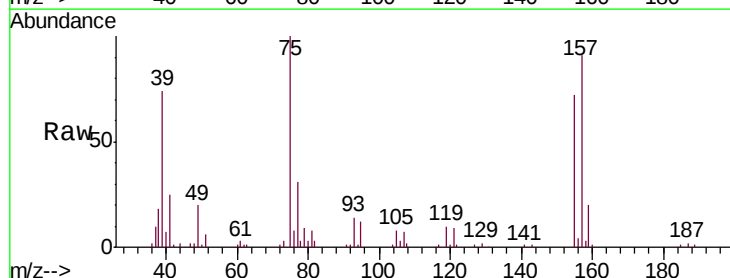
Tgt Ion: 75 Resp: 36063

Ion Ratio Lower Upper

75 100

155 72.3 55.7 83.5

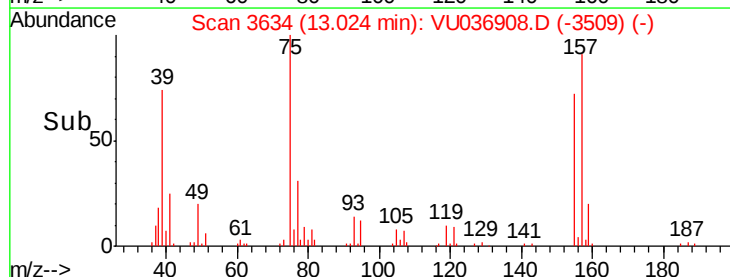
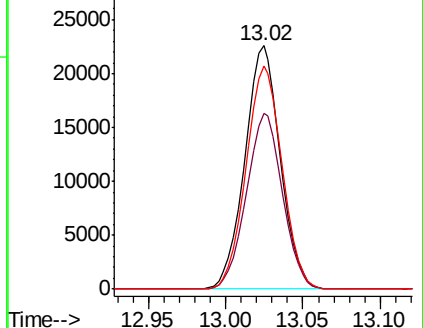
157 91.4 73.0 109.6

