

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
 Data File : VU030533.D
 Acq On : 29 Mar 2019 09:54
 Operator : JC/SP
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Quant Time: Mar 30 00:09:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 30 00:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	246194	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	239247	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114636	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98357	5.23	ug/L	0.00
7) Chloroethane-d5	1.68	69	80833	5.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	201114	5.22	ug/L	0.00
20) 2-Butanone-d5	4.22	46	263300	54.31	ug/L	0.00
24) Chloroform-d	4.65	84	166538	5.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	87355	5.16	ug/L	0.00
32) Benzene-d6	5.34	84	328674	5.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	110708	5.24	ug/L	0.00
41) Toluene-d8	7.56	98	301915	5.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	39233	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	192632	56.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	81567	5.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	95230	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	142502	5.196	ug/L 100
3) Chloromethane	1.33	50	161910	5.036	ug/L 100
5) Vinyl chloride	1.40	62	155711	5.286	ug/L 100
6) Bromomethane	1.63	94	73109	5.073	ug/L 100
8) Chloroethane	1.70	64	86668	5.172	ug/L 100
9) Trichlorofluoromethane	1.89	101	175632	5.260	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	98397	5.299	ug/L 100
12) 1,1-Dichloroethene	2.28	96	93527	5.206	ug/L 100
13) Acetone	2.36	43	198320	51.907	ug/L 100
14) Carbon disulfide	2.48	76	324442	5.150	ug/L 100
15) Methyl Acetate	2.63	43	53487	5.524	ug/L 100
16) Methylene chloride	2.70	84	103609	4.947	ug/L 100
17) Methyl tert-butyl Ether	3.01	73	252895	5.259	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	97928	5.164	ug/L 100
19) 1,1-Dichloroethane	3.44	63	208829	5.206	ug/L 100
21) 2-Butanone	4.30	43	327050	54.351	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	104060	5.145	ug/L 100
23) Bromochloromethane	4.54	128	44292	5.482	ug/L 100
25) Chloroform	4.67	83	189834	5.191	ug/L 100
27) 1,2-Dichloroethane	5.41	62	122080	5.145	ug/L 100
29) 1,1,1-Trichloroethane	4.91	97	156063	5.120	ug/L 100
30) Cyclohexane	4.99	56	188377	5.120	ug/L 100
31) Carbon tetrachloride	5.13	117	135332	5.289	ug/L 100
33) Benzene	5.39	78	427124	5.277	ug/L 100
34) Trichloroethene	6.18	95	106477	5.256	ug/L 100
35) Methylcyclohexane	6.41	83	171065	5.291	ug/L 100
37) 1,2-Dichloropropane	6.43	63	114626	5.147	ug/L 100
38) Bromodichloromethane	6.76	83	134564	5.174	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	156358	5.249	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	758513	54.593	ug/L 100

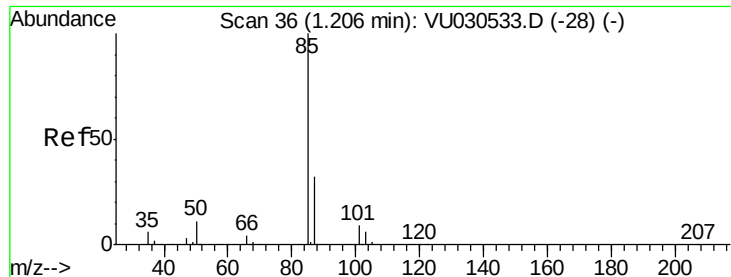
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	436850	5.382	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	122455	5.311	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	69561	5.238	ug/L	100
47) Tetrachloroethene	8.22	164	75067	5.282	ug/L	100
48) 2-Hexanone	8.36	43	536238	55.701	ug/L	100
49) Dibromochloromethane	8.47	129	83601	5.264	ug/L	100
50) 1,2-Dibromoethane	8.59	107	67012	5.413	ug/L	100
51) Chlorobenzene	9.12	112	258263	5.160	ug/L	100
52) Ethylbenzene	9.25	91	462472	5.342	ug/L	100
53) m,p-Xylene	9.37	106	164674	5.446	ug/L	100
54) o-Xylene	9.77	106	162209	5.470	ug/L	100
55) Styrene	9.79	104	279955	5.596	ug/L	100
56) Isopropylbenzene	10.16	105	430944	5.440	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	93374	5.288	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	65643	5.275	ug/L	100
61) Bromoform	9.95	173	45602	5.253	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	182514	5.046	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	187236	4.938	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	175784	4.994	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	14015	5.146	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	139686	5.176	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	111437	5.346	ug/L	100
69) Naphthalene	13.74	128	178118	5.321	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	104037	5.356	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.196 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

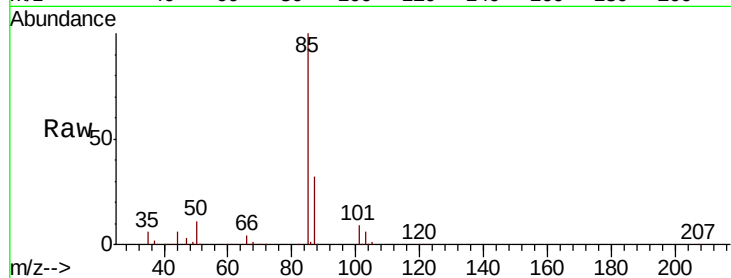
VSTD00503

Tot Ion: 85 Resp: 142502

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030533.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030533.D (-28) (-)

1.21

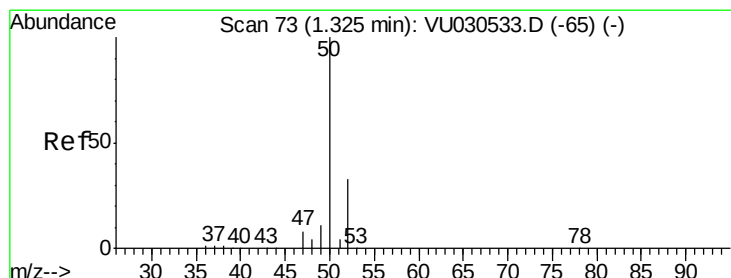
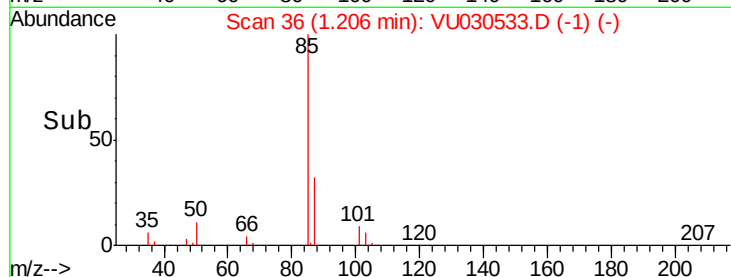
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.036 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030533.D

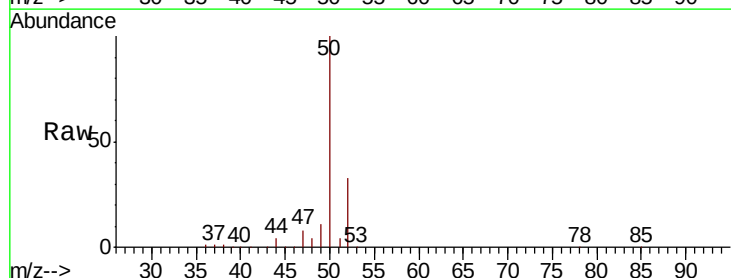
Acq: 29 Mar 2019 09:54

Tgt Ion: 50 Resp: 161910

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030533.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030533.D (-65) (-)

1.33

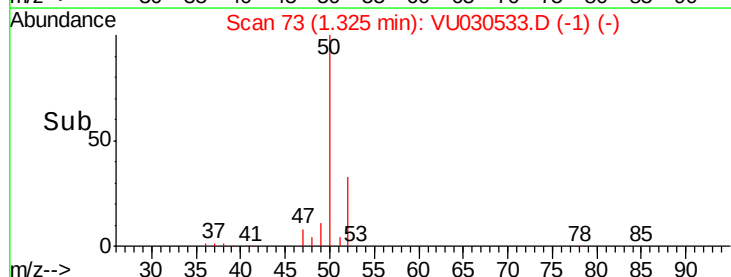
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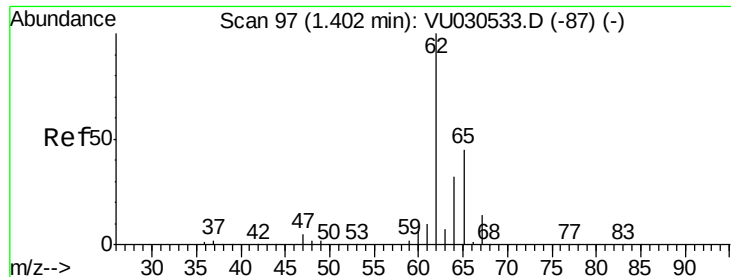
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50000

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Time-->





#5

Vinyl chloride

Concen: 5.286 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

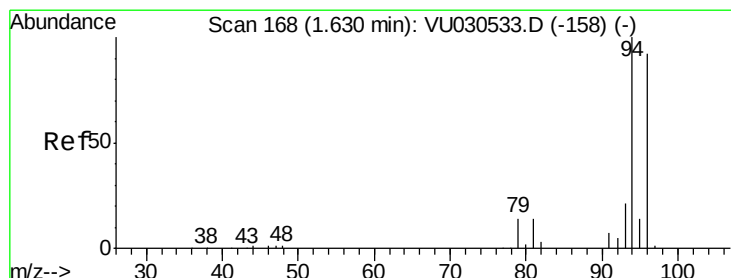
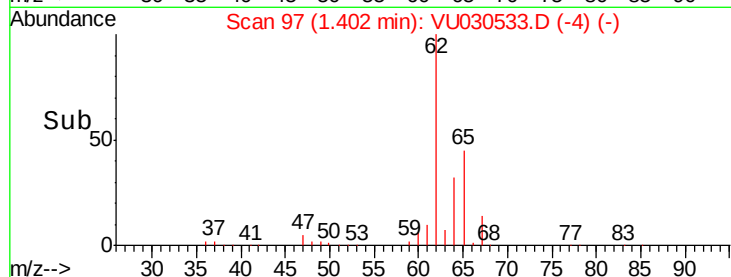
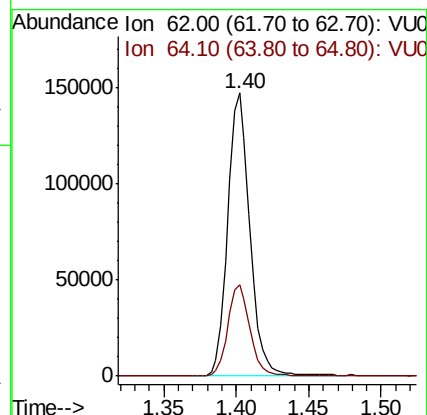
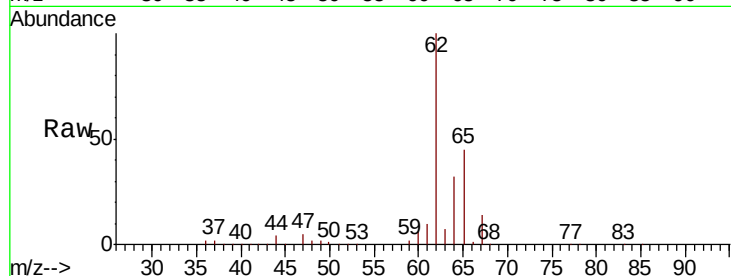
VSTD00503

