

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031620\
 Data File : VU037291.D
 Acq On : 16 Mar 2020 12:54
 Operator : JC/MD
 Sample : VSTD01003
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Quant Time: Mar 16 18:29:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 18:25:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	134182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	135865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	71707	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74725	8.95	ug/L	0.00
7) Chloroethane-d5	1.93	69	66755	10.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	161244	9.23	ug/L	0.00
20) 2-Butanone-d5	4.68	46	232895	104.88	ug/L	0.00
24) Chloroform-d	5.10	84	177167	10.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	98606	9.65	ug/L	0.00
32) Benzene-d6	5.76	84	307250	9.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	99640	9.44	ug/L	0.00
41) Toluene-d8	7.93	98	303198	9.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	45489	10.62	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	207967	114.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	84172	9.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	116930	9.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	161176	9.56	ug/L	99
3) Chloromethane	1.53	50	150967	10.28	ug/L	99
5) Vinyl chloride	1.62	62	138045	10.56	ug/L	99
6) Bromomethane	1.87	94	70073	13.37	ug/L	99
8) Chloroethane	1.95	64	74508	10.85	ug/L	94
9) Trichlorofluoromethane	2.16	101	208173	11.04	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	96851	10.22	ug/L	98
12) 1,1-Dichloroethene	2.60	96	86612	10.04	ug/L	99
13) Acetone	2.67	43	186712	103.51	ug/L	99
14) Carbon disulfide	2.82	76	278212	9.81	ug/L	100
15) Methyl Acetate	2.99	43	42947	10.02	ug/L	100
16) Methylene chloride	3.08	84	98462	9.54	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	254436	10.85	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	93927	10.38	ug/L	99
19) 1,1-Dichloroethane	3.91	63	188433	10.21	ug/L	96
21) 2-Butanone	4.75	43	302140	105.79	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	105235	10.48	ug/L	95
23) Bromochloromethane	5.02	128	47800	10.75	ug/L	96
25) Chloroform	5.13	83	203446	10.09	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144176	10.19	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	184238	10.52	ug/L	98
30) Cyclohexane	5.42	56	171630	10.38	ug/L	99
31) Carbon tetrachloride	5.56	117	165983	10.93	ug/L	100
33) Benzene	5.81	78	408119	10.29	ug/L	100
34) Trichloroethene	6.57	95	110410	10.25	ug/L	96
35) Methylcyclohexane	6.79	83	179093	10.83	ug/L	97
37) 1,2-Dichloropropane	6.82	63	108224	10.35	ug/L	100
38) Bromodichloromethane	7.13	83	149114	10.61	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	167146	11.02	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	750465	101.53	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

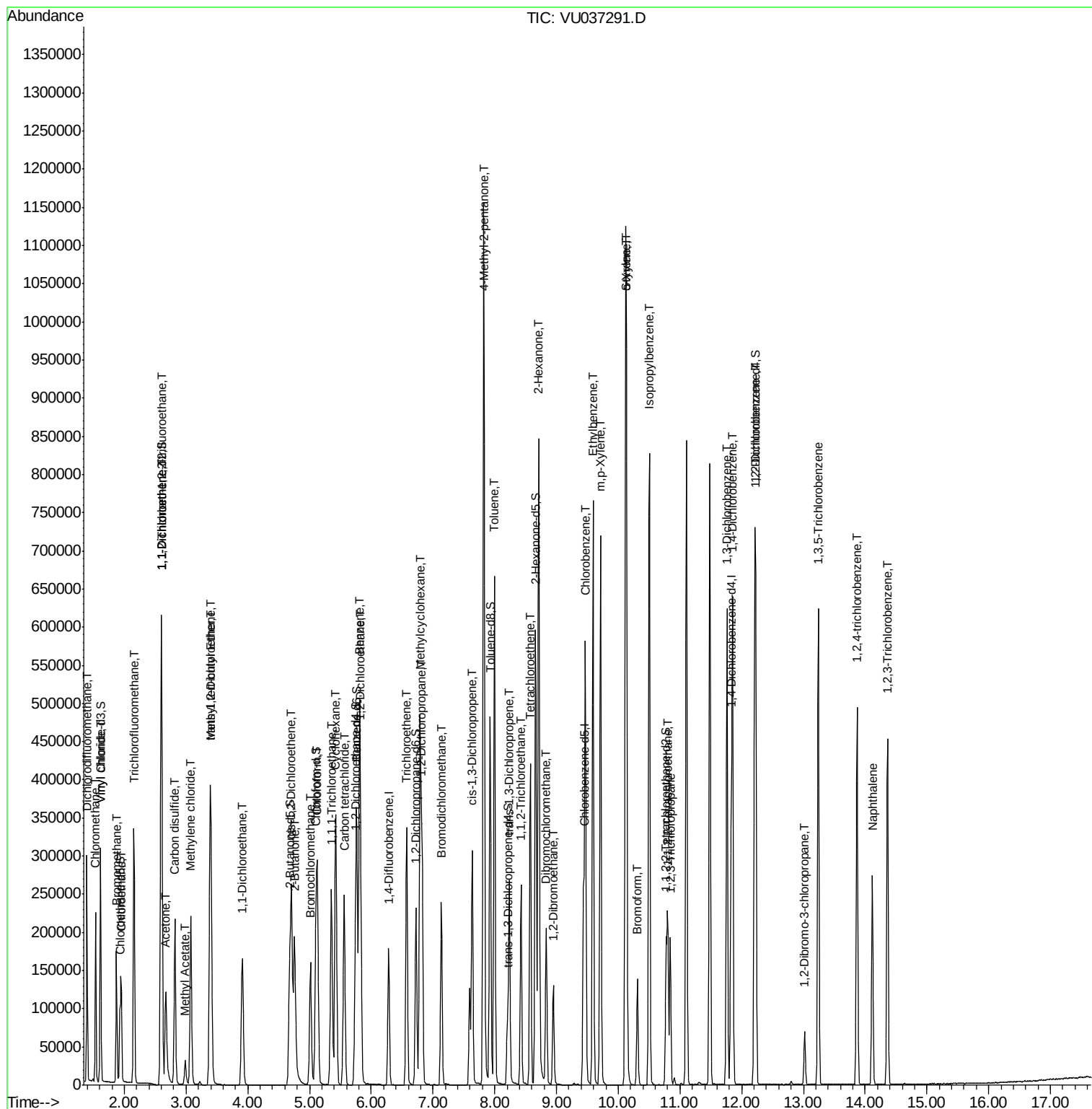
42) Toluene	8.00	91	458095	10.74	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	142322	11.25	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	76252	10.09	ug/L	99
47) Tetrachloroethene	8.58	164	87872	10.47	ug/L	97
48) 2-Hexanone	8.71	43	557029	108.81	ug/L	99
49) Dibromochloromethane	8.83	129	102579	11.10	ug/L	99
50) 1,2-Dibromoethane	8.95	107	76562	10.66	ug/L	97
51) Chlorobenzene	9.47	112	283482	10.26	ug/L	98
52) Ethylbenzene	9.59	91	520912	11.02	ug/L	97
53) m,p-Xylene	9.71	106	194030	11.42	ug/L	96
54) o-Xylene	10.12	106	184821	11.06	ug/L	97
55) Styrene	10.13	104	319802	11.71	ug/L	97
56) Isopropylbenzene	10.50	105	515343	11.50	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	100036	10.66	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	74022	9.84	ug/L	99
61) Bromoform	10.31	173	60010	10.84	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	236398	10.14	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	232212	10.03	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	220562	9.96	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	17692	10.40	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	184435	11.38	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	140979	12.64	ug/L	96
69) Naphthalene	14.12	128	212207	13.36	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	130350	12.51	ug/L	99

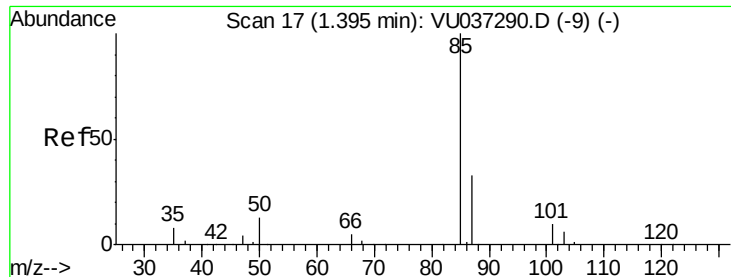
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.56 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

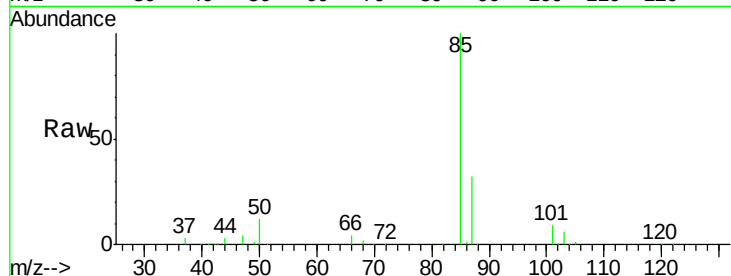
VSTD01003

Tgt Ion: 85 Resp: 161176

Ion Ratio Lower Upper

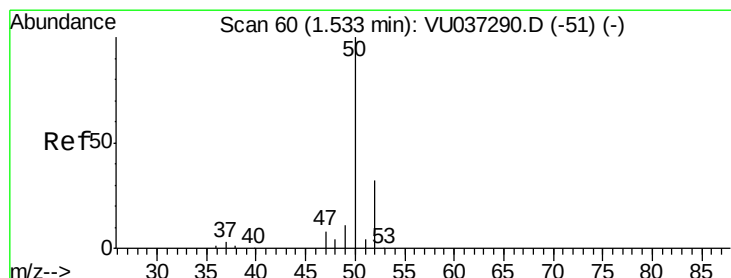
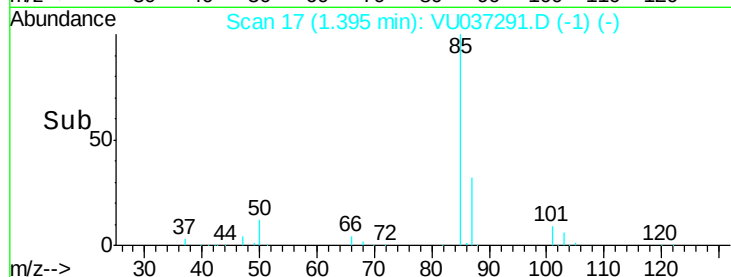
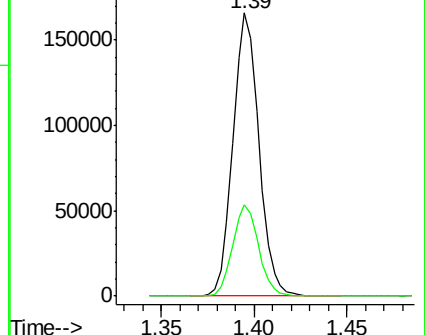
85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037291.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037291.D (-9) (-)



#3

Chloromethane

Concen: 10.28 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037291.D

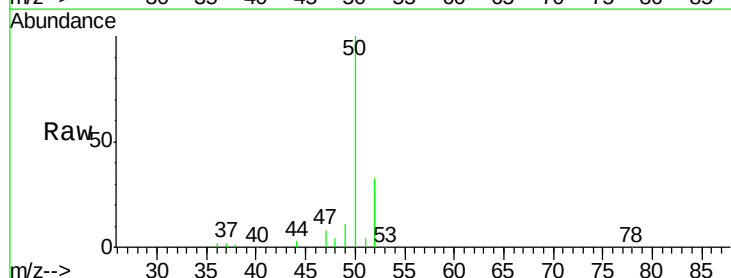
Acq: 16 Mar 2020 12:54

Tgt Ion: 50 Resp: 150967

Ion Ratio Lower Upper

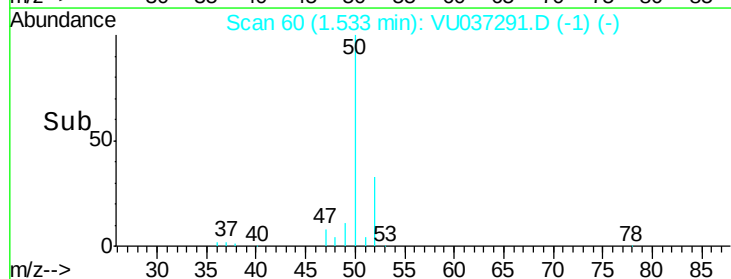
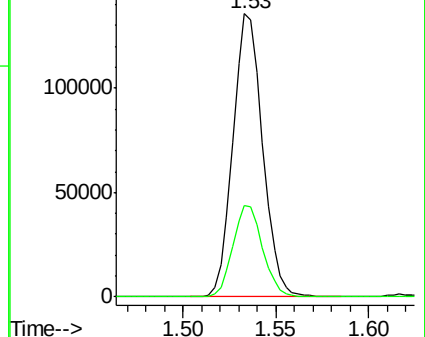
50 100

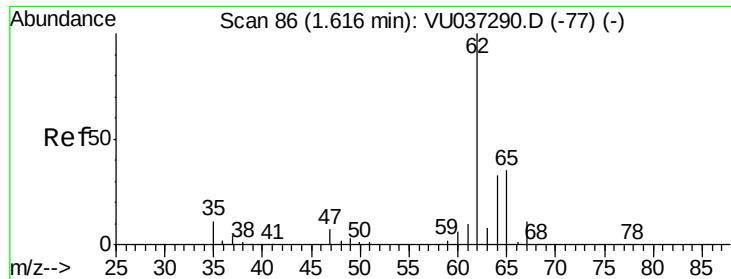
52 32.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037291.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037291.D (-51) (-)





#5

Vinyl chloride

Concen: 10.56 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

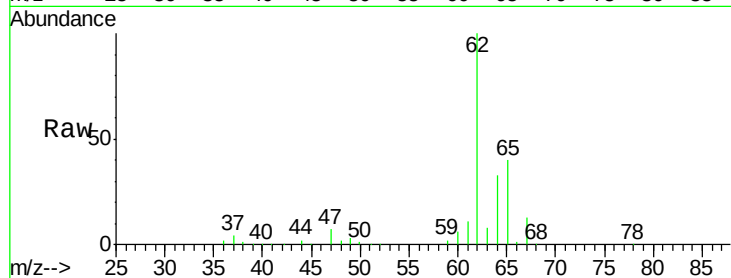
VSTD01003

Tgt Ion: 62 Resp: 138045

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037291.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037291.D (-77) (-)

1.62

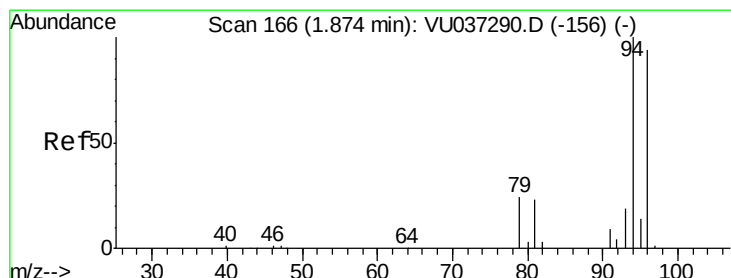
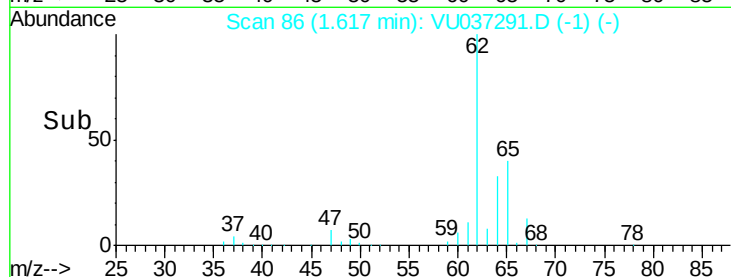
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 13.37 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037291.D

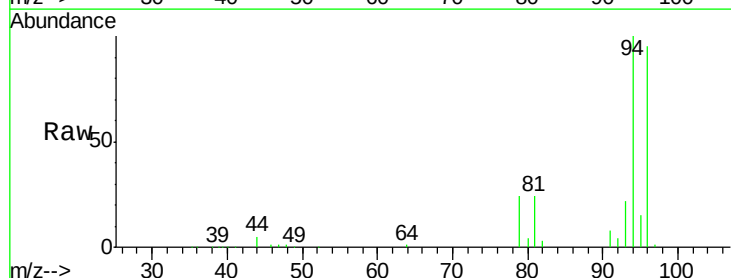
Acq: 16 Mar 2020 12:54

Tgt Ion: 94 Resp: 70073

Ion Ratio Lower Upper

94 100

96 95.1 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU037291.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037291.D (-156) (-)

1.87

60000

50000

40000

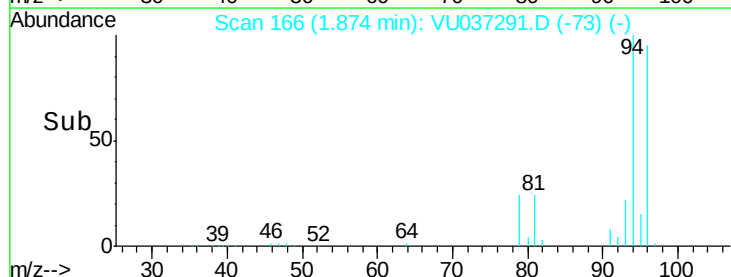
30000

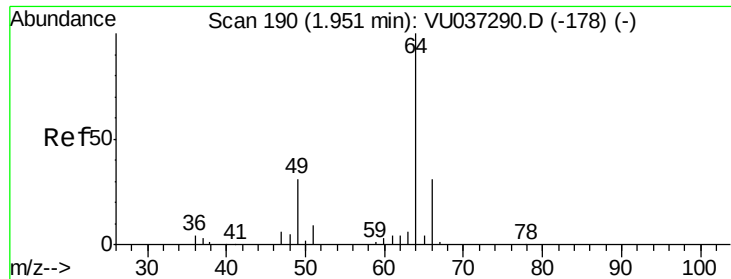
20000

10000

0

Time-->

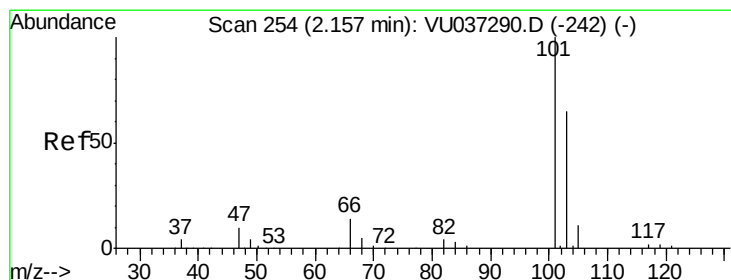
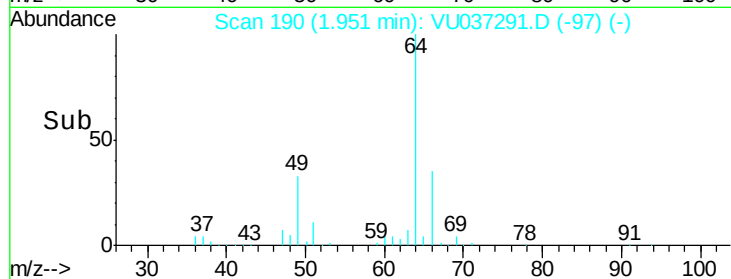
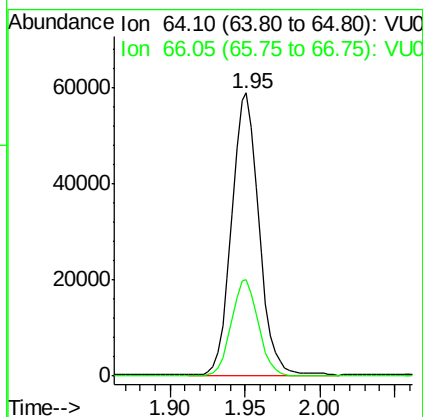
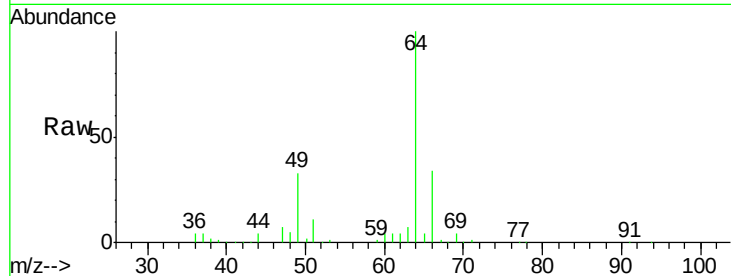




