

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\
 Data File : VU037182.D
 Acq On : 11 Mar 2020 21:36
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Quant Time: Mar 12 02:00:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 12 01:55:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.32	114	113258	5.00	ug/L	0.04
28) Chlorobenzene-d5	9.45	117	114042	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	57055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.65	65	34903	4.69	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.96	69	28518	5.43	ug/L	0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.62	63	70476	4.60	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	4.77	46	91826	48.27	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.54%
24) Chloroform-d	5.15	84	81246	5.34	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.80	65	46098	5.22	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.82	84	141881	5.06	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.76	67	43906	4.84	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.94	98	141293	5.38	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.22	79	18870	5.16	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.68	63	81687	53.61	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.22%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39346	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	48028	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.42	85	79630	5.460	ug/L	98
3) Chloromethane	1.57	50	51487	4.138	ug/L	99
5) Vinyl chloride	1.65	62	54079	4.853	ug/L	95
6) Bromomethane	1.91	94	13225	3.158	ug/L	93
8) Chloroethane	1.99	64	34081	5.967	ug/L	100
9) Trichlorofluoromethane	2.19	101	79489	5.027	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.63	101	35260	4.314	ug/L	94
12) 1,1-Dichloroethene	2.63	96	32647	4.416	ug/L	93
13) Acetone	2.78	43	65786	42.201	ug/L	70
14) Carbon disulfide	2.84	76	104831	4.274	ug/L	99
15) Methyl Acetate	3.05	43	16300	4.468	ug/L #	77
16) Methylene chloride	3.11	84	39921	4.497	ug/L	81
17) Methyl tert-butyl Ether	3.46	73	92398	4.653	ug/L #	92
18) trans-1,2-Dichloroethene	3.41	96	33823	4.327	ug/L	88
19) 1,1-Dichloroethane	3.94	63	69766	4.410	ug/L	98
21) 2-Butanone	4.85	43	120845	49.246	ug/L	98
22) cis-1,2-Dichloroethene	4.74	96	47086	5.474	ug/L	96

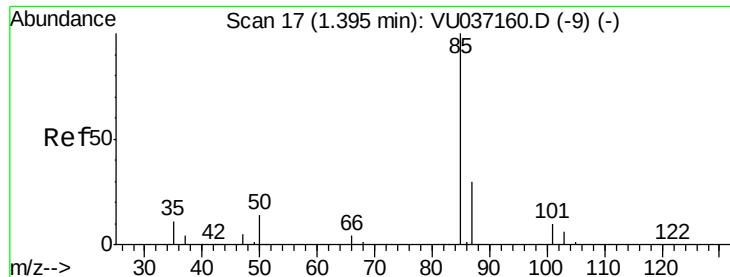
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.06	128	20556	5.452	ug/L	88
25) Chloroform	5.18	83	90202	5.226	ug/L	99
27) 1,2-Dichloroethane	5.89	62	62332	5.181	ug/L	98
29) 1,1,1-Trichloroethane	5.40	97	79744	5.460	ug/L	99
30) Cyclohexane	5.47	56	70096	4.962	ug/L	98
31) Carbon tetrachloride	5.62	117	72412	5.723	ug/L	100
33) Benzene	5.86	78	180427	5.351	ug/L	100
34) Trichloroethene	6.61	95	47610	5.229	ug/L	97
35) Methylcyclohexane	6.83	83	68455	4.864	ug/L	96
37) 1,2-Dichloropropane	6.86	63	48231	5.435	ug/L	99
38) Bromodichloromethane	7.17	83	65454	5.560	ug/L	99
39) cis-1,3-Dichloropropene	7.66	75	65117	5.112	ug/L	97
40) 4-Methyl-2-pentanone	7.85	43	337577	53.766	ug/L	100
42) Toluene	8.01	91	202263	5.587	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	56896	5.355	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	33625	5.252	ug/L	98
47) Tetrachloroethene	8.59	164	35178	4.968	ug/L	92
48) 2-Hexanone	8.73	43	250923	57.321	ug/L	98
49) Dibromochloromethane	8.85	129	42529	5.516	ug/L	98
50) 1,2-Dibromoethane	8.96	107	32881	5.417	ug/L #	95
51) Chlorobenzene	9.47	112	122321	5.248	ug/L	96
52) Ethylbenzene	9.60	91	212962	5.321	ug/L	96
53) m,p-Xylene	9.72	106	79779	5.545	ug/L	99
54) o-Xylene	10.12	106	77214	5.504	ug/L	97
55) Styrene	10.14	104	133769	5.814	ug/L	96
56) Isopropylbenzene	10.50	105	208176	5.530	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	44504	5.630	ug/L	93
59) 1,2,3-Trichloropropane	10.84	75	32523	5.123	ug/L	98
61) Bromoform	10.31	173	23488	5.395	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	96872	5.181	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	96039	5.172	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	89588	5.054	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	7390	5.430	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	66529	5.198	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	52587	6.059	ug/L	100
69) Naphthalene	14.11	128	94459	7.619	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	52869	6.492	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.460 ug/L

RT: 1.42 min Scan# 25

Delta R.T. 0.03 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

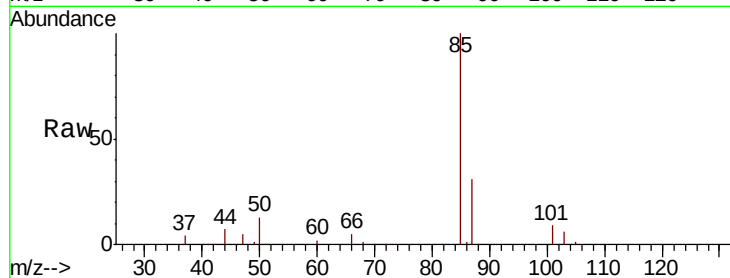
VSTD00507

Tot Ion: 85 Resp: 79630

Ion Ratio Lower Upper

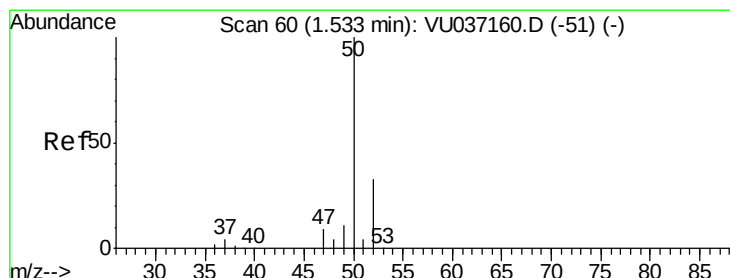
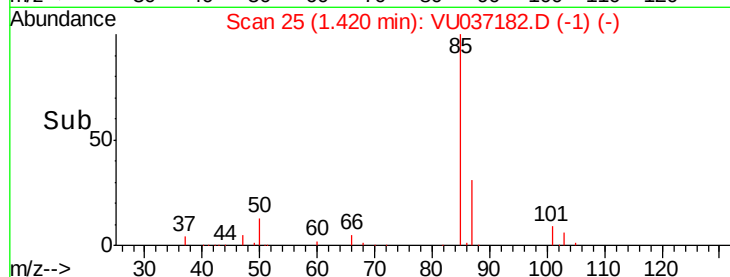
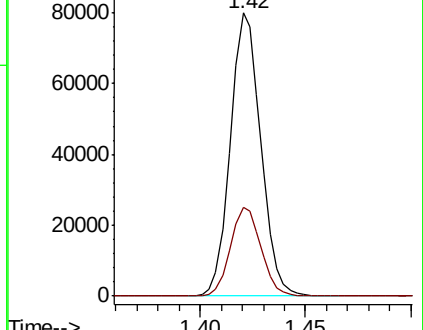
85 100

87 31.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037160.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037160.D (-9) (-)



#3

Chloromethane

Concen: 4.138 ug/L

RT: 1.57 min Scan# 70

Delta R.T. 0.03 min

Lab File: VU037182.D

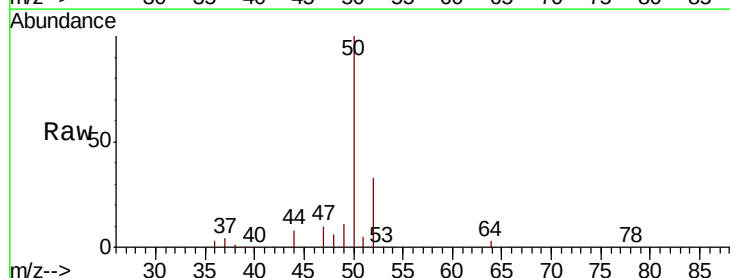
Acq: 11 Mar 2020 21:36

Tgt Ion: 50 Resp: 51487

Ion Ratio Lower Upper

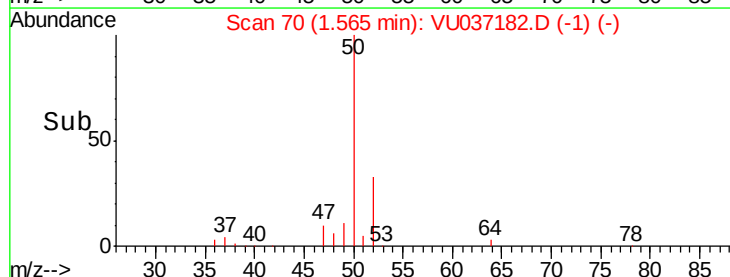
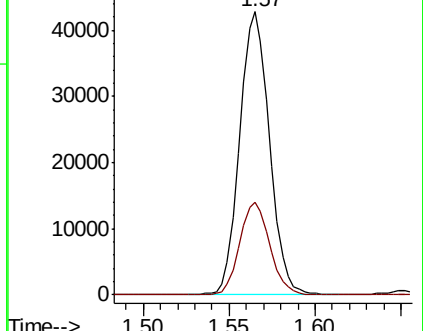
50 100

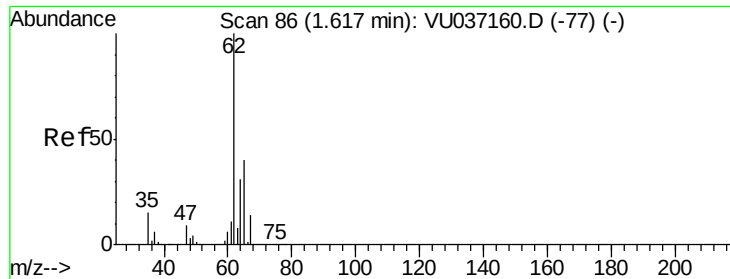
52 32.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU037160.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037160.D (-51) (-)





#5

Vinyl chloride

Concen: 4.853 ug/L

RT: 1.65 min Scan# 96

Delta R.T. 0.03 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampled :

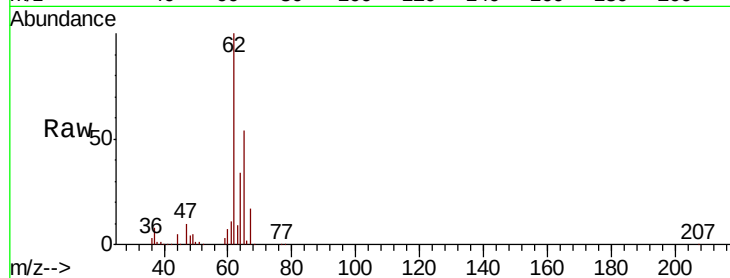
VSTD00507

Tot Ion: 62 Resp: 54079

Ion Ratio Lower Upper

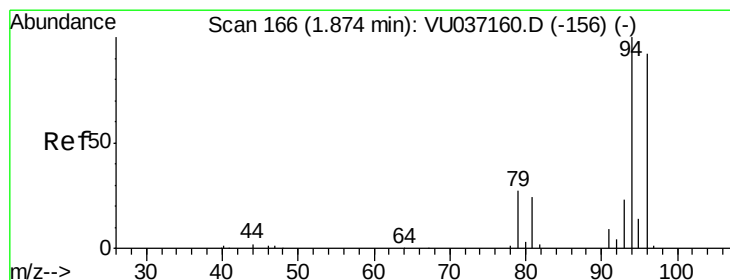
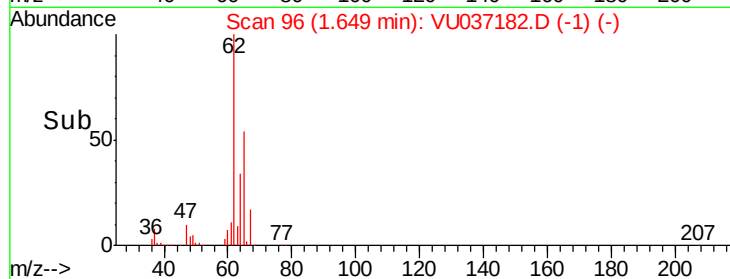
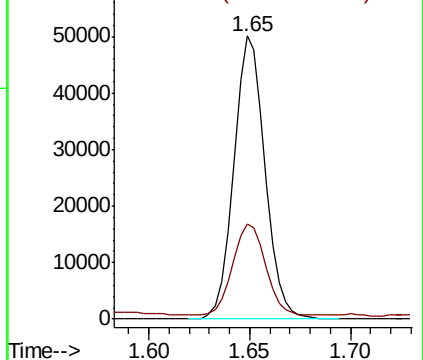
62 100

64 33.7 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VU037160.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037160.D (-77) (-)



#6

Bromomethane

Concen: 3.158 ug/L

RT: 1.91 min Scan# 177

Delta R.T. 0.04 min

Lab File: VU037182.D

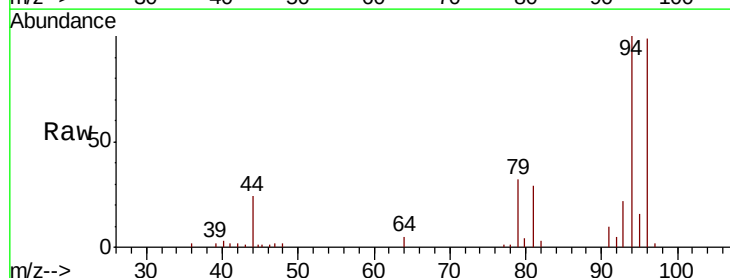
Acq: 11 Mar 2020 21:36

Tgt Ion: 94 Resp: 13225

Ion Ratio Lower Upper

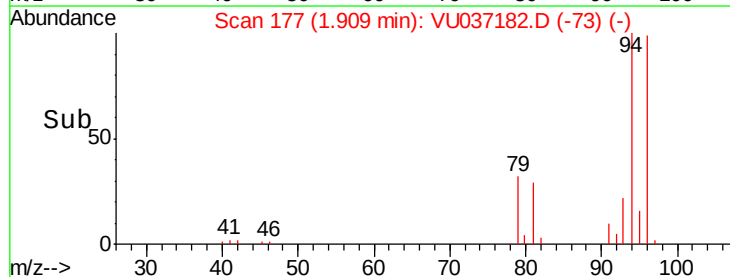
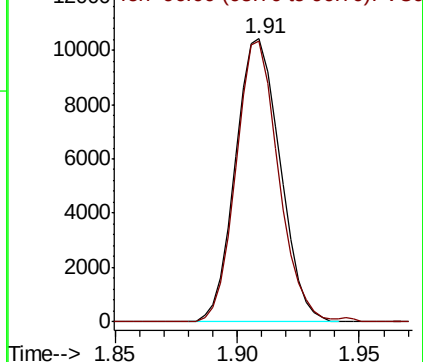
94 100

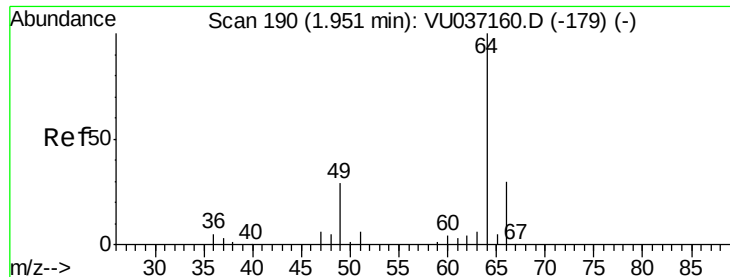
96 99.3 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU037160.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037160.D (-156) (-)





#8

Chloroethane

Concen: 5.967 ug/L

RT: 1.99 min Scan# 201

Delta R.T. 0.04 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

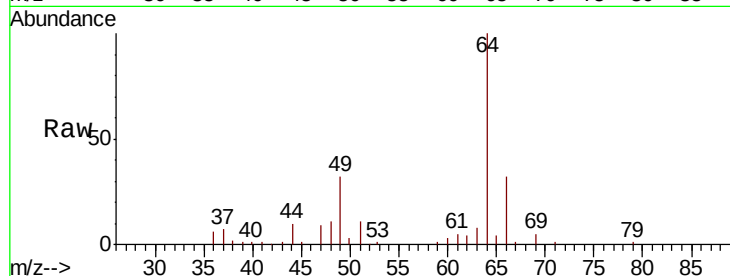
VSTD00507

Tot Ion: 64 Resp: 34081

Ion Ratio Lower Upper

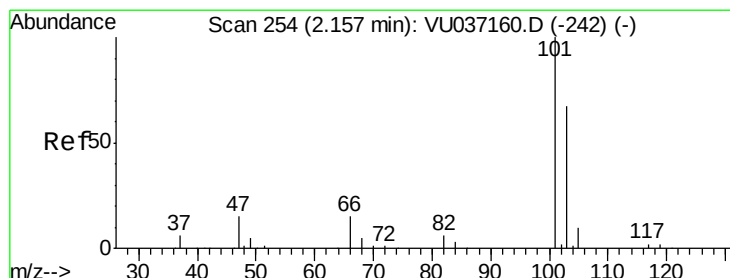
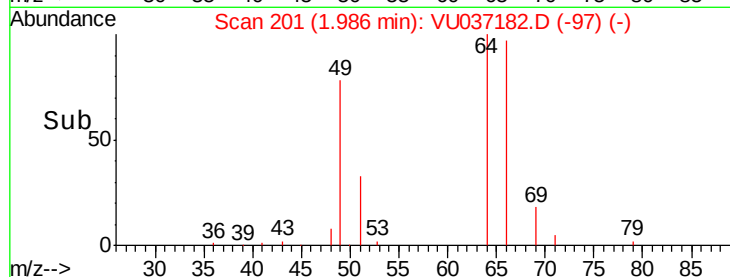
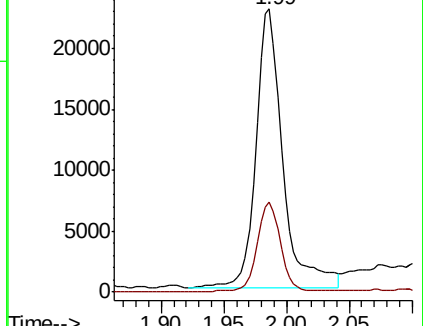
64 100

66 31.6 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU037182.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU037182.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 5.027 ug/L