Tot Ion: 62 Resp: 155711

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.9



#6

Bromomethane

Concen: 5.073 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU030533.D

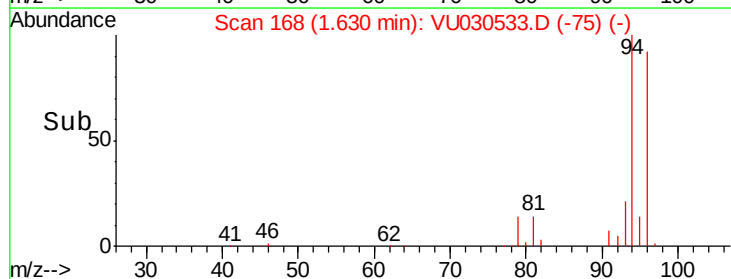
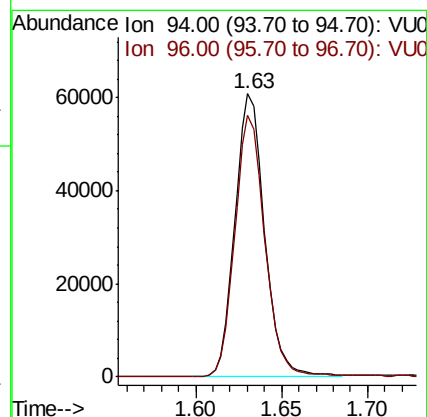
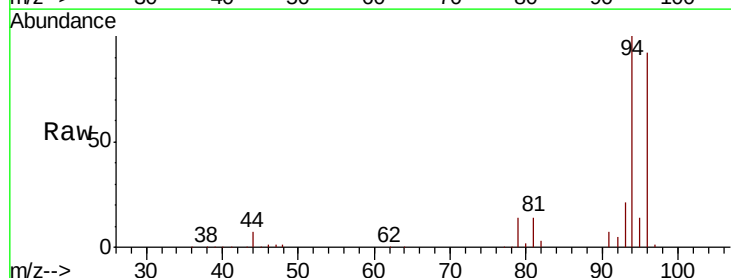
Acq: 29 Mar 2019 09:54

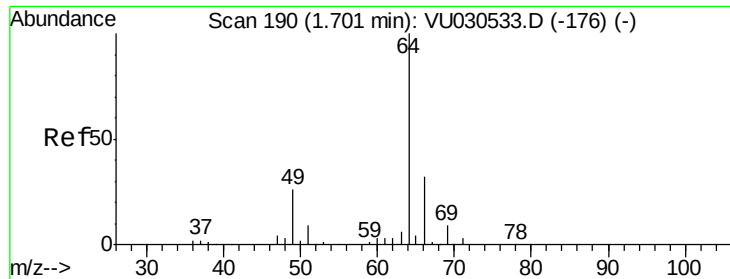
Tgt Ion: 94 Resp: 73109

Ion Ratio Lower Upper

94 100

96 92.3 64.6 120.0

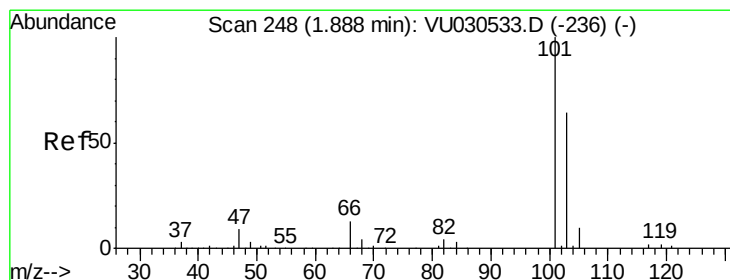
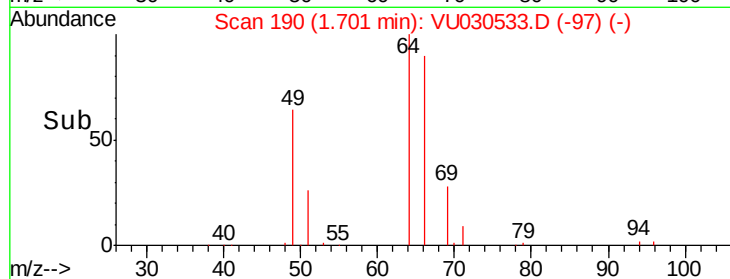
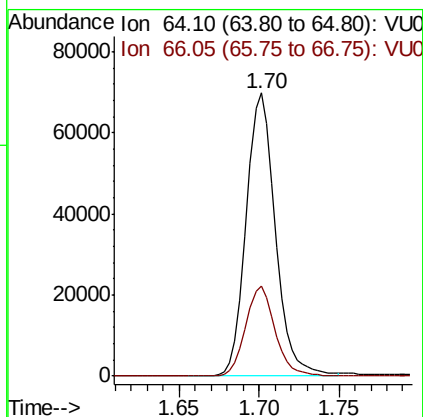
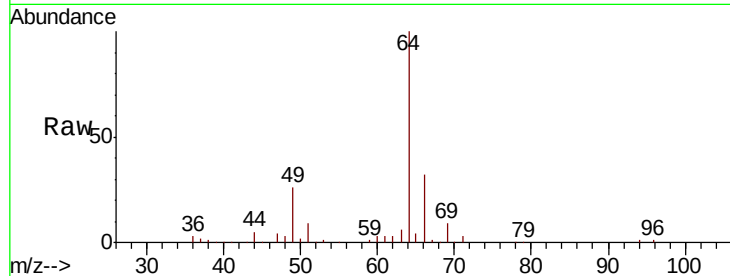




#8
Chloroethane
Concen: 5.172 ug/L
RT: 1.70 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

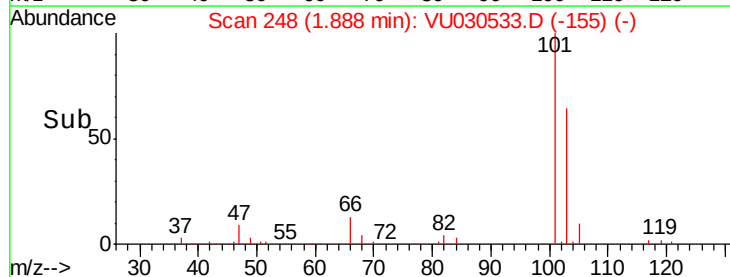
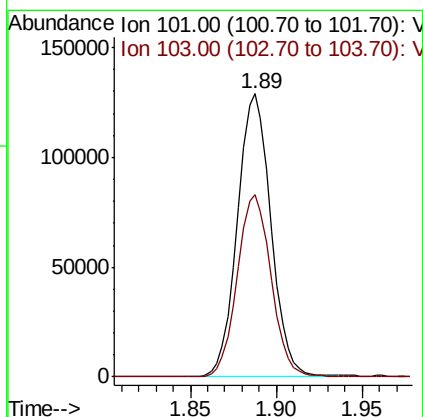
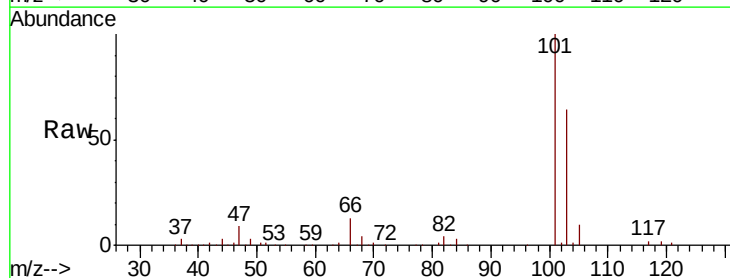
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

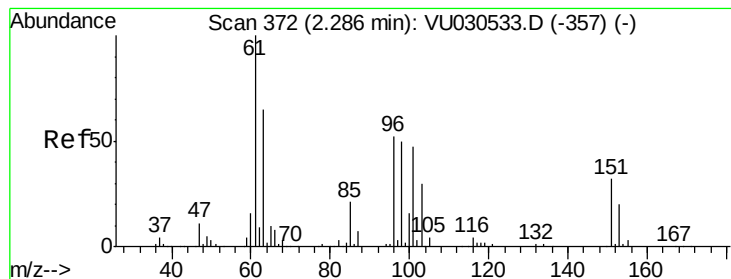
Tot Ion: 64 Resp: 86668
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.260 ug/L
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 101 Resp: 175632
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

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

Concen: 5.299 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

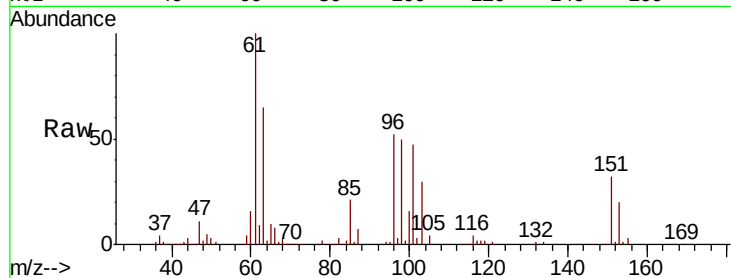
Tot Ion:101 Resp: 98397

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

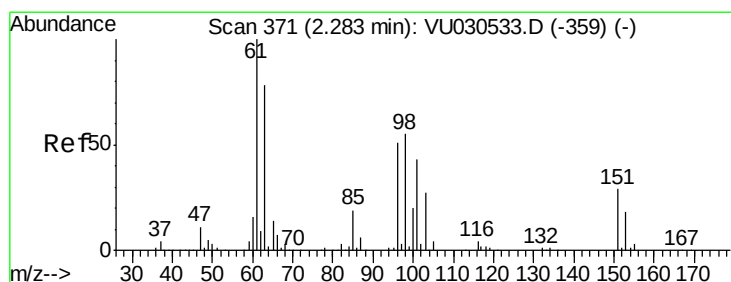
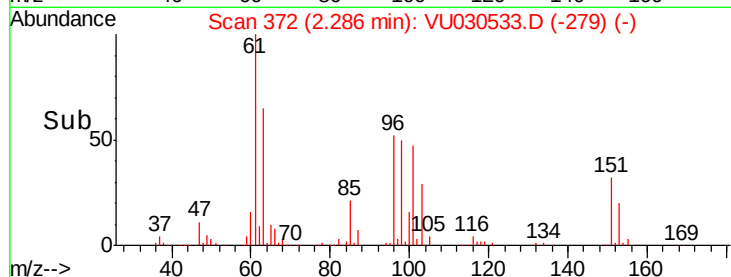
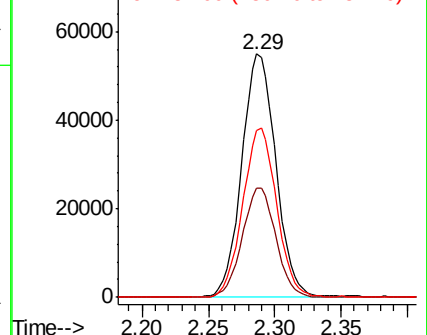
151 69.0 55.2 82.8