#8
Chloroethane
Concen: 10.85 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

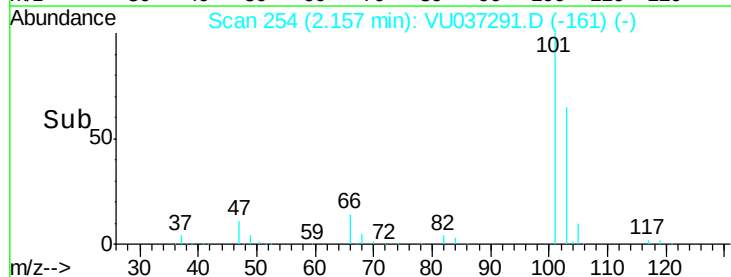
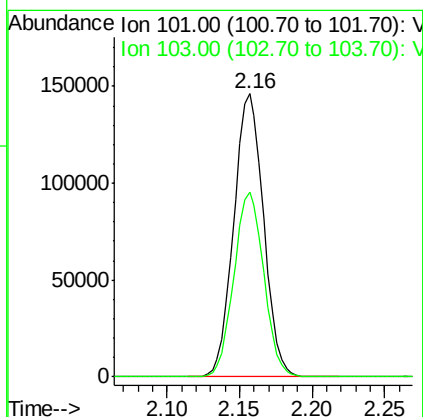
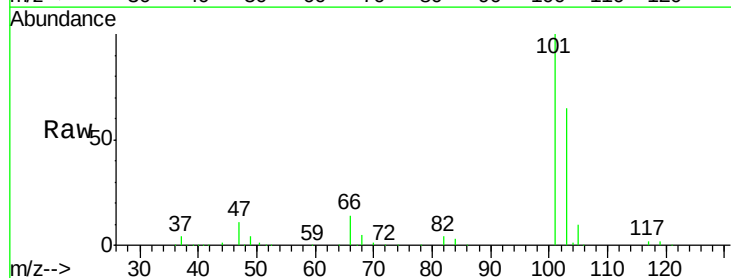
Instrument :
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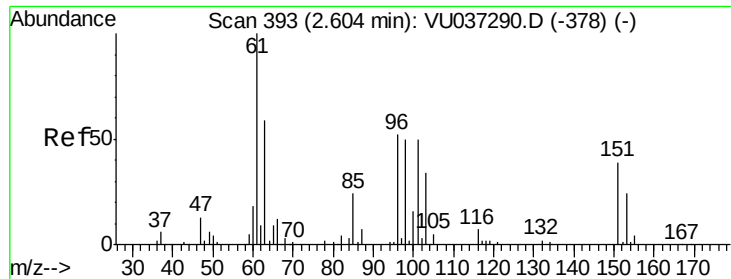
Tgt Ion: 64 Resp: 74508
Ion Ratio Lower Upper
64 100
66 34.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 11.04 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 101 Resp: 208173
Ion Ratio Lower Upper
101 100
103 65.5 52.9 79.3





#10

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

Concen: 10.22 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

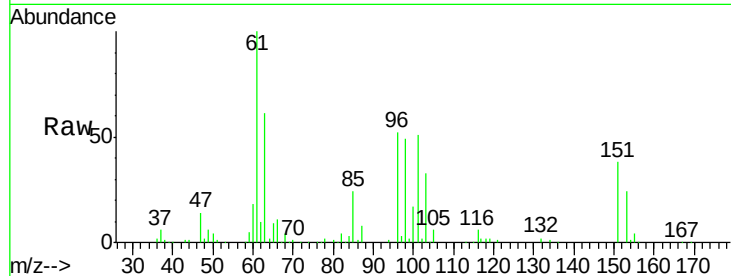
Tgt Ion:101 Resp: 96851

Ion Ratio Lower Upper

101 100

85 48.3 39.1 58.7

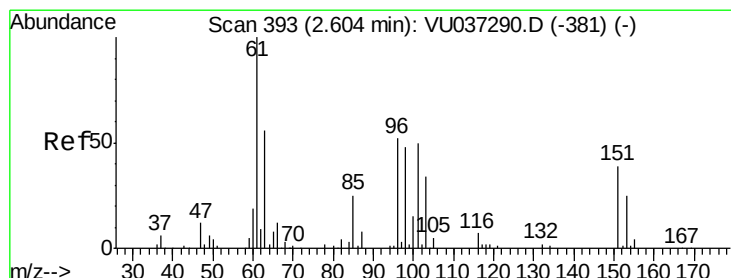
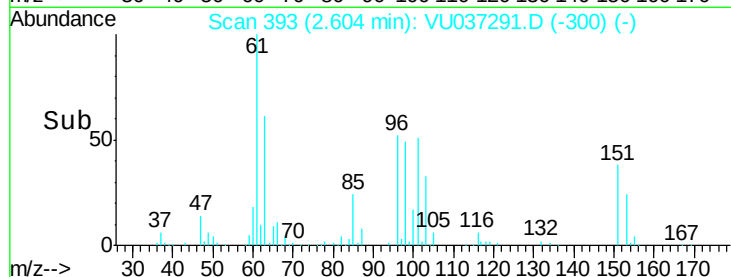
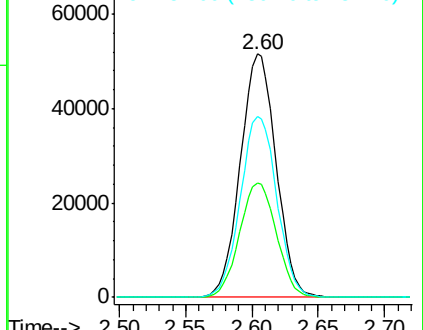
151 75.9 62.5 93.7



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: 10.04 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

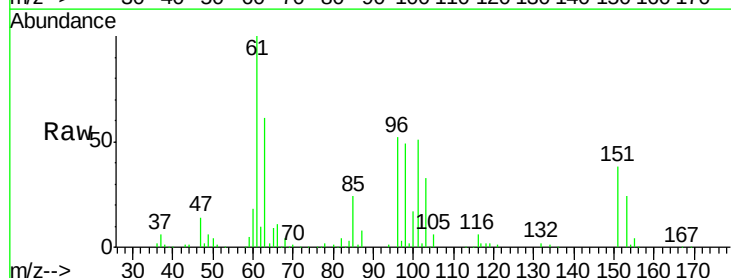
Tgt Ion: 96 Resp: 86612

Ion Ratio Lower Upper

96 100

61 191.2 134.3 249.5

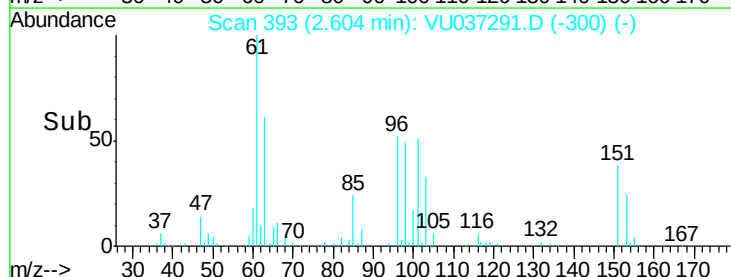
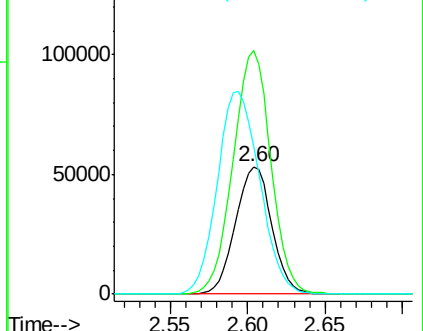
63 116.2 80.3 149.1

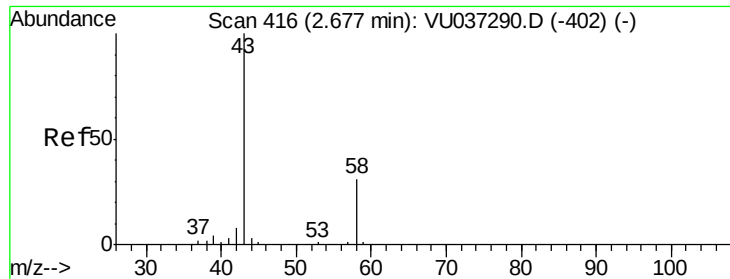


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.51 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037291.D

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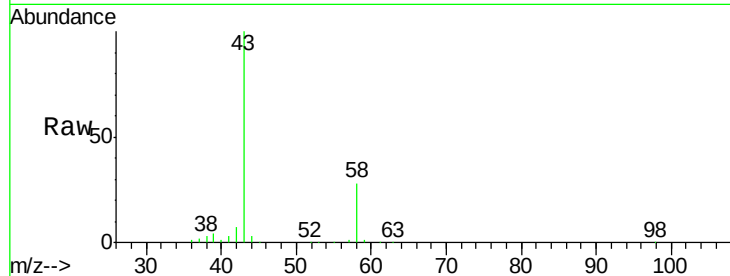
VSTD01003

Tgt Ion: 43 Resp: 186712

Ion Ratio Lower Upper

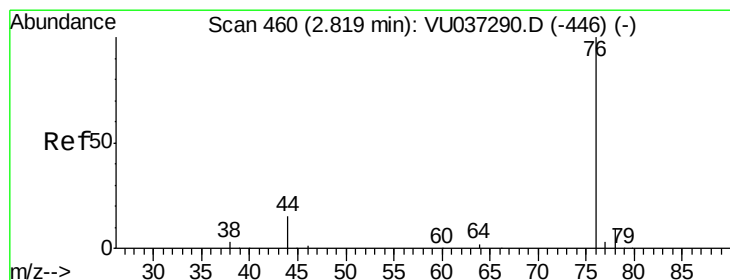
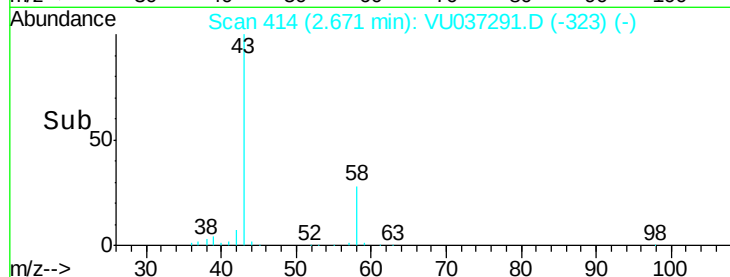
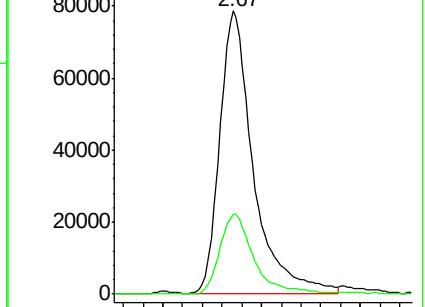
43 100

58 29.4 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037291.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU037291.D (-323) (-)



#14

Carbon disulfide

Concen: 9.81 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037291.D

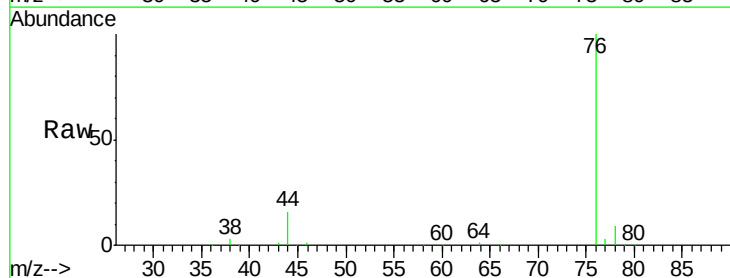
Acq: 16 Mar 2020 12:54

Tgt Ion: 76 Resp: 278212

Ion Ratio Lower Upper

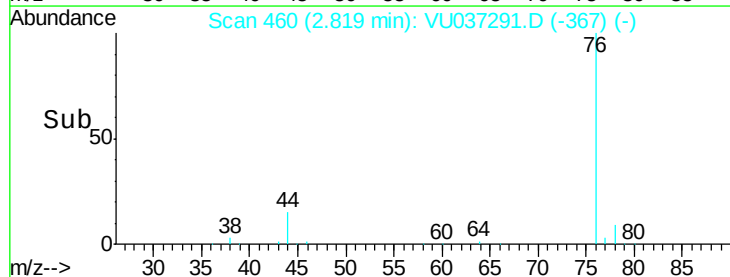
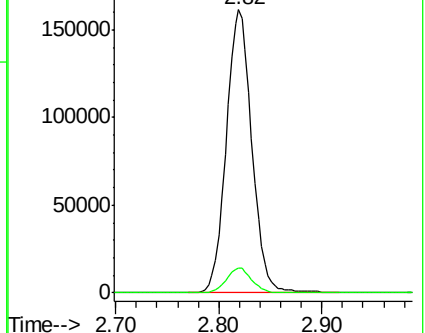
76 100

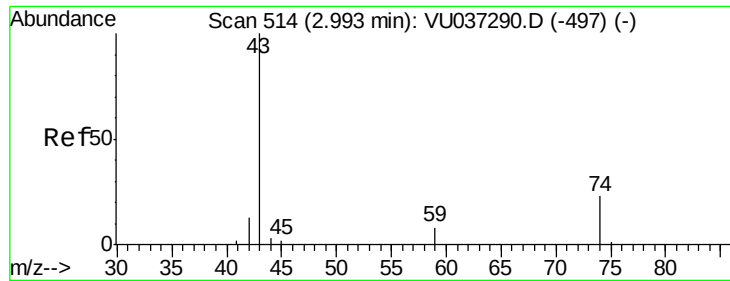
78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037291.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037291.D (-367) (-)

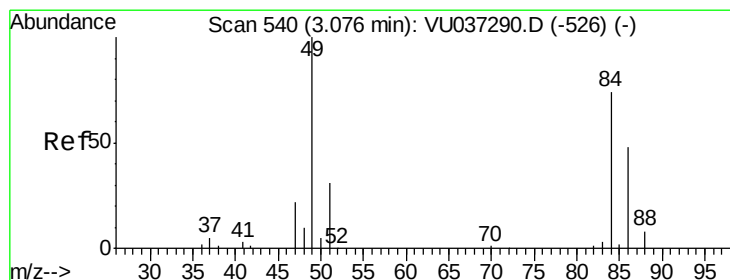
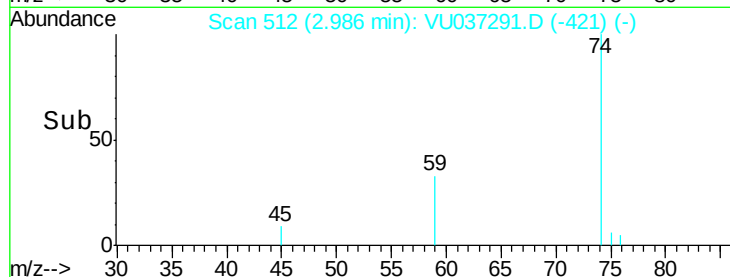
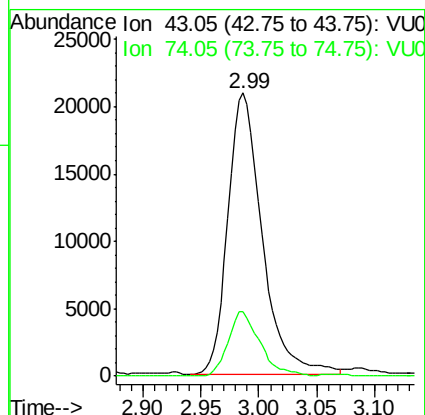
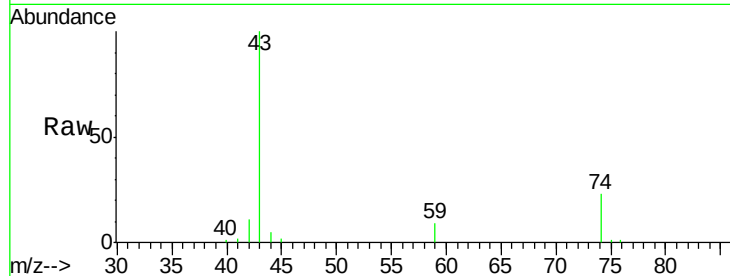




#15
Methyl Acetate
Concen: 10.02 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