RT: 2.19 min Scan# 263

Delta R.T. 0.03 min

Lab File: VU037182.D

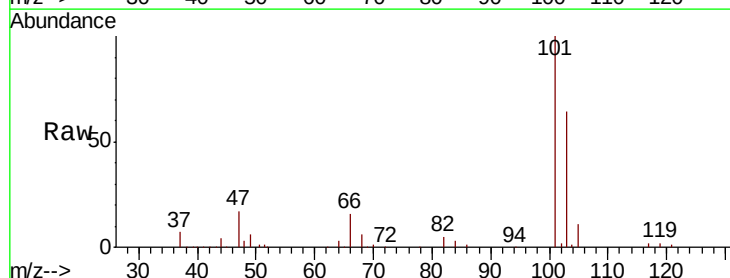
Acq: 11 Mar 2020 21:36

Tgt Ion:101 Resp: 79489

Ion Ratio Lower Upper

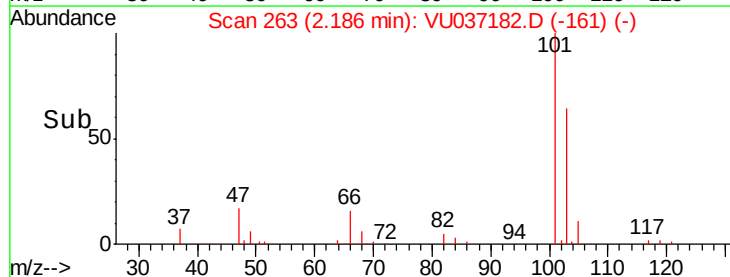
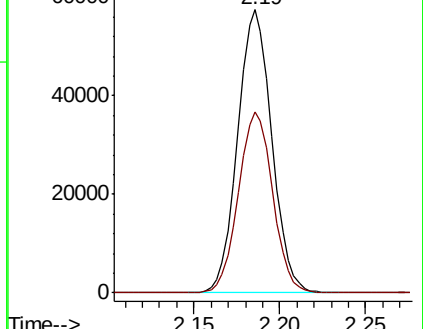
101 100

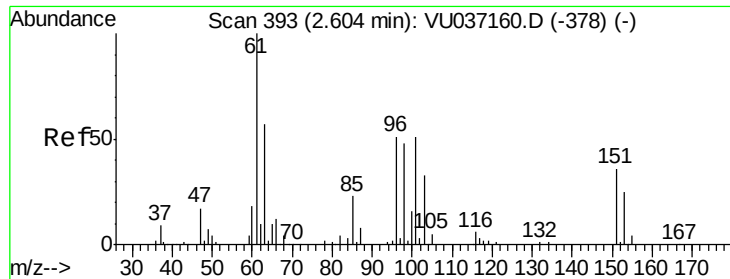
103 64.4 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): VU037182.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU037182.D (-161) (-)





#10

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

Concen: 4.314 ug/L

RT: 2.63 min Scan# 401

Delta R.T. 0.03 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

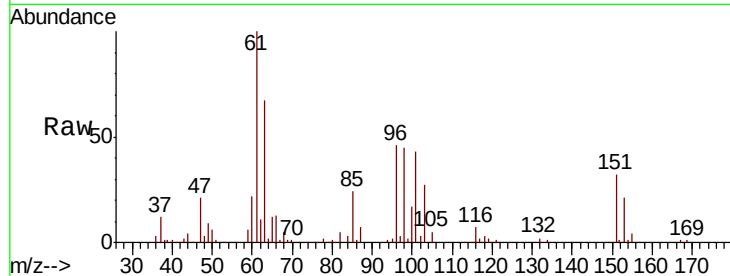
Tot Ion:101 Resp: 35260

Ion Ratio Lower Upper

101 100

85 53.2 37.5 56.3

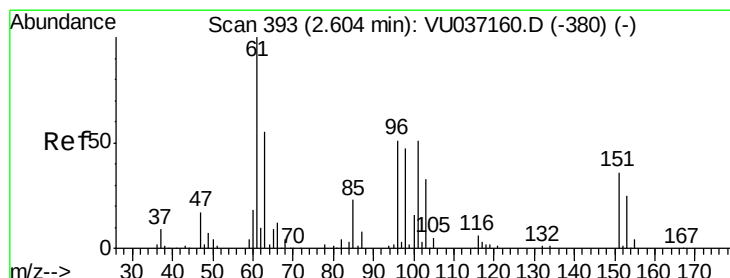
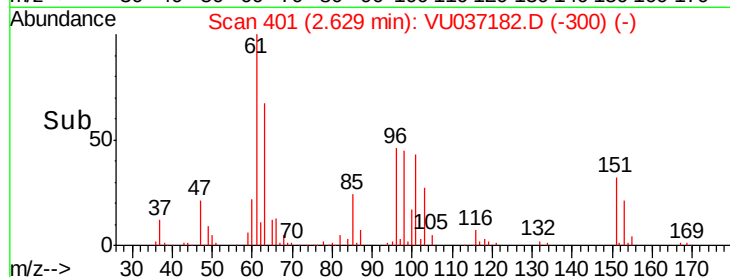
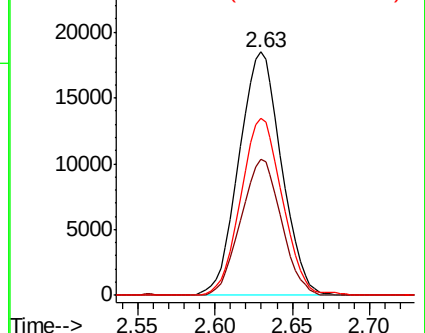
151 71.4 59.8 89.6



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: 4.416 ug/L

RT: 2.63 min Scan# 402

Delta R.T. 0.03 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

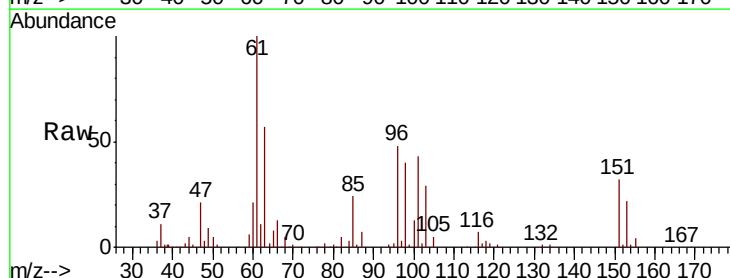
Tgt Ion: 96 Resp: 32647

Ion Ratio Lower Upper

96 100

61 207.5 136.4 253.2

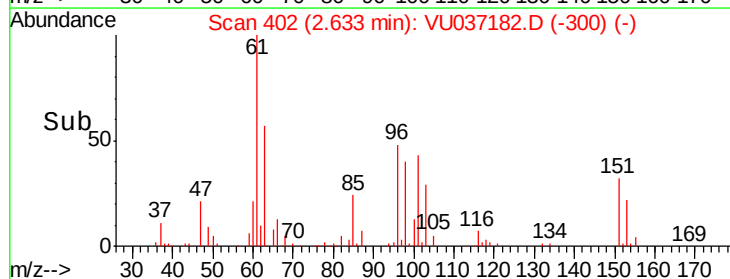
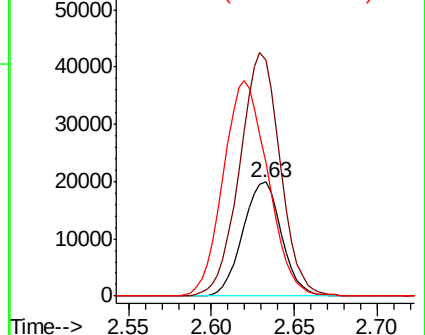
63 117.3 86.2 160.0

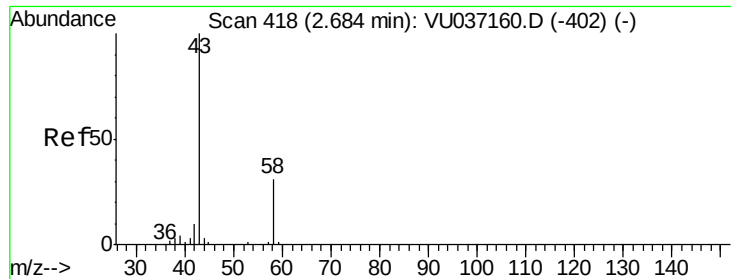


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.201 ug/L

RT: 2.78 min Scan# 447

Delta R.T. 0.09 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

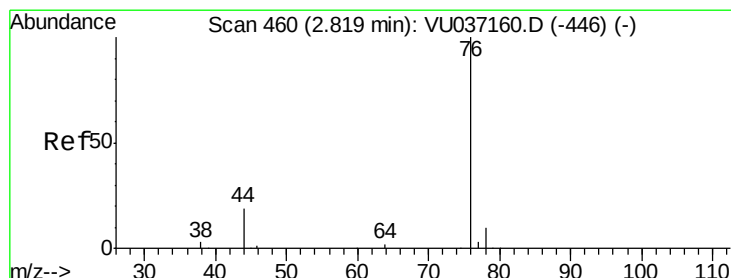
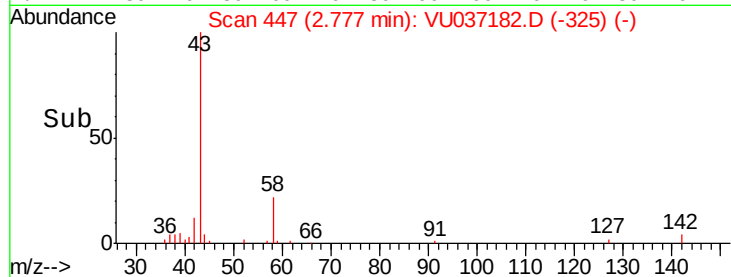
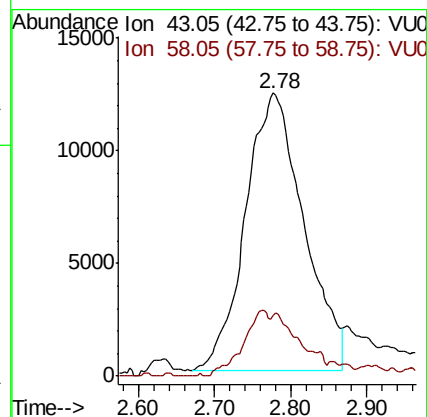
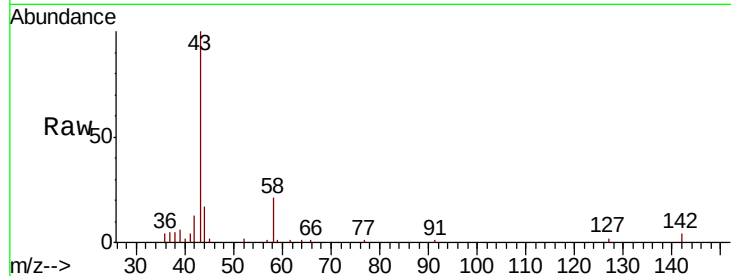
VSTD00507

Tot Ion: 43 Resp: 65786

Ion Ratio Lower Upper

43 100

58 10.9 0.0 52.2



#14

Carbon disulfide

Concen: 4.274 ug/L

RT: 2.84 min Scan# 468

Delta R.T. 0.03 min

Lab File: VU037182.D

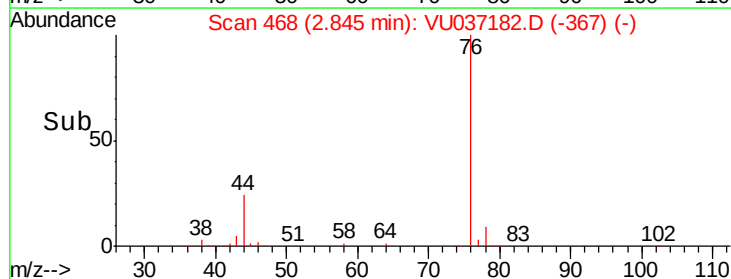
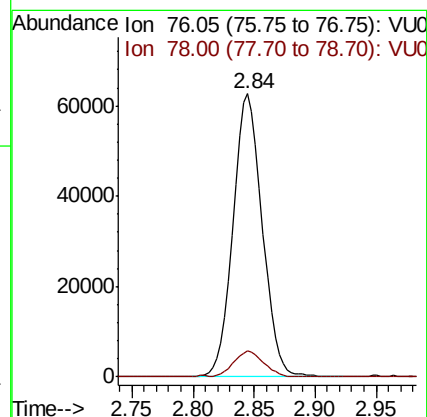
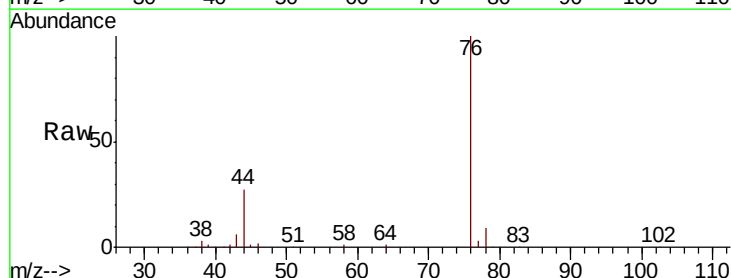
Acq: 11 Mar 2020 21:36

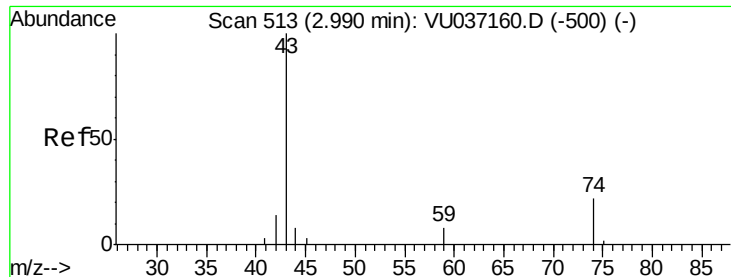
Tgt Ion: 76 Resp: 104831

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3

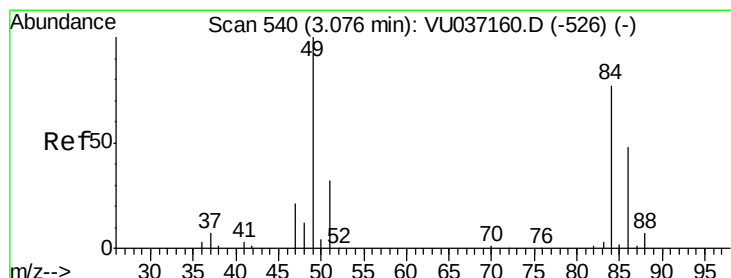
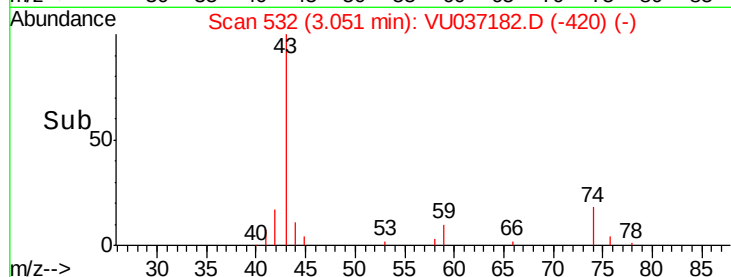
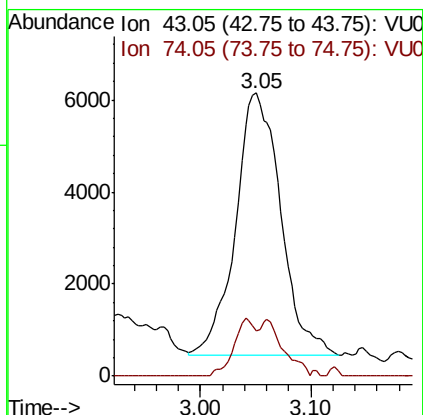
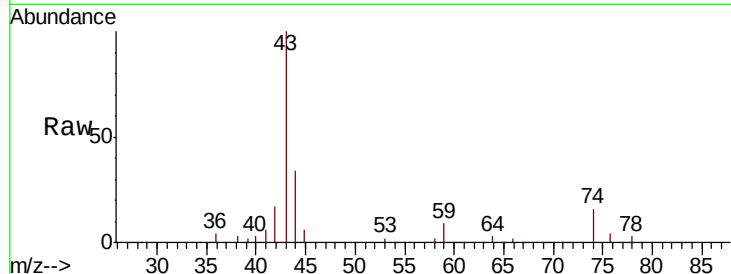




#15
Methvl Acetate
Concen: 4.468 ug/L
RT: 3.05 min Scan# 532
Delta R.T. 0.06 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

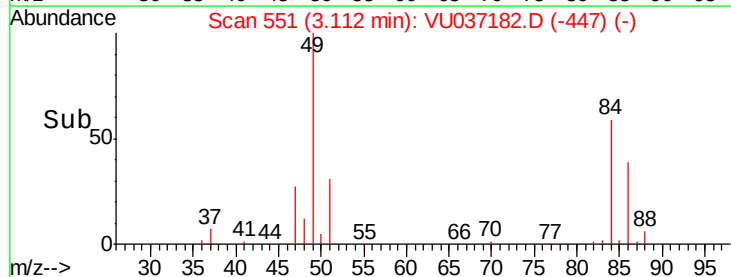
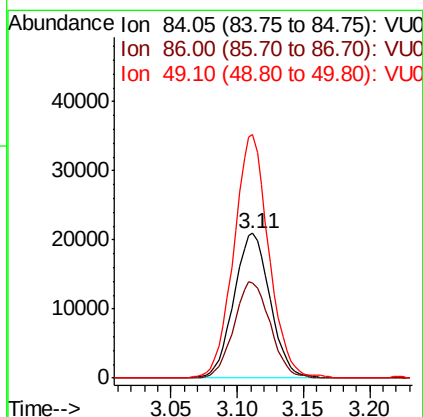
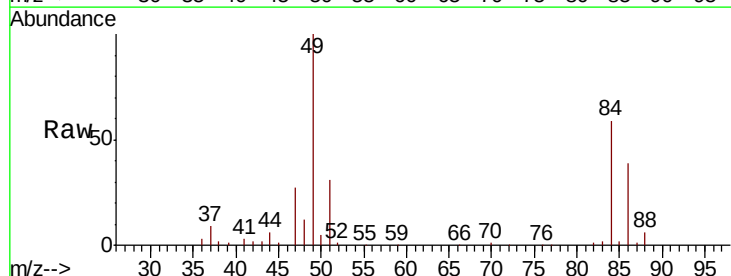
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

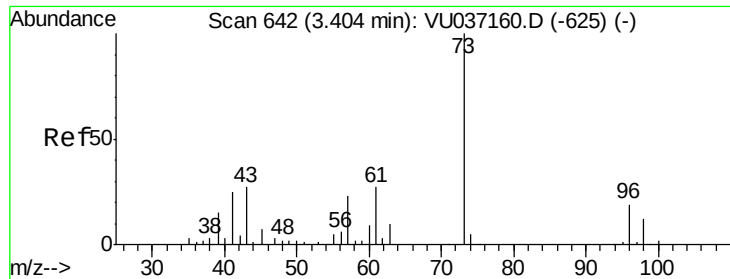
Tot Ion: 43 Resp: 16300
Ion Ratio Lower Upper
43 100
74 10.4 17.1 25.7#