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: 5.206 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

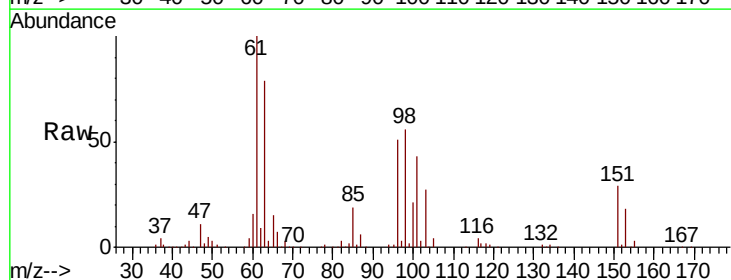
Tgt Ion: 96 Resp: 93527

Ion Ratio Lower Upper

96 100

61 195.6 136.9 254.3

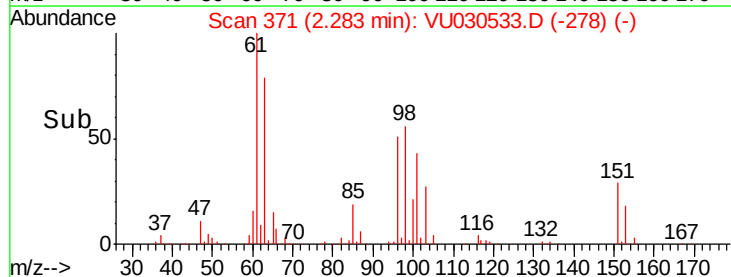
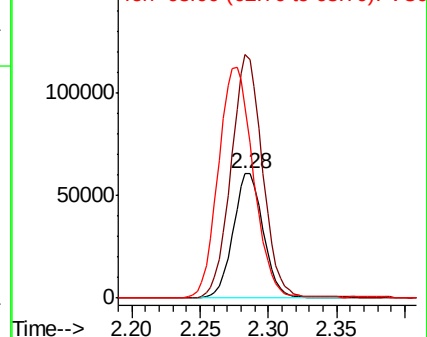
63 153.9 107.7 200.1

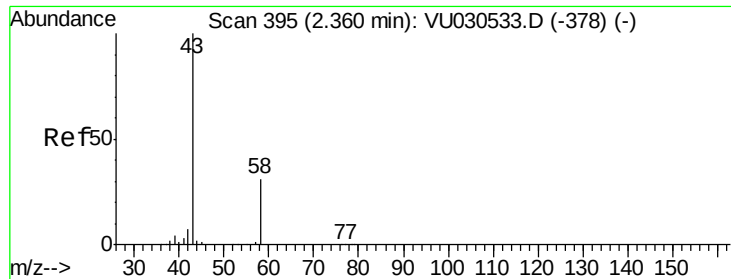


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.907 ug/L

RT: 2.36 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

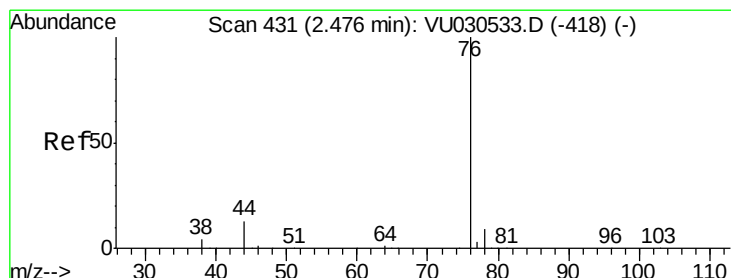
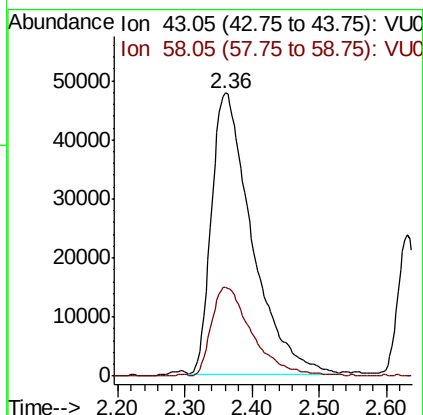
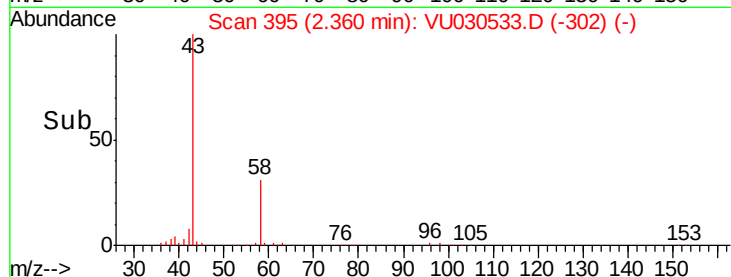
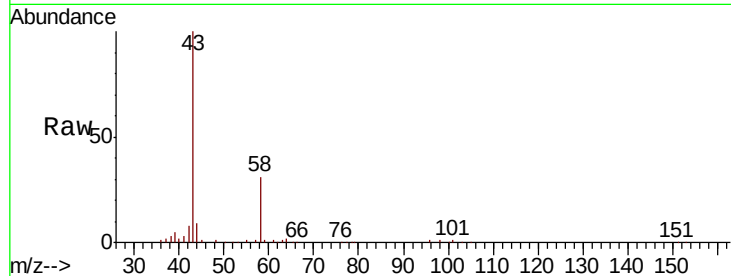
Instrument :
MSVOA_U
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VSTD00503

Tot Ion: 43 Resp: 198320

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



#14

Carbon disulfide

Concen: 5.150 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030533.D

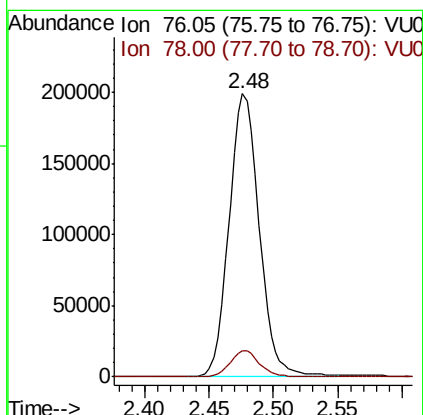
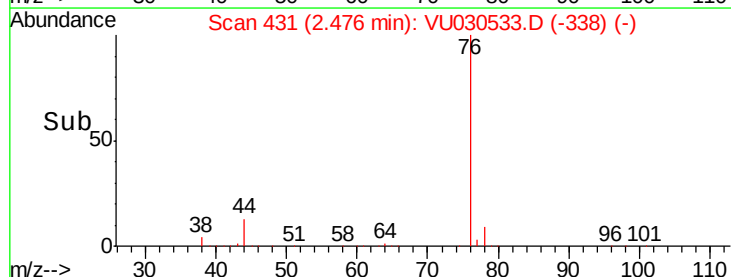
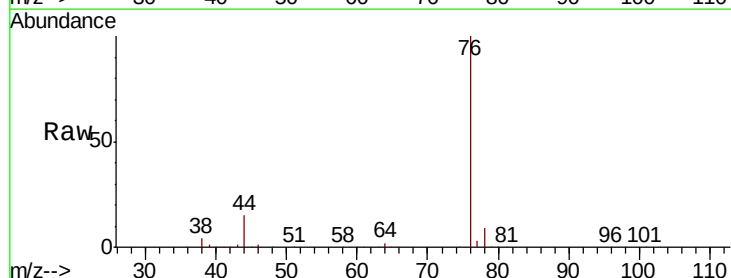
Acq: 29 Mar 2019 09:54

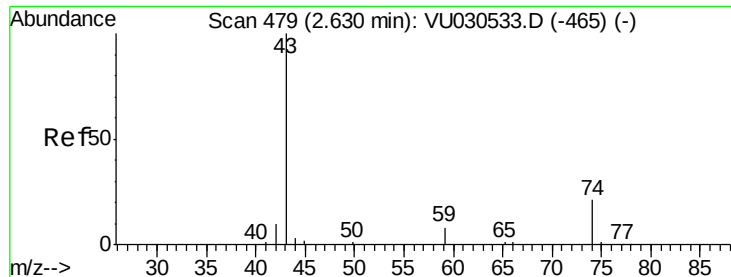
Tgt Ion: 76 Resp: 324442

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

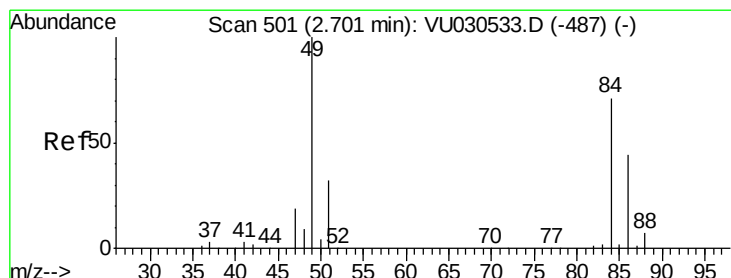
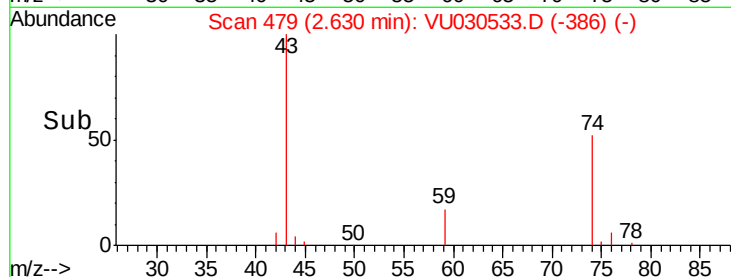
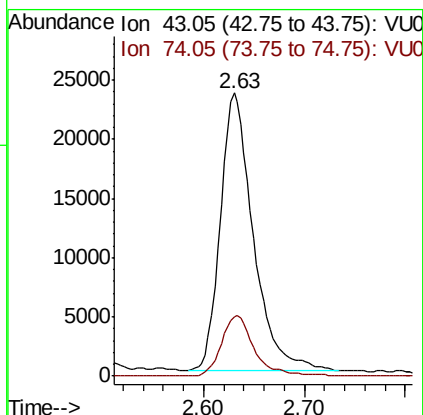
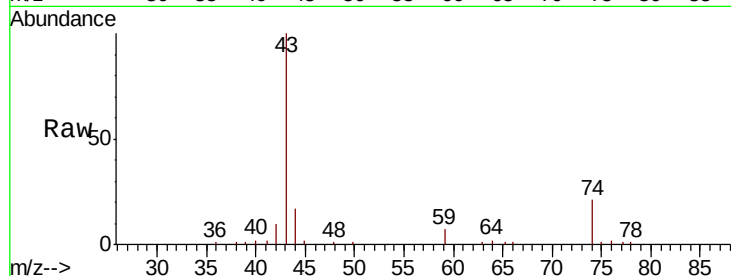