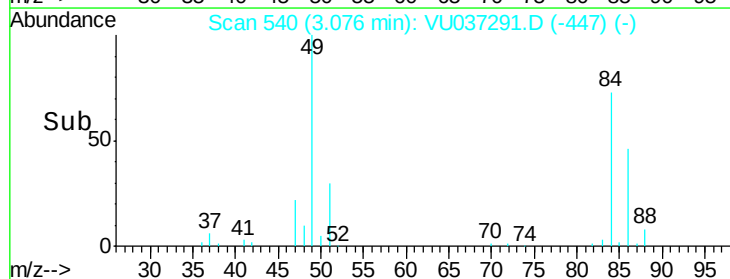
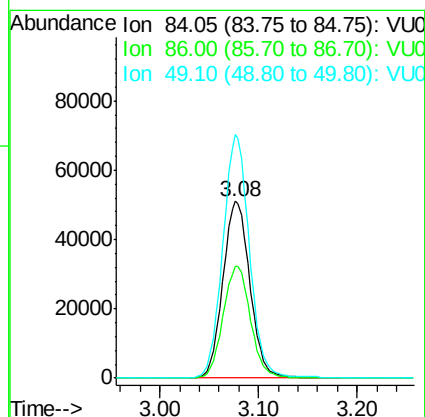
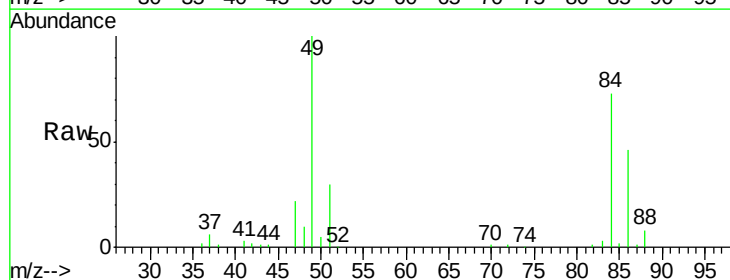
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

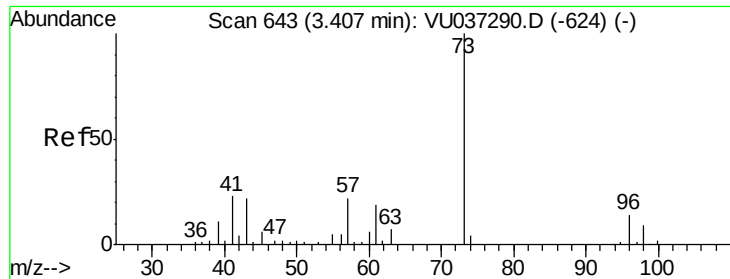
Tgt Ion: 43 Resp: 42947
Ion Ratio Lower Upper
43 100
74 21.1 17.0 25.4



#16
Methylene chloride
Concen: 9.54 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 84 Resp: 98462
Ion Ratio Lower Upper
84 100
86 63.0 45.2 84.0
49 137.7 94.4 175.4

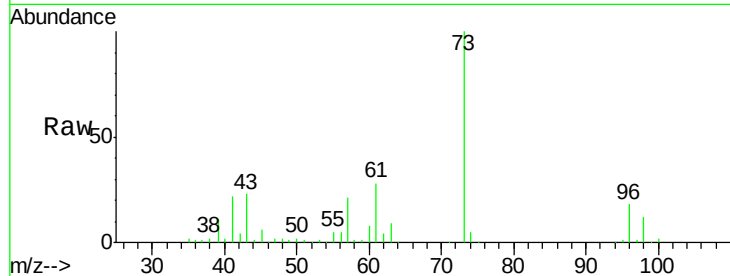




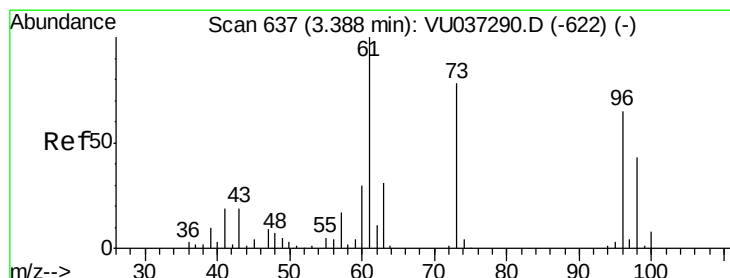
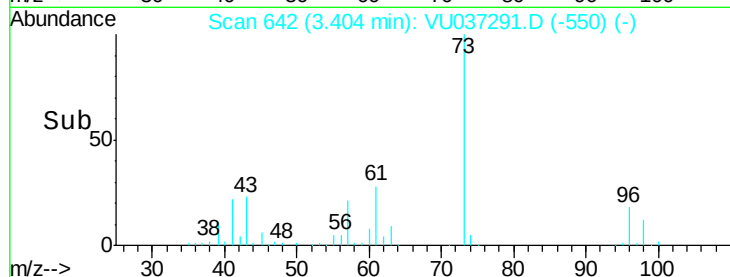
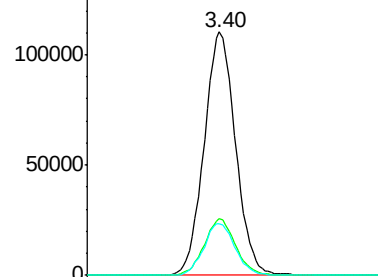
#17
Methyl tert-butyl Ether
Concen: 10.85 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 73 Resp: 254436
Ion Ratio Lower Upper
73 100
43 23.1 18.6 28.0
57 21.2 17.1 25.7

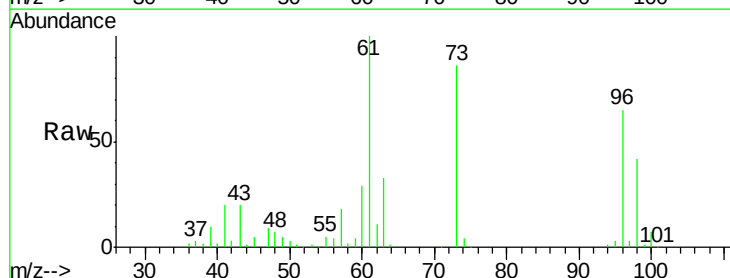


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

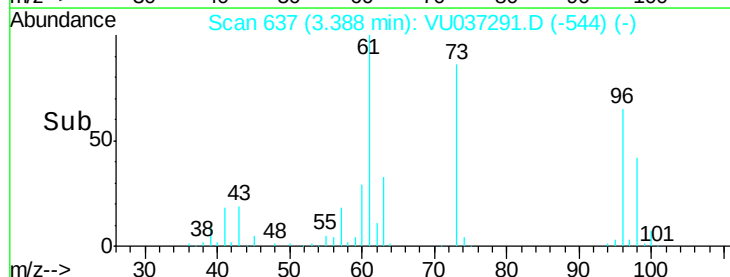
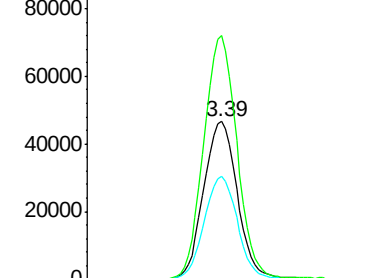


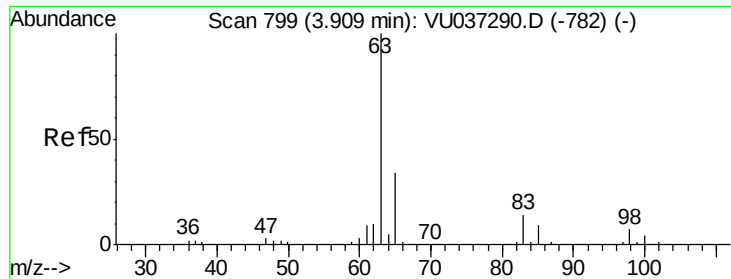
#18
trans-1,2-Dichloroethene
Concen: 10.38 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 96 Resp: 93927
Ion Ratio Lower Upper
96 100
61 154.5 107.5 199.7
98 65.1 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 10.21 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

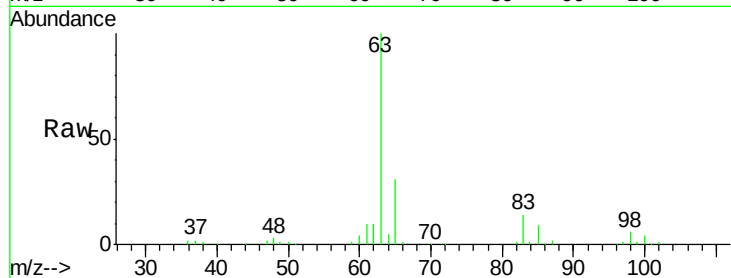
Tgt Ion: 63 Resp: 188433

Ion Ratio Lower Upper

63 100

65 31.1 24.1 44.7

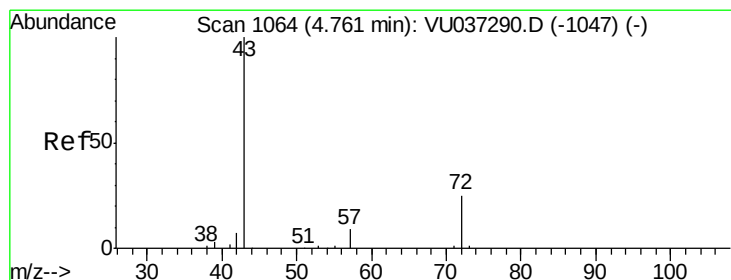
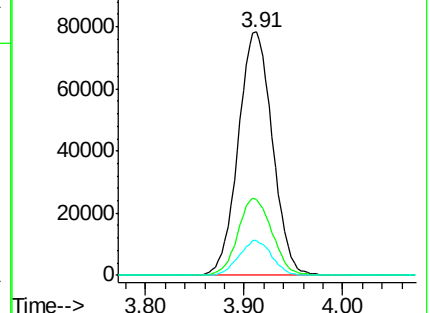
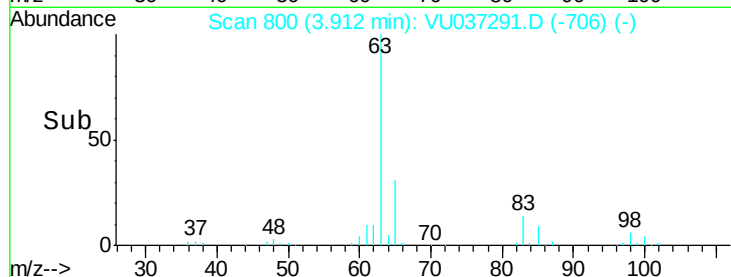
83 14.3 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU037291.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU037291.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU037291.D (-782) (-)



#21

2-Butanone

Concen: 105.79 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VU037291.D

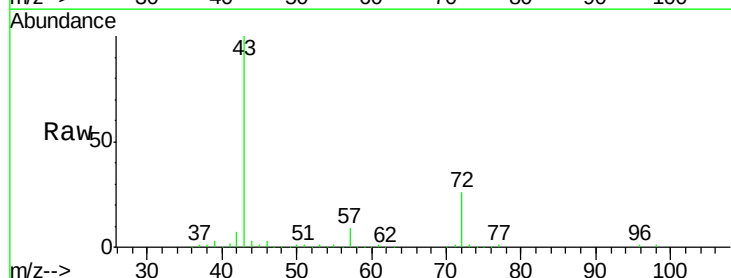
Acq: 16 Mar 2020 12:54

Tgt Ion: 43 Resp: 302140

Ion Ratio Lower Upper

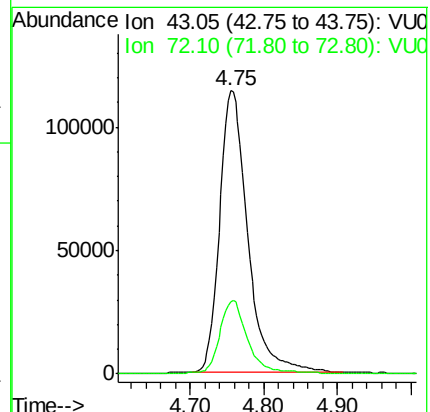
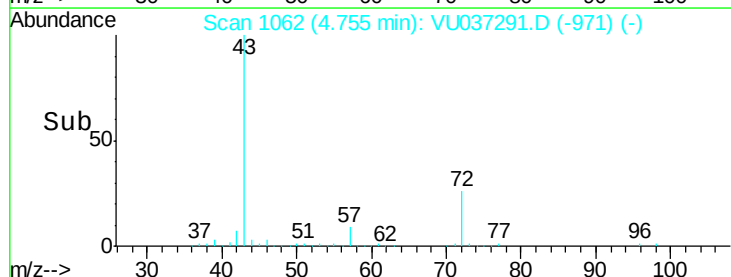
43 100

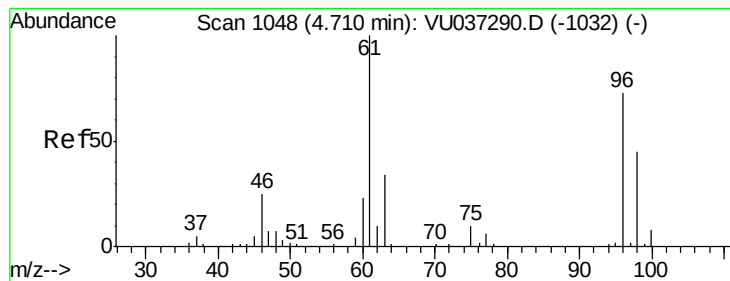
72 24.4 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU037291.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU037291.D (-971) (-)





#22

cis-1,2-Dichloroethene

Concen: 10.48 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

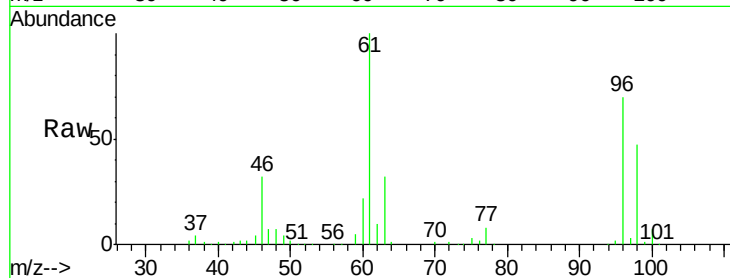
Tgt Ion: 96 Resp: 105235

Ion Ratio Lower Upper

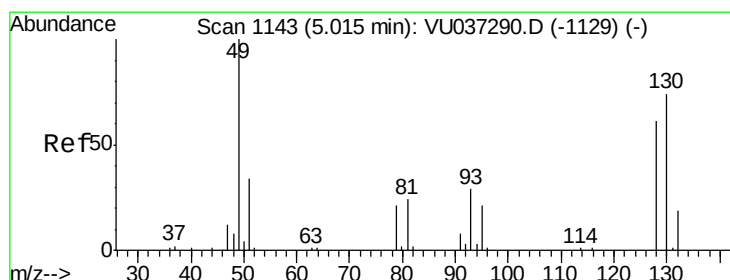
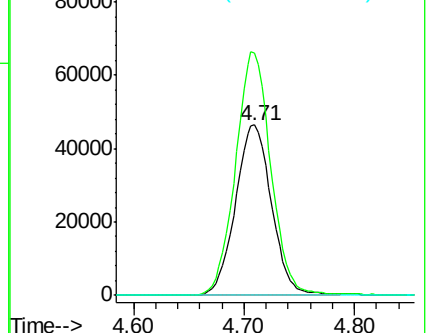
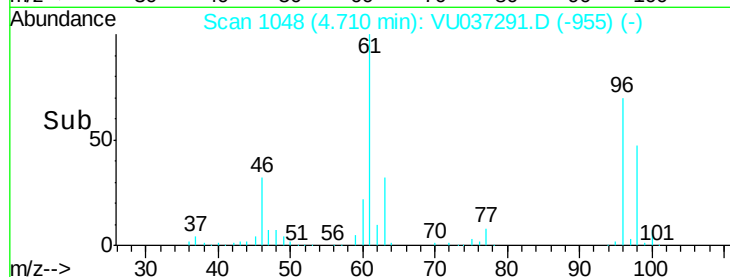
96 100

61 142.7 95.8 178.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037291.D (-955) (-)



#23

Bromochloromethane

Concen: 10.75 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Tgt Ion: 128 Resp: 47800

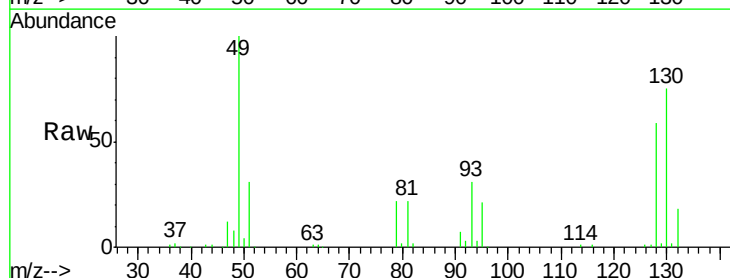
Ion Ratio Lower Upper

128 100

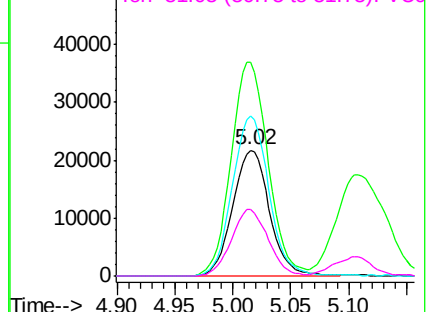
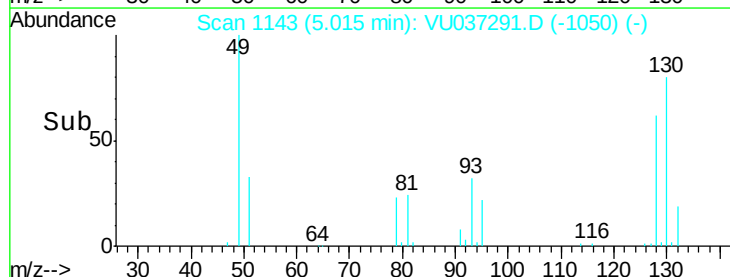
49 170.1 116.7 216.7

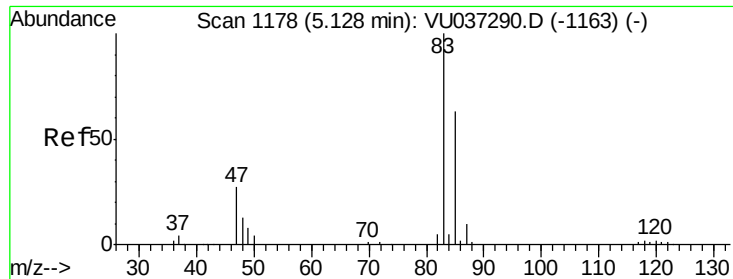
130 127.8 85.3 158.5

51 53.4 44.6 66.8



Abundance Ion 127.90 (127.60 to 128.60): VU037291.D (-1050) (-)