#16
Methylene chloride
Concen: 4.497 ug/L
RT: 3.11 min Scan# 551
Delta R.T. 0.04 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion: 84 Resp: 39921
Ion Ratio Lower Upper
84 100
86 65.9 44.3 82.3
49 168.3 95.3 177.1

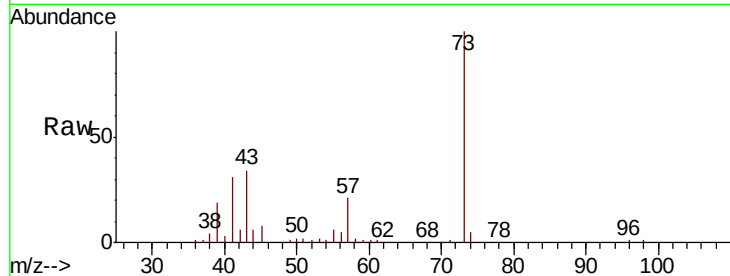




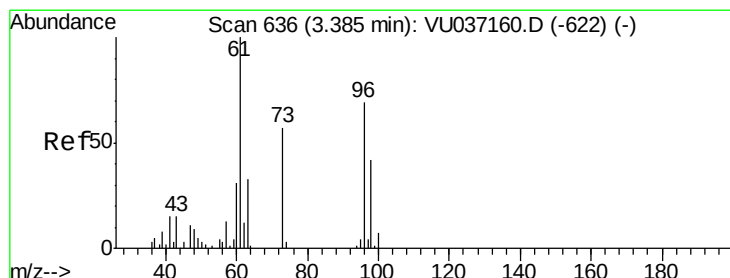
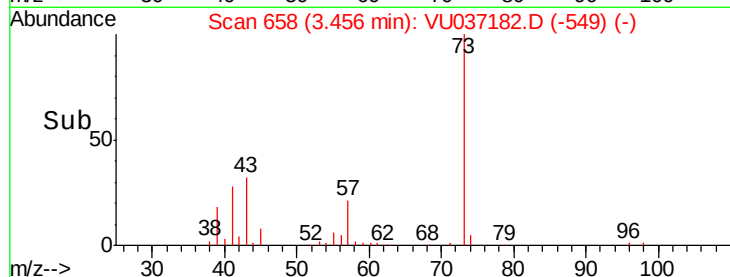
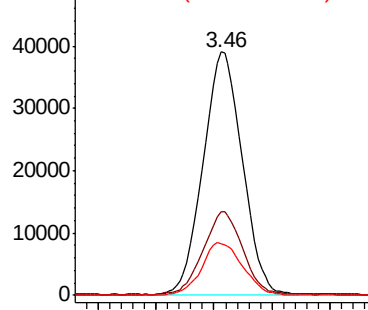
#17
Methyl tert-butyl Ether
Concen: 4.653 ug/L
RT: 3.46 min Scan# 658
Delta R.T. 0.05 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion: 73 Resp: 92398
Ion Ratio Lower Upper
73 100
43 33.7 21.1 31.7#
57 22.5 17.9 26.9

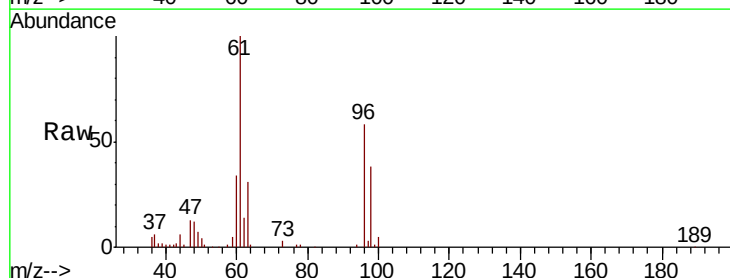


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

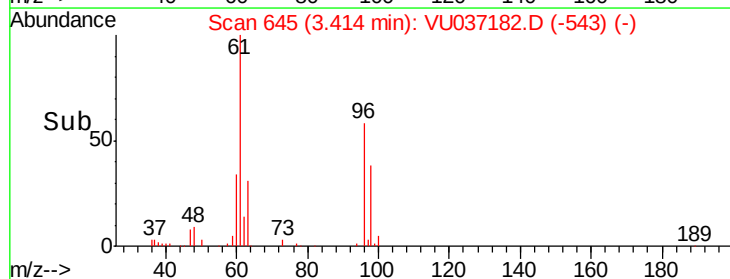
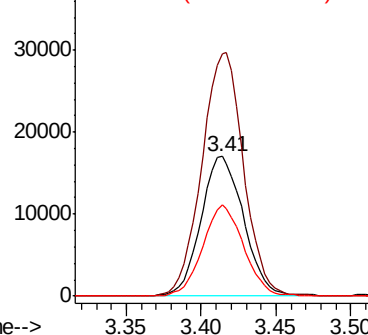


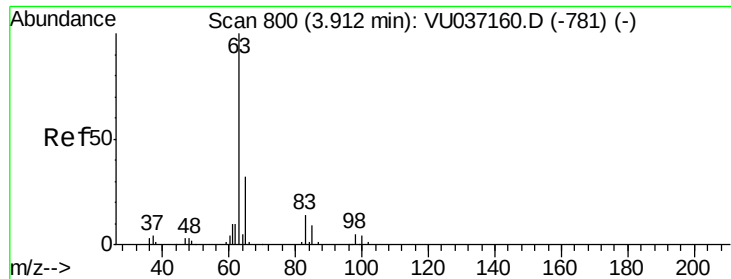
#18
trans-1,2-Dichloroethene
Concen: 4.327 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.03 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion: 96 Resp: 33823
Ion Ratio Lower Upper
96 100
61 173.7 107.2 199.2
98 65.2 43.6 81.0



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

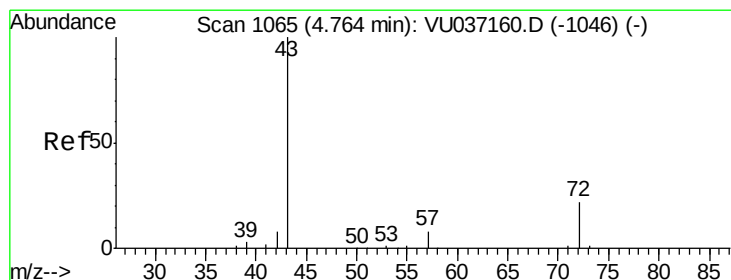
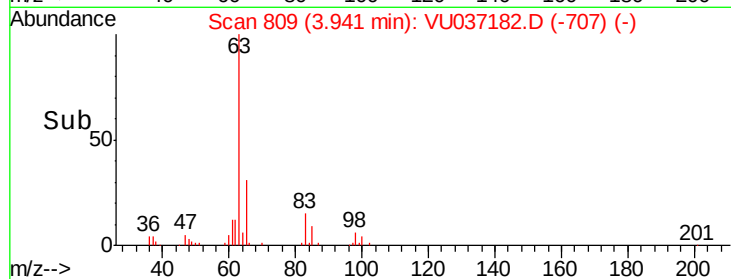
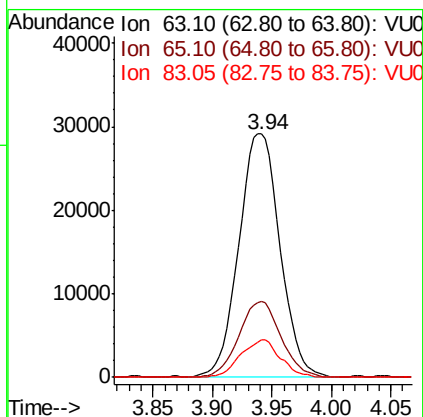
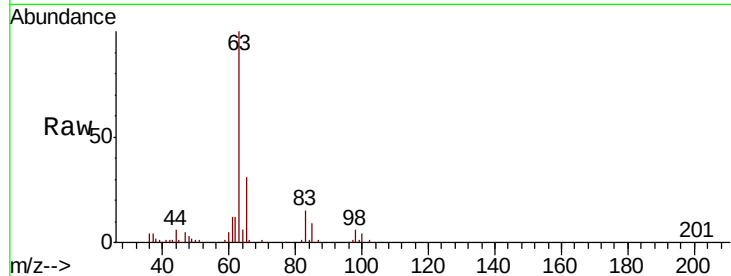




#19
 1,1-Dichloroethane
 Concen: 4.410 ug/L
 RT: 3.94 min Scan# 809
 Delta R.T. 0.03 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

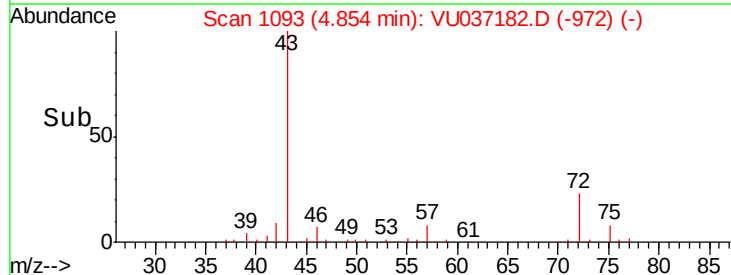
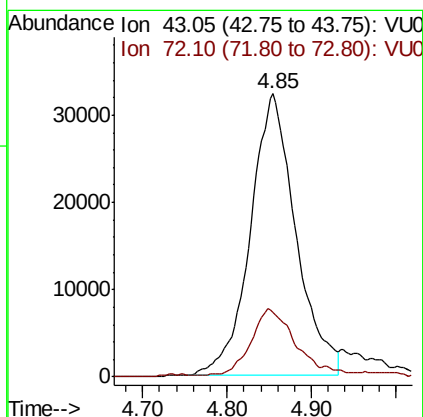
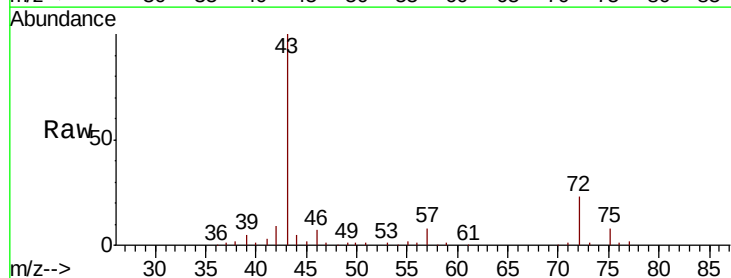
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

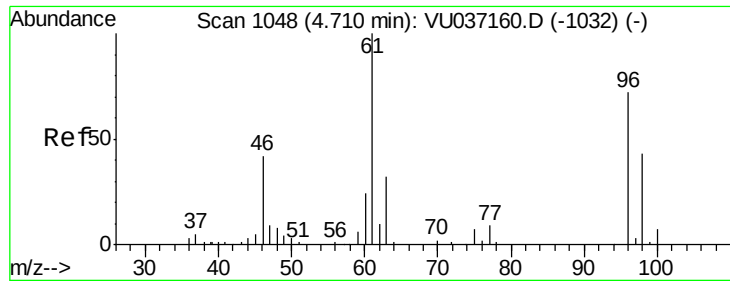
Tot Ion	63	Resp	69766
Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.3	39.5
83	15.2	10.0	18.6



#21
 2-Butanone
 Concen: 49.246 ug/L
 RT: 4.85 min Scan# 1093
 Delta R.T. 0.09 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion	43	Resp	120845
Ion	Ratio	Lower	Upper
43	100		
72	22.2	11.6	34.7





#22

cis-1,2-Dichloroethene

Concen: 5.474 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.03 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

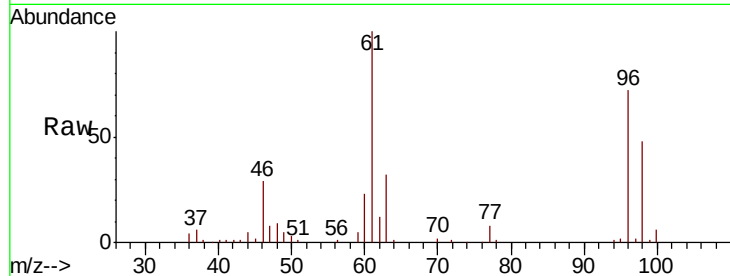
Tot Ion: 96 Resp: 47086

Ion Ratio Lower Upper

96 100

61 139.7 94.1 174.8

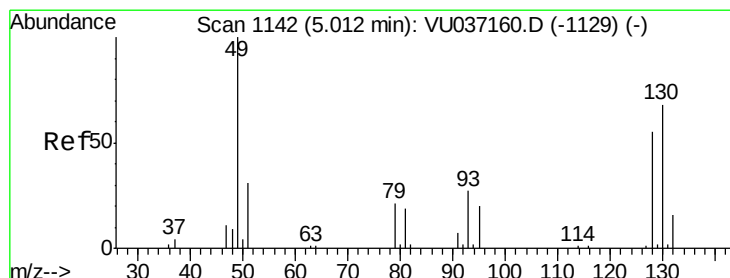
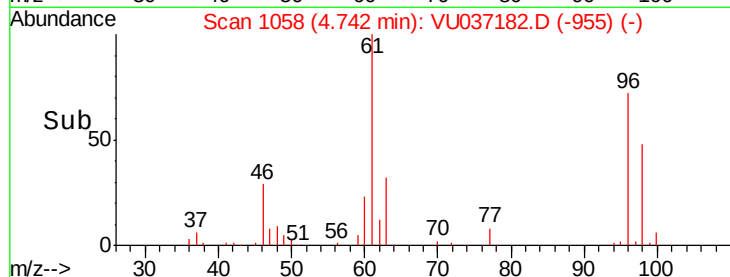
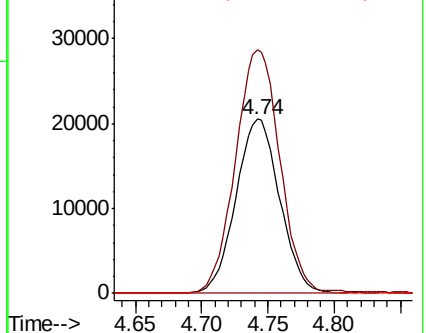
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037182.D (-1058) (-)

Ion 61.05 (60.75 to 61.75): VU037182.D (-1058) (-)

Ion 68.15 (67.85 to 68.85): VU037182.D (-1058) (-)



#23

Bromochloromethane

Concen: 5.452 ug/L

RT: 5.06 min Scan# 1157

Delta R.T. 0.05 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Tgt Ion:128 Resp: 20556

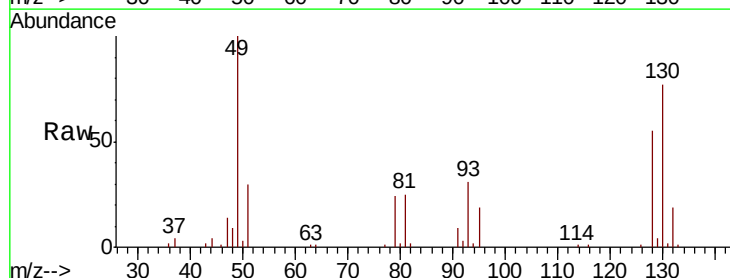
Ion Ratio Lower Upper

128 100

49 180.9 115.7 214.9

130 138.8 83.1 154.3

51 55.0 42.5 63.7

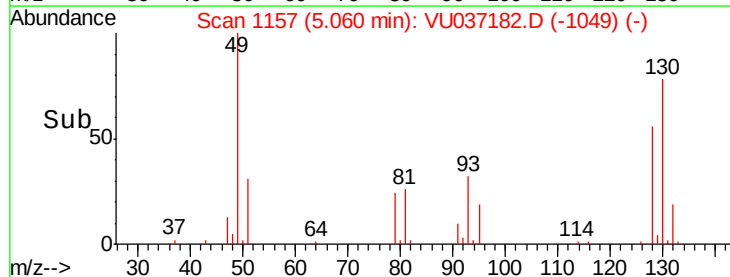
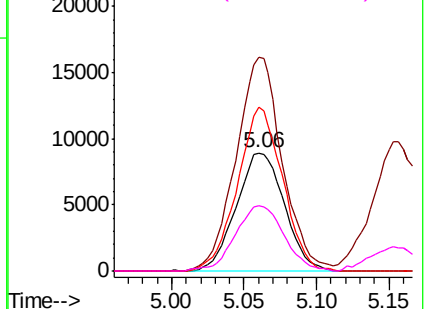


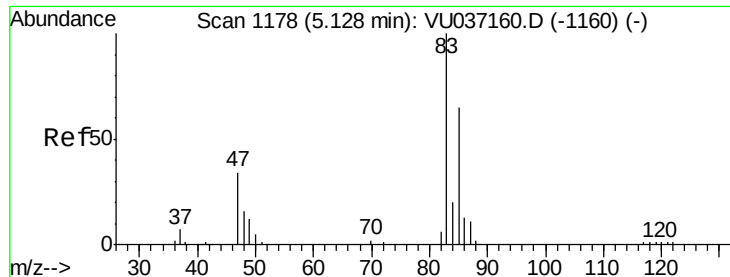
Abundance Ion 127.90 (127.60 to 128.60): VU037182.D (-1157) (-)

Ion 49.10 (48.80 to 49.80): VU037182.D (-1157) (-)

Ion 129.95 (129.65 to 130.65): VU037182.D (-1157) (-)

Ion 51.05 (50.75 to 51.75): VU037182.D (-1157) (-)

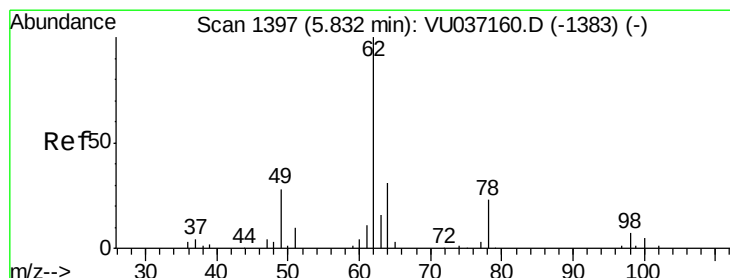
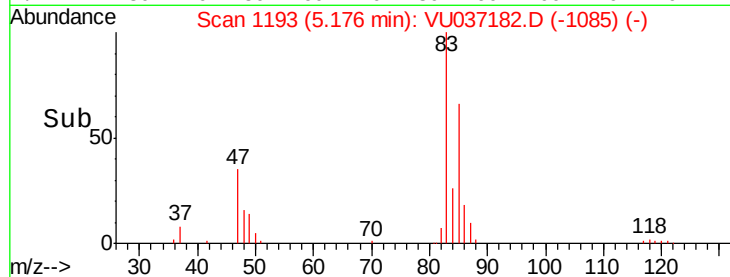
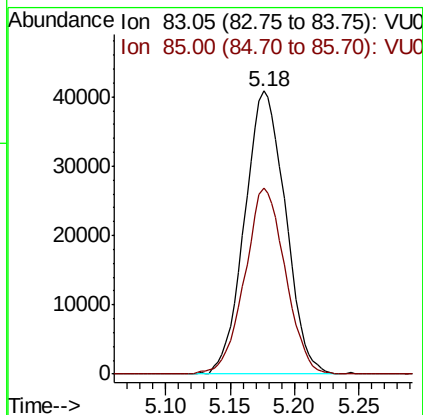
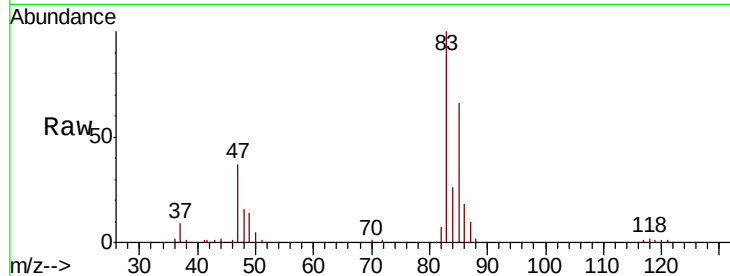