#15
Methvl Acetate
Concen: 5.524 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

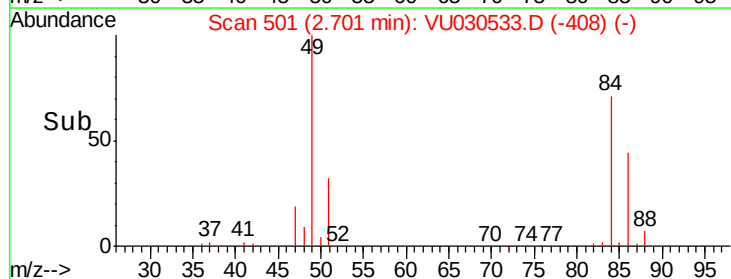
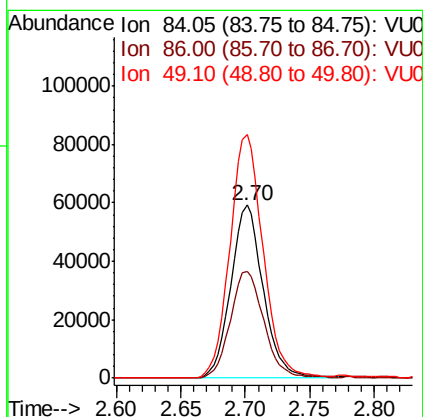
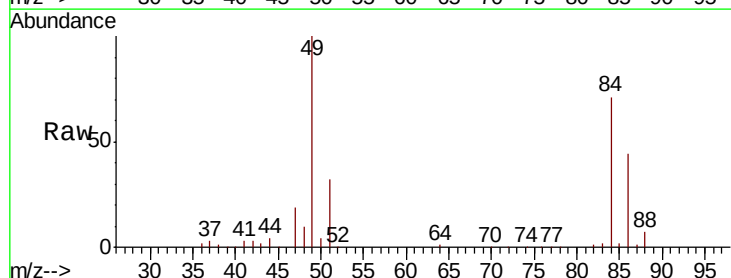
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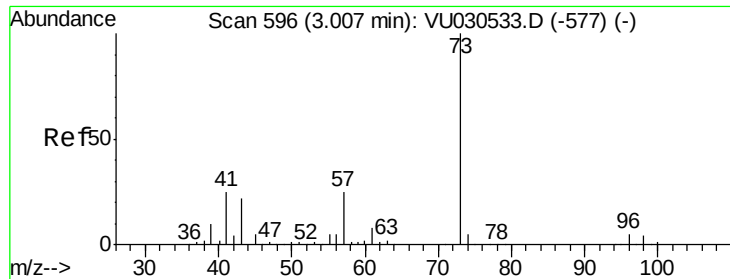
Tot Ion: 43 Resp: 53487
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7



#16
Methylene chloride
Concen: 4.947 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 84 Resp: 103609
Ion Ratio Lower Upper
84 100
86 62.0 43.4 80.6
49 140.7 98.5 182.9

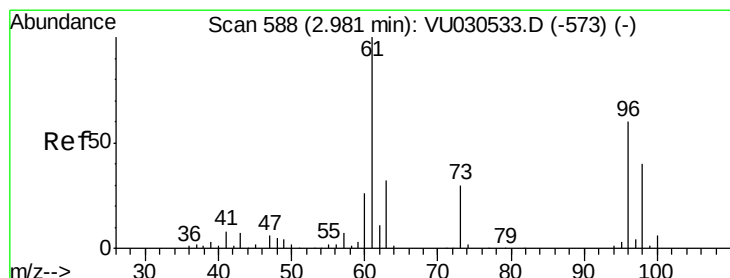
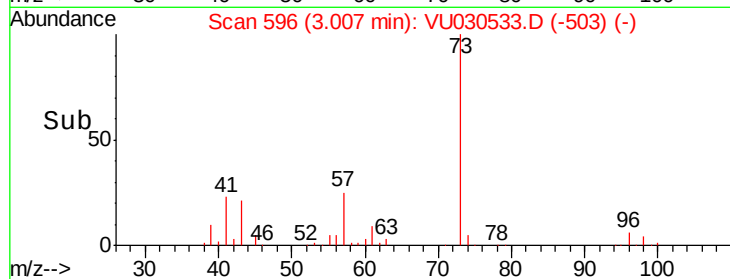
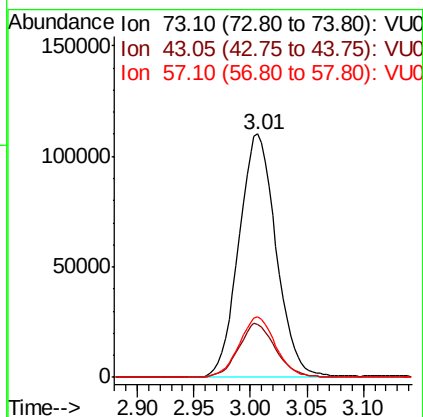
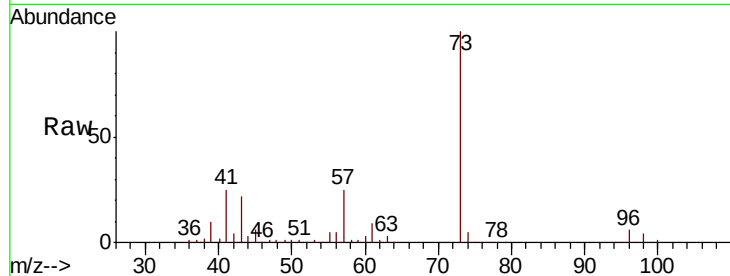




#17
Methyl tert-butyl Ether
Concen: 5.259 ug/L
RT: 3.01 min Scan# 596
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

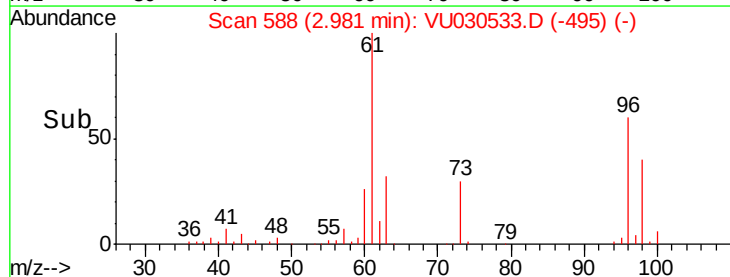
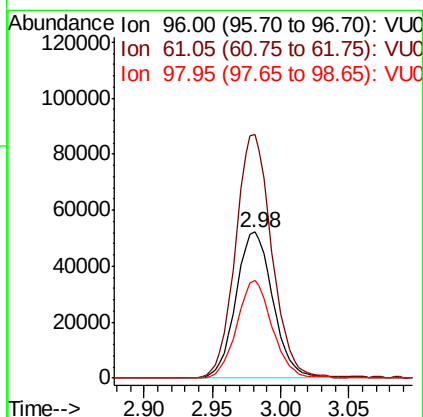
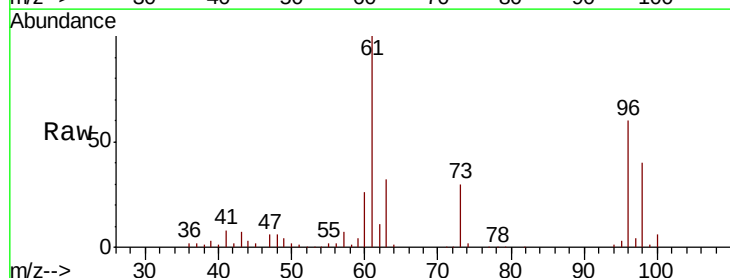
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

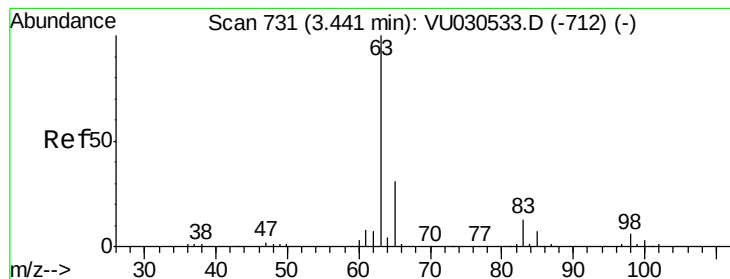
Tot Ion:	73	Resp:	252895
Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.0	25.4
57	24.3	19.4	29.2



#18
trans-1,2-Dichloroethene
Concen: 5.164 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion:	96	Resp:	97928
Ion	Ratio	Lower	Upper
96	100		
61	166.8	116.8	216.8
98	66.9	46.8	87.0