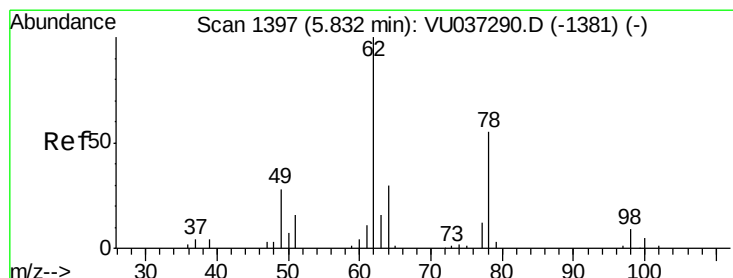
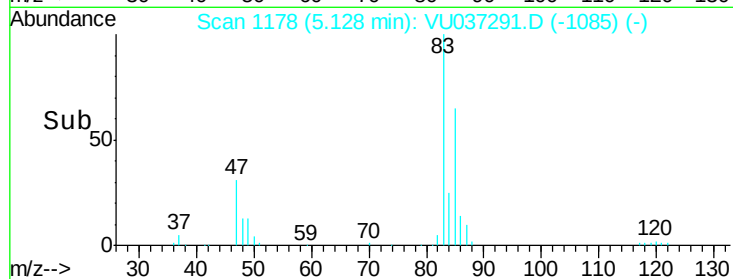
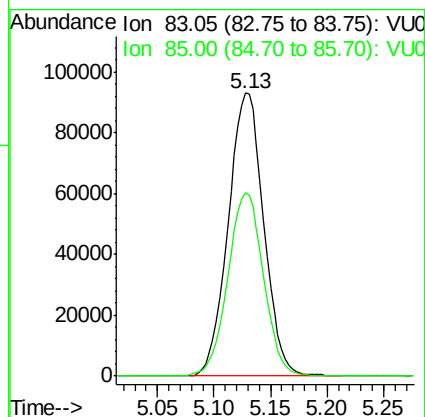
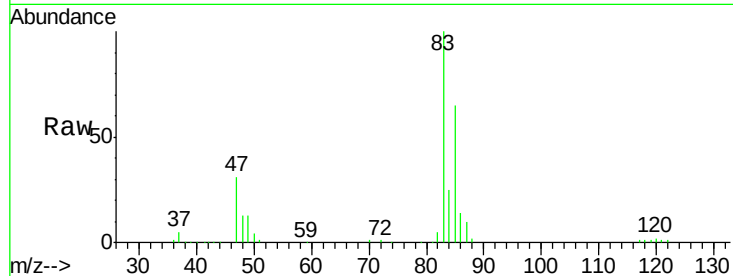




#25
Chloroform
Concen: 10.09 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

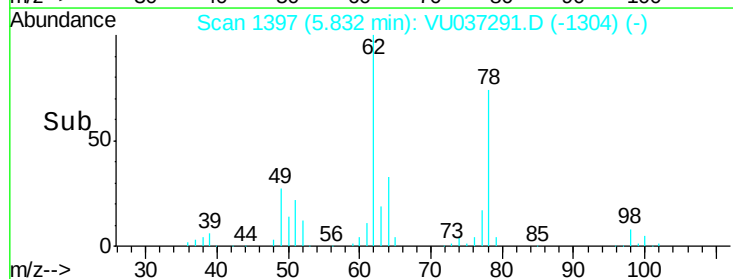
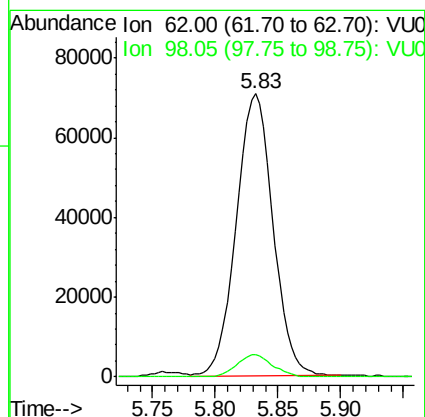
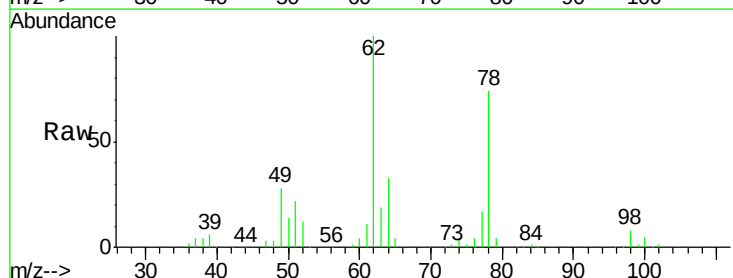
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

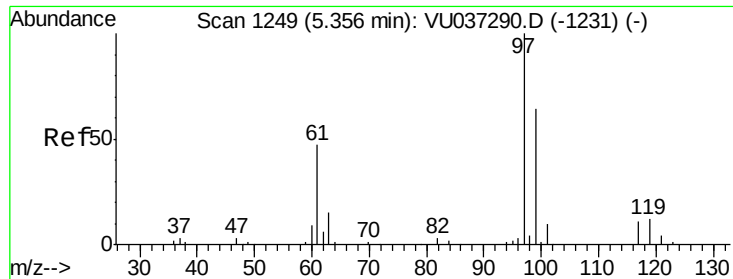
Tgt Ion: 83 Resp: 203446
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 10.19 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 62 Resp: 144176
Ion Ratio Lower Upper
62 100
98 7.9 6.8 10.2

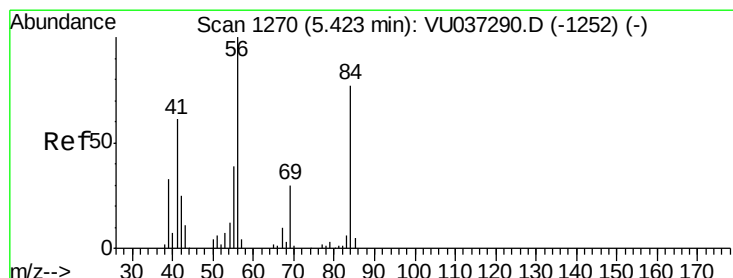
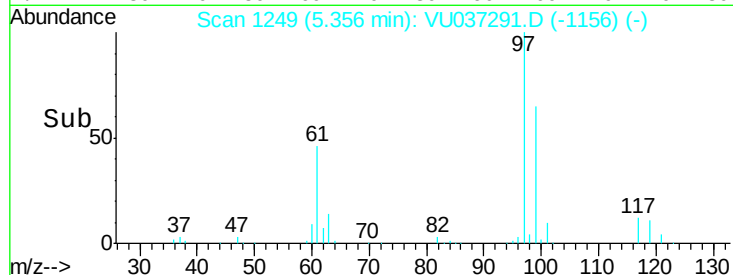
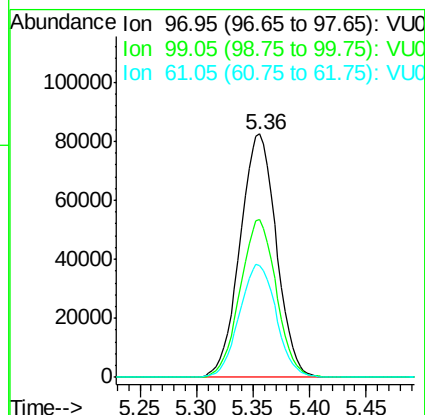
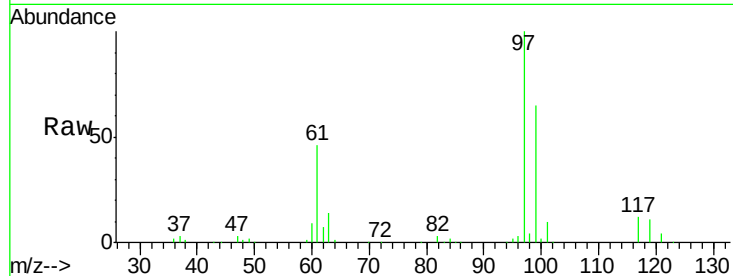




#29
1,1,1-Trichloroethane
Concen: 10.52 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

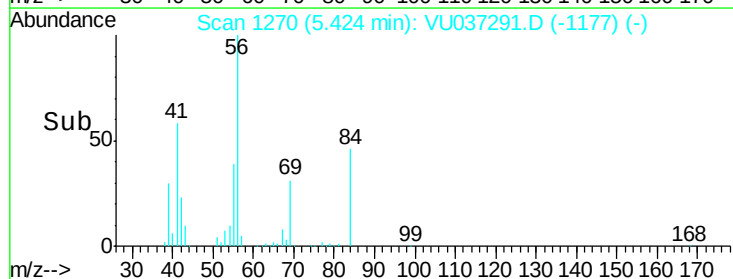
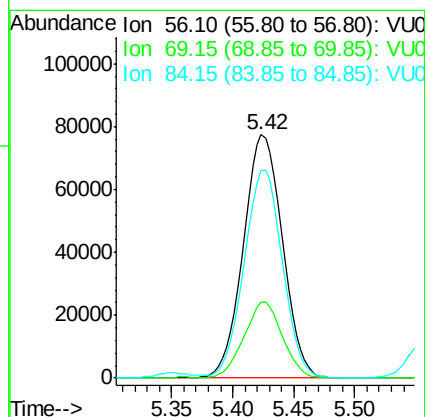
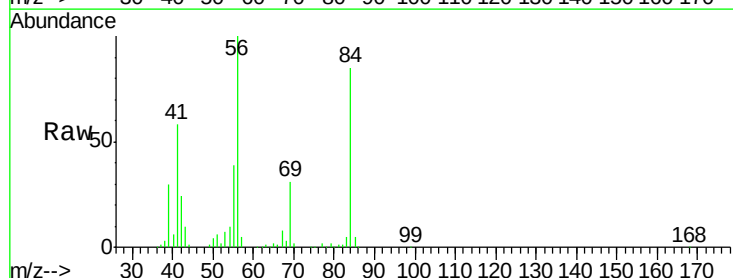
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

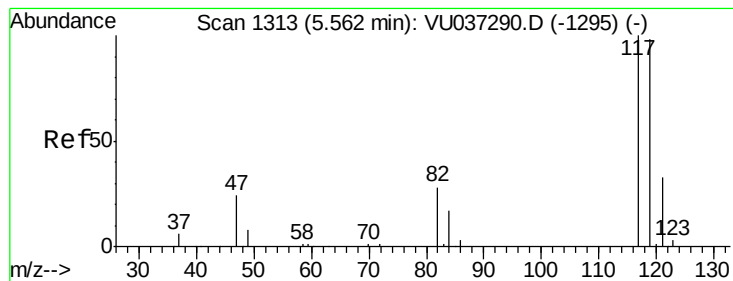
Tgt Ion: 97 Resp: 184238
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 47.1 36.8 55.2



#30
Cyclohexane
Concen: 10.38 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 56 Resp: 171630
Ion Ratio Lower Upper
56 100
69 30.7 24.3 36.5
84 84.0 66.6 100.0





#31

Carbon tetrachloride

Concen: 10.93 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

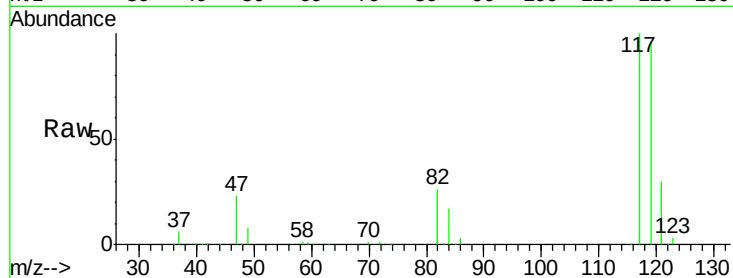
VSTD01003

Tgt Ion:117 Resp: 165983

Ion Ratio Lower Upper

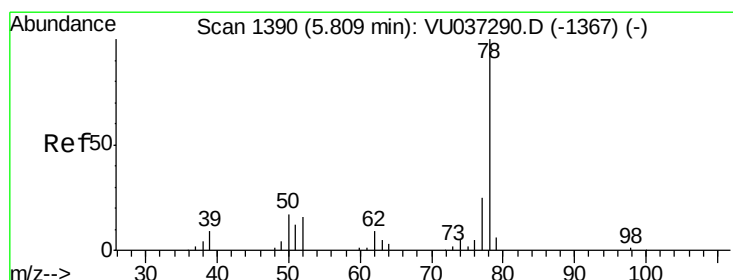
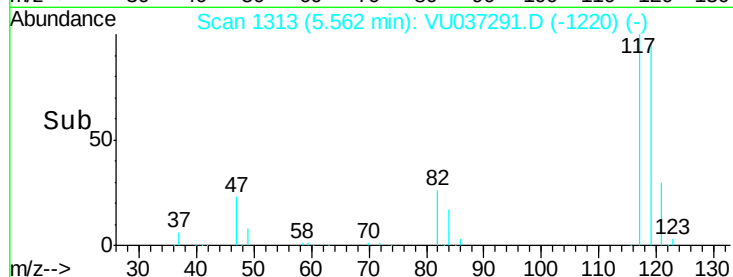
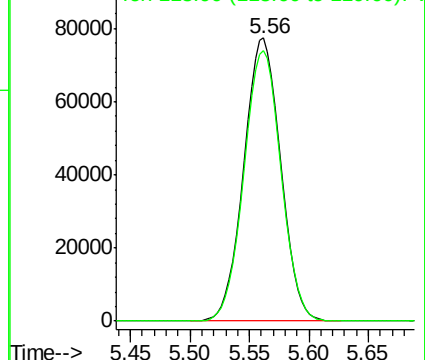
117 100

119 96.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.29 ug/L

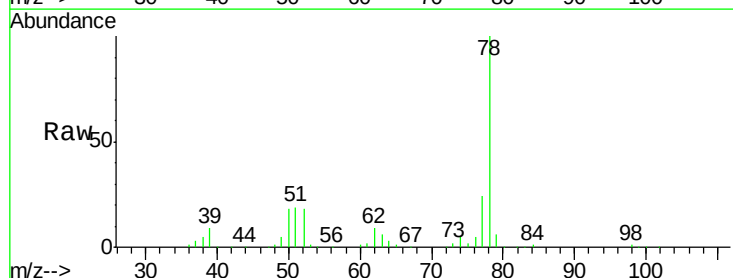
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

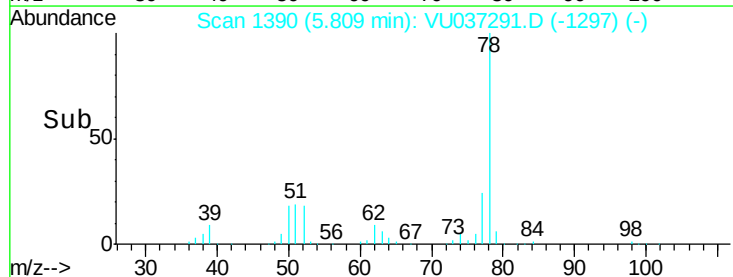
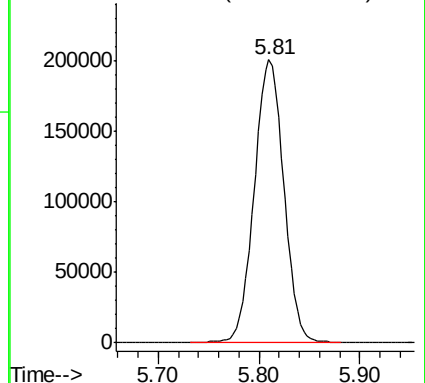
Lab File: VU037291.D

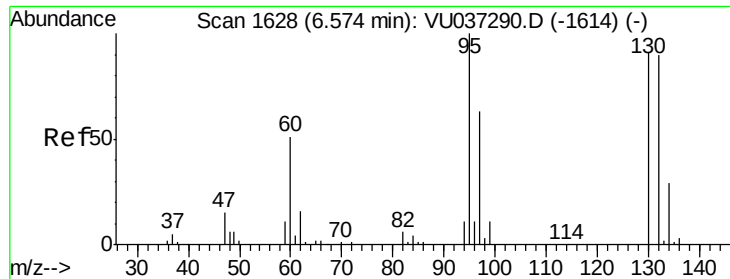
Acq: 16 Mar 2020 12:54

Tgt Ion: 78 Resp: 408119



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.25 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 95 Resp: 110410

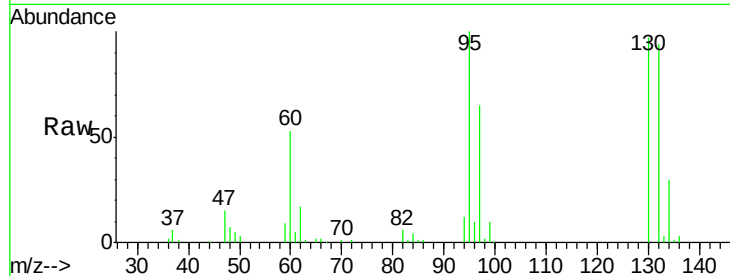
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 94.3 63.2 117.4

130 97.2 64.0 119.0

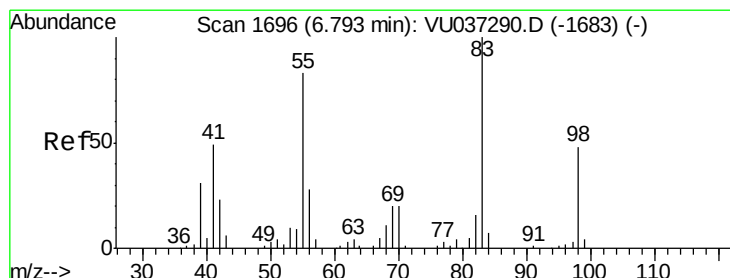
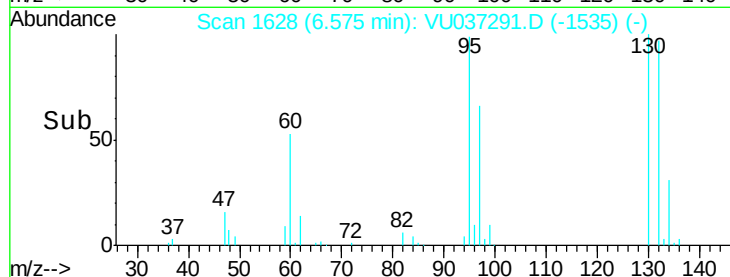
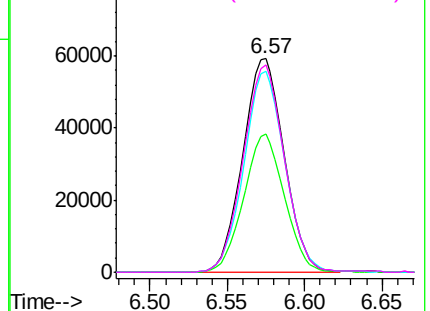


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.83 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