#25
Chloroform
Concen: 5.226 ug/L
RT: 5.18 min Scan# 1193
Delta R.T. 0.05 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

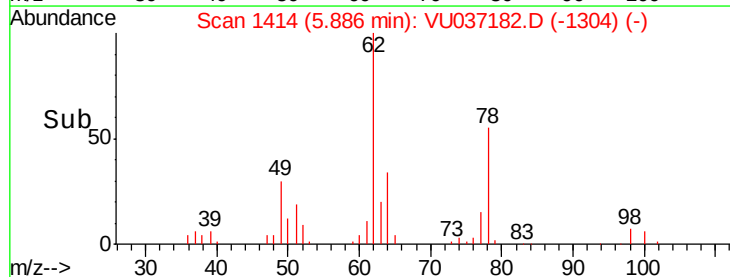
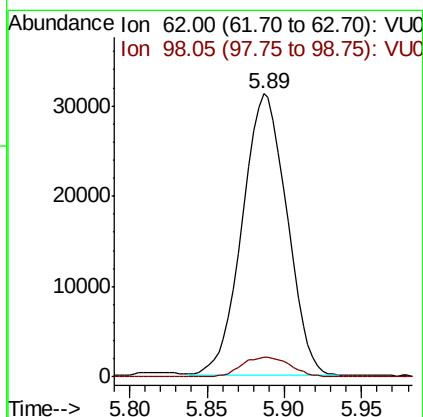
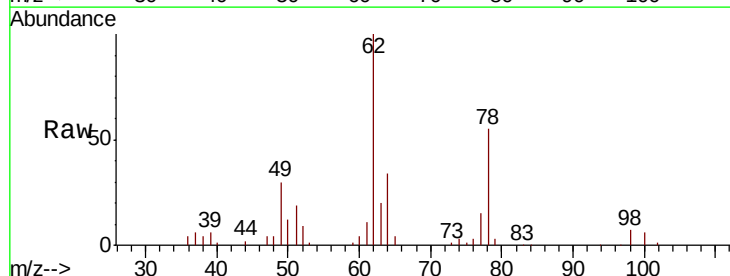
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

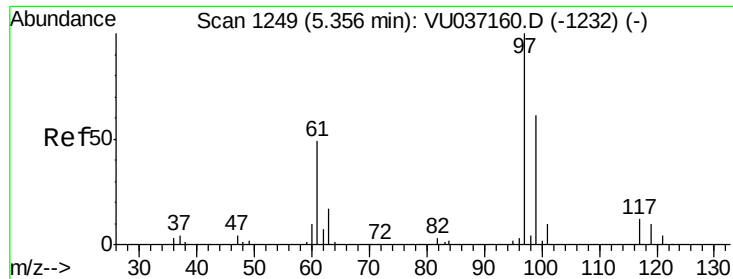
Tot Ion: 83 Resp: 90202
Ion Ratio Lower Upper
83 100
85 65.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.181 ug/L
RT: 5.89 min Scan# 1414
Delta R.T. 0.05 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion: 62 Resp: 62332
Ion Ratio Lower Upper
62 100
98 6.8 5.9 8.9

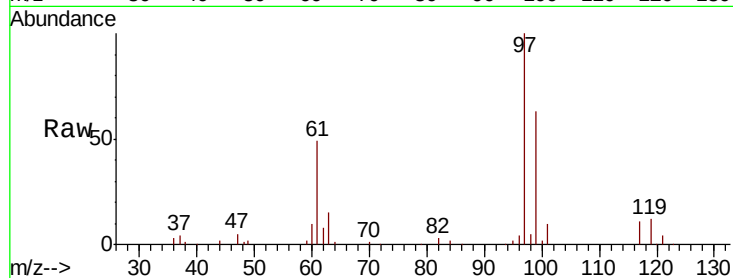




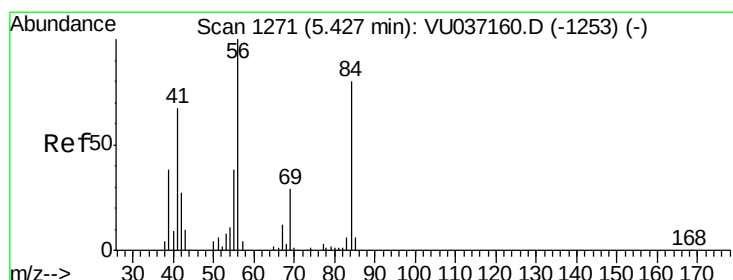
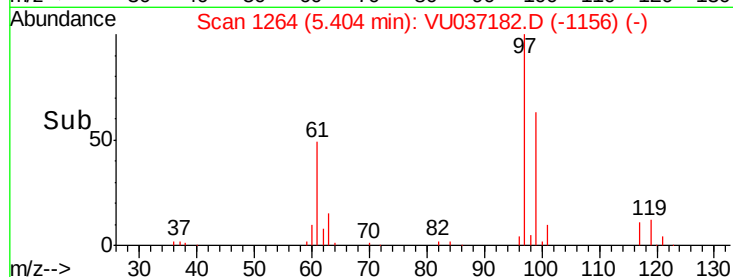
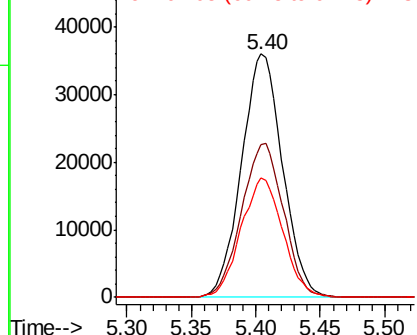
#29
1,1,1-Trichloroethane
Concen: 5.460 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. 0.05 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion: 97 Resp: 79744
Ion Ratio Lower Upper
97 100
99 64.6 52.4 78.6
61 50.1 40.6 61.0

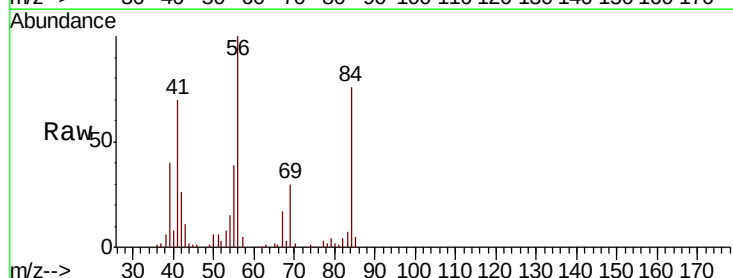


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

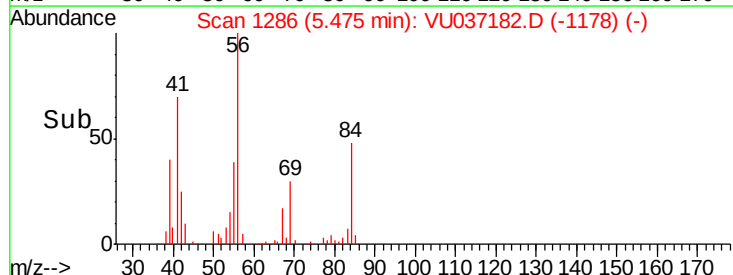
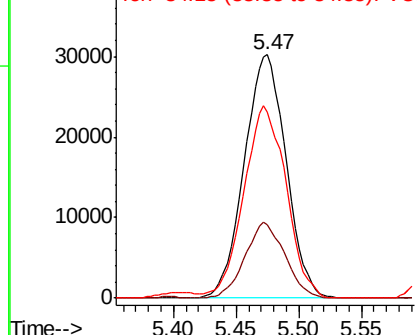


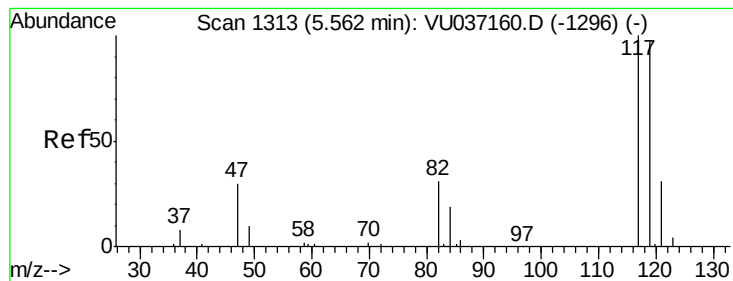
#30
Cyclohexane
Concen: 4.962 ug/L
RT: 5.47 min Scan# 1286
Delta R.T. 0.05 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion: 56 Resp: 70096
Ion Ratio Lower Upper
56 100
69 29.6 25.0 37.6
84 80.3 65.4 98.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.723 ug/L

RT: 5.62 min Scan# 1330

Delta R.T. 0.05 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

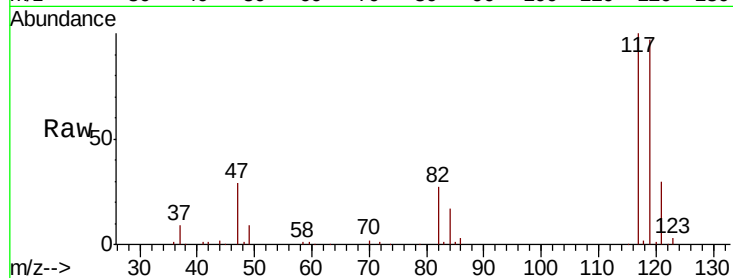
VSTD00507

Tot Ion:117 Resp: 72412

Ion Ratio Lower Upper

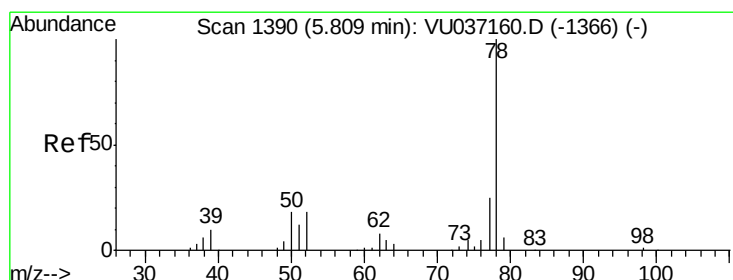
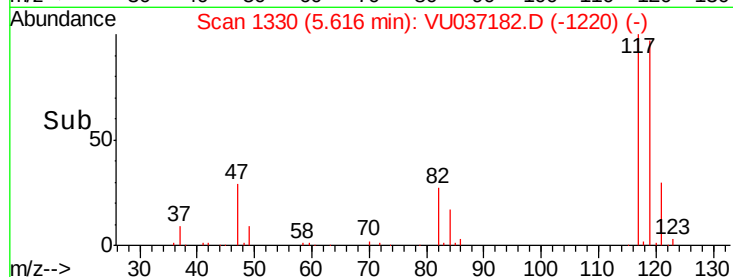
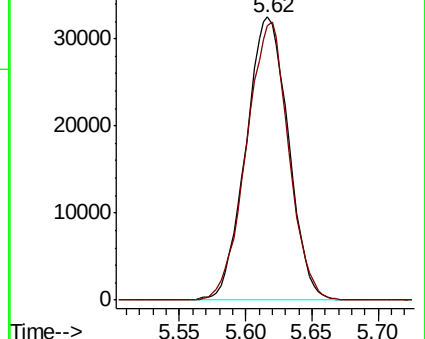
117 100

119 97.6 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.351 ug/L

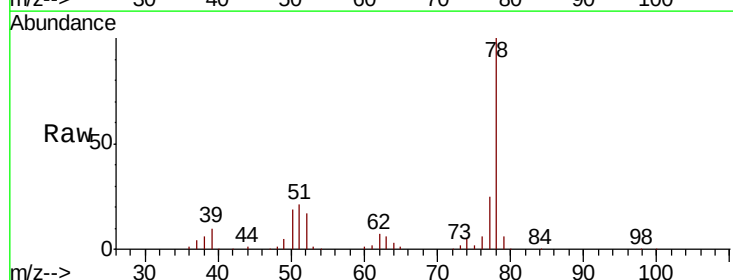
RT: 5.86 min Scan# 1407

Delta R.T. 0.05 min

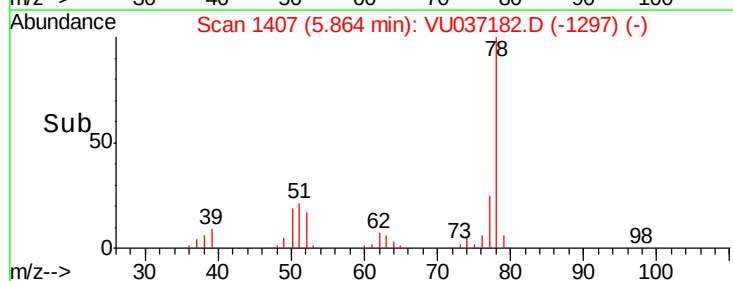
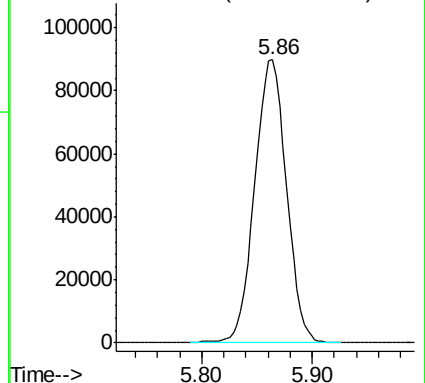
Lab File: VU037182.D

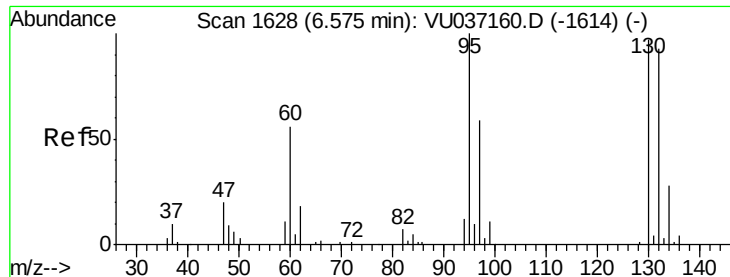
Acq: 11 Mar 2020 21:36

Tgt Ion: 78 Resp: 180427



Abundance Ion 78.10 (77.80 to 78.80): VU0

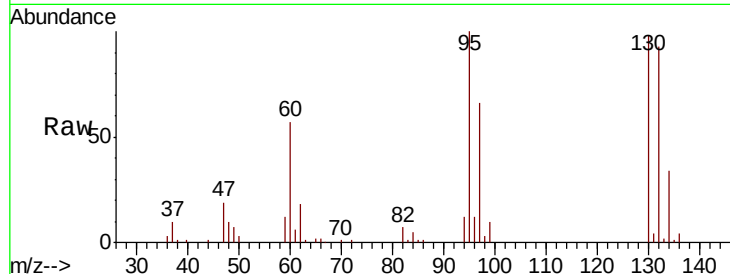




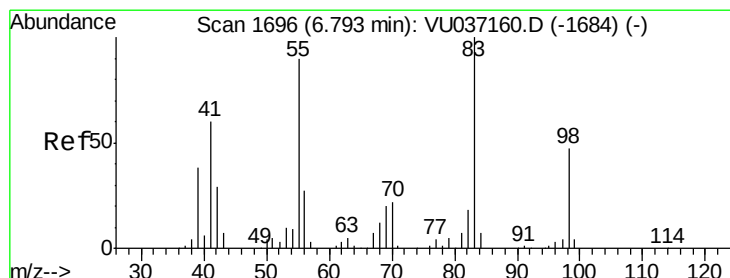
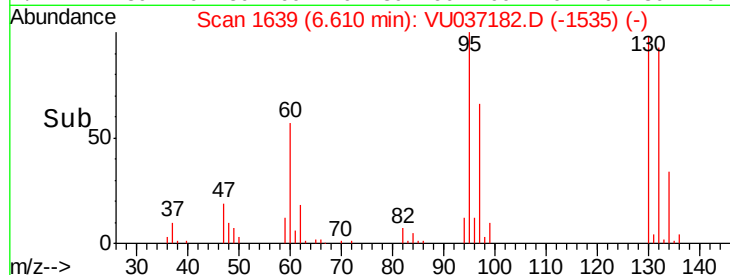
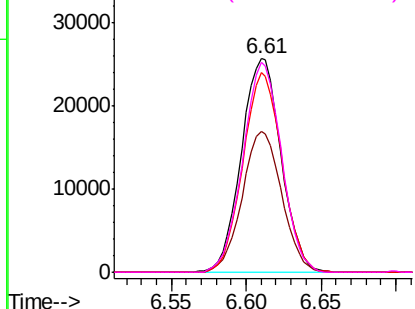
#34
 Trichloroethene
 Concen: 5.229 ug/L
 RT: 6.61 min Scan# 1639
 Delta R.T. 0.04 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tot Ion: 95 Resp: 47610
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.4 84.4
 132 93.4 63.7 118.3
 130 98.0 64.8 120.4

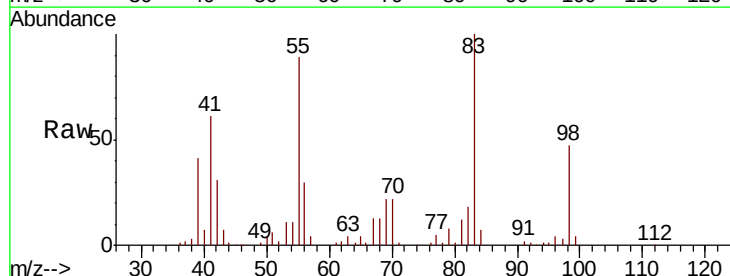


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

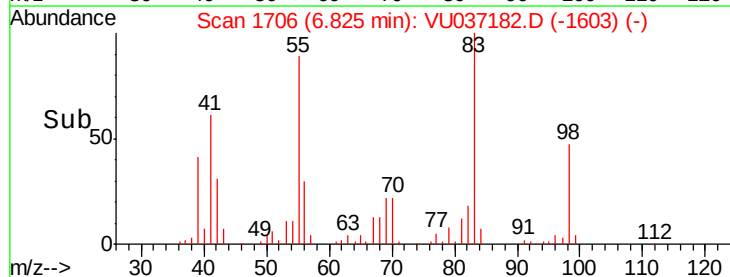
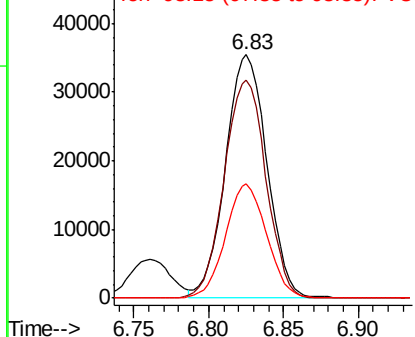