#19

1,1-Dichloroethane

Concen: 5.206 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

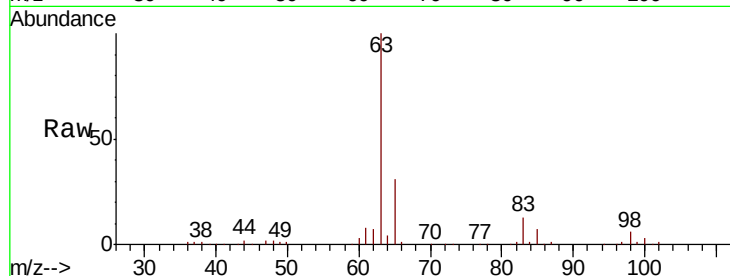
Tot Ion: 63 Resp: 208829

Ion Ratio Lower Upper

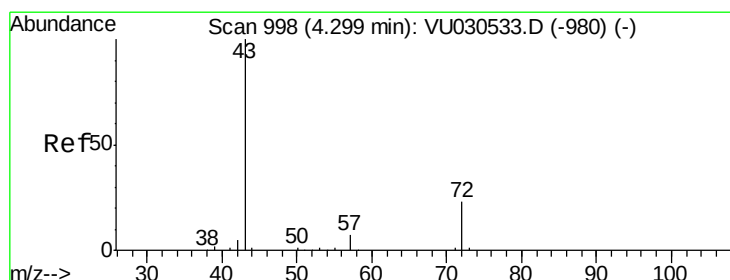
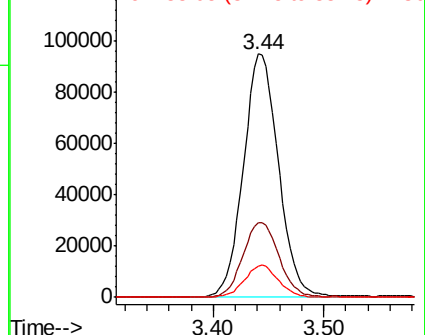
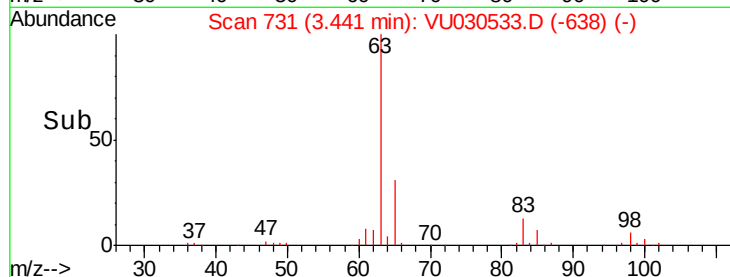
63 100

65 30.8 21.6 40.0

83 13.0 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 54.351 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU030533.D

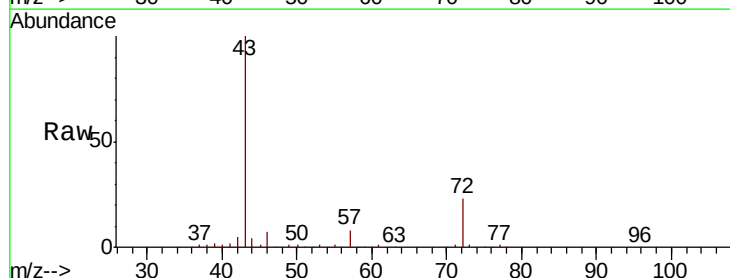
Acq: 29 Mar 2019 09:54

Tgt Ion: 43 Resp: 327050

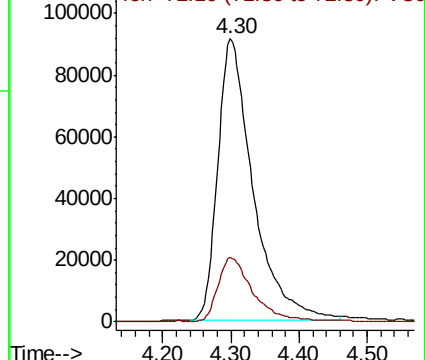
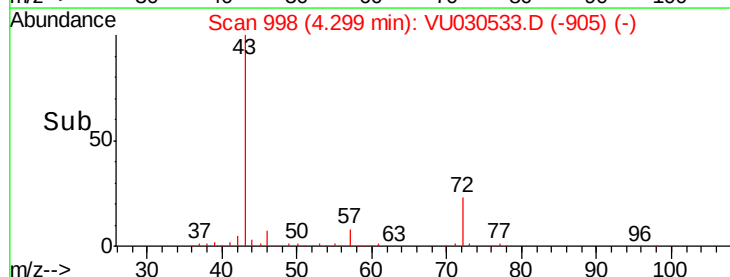
Ion Ratio Lower Upper

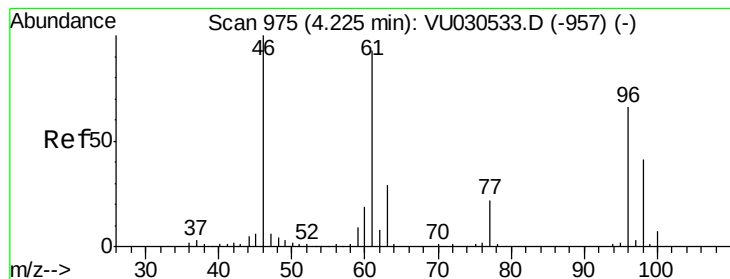
43 100

72 22.3 11.2 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



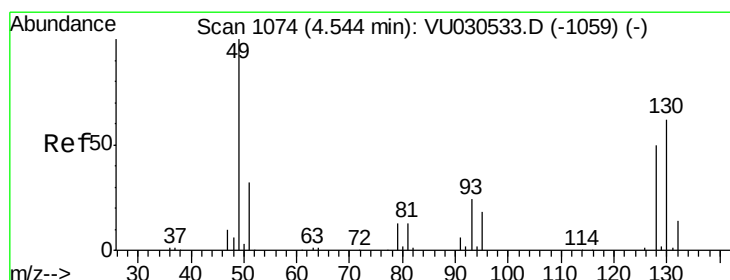
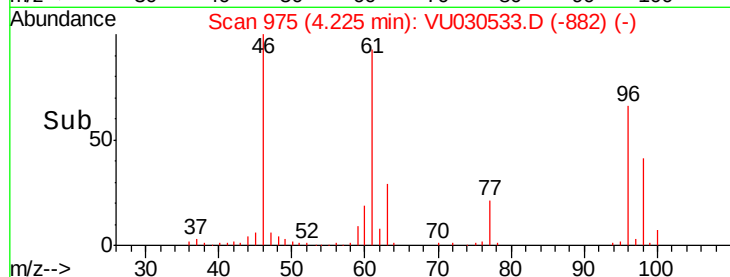
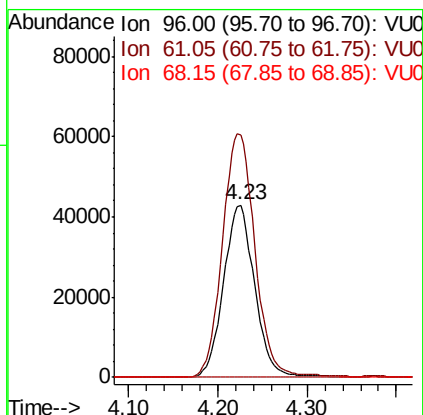
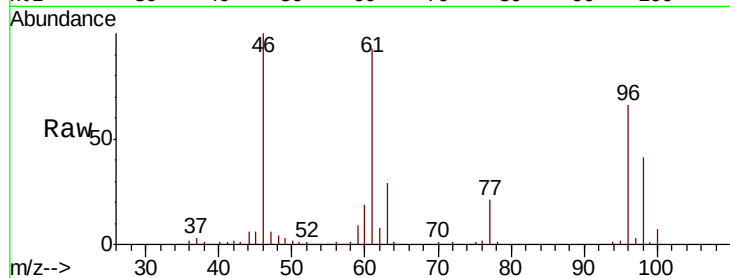


#22

cis-1,2-Dichloroethene
 Concen: 5.145 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

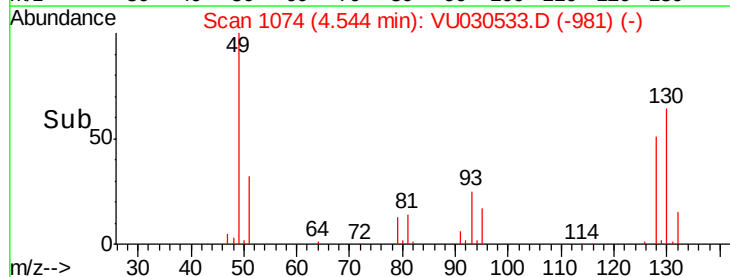
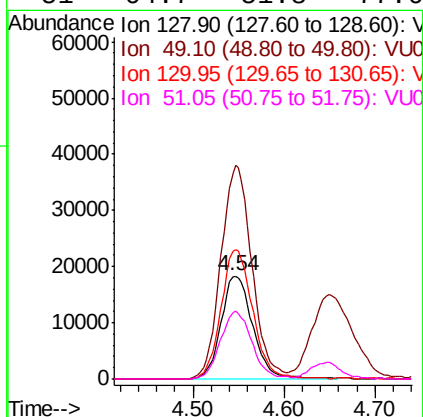
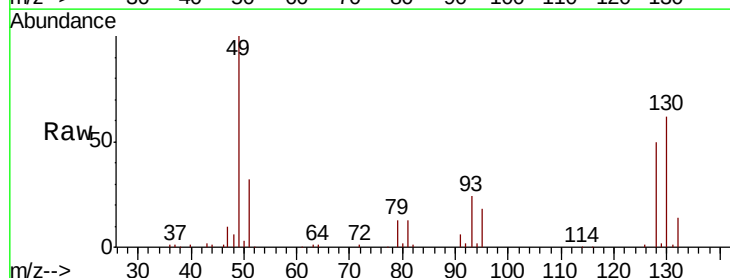
Tot Ion: 96 Resp: 104060
 Ion Ratio Lower Upper
 96 100
 61 141.3 98.9 183.7
 68 0.0 0.0 0.0

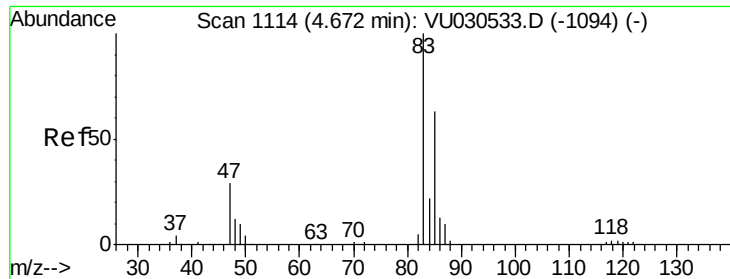


#23

Bromochloromethane
 Concen: 5.482 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 128 Resp: 44292
 Ion Ratio Lower Upper
 128 100
 49 200.9 140.6 261.2
 130 124.7 87.3 162.1
 51 64.7 51.8 77.6