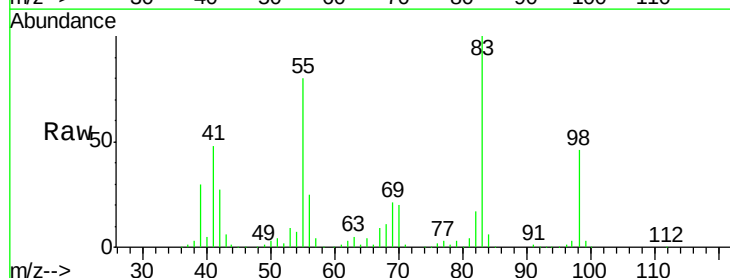
Tgt Ion: 83 Resp: 179093

Ion Ratio Lower Upper

83 100

55 81.3 67.0 100.6

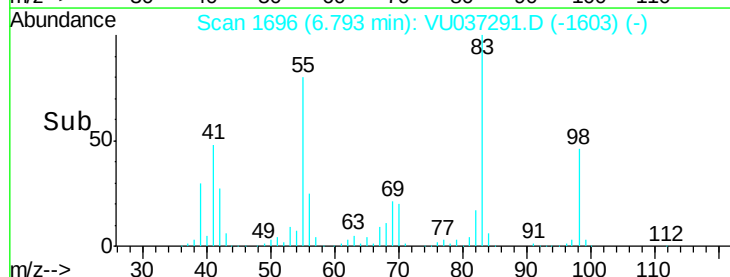
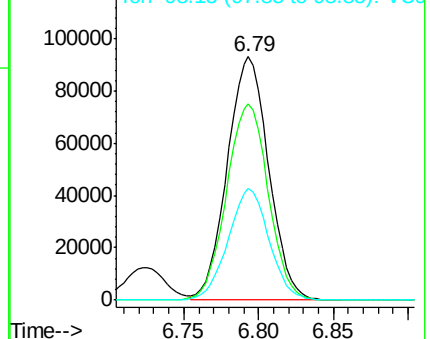
98 45.3 37.4 56.0

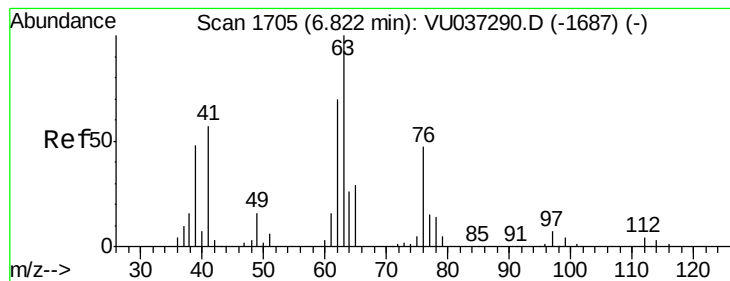


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 10.35 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

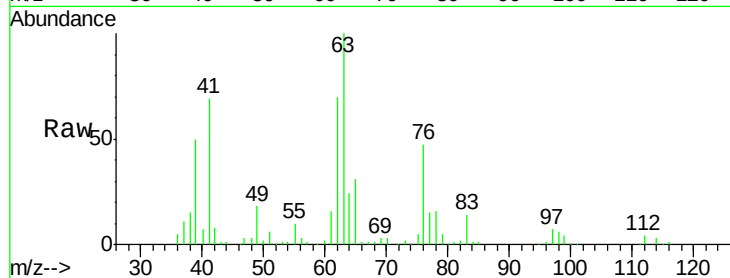
VSTD01003

Tgt Ion: 63 Resp: 108224

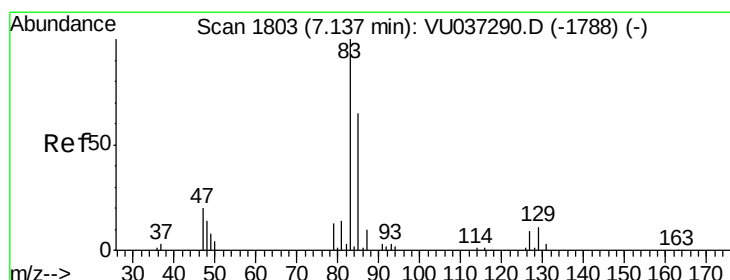
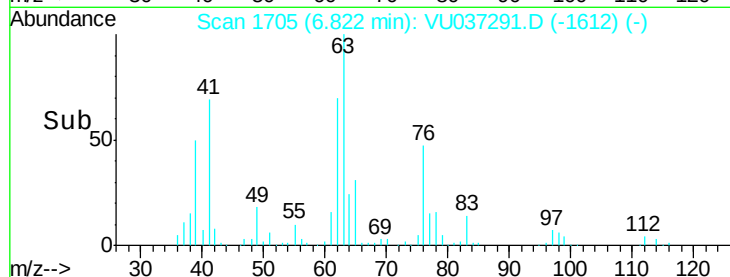
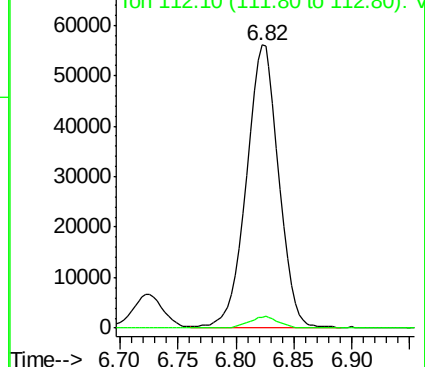
Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU037291.D (-1612) (-)



#38

Bromodichloromethane

Concen: 10.61 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

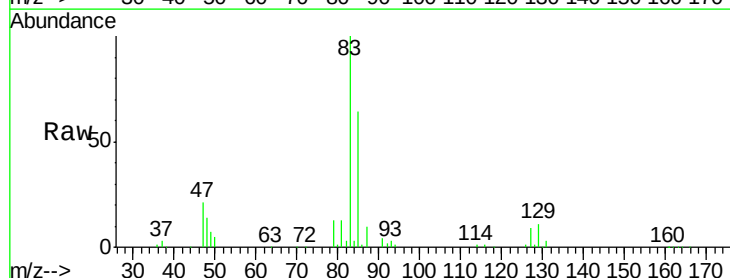
Tgt Ion: 83 Resp: 149114

Ion Ratio Lower Upper

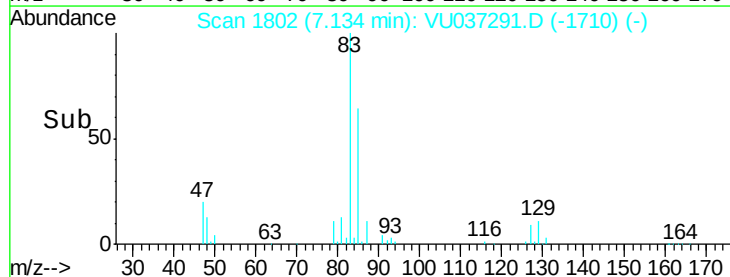
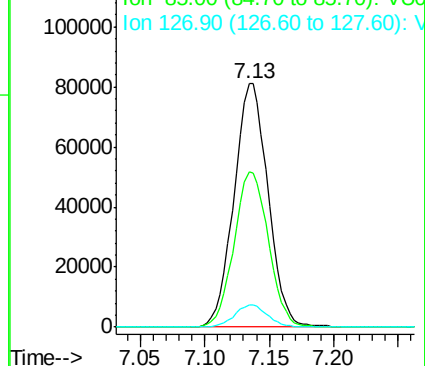
83 100

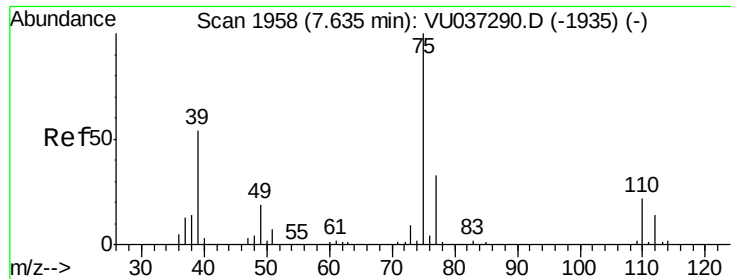
85 63.8 45.8 85.0

127 8.9 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037291.D (-1710) (-)

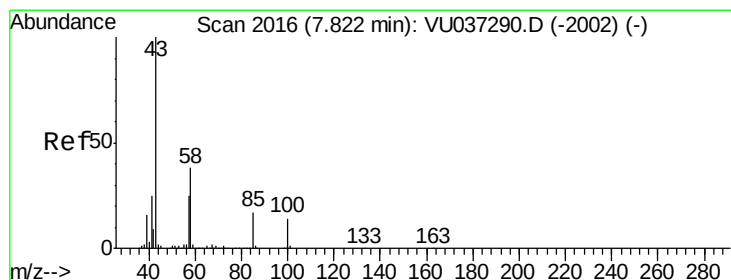
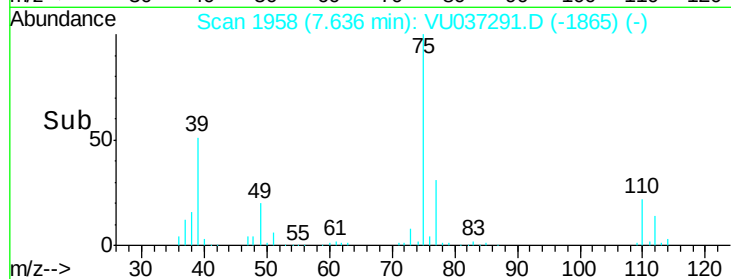
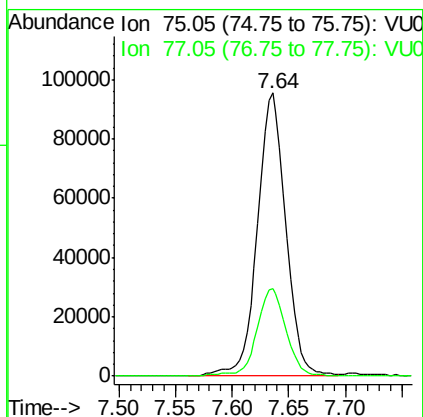
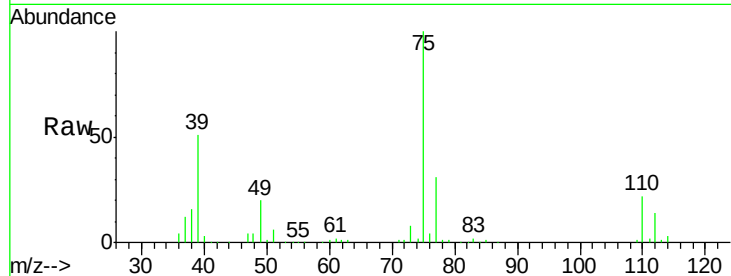




#39
 cis-1,3-Dichloropropene
 Concen: 11.02 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

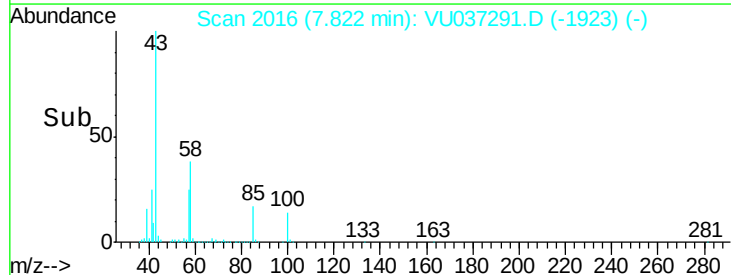
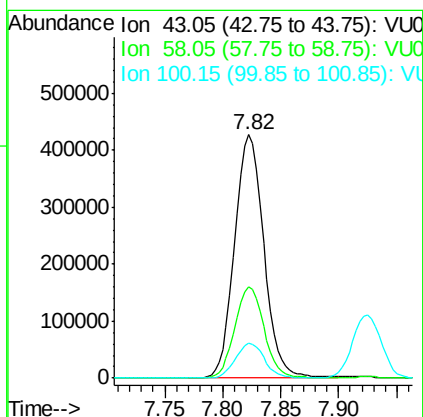
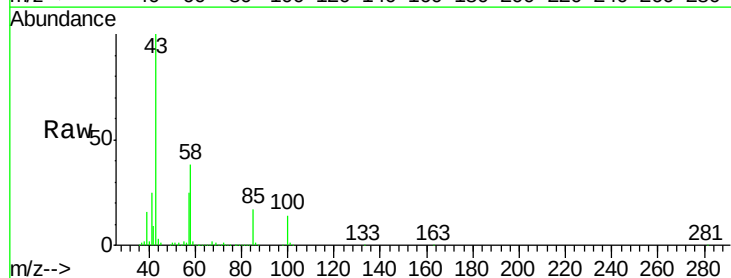
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

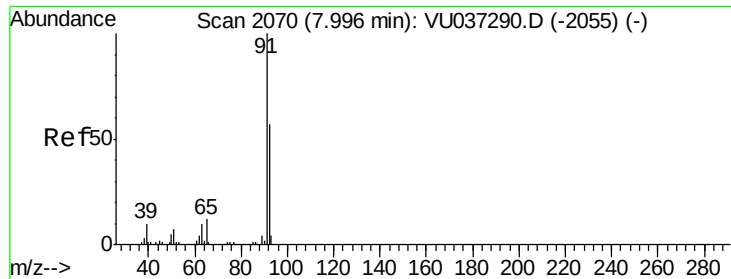
Tgt Ion: 75 Resp: 167146
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 101.53 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Tgt Ion: 43 Resp: 750465
 Ion Ratio Lower Upper
 43 100
 58 37.9 29.8 44.8
 100 14.3 11.3 16.9





#42

Toluene

Concen: 10.74 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

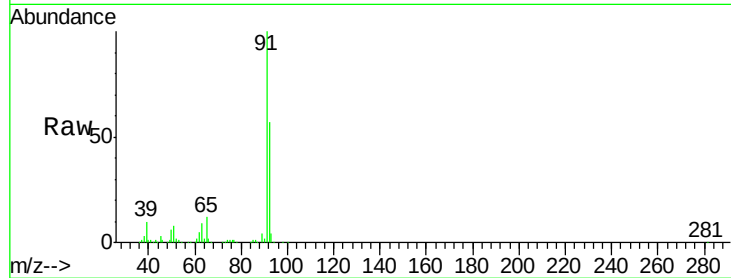
VSTD01003

Tgt Ion: 91 Resp: 458095

Ion Ratio Lower Upper

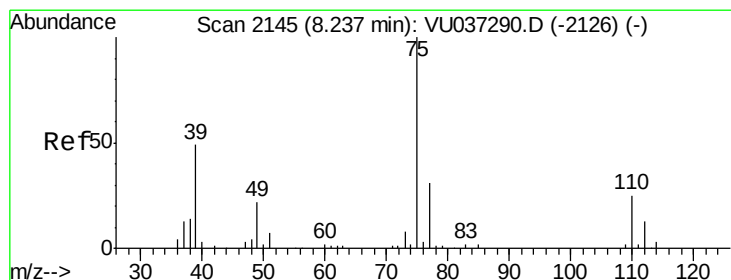
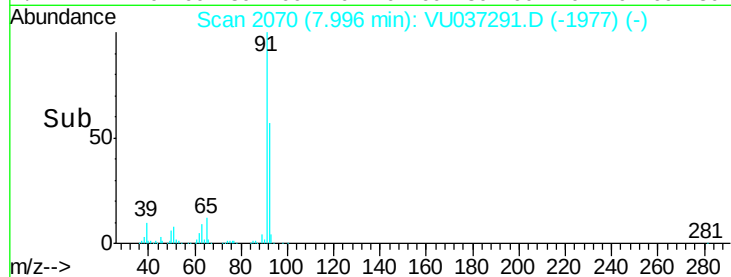
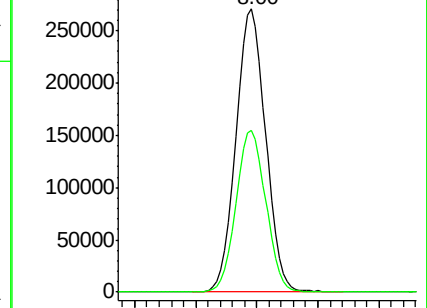
91 100

92 57.2 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037291.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037291.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 11.25 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037291.D

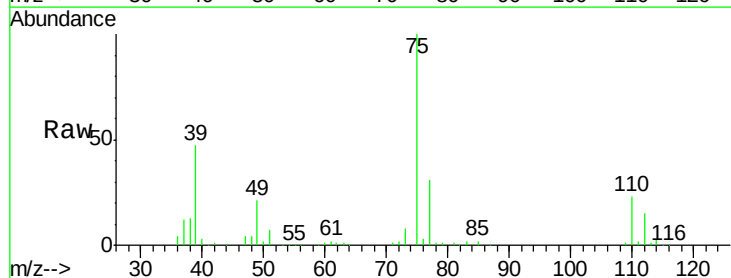
Acq: 16 Mar 2020 12:54

Tgt Ion: 75 Resp: 142322

Ion Ratio Lower Upper

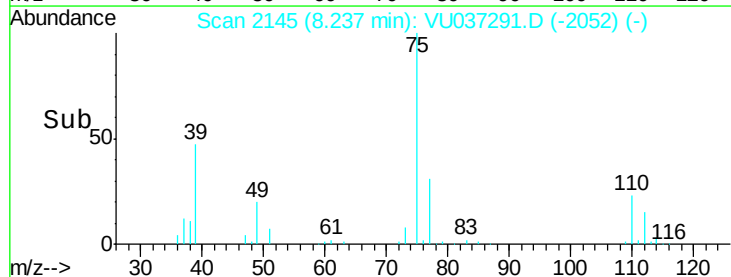
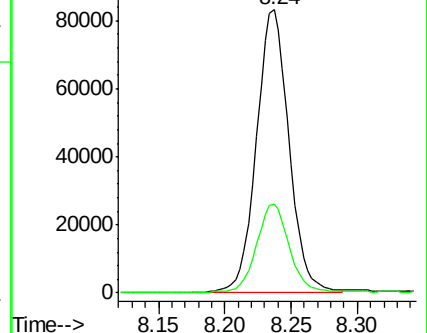
75 100

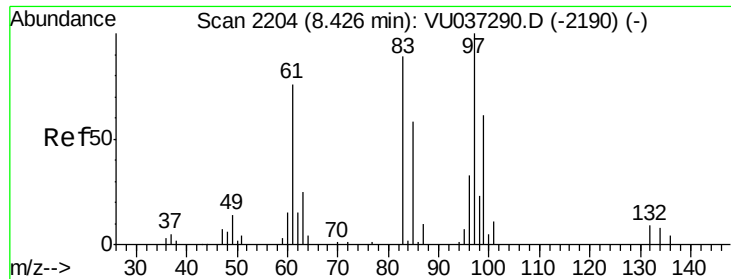
77 31.4 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU037291.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037291.D (-2052) (-)