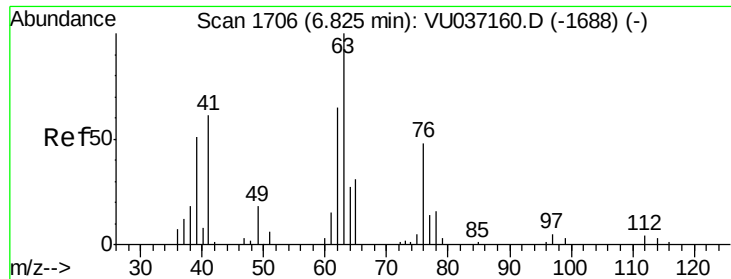
#35
 Methylcyclohexane
 Concen: 4.864 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.03 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion: 83 Resp: 68455
 Ion Ratio Lower Upper
 83 100
 55 90.2 68.1 102.1
 98 46.3 37.0 55.4



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

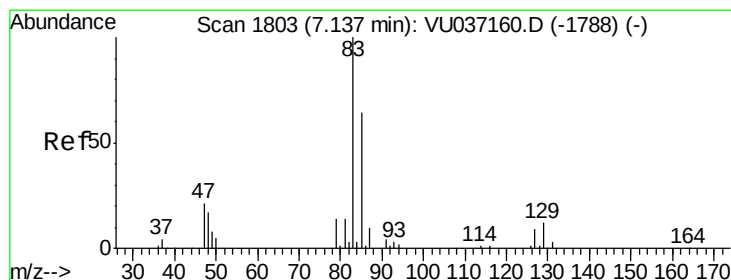
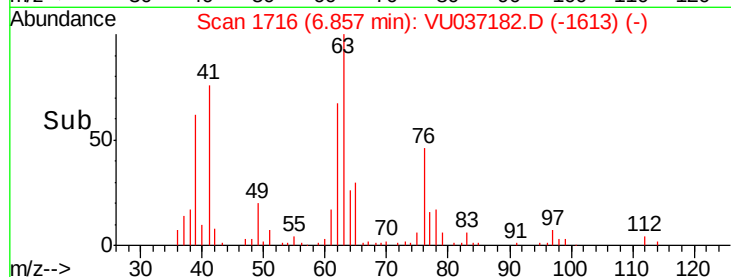
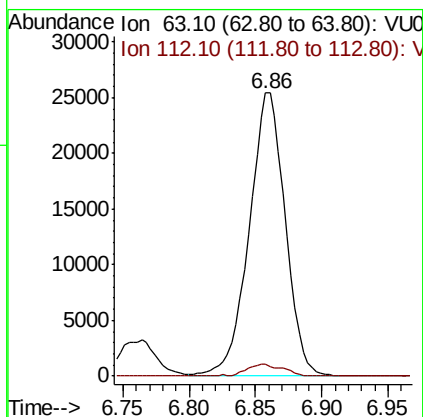
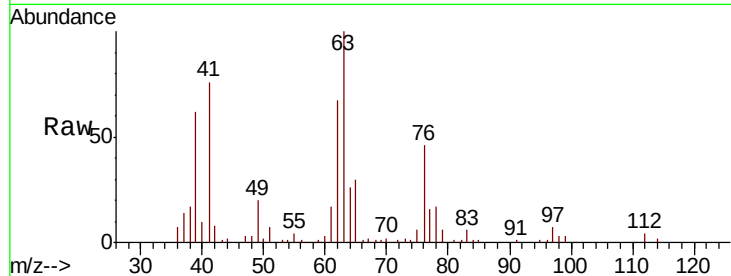




#37
 1,2-Dichloropropane
 Concen: 5.435 ug/L
 RT: 6.86 min Scan# 1716
 Delta R.T. 0.03 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

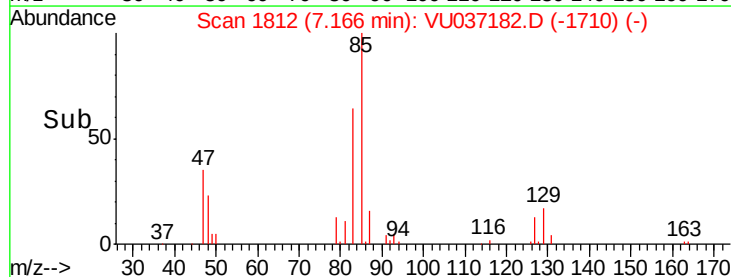
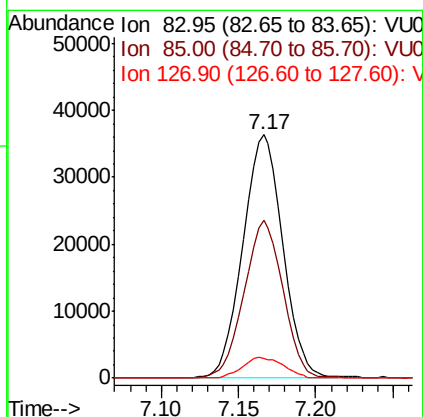
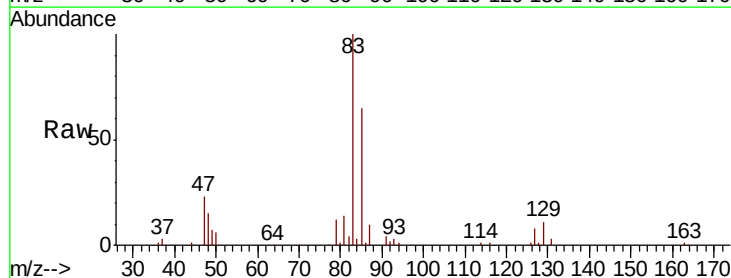
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

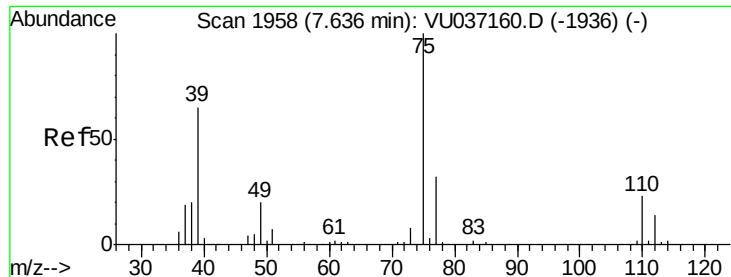
Tot Ion: 63 Resp: 48231
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.560 ug/L
 RT: 7.17 min Scan# 1812
 Delta R.T. 0.03 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion: 83 Resp: 65454
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7
 127 8.1 6.7 10.1

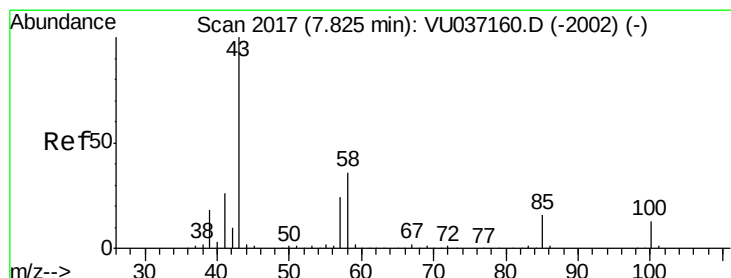
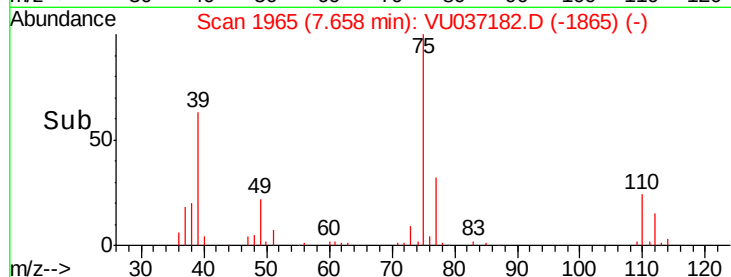
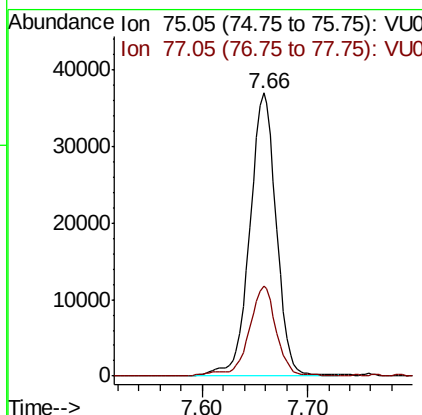
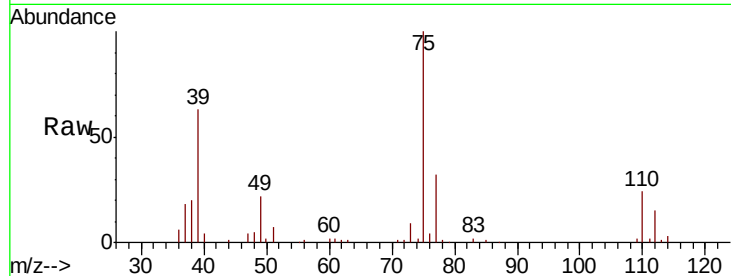




#39
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/L
 RT: 7.66 min Scan# 1965
 Delta R.T. 0.02 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

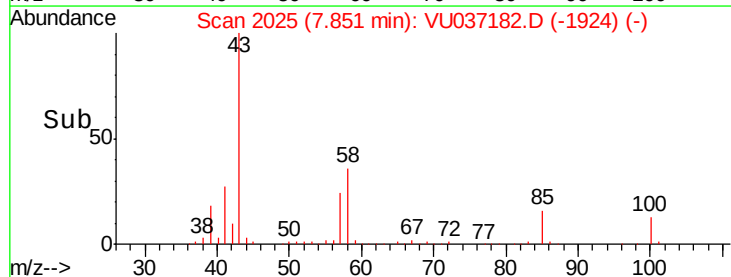
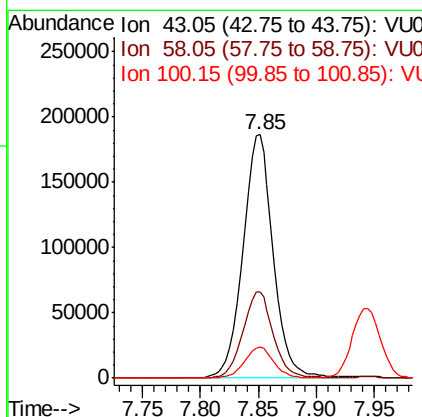
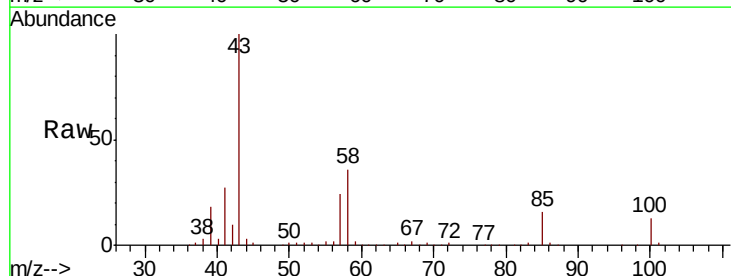
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

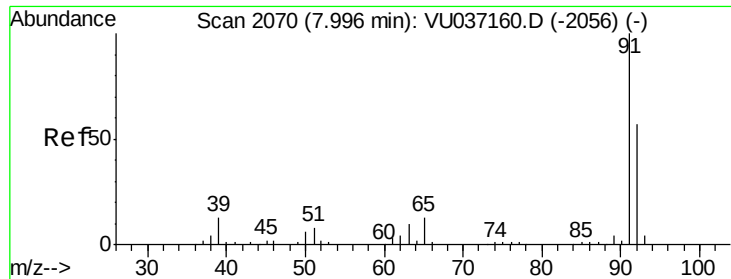
Tot Ion: 75 Resp: 65117
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 53.766 ug/L
 RT: 7.85 min Scan# 2025
 Delta R.T. 0.03 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion: 43 Resp: 337577
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 42.8
 100 12.5 10.2 15.2





#42

Toluene

Concen: 5.587 ug/L

RT: 8.01 min Scan# 2076

Delta R.T. 0.02 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

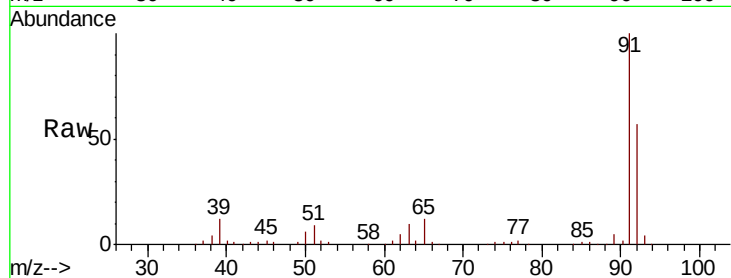
VSTD00507

Tot Ion: 91 Resp: 202263

Ion Ratio Lower Upper

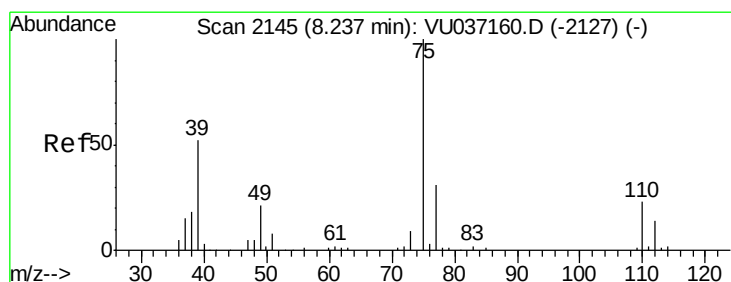
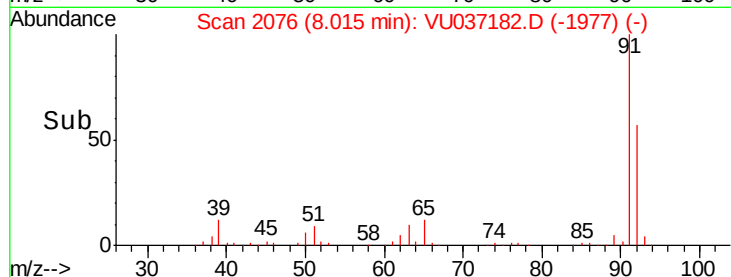
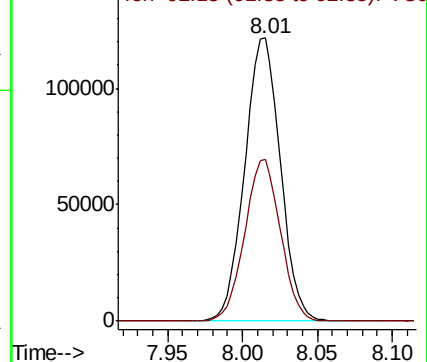
91 100

92 57.3 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.355 ug/L

RT: 8.25 min Scan# 2150

Delta R.T. 0.02 min

Lab File: VU037182.D

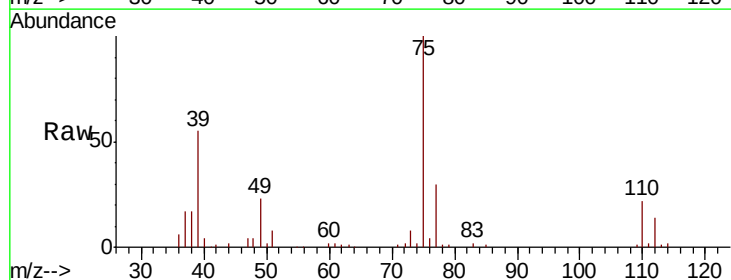
Acq: 11 Mar 2020 21:36

Tgt Ion: 75 Resp: 56896

Ion Ratio Lower Upper

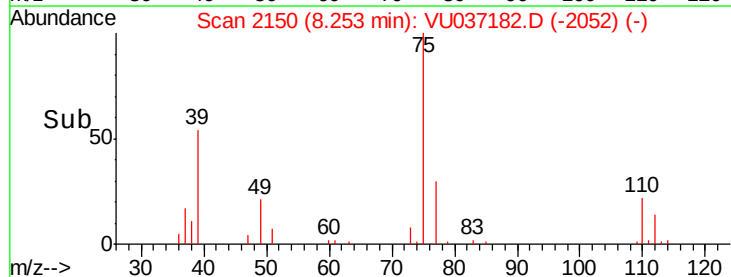
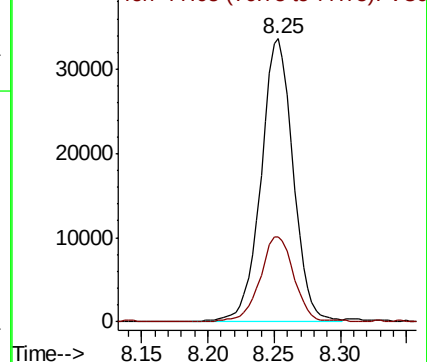
75 100

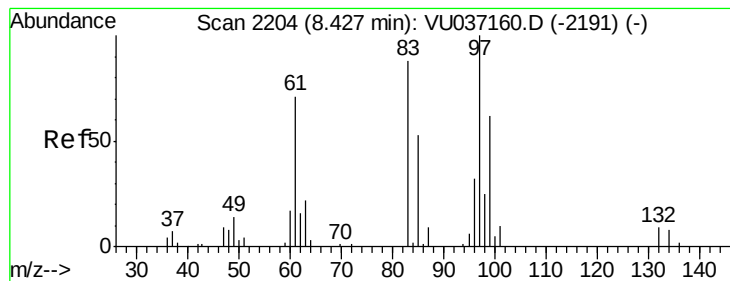
77 30.2 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.252 ug/L