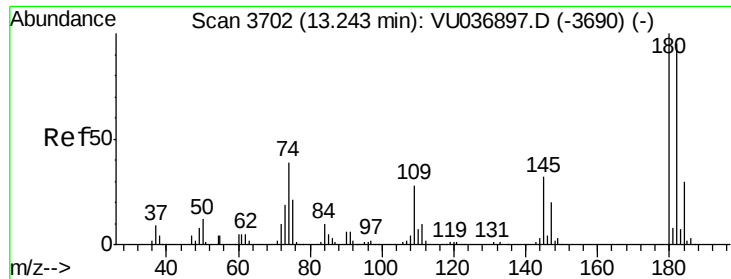


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

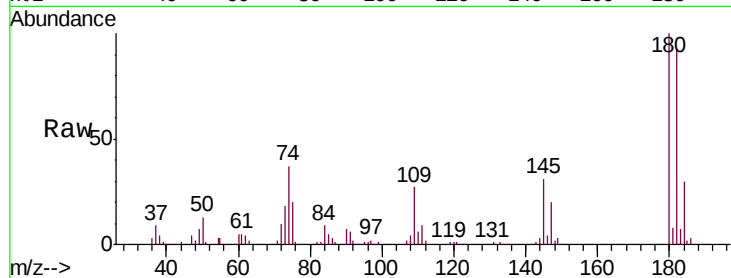




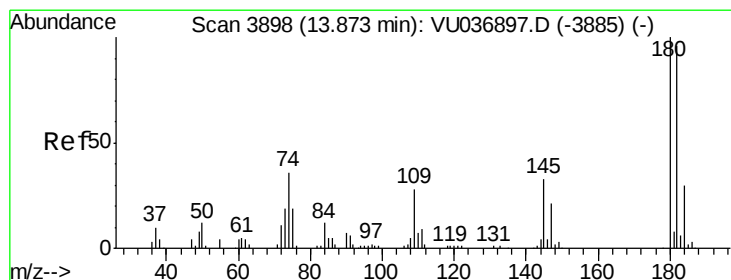
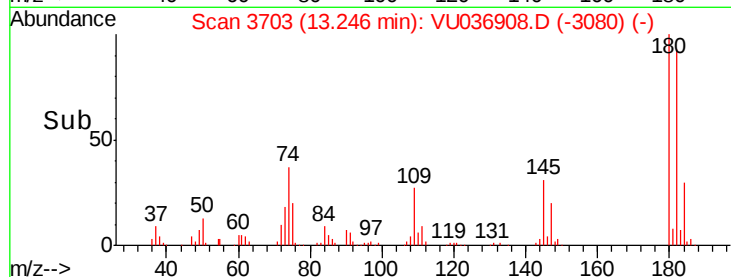
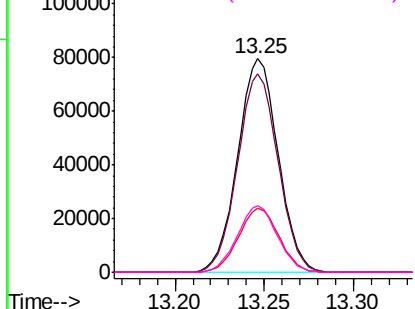
#67
 1,3,5-Trichlorobenzene
 Concen: 56.375 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:180 Resp: 126020
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.9 115.3
 184 29.9 24.2 36.2
 145 30.9 25.3 37.9

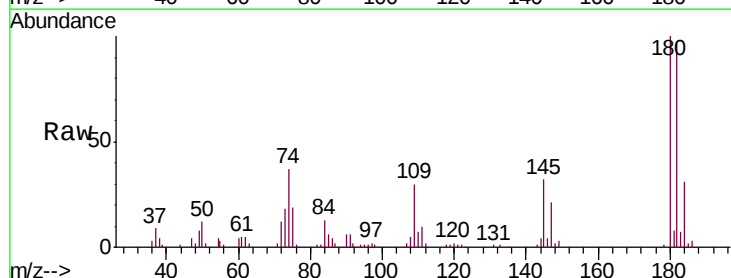


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

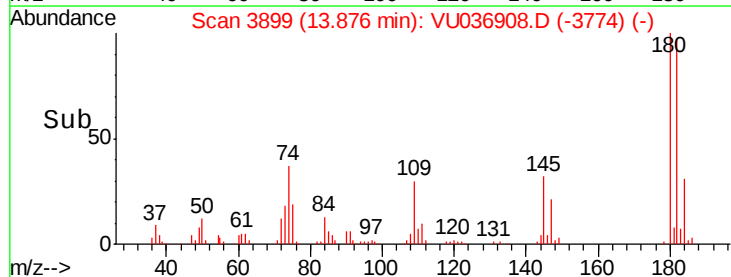
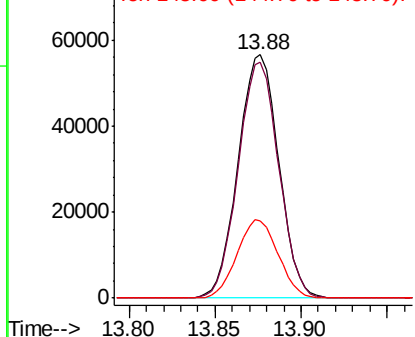


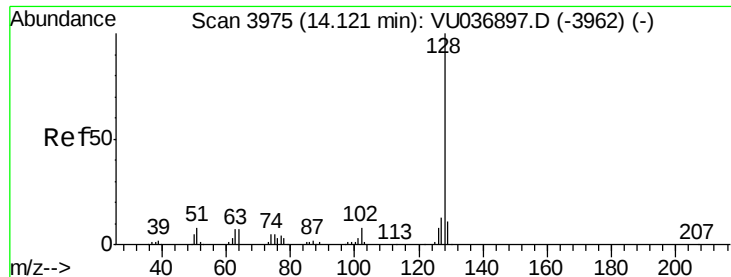
#68
 1,2,4-trichlorobenzene
 Concen: 55.376 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU036908.D
 Acq: 26 Feb 2020 10:19