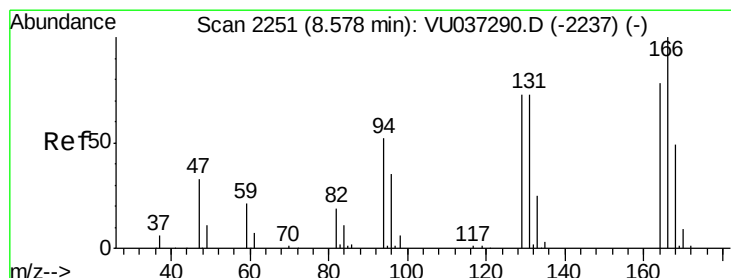
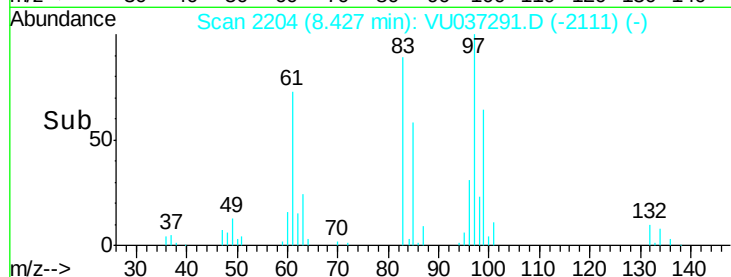
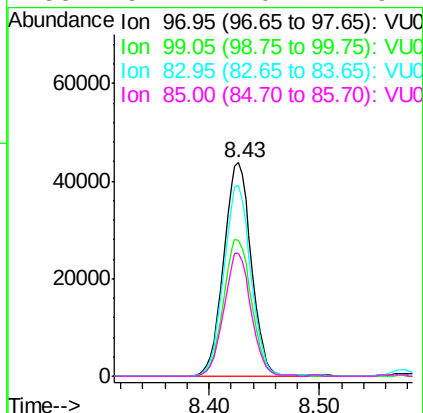
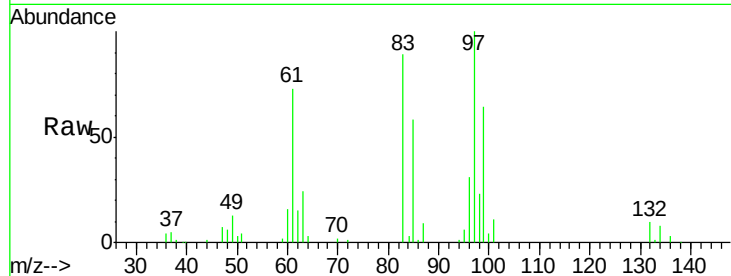




#45
 1,1,2-Trichloroethane
 Concen: 10.09 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

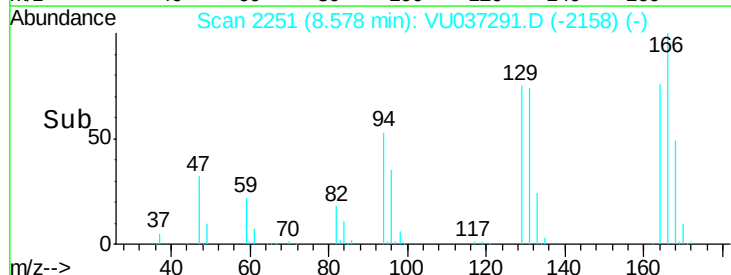
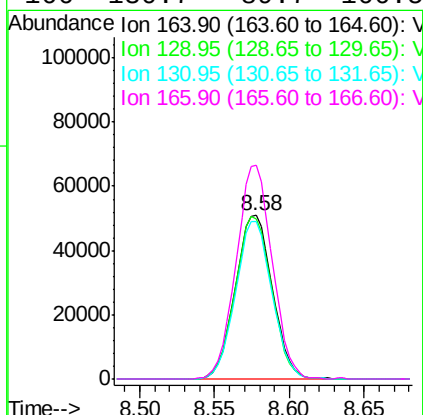
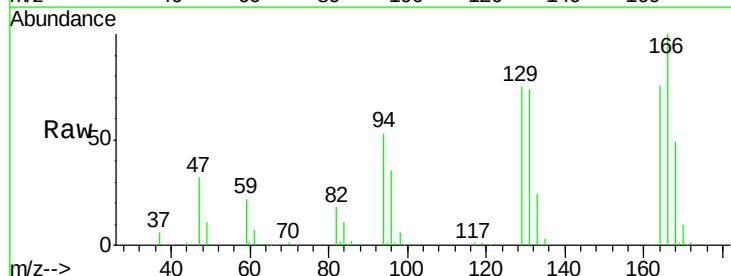
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

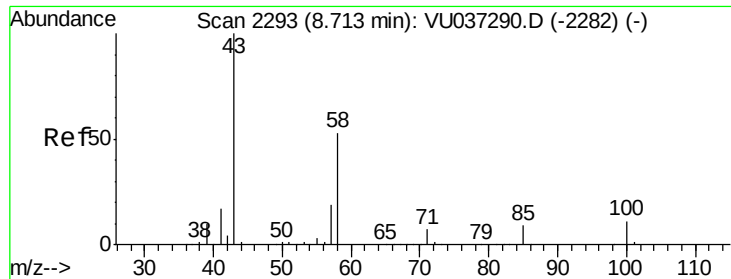
Tgt Ion:	97	Resp:	76252
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.8	79.6
83	89.3	62.4	115.8
85	57.7	40.7	75.7



#47
 Tetrachloroethene
 Concen: 10.47 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Tgt Ion:	164	Resp:	87872
Ion	Ratio	Lower	Upper
164	100		
129	98.3	65.8	122.2
131	96.4	65.1	120.9
166	130.7	89.7	166.5

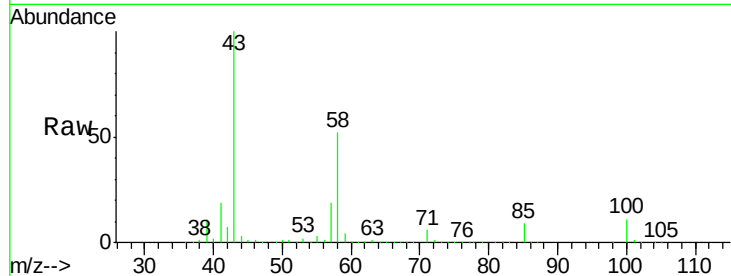




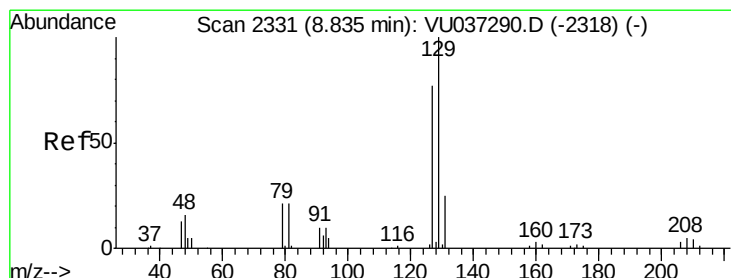
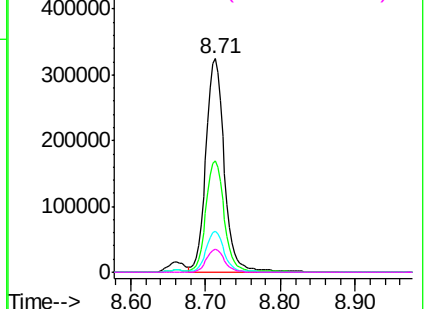
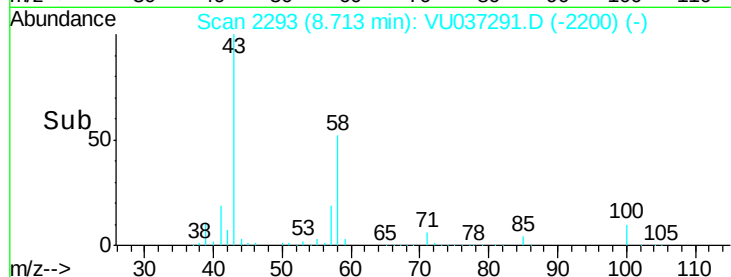
#48
2-Hexanone
Concen: 108.81 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 43 Resp: 557029
Ion Ratio Lower Upper
43 100
58 51.2 41.9 62.9
57 18.6 14.7 22.1
100 10.6 8.6 13.0

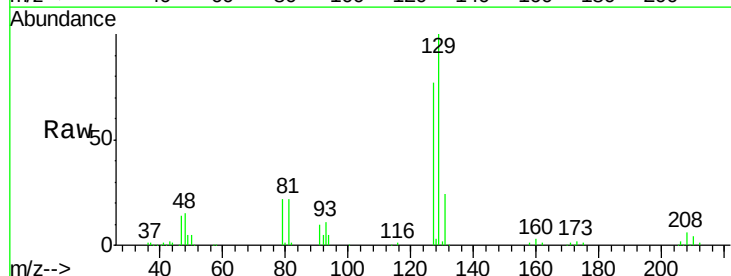


Abundance Ion 43.05 (42.75 to 43.75): VU037291.D (-2200) (-)
Ion 58.05 (57.75 to 58.75): VU037291.D (-2200) (-)
Ion 57.20 (56.90 to 57.90): VU037291.D (-2200) (-)
Ion 100.15 (99.85 to 100.85): VU037291.D (-2200) (-)

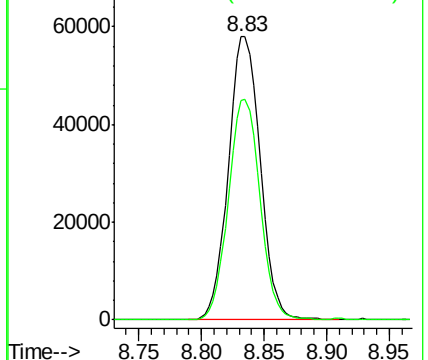
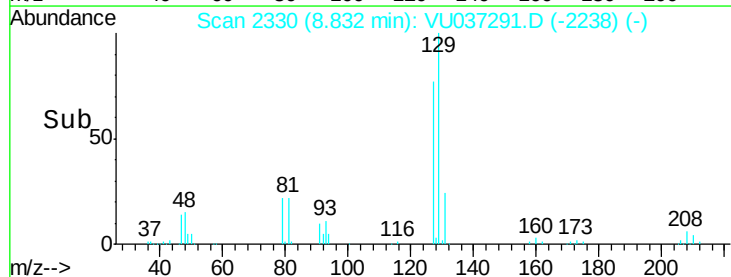


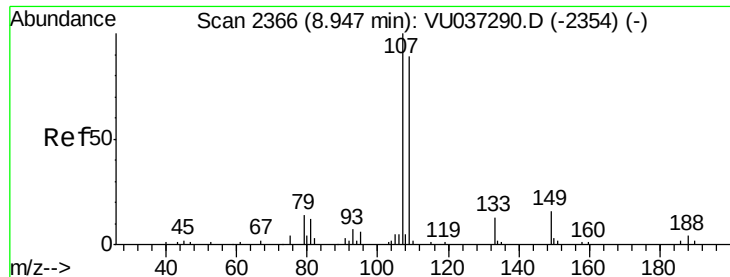
#49
Dibromochloromethane
Concen: 11.10 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion: 129 Resp: 102579
Ion Ratio Lower Upper
129 100
127 77.5 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VU037291.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU037291.D (-2238) (-)

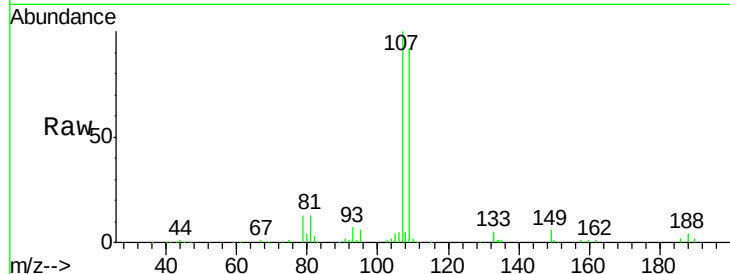




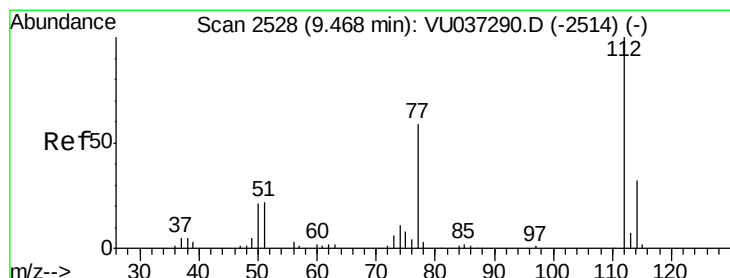
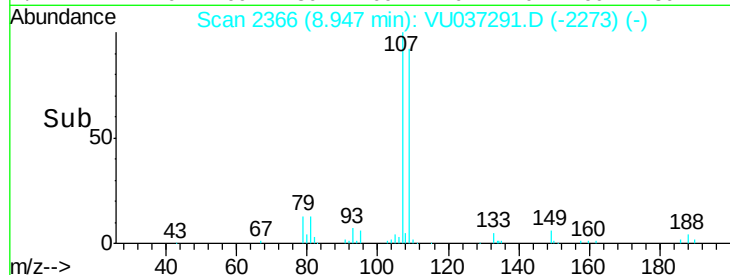
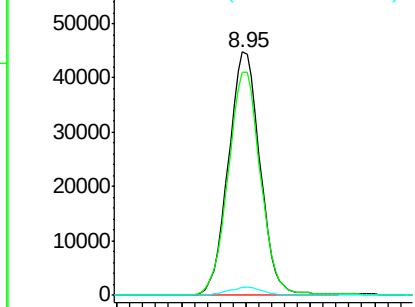
#50
1,2-Dibromoethane
Concen: 10.66 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:107 Resp: 76562
Ion Ratio Lower Upper
107 100
109 91.5 62.3 115.7
188 3.6 3.0 4.6

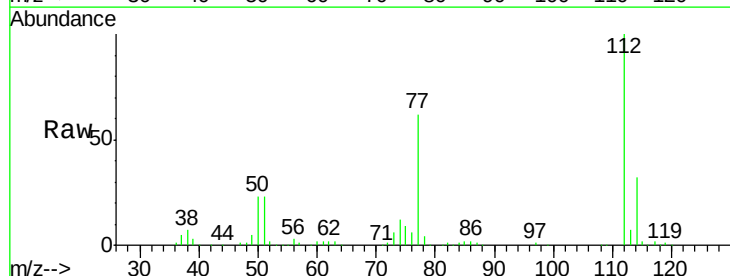


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

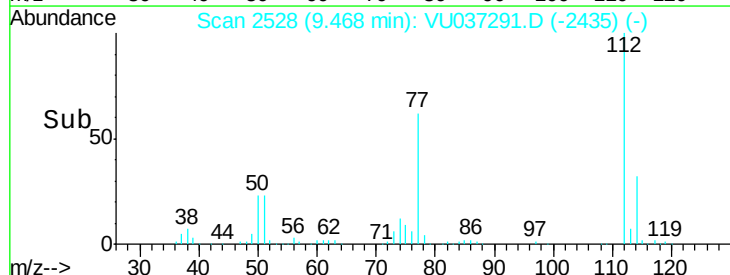
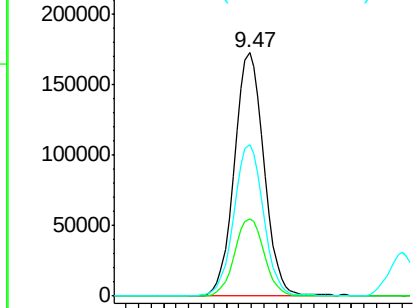


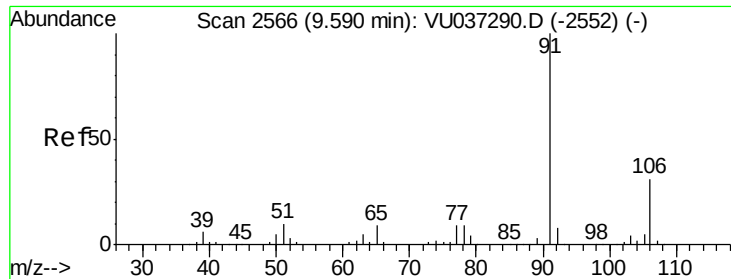
#51
Chlorobenzene
Concen: 10.26 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion:112 Resp: 283482
Ion Ratio Lower Upper
112 100
114 31.8 22.1 41.1
77 62.3 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 11.02 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

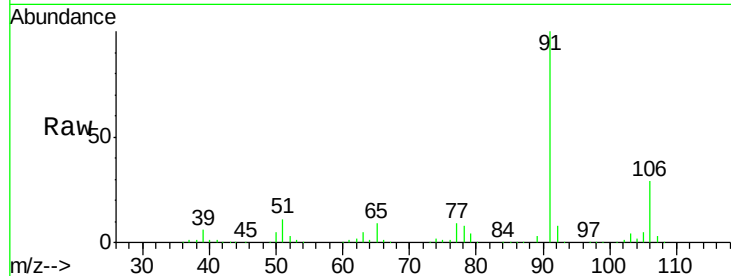
VSTD01003

Tgt Ion: 91 Resp: 520912

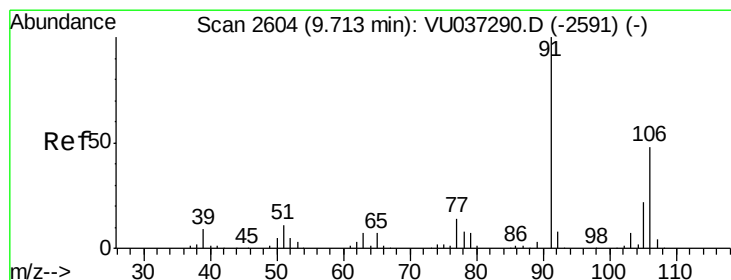
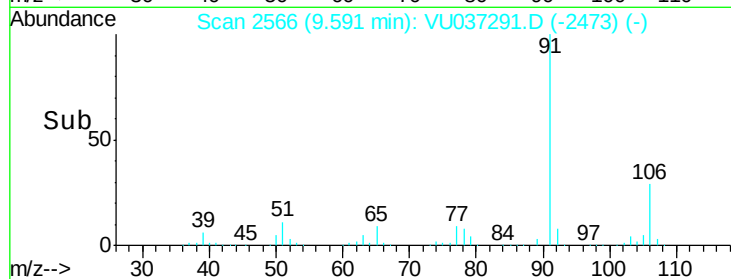
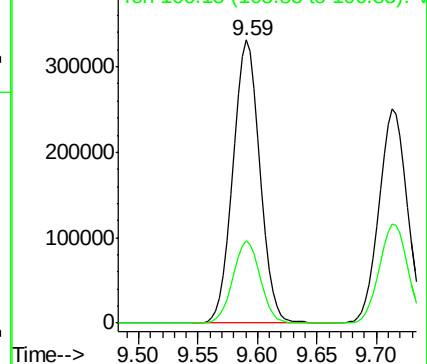
Ion Ratio Lower Upper

91 100

106 28.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037291.D (-2552) (-)