RT: 8.44 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

Tot Ion: 97 Resp: 33625

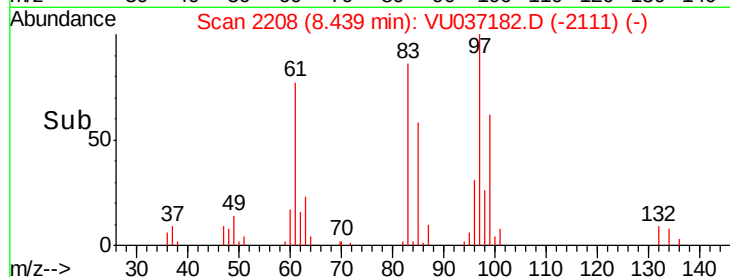
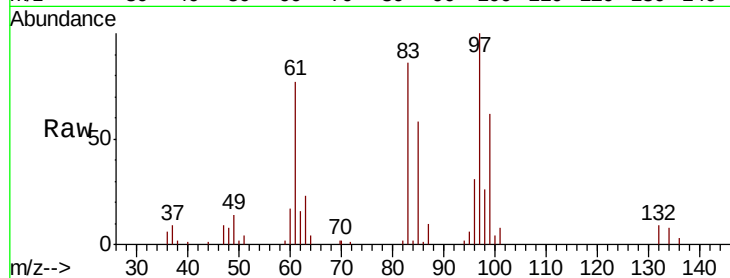
Ion Ratio Lower Upper

97 100

99 61.9 43.6 81.0

83 86.3 60.1 111.7

85 57.7 37.8 70.2

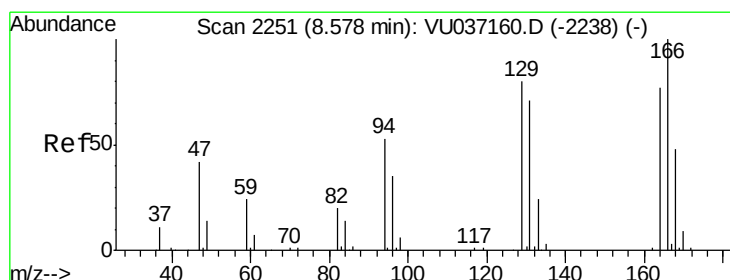
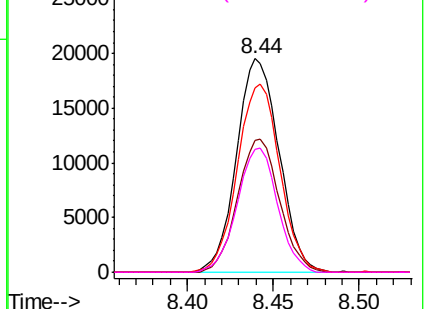


Abundance Ion 96.95 (96.65 to 97.65): VU037160.D (-2191) (-)

Ion 99.05 (98.75 to 99.75): VU037160.D (-2191) (-)

Ion 82.95 (82.65 to 83.65): VU037160.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037160.D (-2191) (-)



#47

Tetrachloroethene

Concen: 4.968 ug/L

RT: 8.59 min Scan# 2255

Delta R.T. 0.01 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Tgt Ion: 164 Resp: 35178

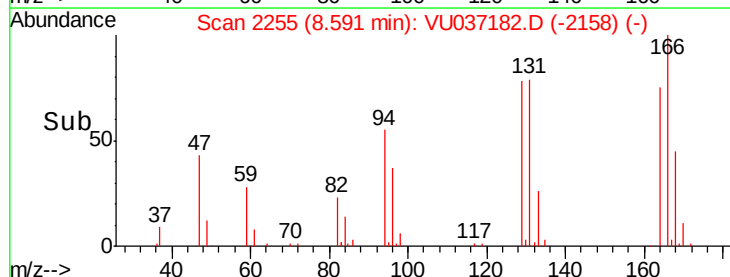
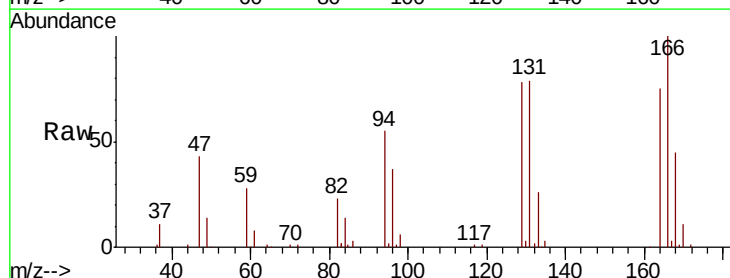
Ion Ratio Lower Upper

164 100

129 105.0 69.8 129.6

131 106.1 66.1 122.8

166 134.0 88.1 163.5

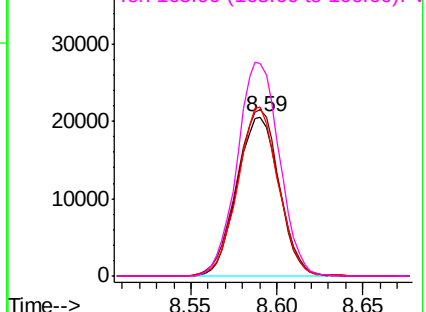


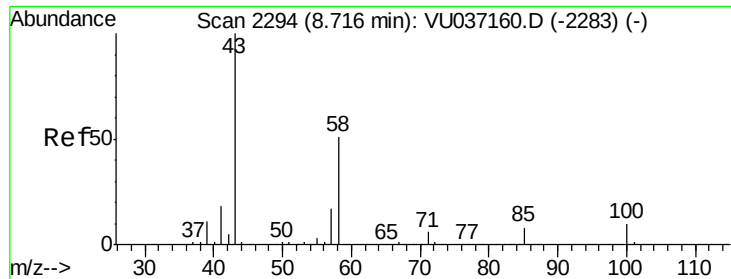
Abundance Ion 163.90 (163.60 to 164.60): VU037160.D (-2238) (-)

Ion 128.95 (128.65 to 129.65): VU037160.D (-2238) (-)

Ion 130.95 (130.65 to 131.65): VU037160.D (-2238) (-)

Ion 165.90 (165.60 to 166.60): VU037160.D (-2238) (-)

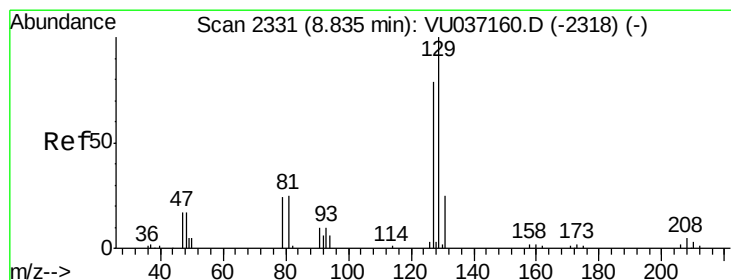
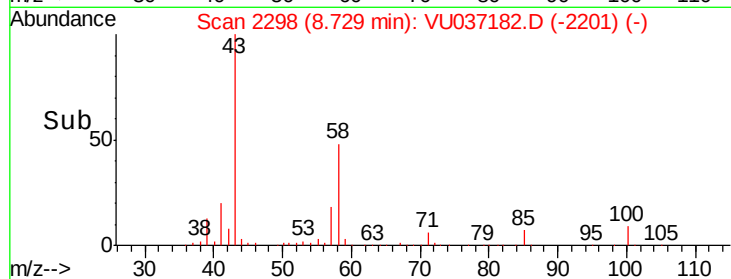
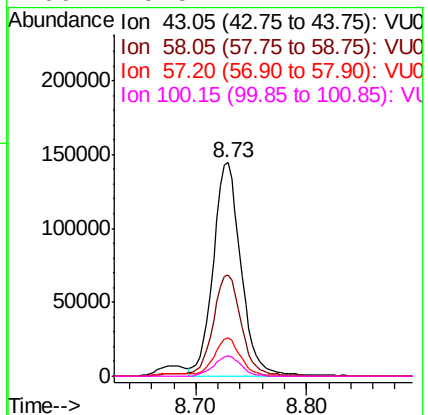
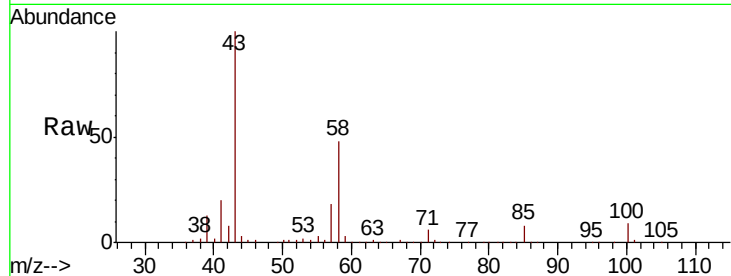




#48
2-Hexanone
Concen: 57.321 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

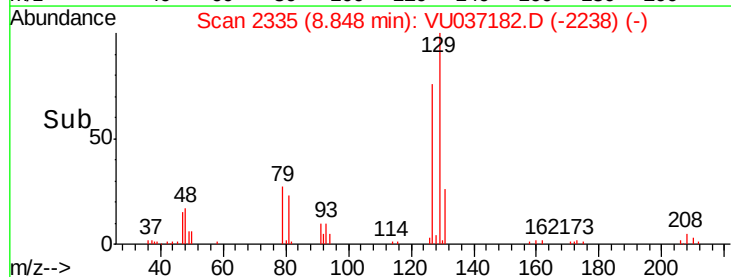
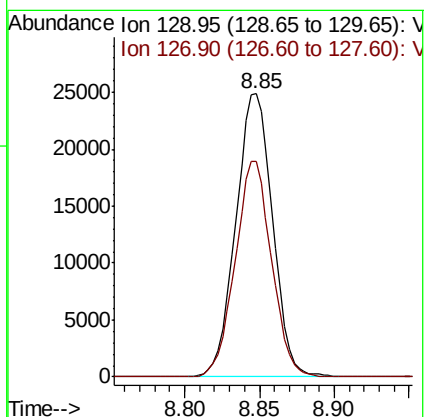
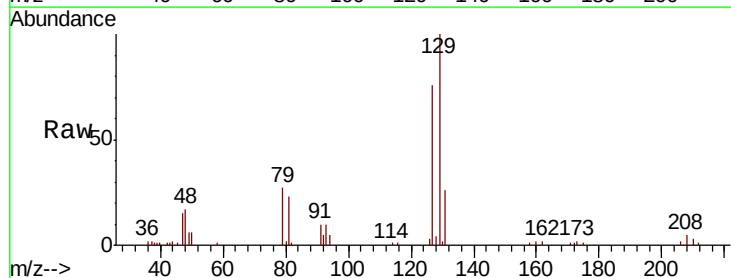
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

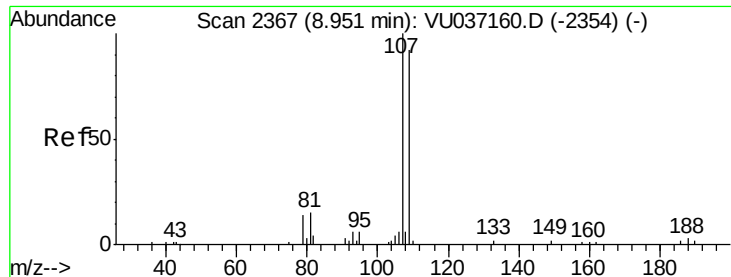
Tot Ion:	43	Resp:	250923
Ion	Ratio	Lower	Upper
43	100		
58	49.8	38.6	58.0
57	17.4	13.6	20.4
100	9.5	7.4	11.2



#49
Dibromochloromethane
Concen: 5.516 ug/L
RT: 8.85 min Scan# 2335
Delta R.T. 0.01 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion:	129	Resp:	42529
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.9	102.1

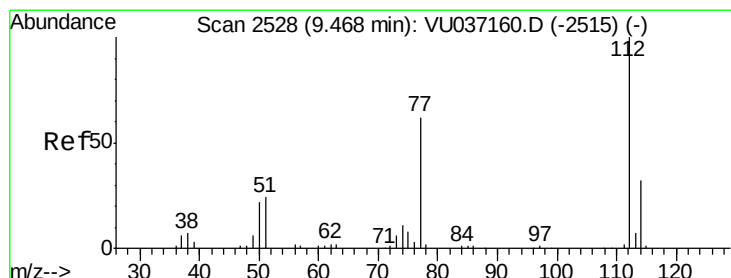
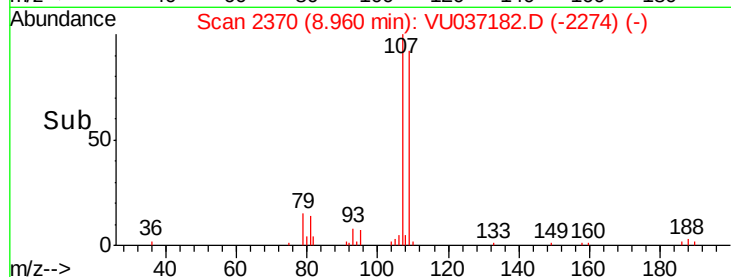
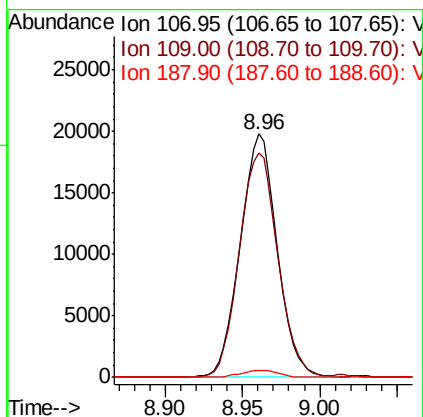
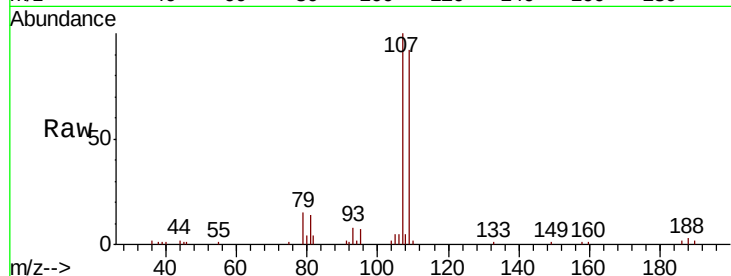




#50
1,2-Dibromoethane
Concen: 5.417 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

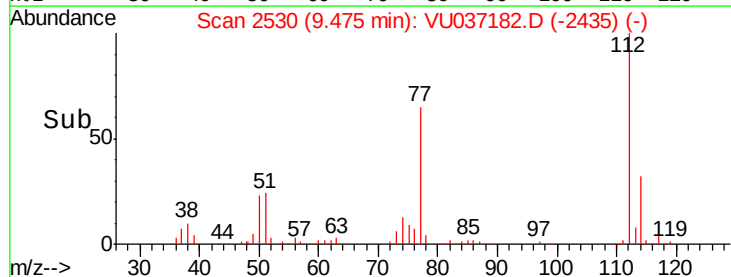
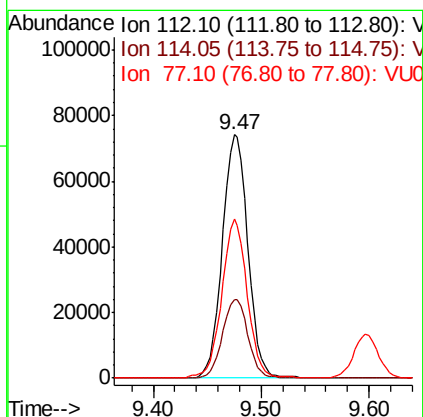
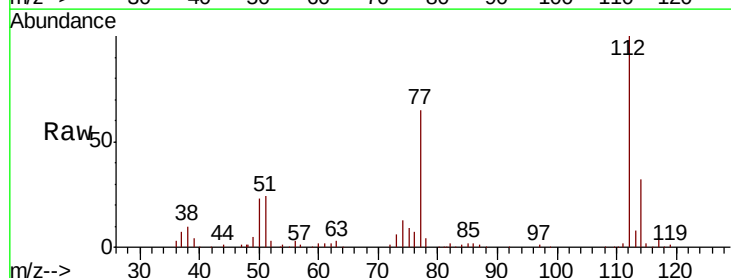
Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

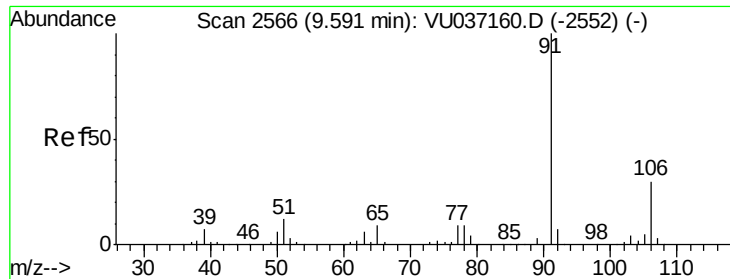
Tot Ion:107 Resp: 32881
Ion Ratio Lower Upper
107 100
109 92.0 68.2 126.6
188 3.0 2.0 3.0#



#51
Chlorobenzene
Concen: 5.248 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.01 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion:112 Resp: 122321
Ion Ratio Lower Upper
112 100
114 32.5 22.0 40.8
77 65.5 49.4 74.2





#52

Ethylbenzene

Concen: 5.321 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.01 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

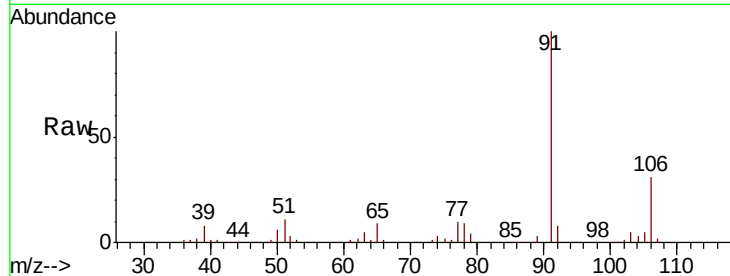
VSTD00507

Tot Ion: 91 Resp: 212962

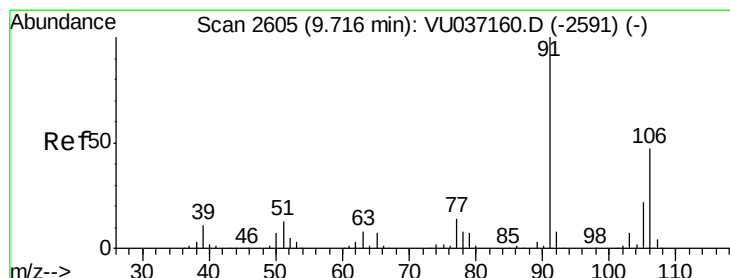
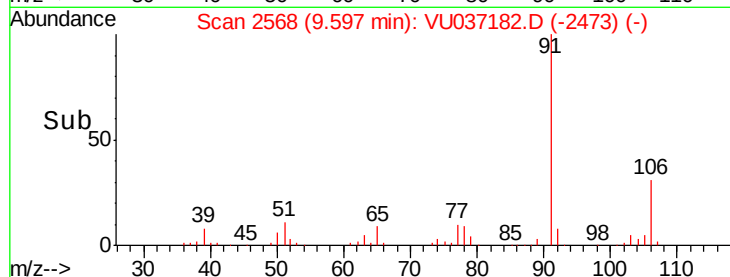
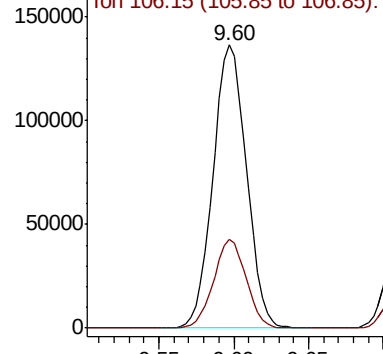
Ion Ratio Lower Upper