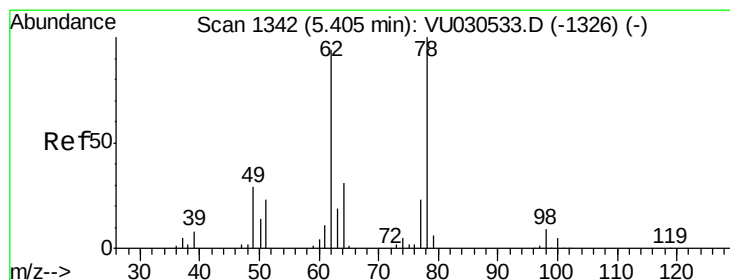
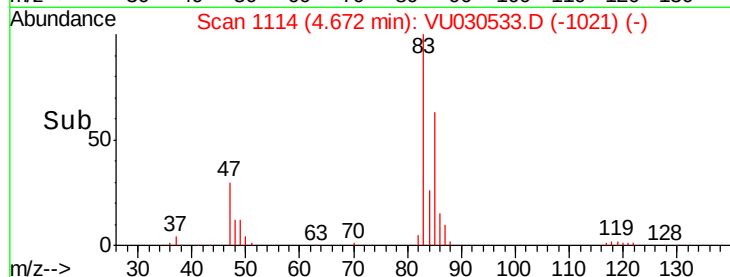
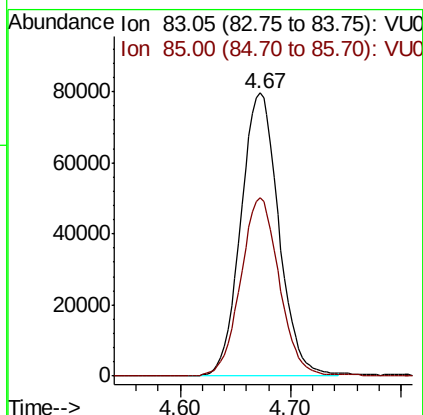
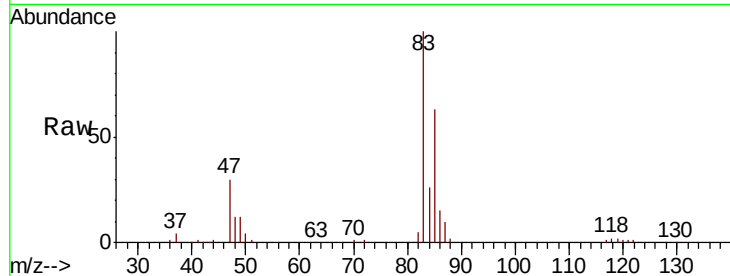




#25
Chloroform
Concen: 5.191 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

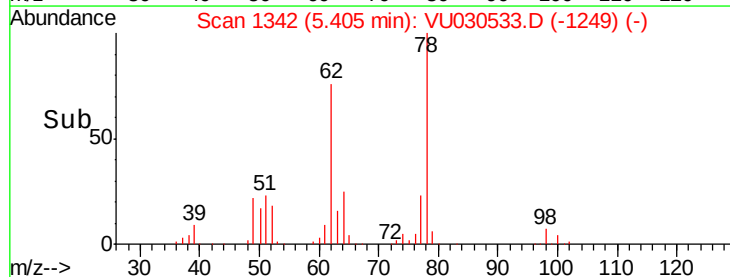
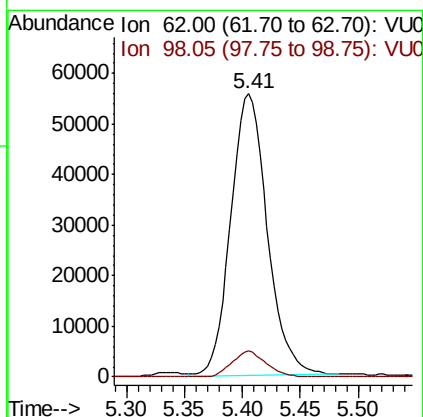
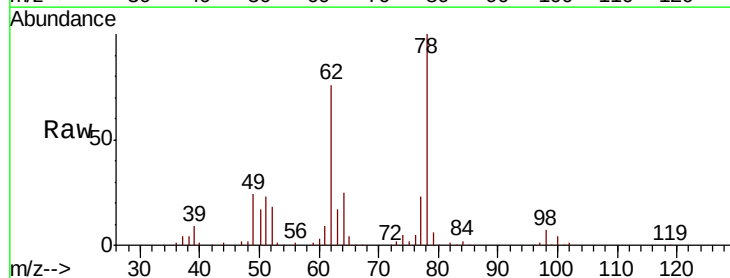
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

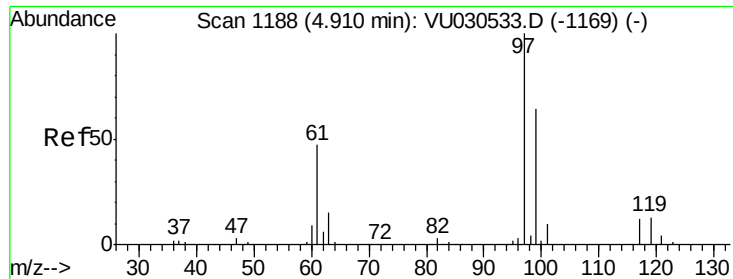
Tot Ion: 83 Resp: 189834
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.145 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 62 Resp: 122080
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

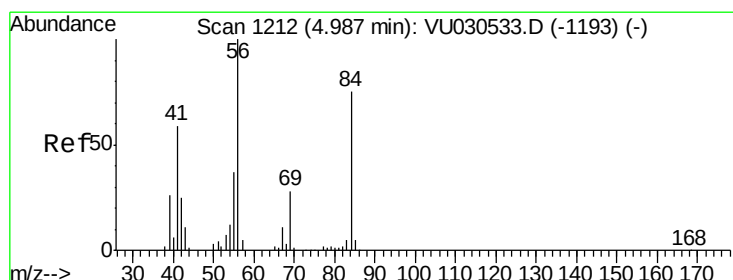
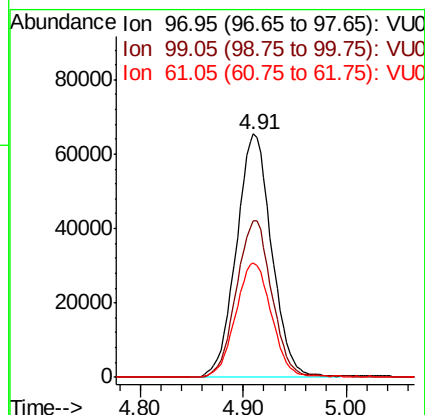
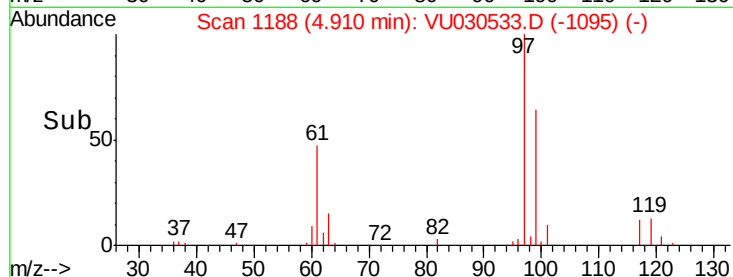
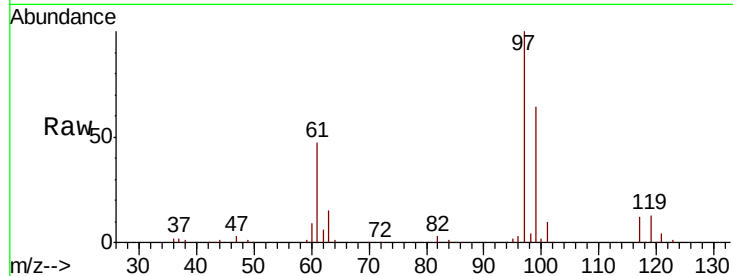




#29
1,1,1-Trichloroethane
Concen: 5.120 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

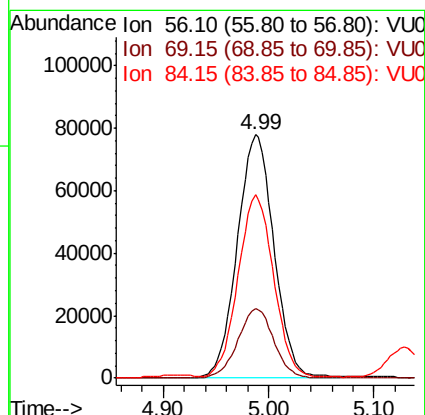
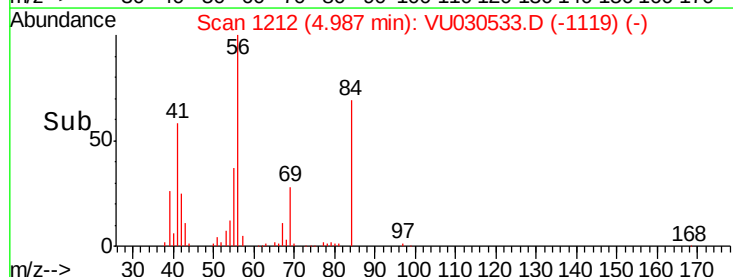
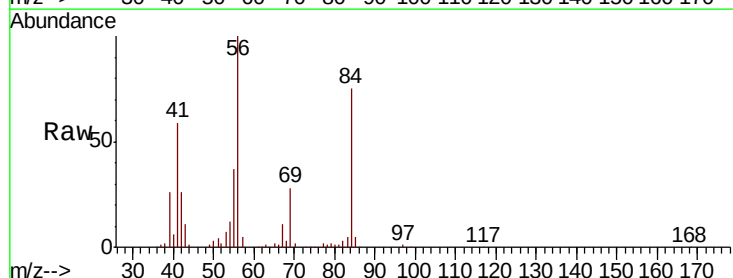
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

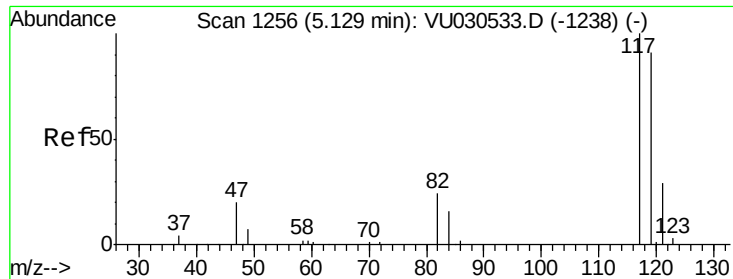
Tot Ion: 97 Resp: 156063
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 47.6 38.1 57.1



#30
Cyclohexane
Concen: 5.120 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 56 Resp: 188377
Ion Ratio Lower Upper
56 100
69 27.9 22.3 33.5
84 72.9 58.3 87.5