#53

m,p-Xylene

Concen: 11.42 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037291.D

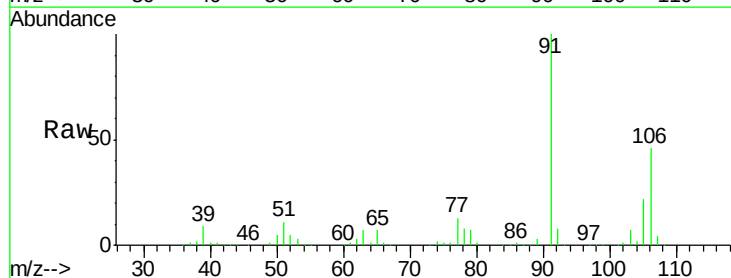
Acq: 16 Mar 2020 12:54

Tgt Ion: 106 Resp: 194030

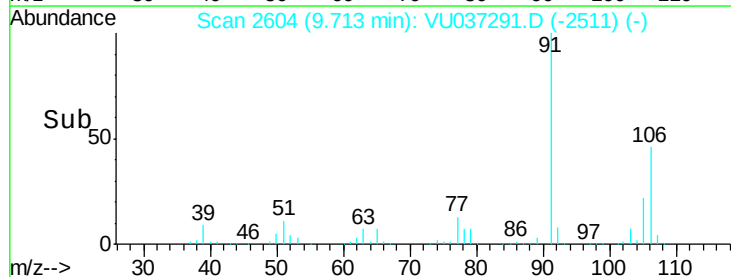
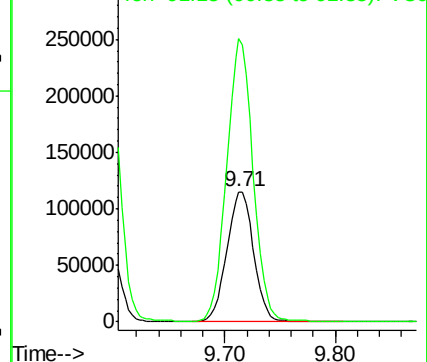
Ion Ratio Lower Upper

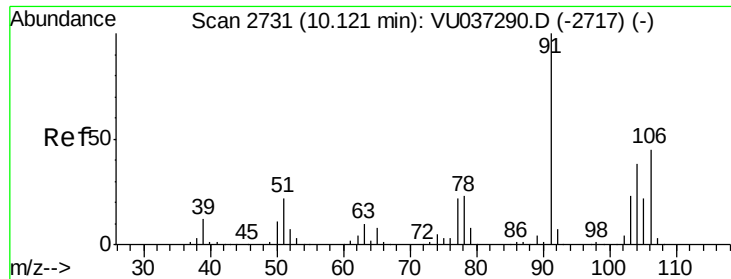
106 100

91 217.2 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037291.D (-2591) (-)

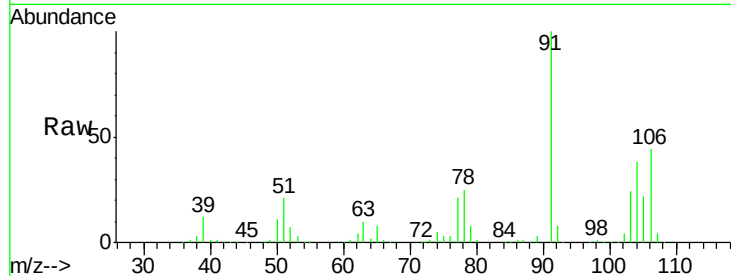




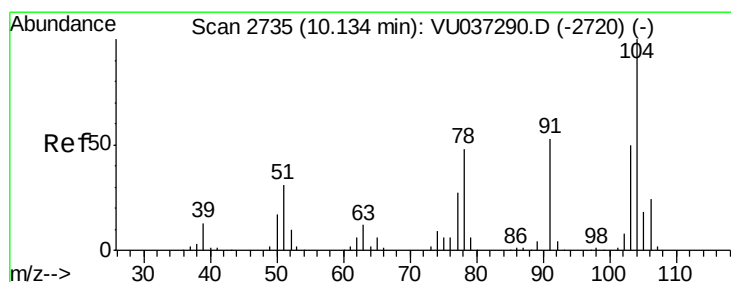
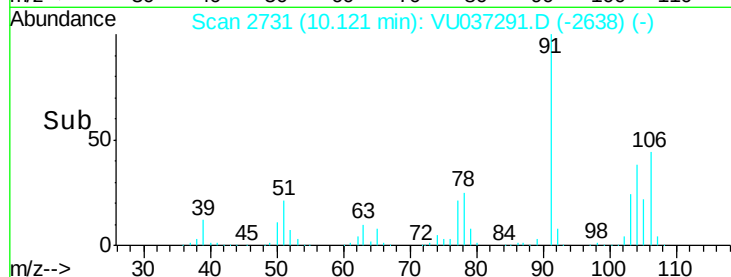
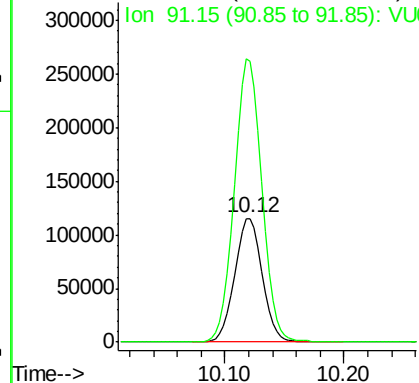
#54
o-Xylene
Concen: 11.06 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:106 Resp: 184821
Ion Ratio Lower Upper
106 100
91 227.3 155.8 289.3

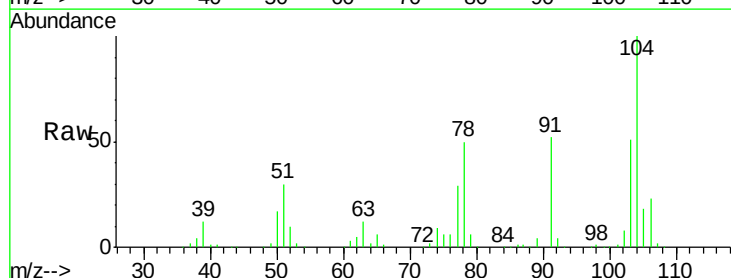


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

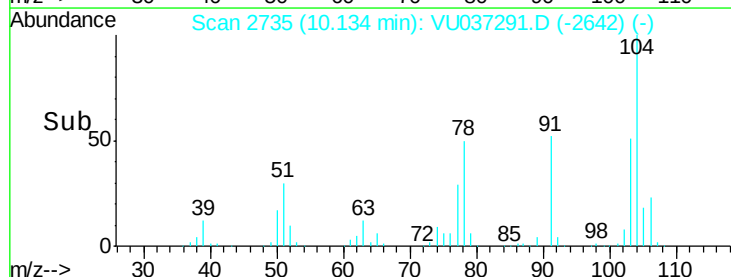
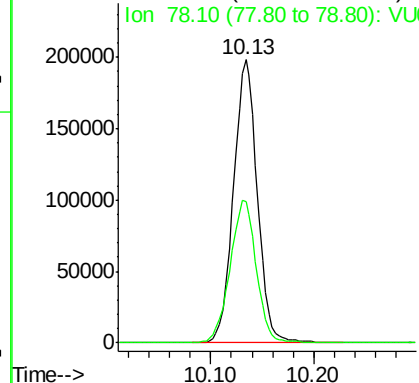


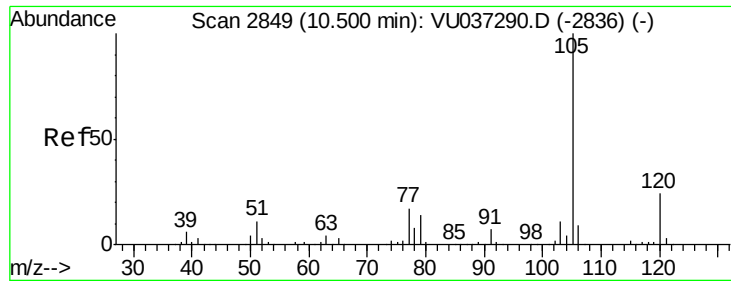
#55
Styrene
Concen: 11.71 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037291.D
Acq: 16 Mar 2020 12:54

Tgt Ion:104 Resp: 319802
Ion Ratio Lower Upper
104 100
78 50.0 33.6 62.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.50 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

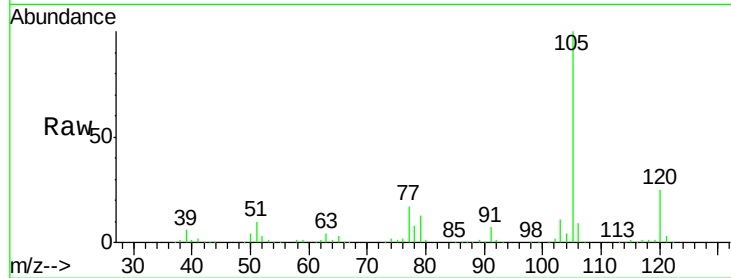
Tgt Ion: 105 Resp: 515343

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

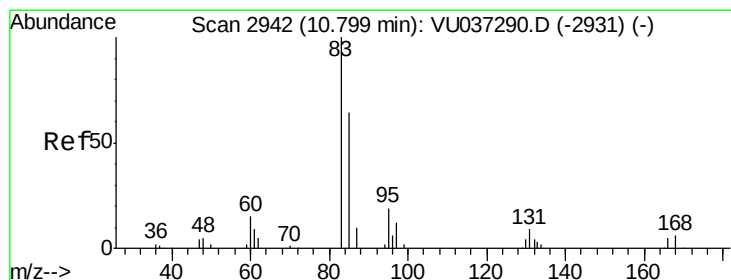
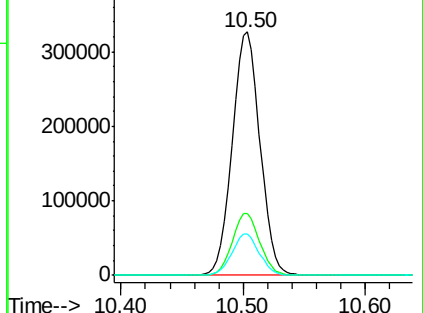
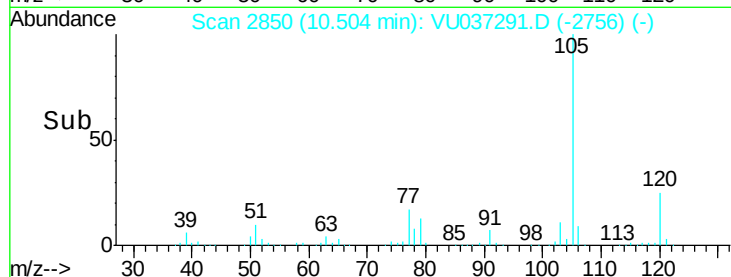
77 16.9 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.66 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

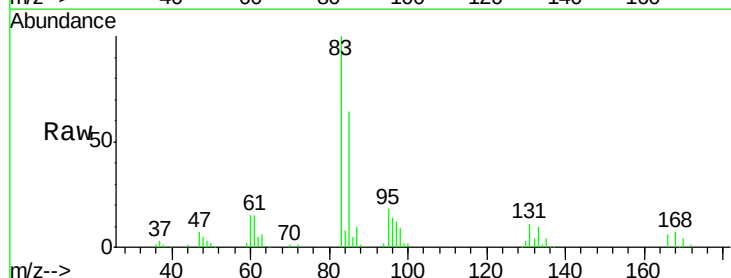
Tgt Ion: 83 Resp: 100036

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

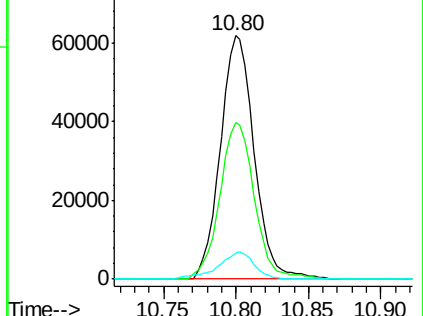
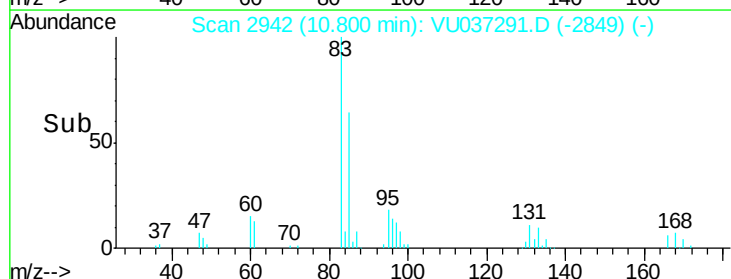
131 10.6 7.5 11.3

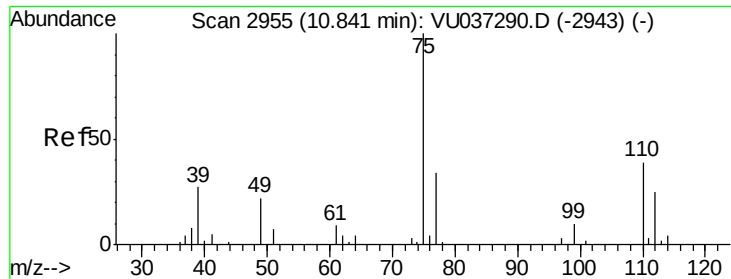


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.84 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

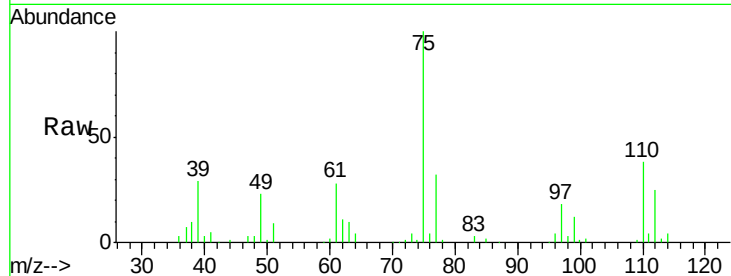
VSTD01003

Tgt Ion: 75 Resp: 74022

Ion Ratio Lower Upper

75 100

77 32.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU037290.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037290.D (-2943) (-)

10.84

50000

40000

30000

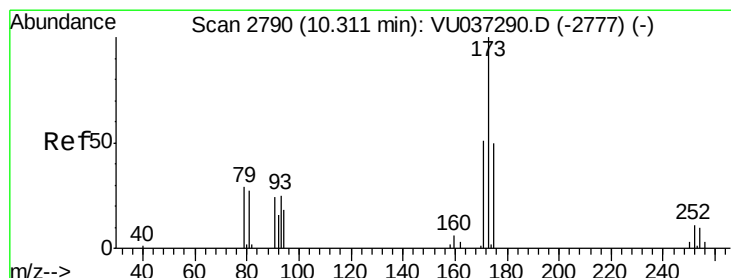
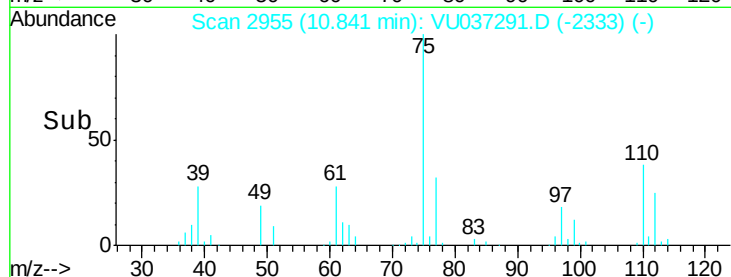
20000

10000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 10.84 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

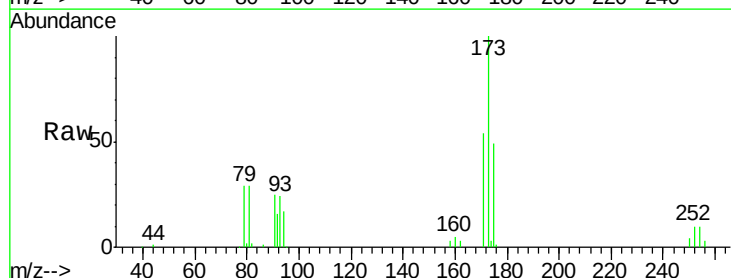
Tgt Ion: 173 Resp: 60010

Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

254 9.9 7.8 11.8



Abundance Ion 172.90 (172.60 to 173.60): VU037290.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037290.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037290.D (-2777) (-)

10.31

50000

40000

30000

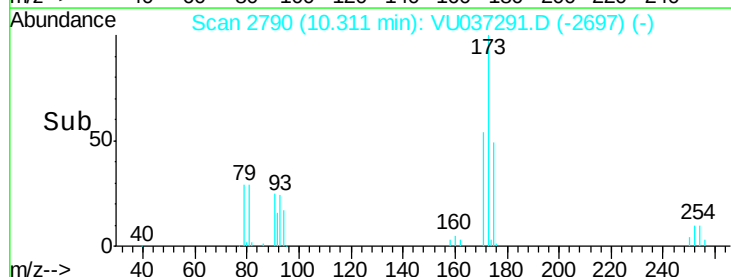
20000

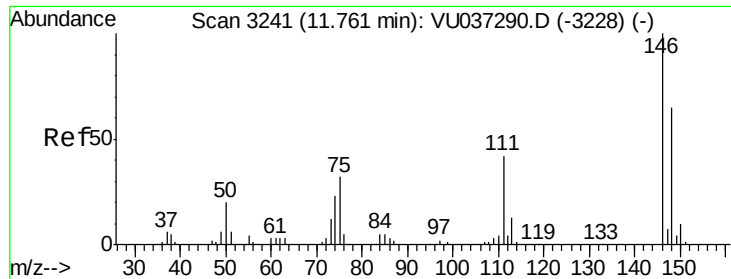
10000

0

Time-->

10.30 10.40

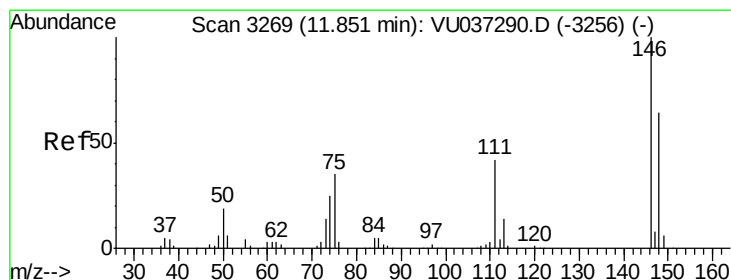
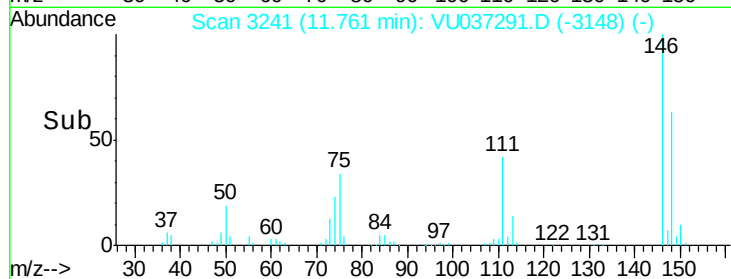
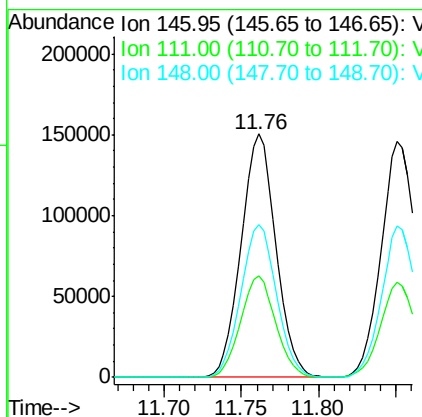
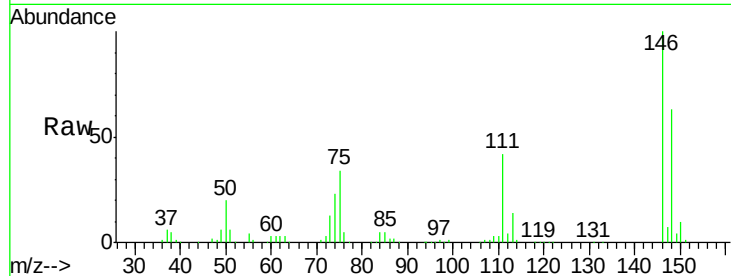