91 100

106 31.3 20.4 37.8



Abundance Ion 91.15 (90.85 to 91.85): VU037160.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.545 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU037182.D

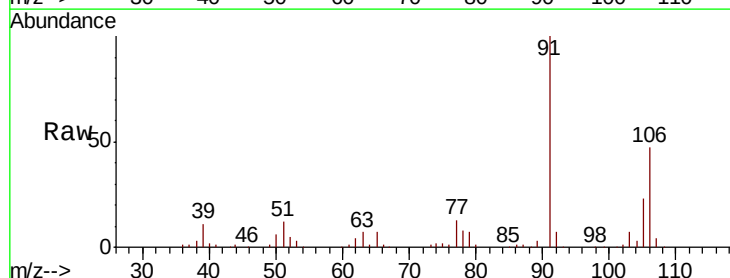
Acq: 11 Mar 2020 21:36

Tgt Ion: 106 Resp: 79779

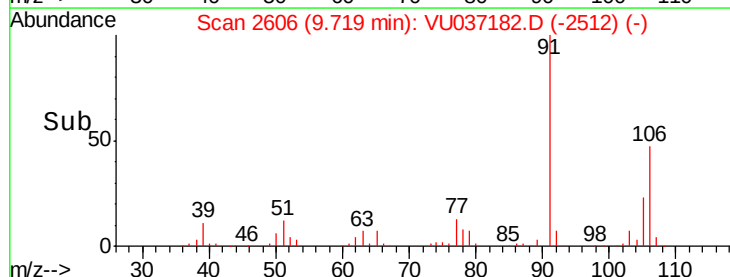
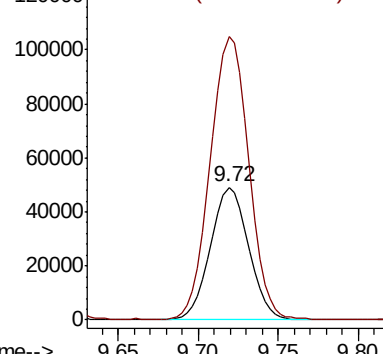
Ion Ratio Lower Upper

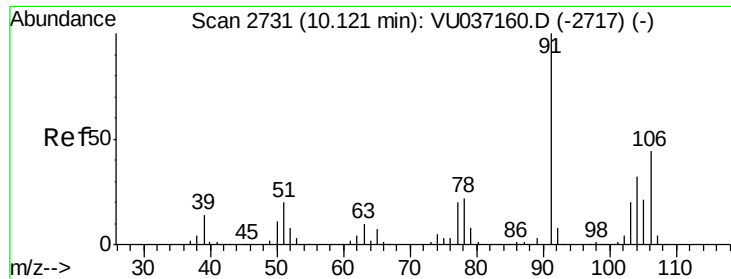
106 100

91 213.7 150.4 279.4



Abundance Ion 106.15 (105.85 to 106.85): VU037182.D (-2512) (-)

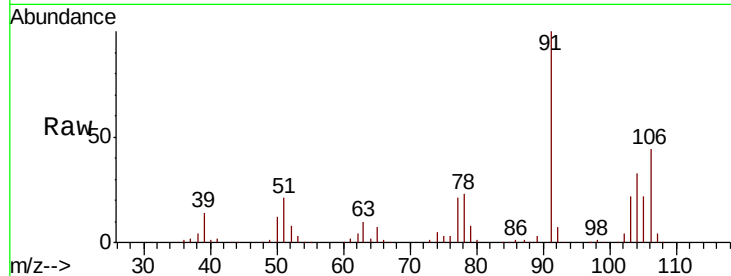




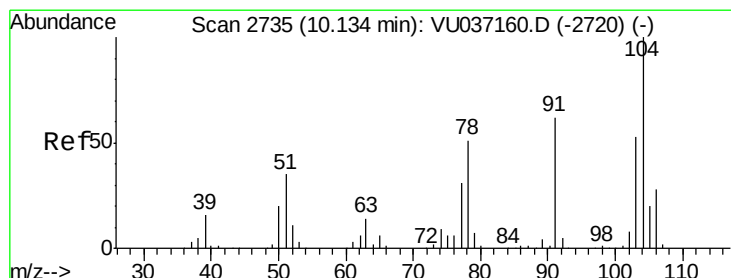
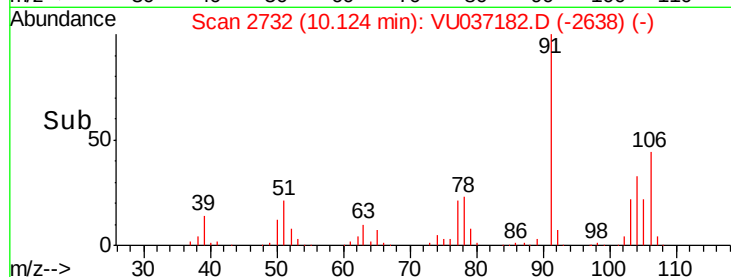
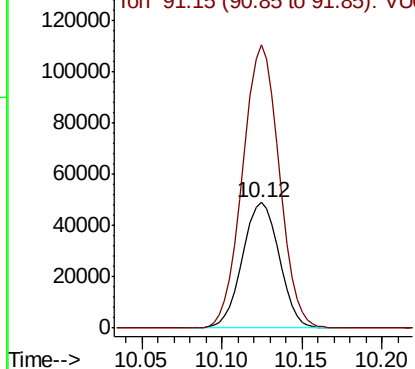
#54
o-Xylene
Concen: 5.504 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00507

Tot Ion:106 Resp: 77214
Ion Ratio Lower Upper
106 100
91 225.1 160.6 298.2

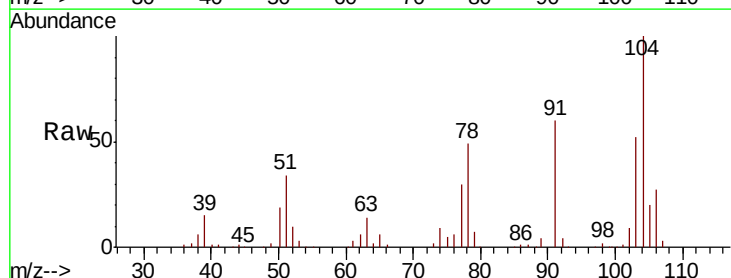


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

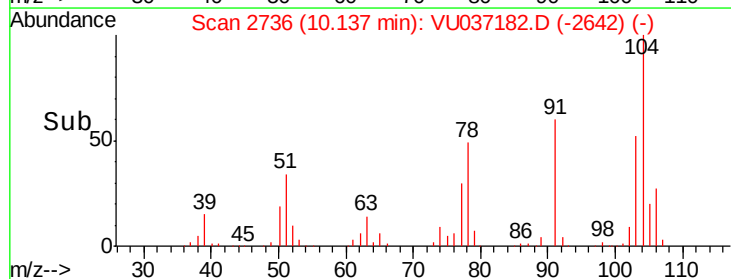
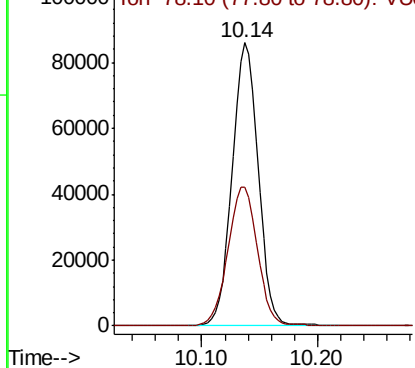


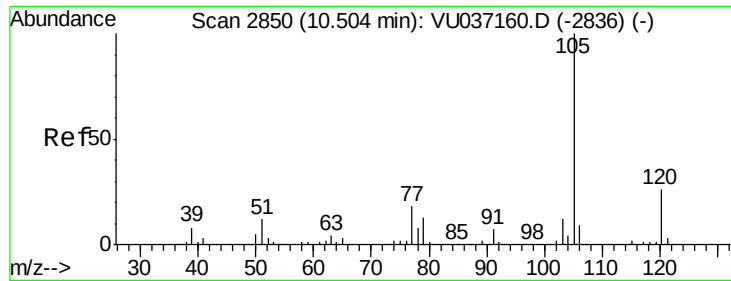
#55
Styrene
Concen: 5.814 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037182.D
Acq: 11 Mar 2020 21:36

Tgt Ion:104 Resp: 133769
Ion Ratio Lower Upper
104 100
78 49.2 36.2 67.2



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





#56

Isopropylbenzene

Concen: 5.530 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

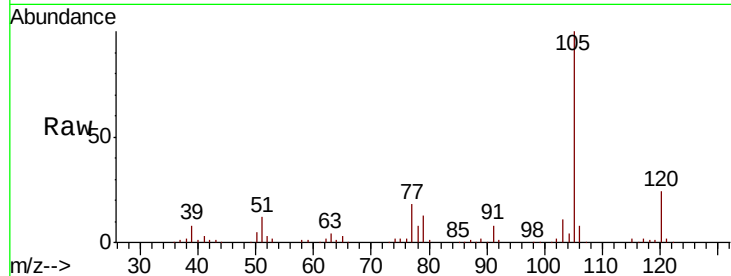
Tot Ion:105 Resp: 208176

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

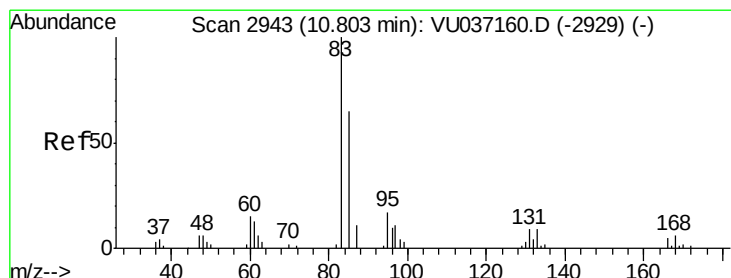
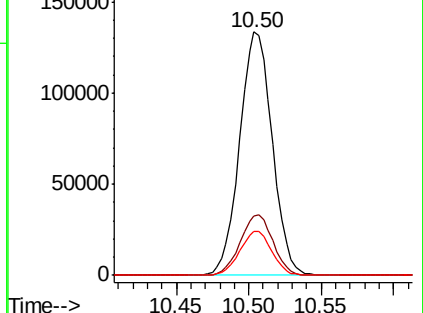
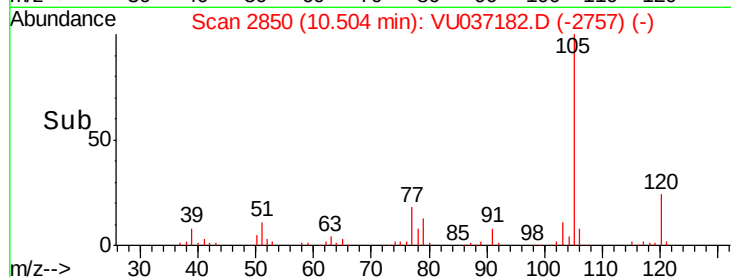
77 17.9 14.2 21.4



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: 5.630 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

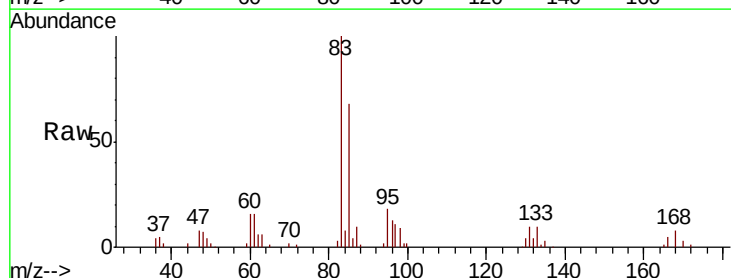
Tgt Ion: 83 Resp: 44504

Ion Ratio Lower Upper

83 100

85 67.5 43.0 80.0

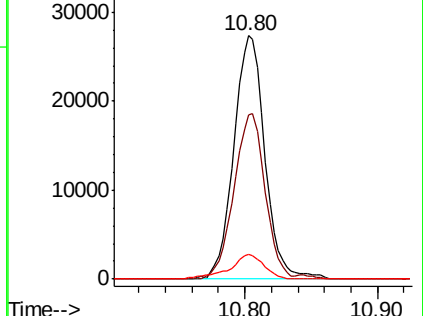
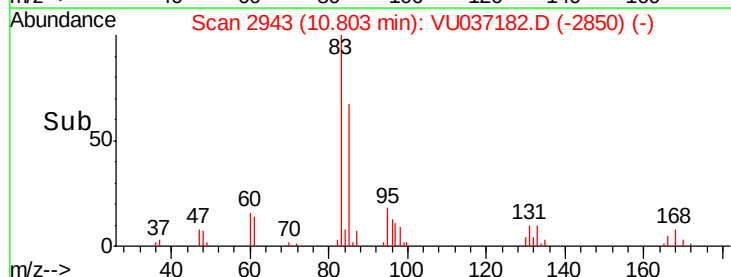
131 10.2 8.2 12.2

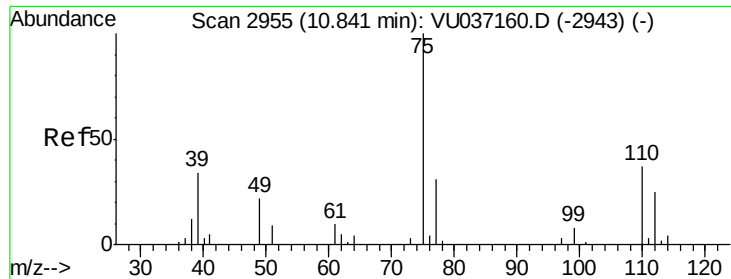


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.123 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

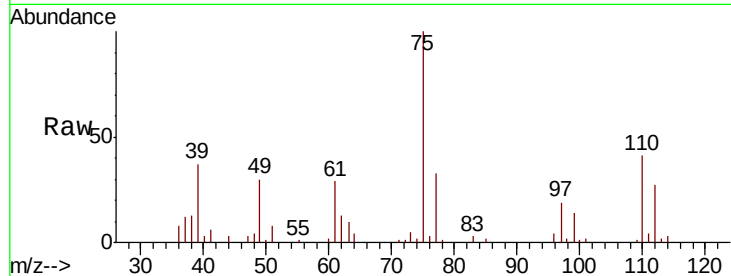
VSTD00507

Tot Ion: 75 Resp: 32523

Ion Ratio Lower Upper

75 100

77 32.8 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU037160.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037160.D (-2943) (-)

10.84

20000

15000

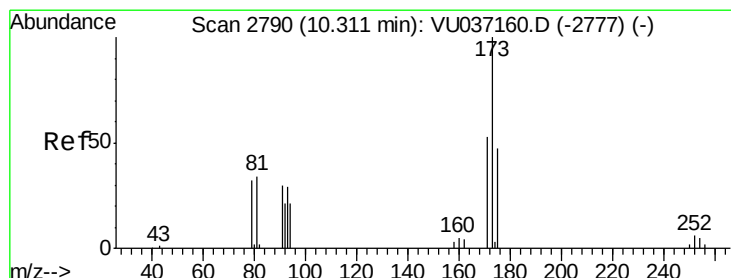
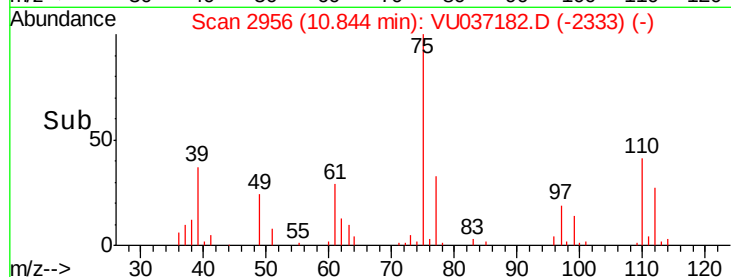
10000

5000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 5.395 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

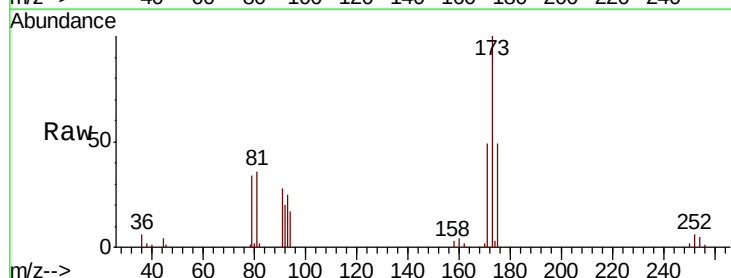
Tgt Ion: 173 Resp: 23488

Ion Ratio Lower Upper

173 100

175 48.2 37.4 56.2

254 4.5 3.5 5.3



Abundance Ion 172.90 (172.60 to 173.60): VU037160.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037160.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037160.D (-2777) (-)

10.31

20000

15000

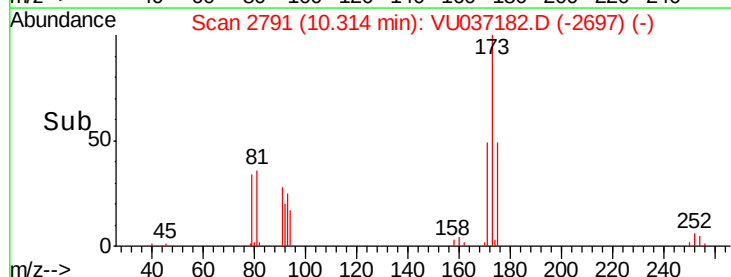
10000

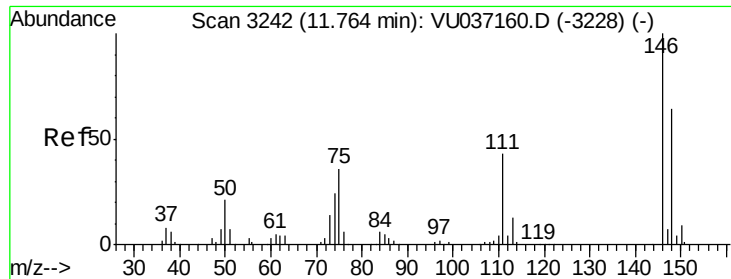
5000

0

10.25 10.30 10.35

Time-->

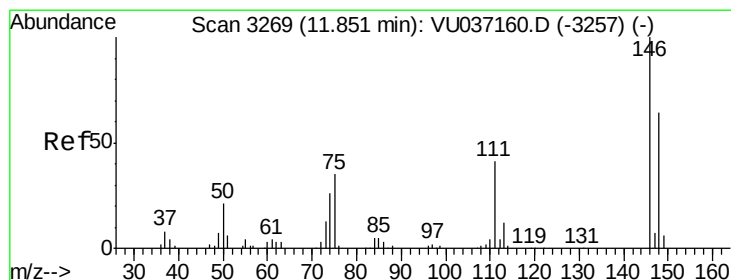
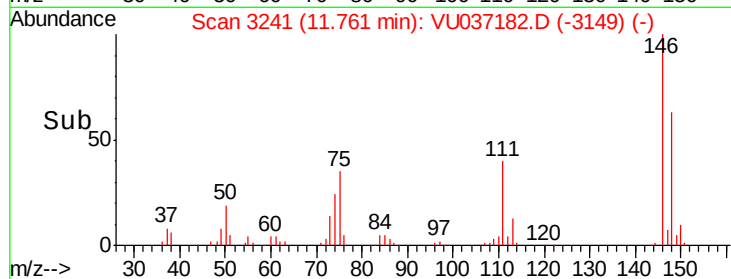
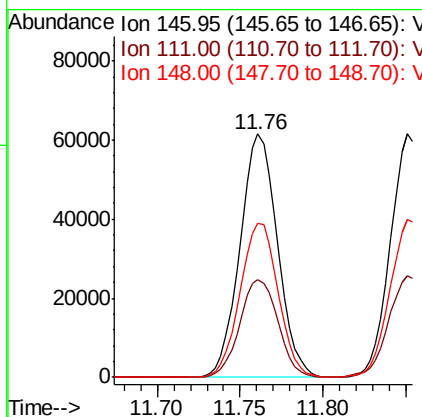
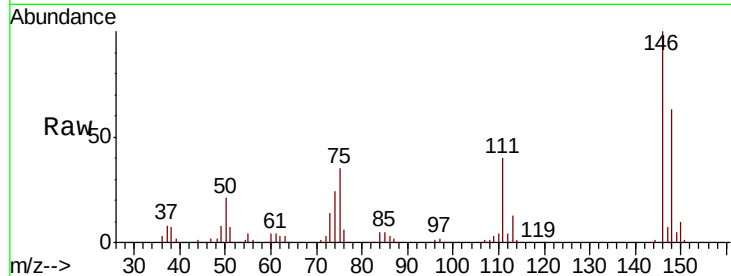