#31

Carbon tetrachloride

Concen: 5.289 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

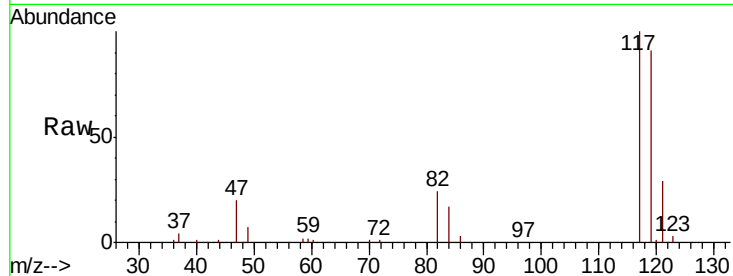
VSTD00503

Tot Ion:117 Resp: 135332

Ion Ratio Lower Upper

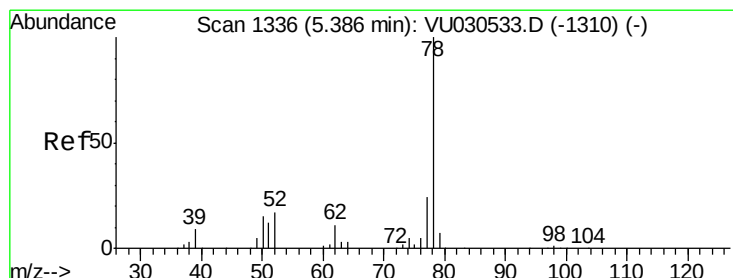
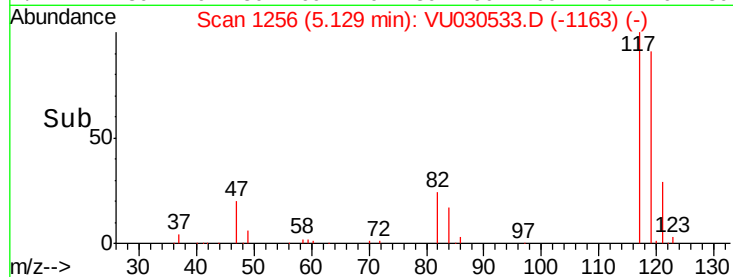
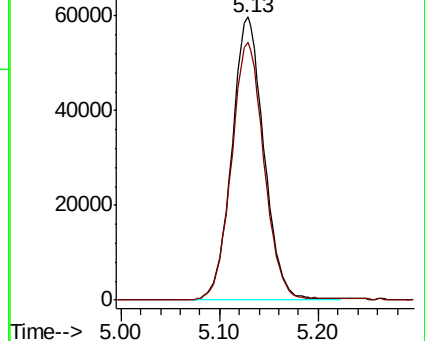
117 100

119 92.1 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.277 ug/L

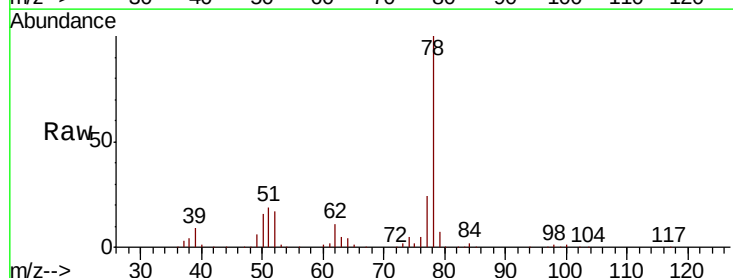
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

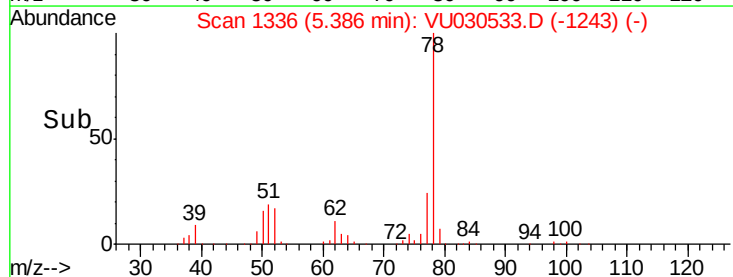
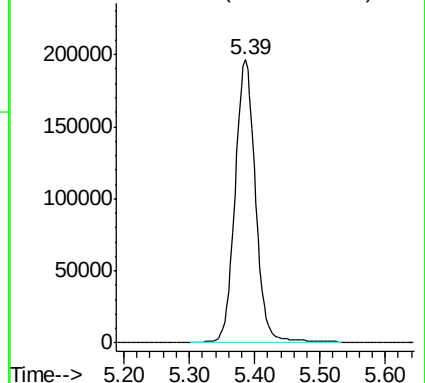
Lab File: VU030533.D

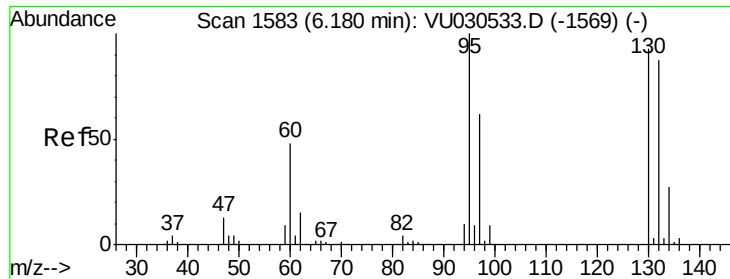
Acq: 29 Mar 2019 09:54

Tgt Ion: 78 Resp: 427124



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.256 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tot Ion: 95 Resp: 106477

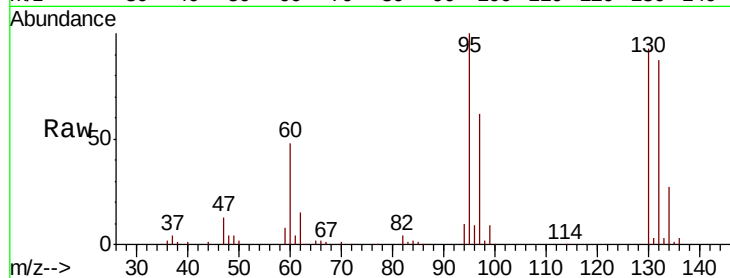
Ion Ratio Lower Upper

95 100

97 62.2 43.5 80.9

132 86.7 60.7 112.7

130 93.0 65.1 120.9

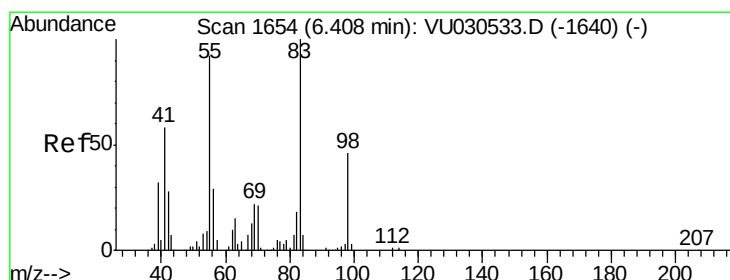
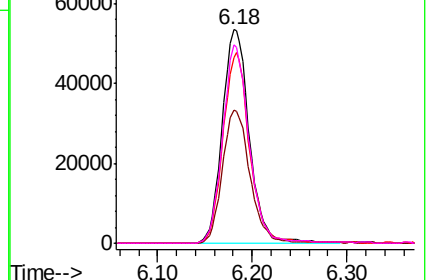
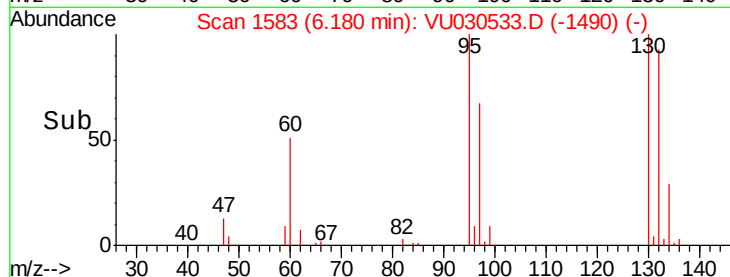


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.291 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

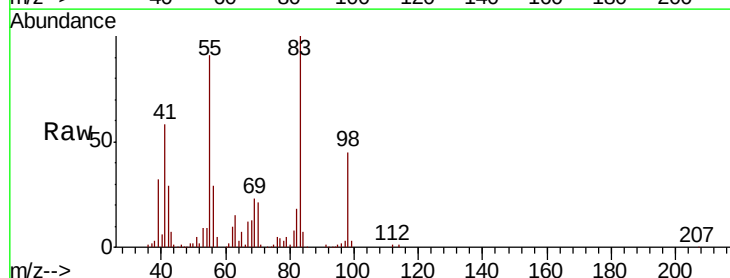
Tgt Ion: 83 Resp: 171065

Ion Ratio Lower Upper

83 100

55 90.7 72.6 108.8

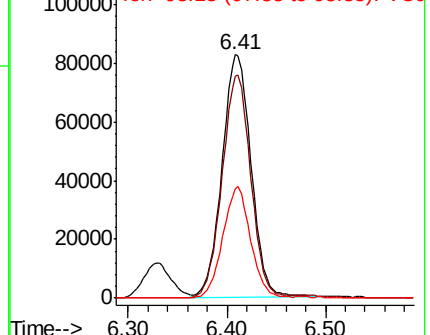
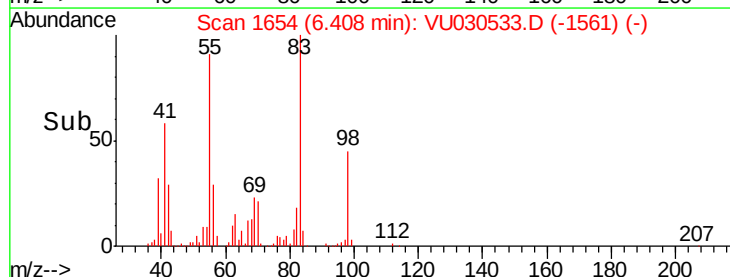
98 43.8 35.0 52.6