#62
 1,3-Dichlorobenzene
 Concen: 10.14 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

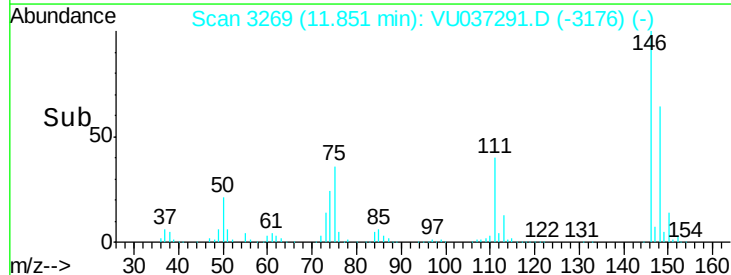
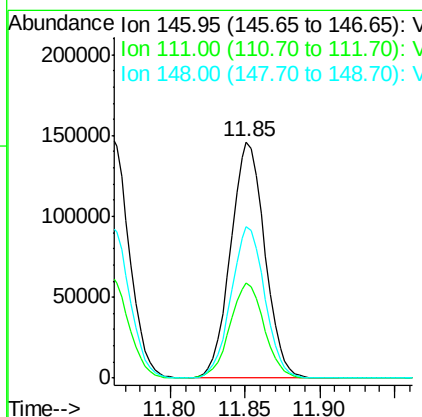
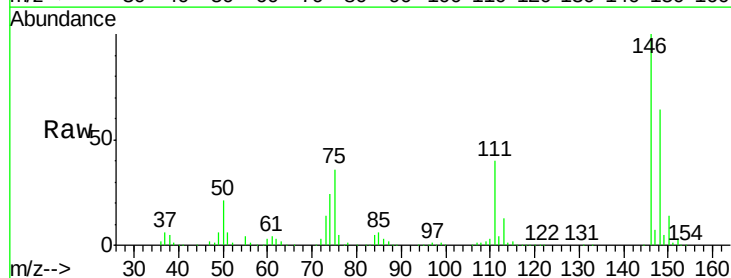
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

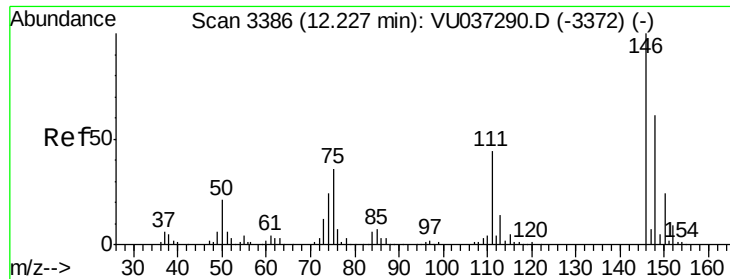
Tgt Ion:146 Resp: 236398
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 62.7 45.6 84.8



#63
 1,4-Dichlorobenzene
 Concen: 10.03 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Tgt Ion:146 Resp: 232212
 Ion Ratio Lower Upper
 146 100
 111 40.3 29.0 53.9
 148 64.4 45.1 83.9

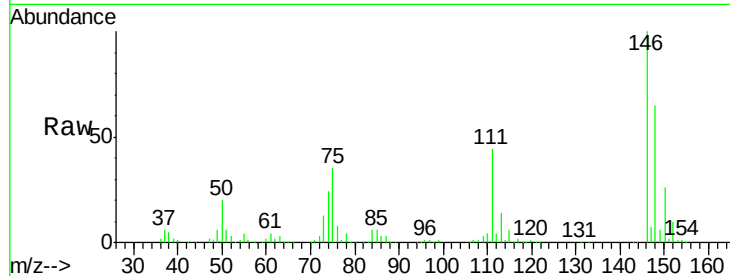




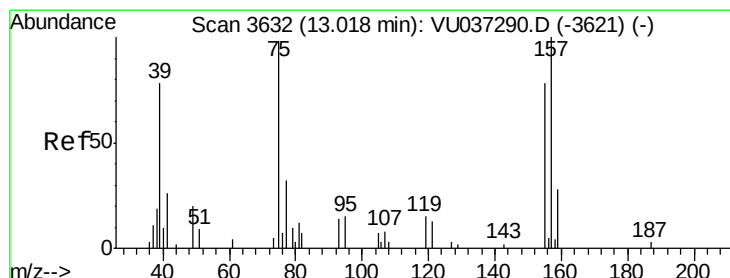
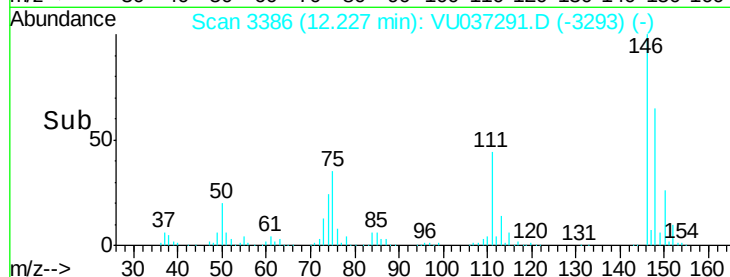
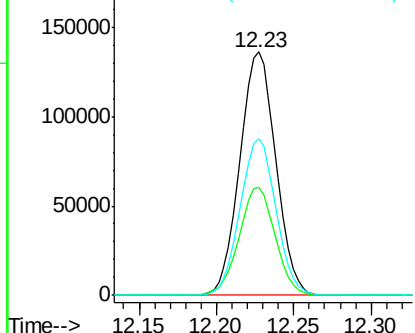
#65
 1,2-Dichlorobenzene
 Concen: 9.96 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 146 Resp: 220562
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.4 53.2
 148 64.6 48.8 73.2

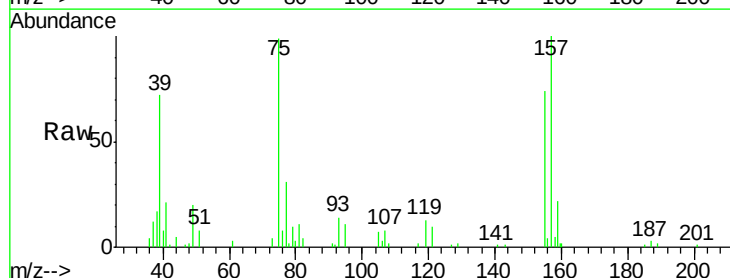


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

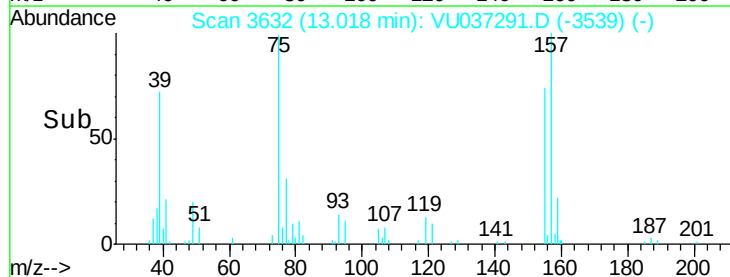
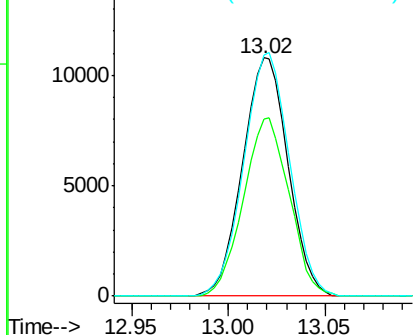


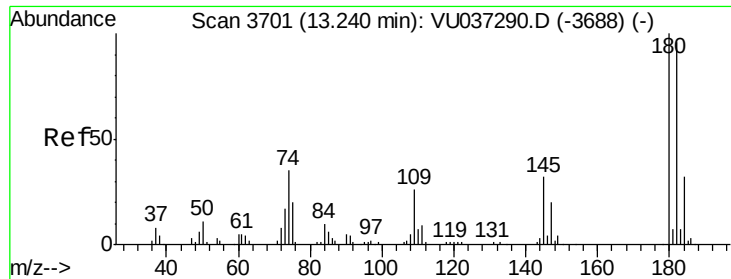
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.40 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Tgt Ion: 75 Resp: 17692
 Ion Ratio Lower Upper
 75 100
 155 74.6 63.7 95.5
 157 101.2 81.5 122.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

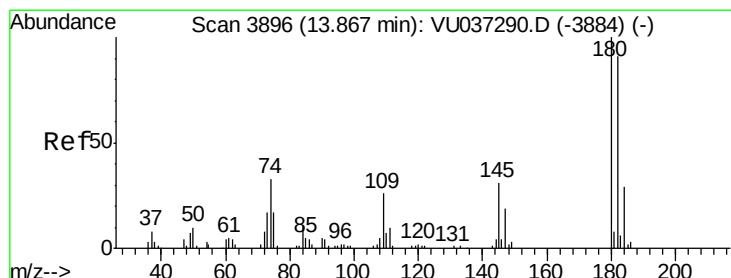
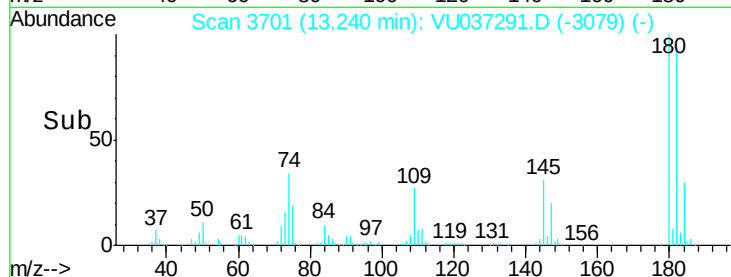
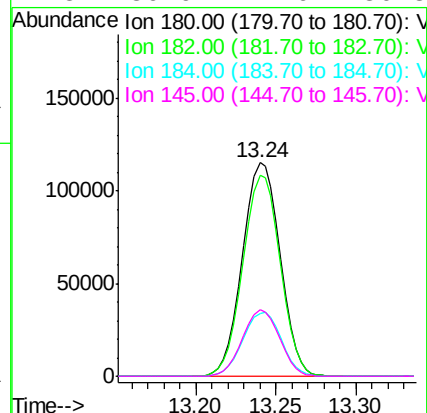
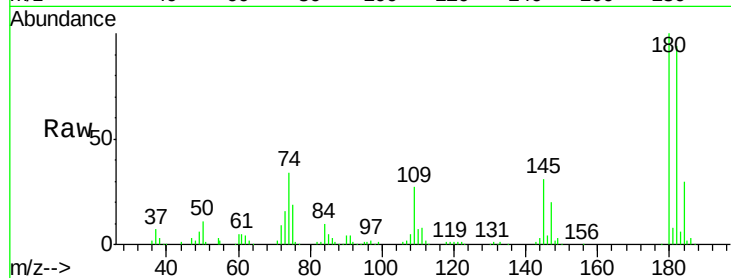




#67
 1,3,5-Trichlorobenzene
 Concen: 11.38 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

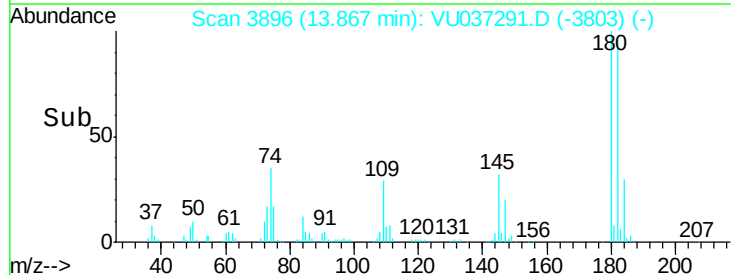
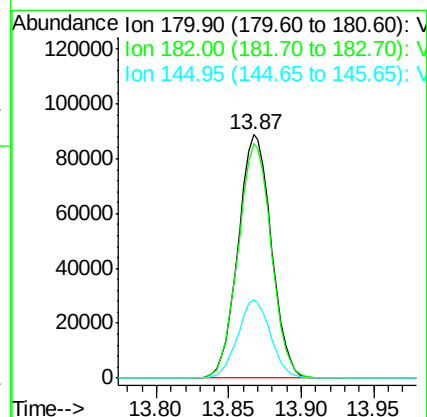
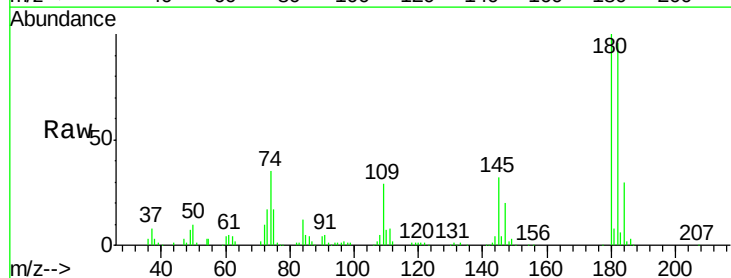
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

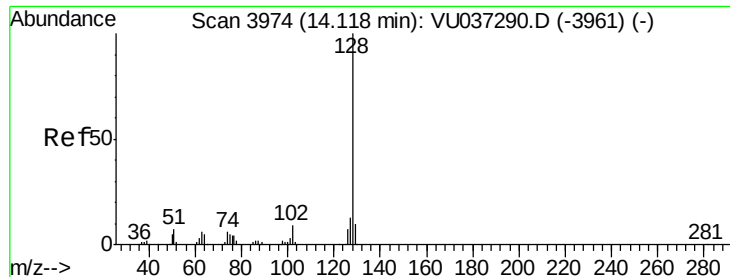
Tgt Ion:180 Resp: 184435
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.2 114.4
 184 30.7 24.4 36.6
 145 30.9 24.6 36.8



#68
 1,2,4-trichlorobenzene
 Concen: 12.64 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037291.D
 Acq: 16 Mar 2020 12:54

Tgt Ion:180 Resp: 140979
 Ion Ratio Lower Upper
 180 100
 182 96.4 73.8 110.6
 145 31.8 24.6 36.8





#69

Naphthalene

Concen: 13.36 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

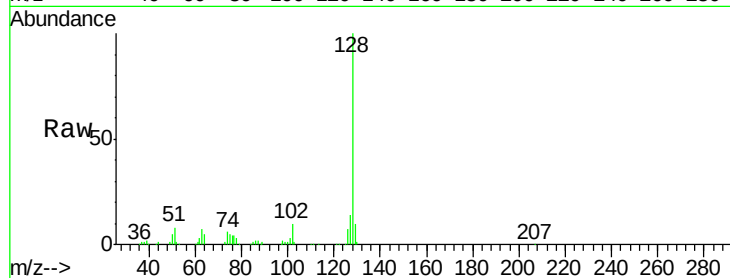
Tgt Ion:128 Resp: 212207

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

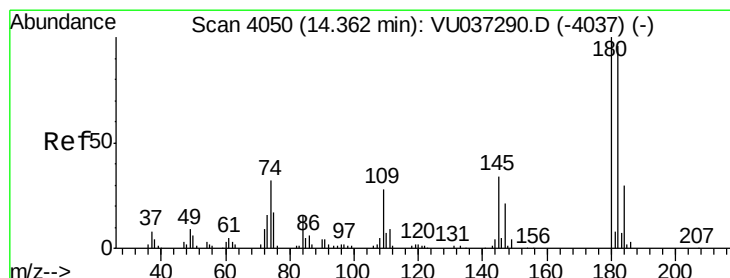
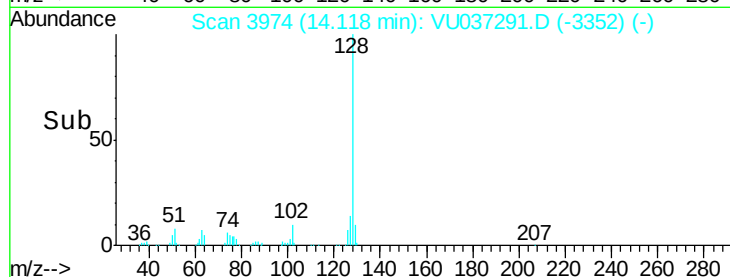
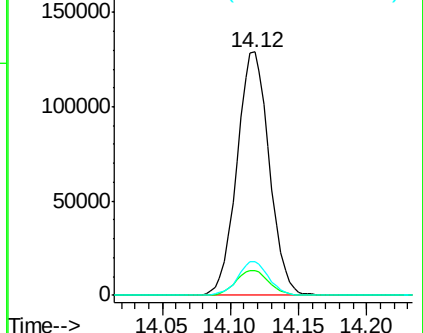
127 13.2 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 12.51 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037291.D

Acq: 16 Mar 2020 12:54

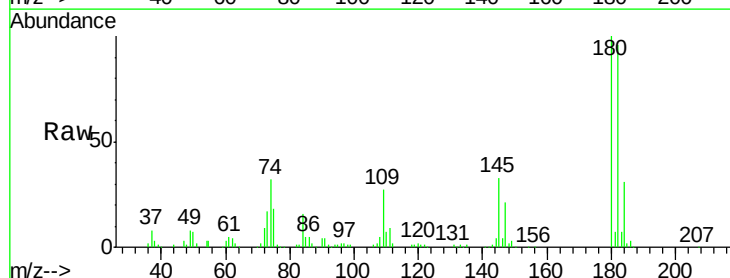
Tgt Ion:180 Resp: 130350

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.2

145 34.5 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