#62
 1,3-Dichlorobenzene
 Concen: 5.181 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

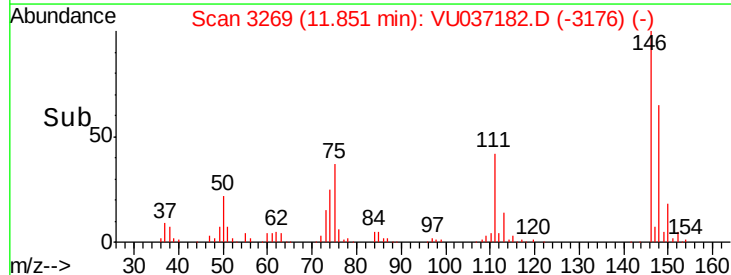
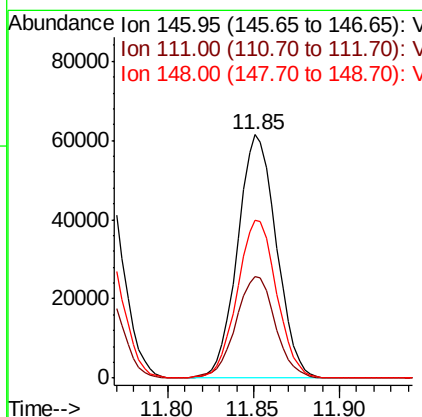
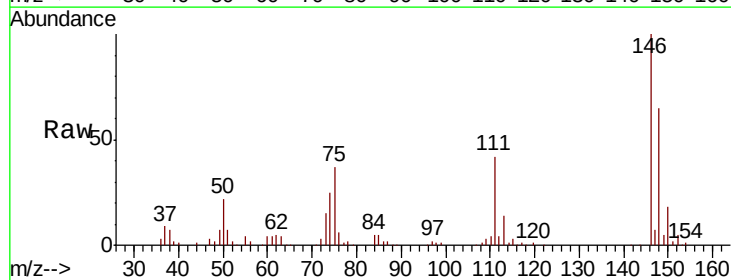
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

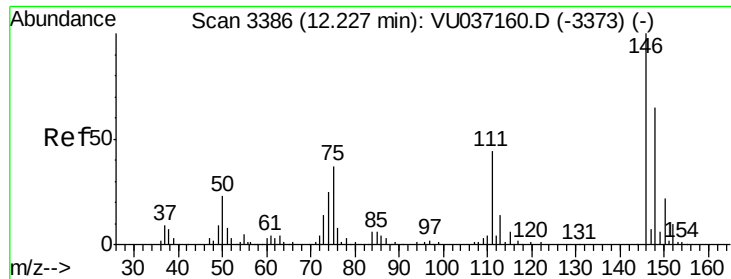
Tot Ion:146 Resp: 96872
 Ion Ratio Lower Upper
 146 100
 111 40.2 30.6 56.8
 148 63.4 46.2 85.8



#63
 1,4-Dichlorobenzene
 Concen: 5.172 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion:146 Resp: 96039
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.4 52.8
 148 65.0 44.9 83.5

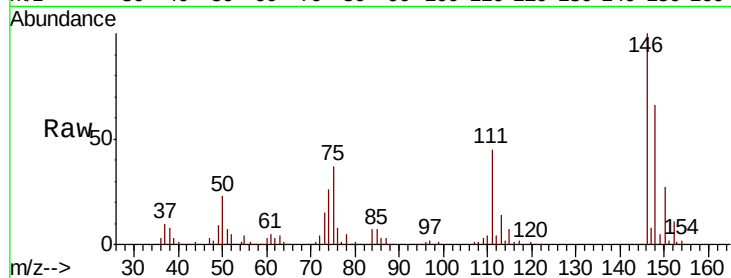




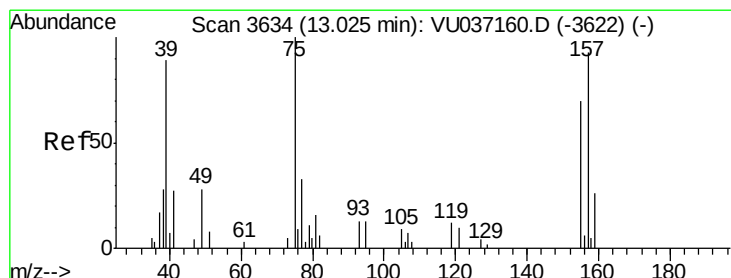
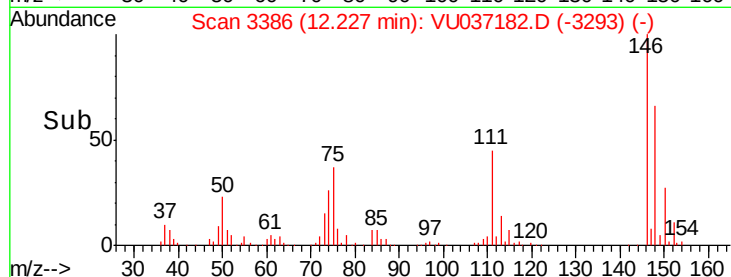
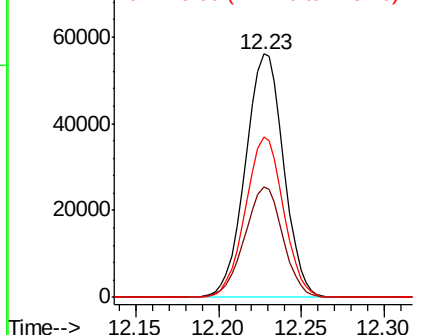
#65
 1,2-Dichlorobenzene
 Concen: 5.054 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tot Ion:146 Resp: 89588
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.5 53.3
 148 65.8 51.4 77.2

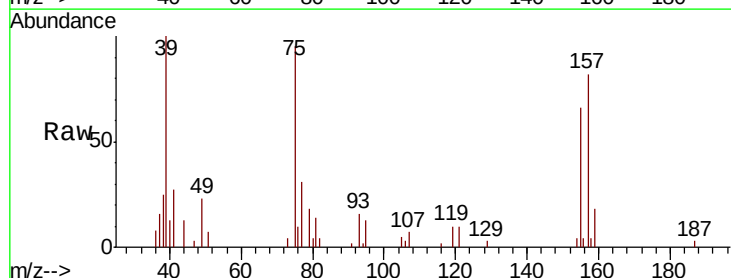


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

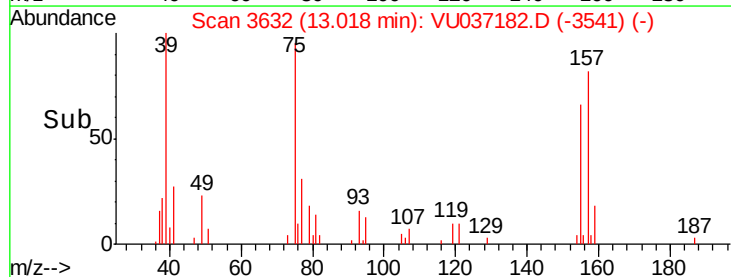
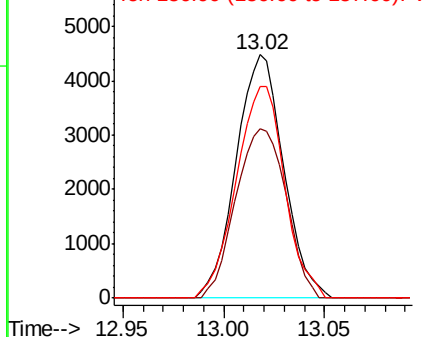


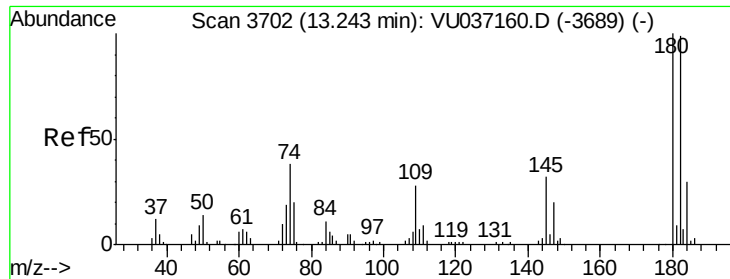
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.430 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.01 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion: 75 Resp: 7390
 Ion Ratio Lower Upper
 75 100
 155 69.4 55.5 83.3
 157 87.1 73.1 109.7



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

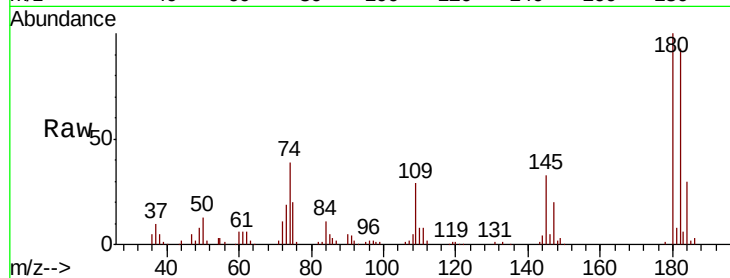




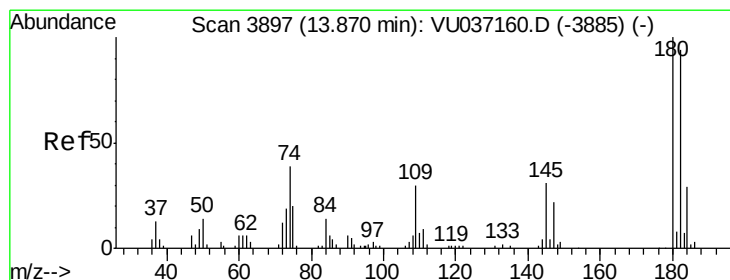
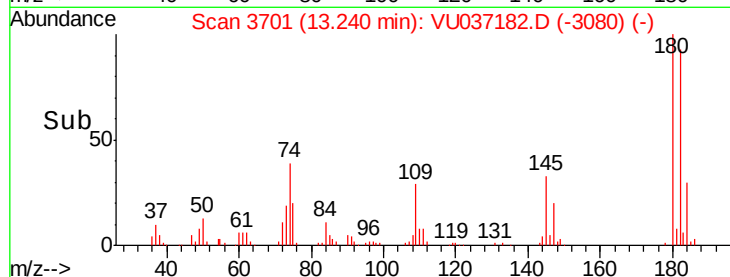
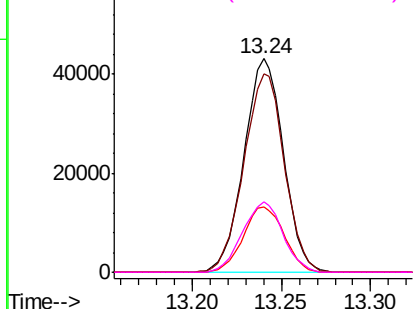
#67
 1,3,5-Trichlorobenzene
 Concen: 5.198 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00507

Tot Ion:180 Resp: 66529
 Ion Ratio Lower Upper
 180 100
 182 95.1 73.6 110.4
 184 31.6 24.1 36.1
 145 33.7 26.3 39.5

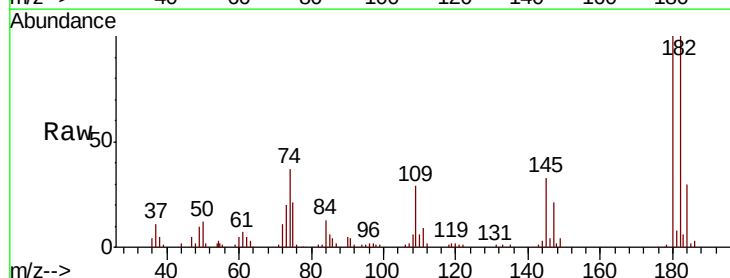


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

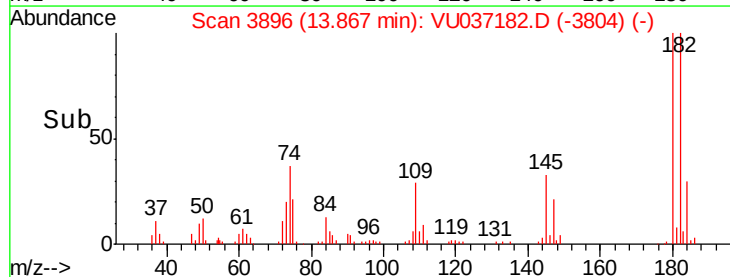
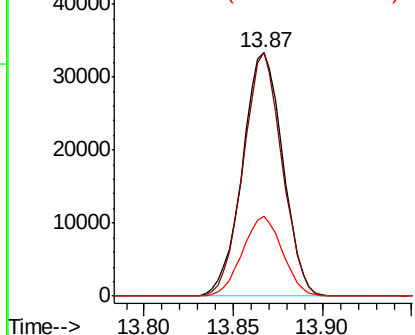


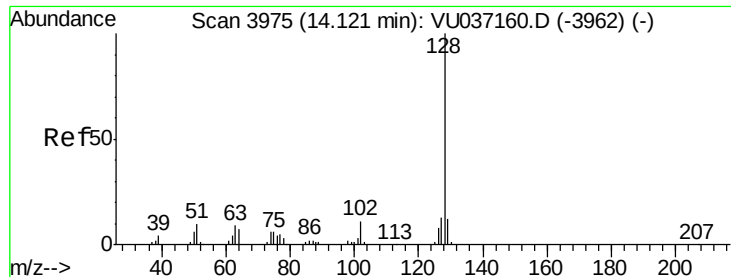
#68
 1,2,4-trichlorobenzene
 Concen: 6.059 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037182.D
 Acq: 11 Mar 2020 21:36

Tgt Ion:180 Resp: 52587
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 145 32.5 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 7.619 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00507

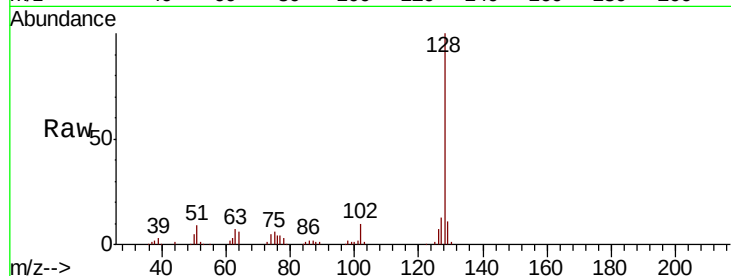
Tot Ion:128 Resp: 94459

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

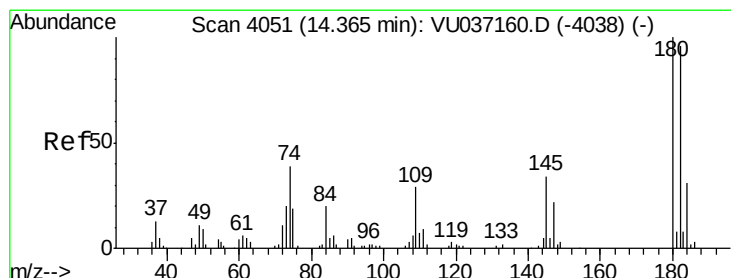
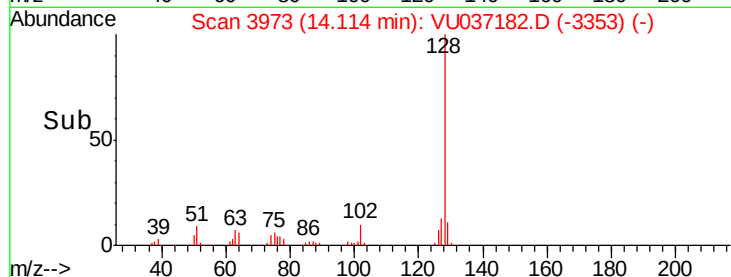
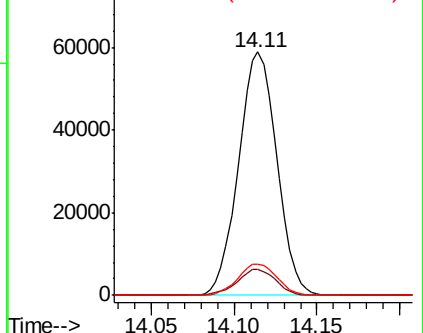
127 13.2 10.6 16.0



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: 6.492 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU037182.D

Acq: 11 Mar 2020 21:36

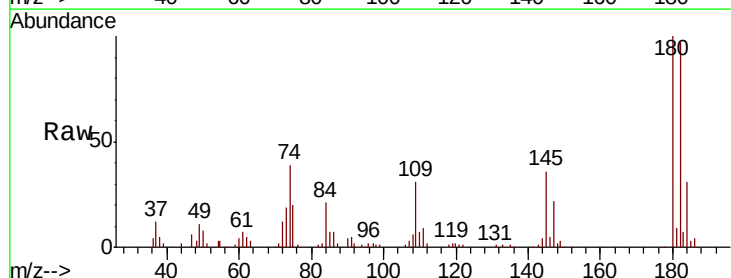
Tgt Ion:180 Resp: 52869

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 35.3 28.2 42.4



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