Tgt Ion:180 Resp: 92744
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.3 112.9
 145 32.4 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: 50.258 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

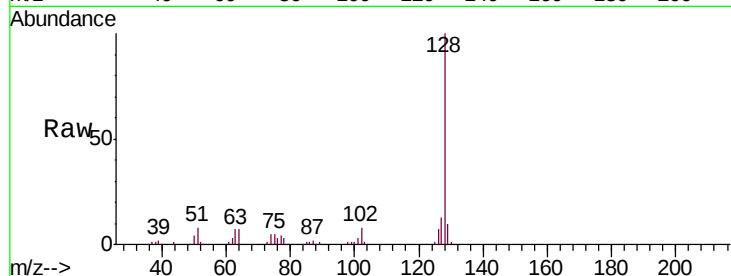
Tgt Ion:128 Resp: 148585

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

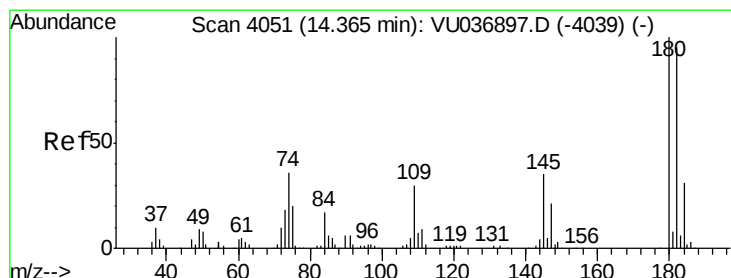
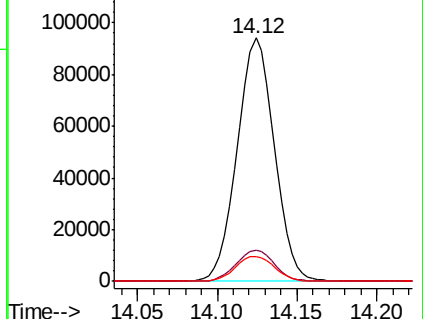
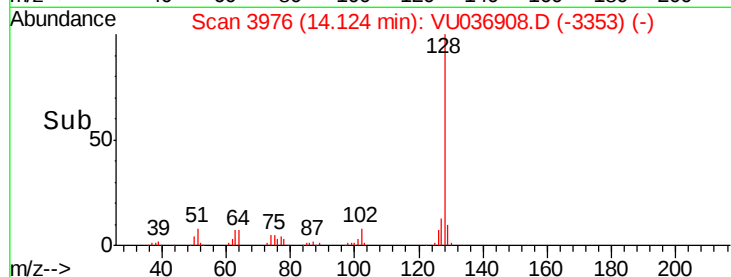
129 10.7 8.6 12.8



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: 55.150 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU036908.D

Acq: 26 Feb 2020 10:19

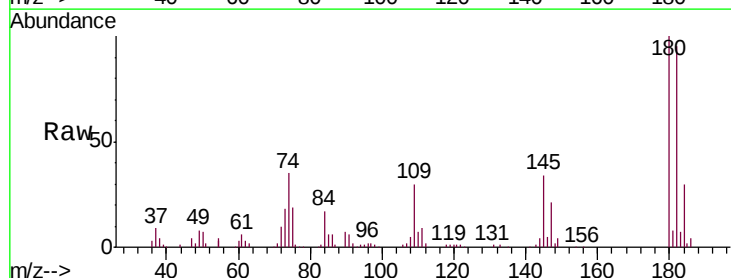
Tgt Ion:180 Resp: 92301

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 33.9 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