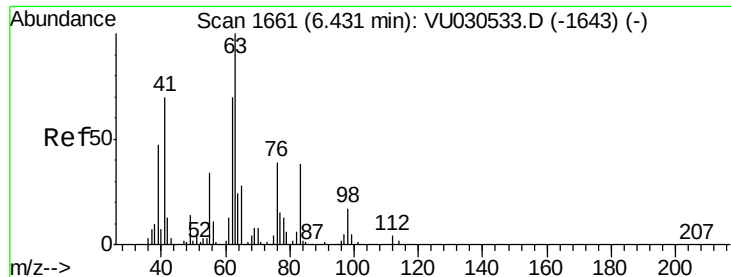


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

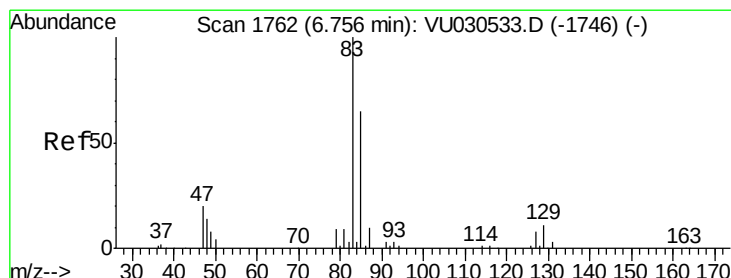
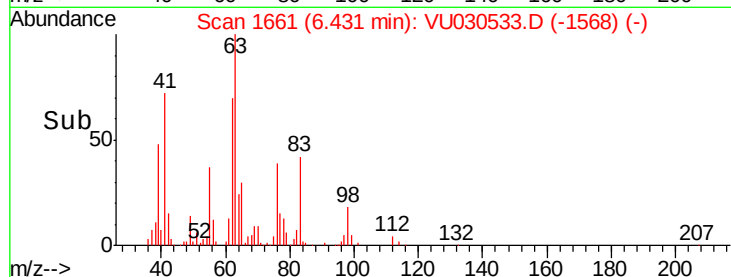
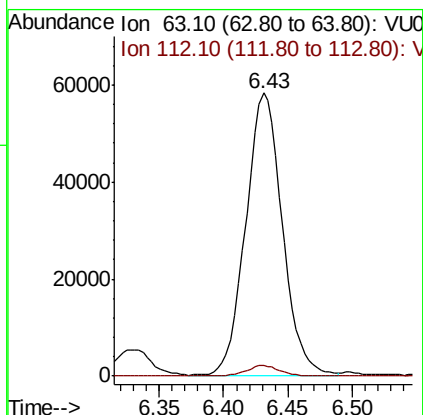
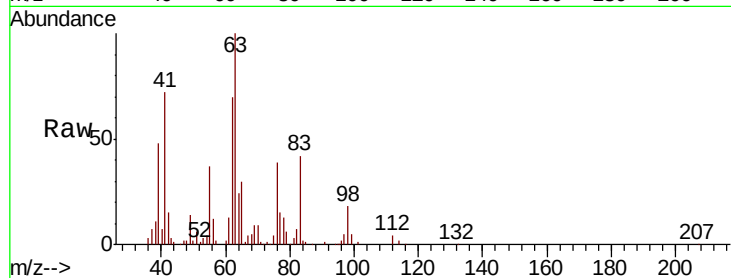




#37
 1,2-Dichloropropane
 Concen: 5.147 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

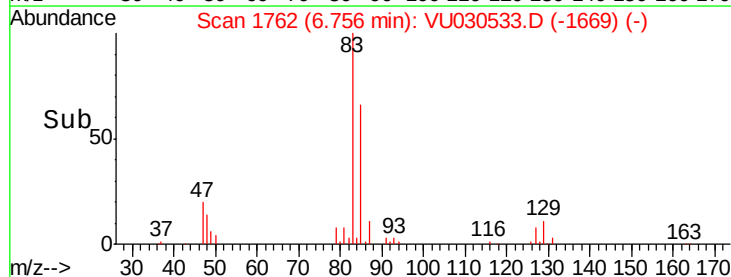
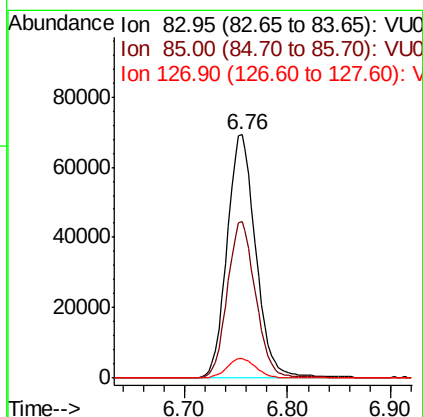
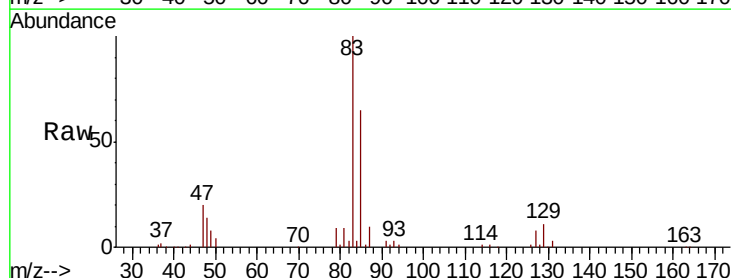
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

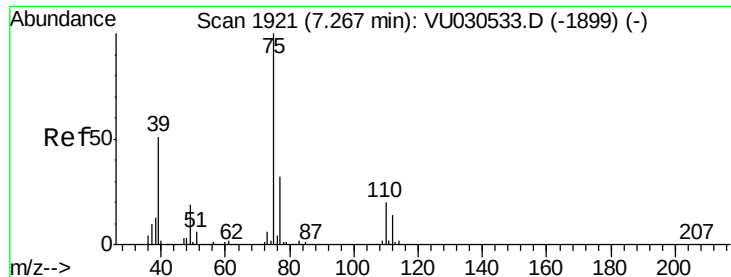
Tot Ion: 63 Resp: 114626
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.174 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 83 Resp: 134564
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.1 6.5 9.7

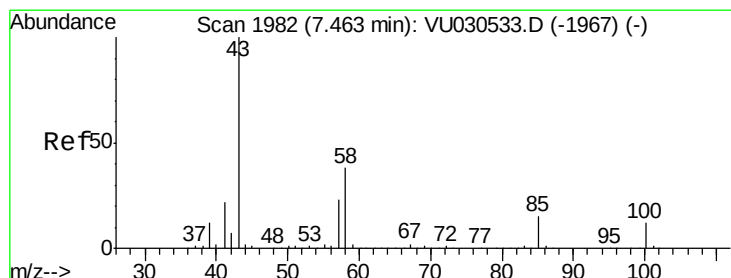
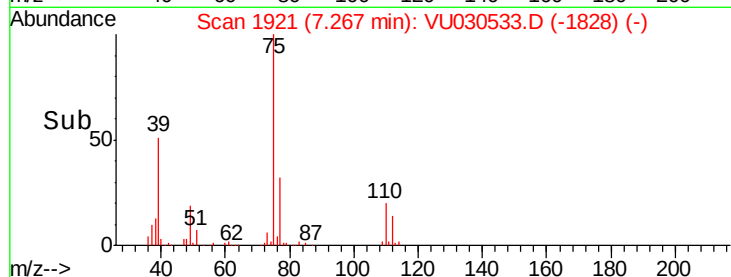
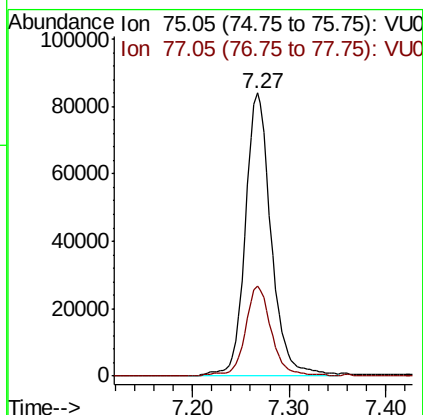
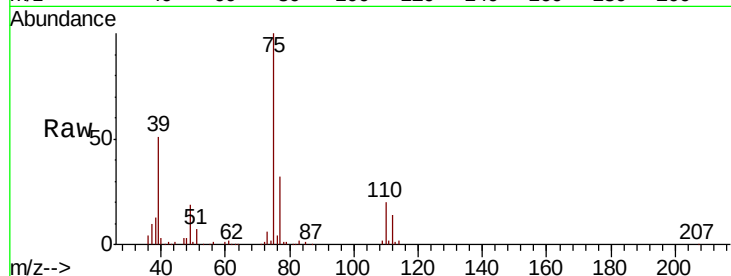




#39
 cis-1,3-Dichloropropene
 Concen: 5.249 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

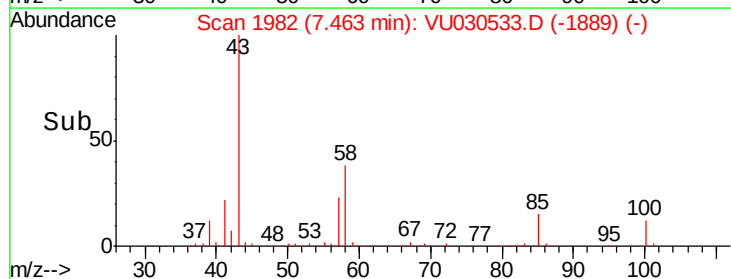
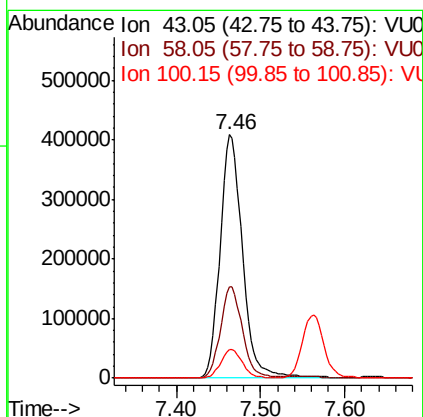
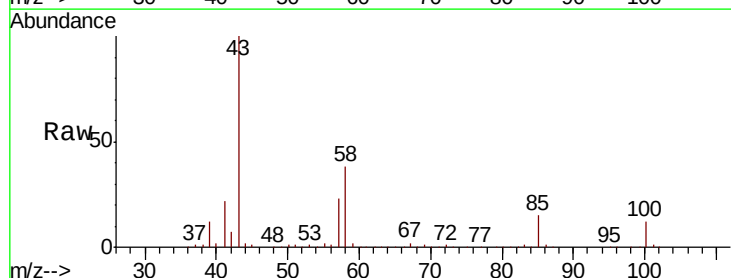
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

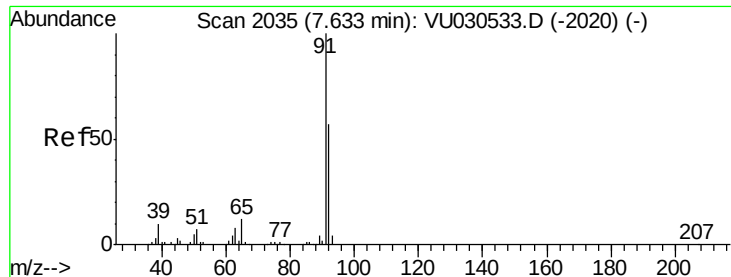
Tot Ion: 75 Resp: 156358
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 54.593 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 43 Resp: 758513
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 11.5 9.2 13.8





#42

Toluene

Concen: 5.382 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

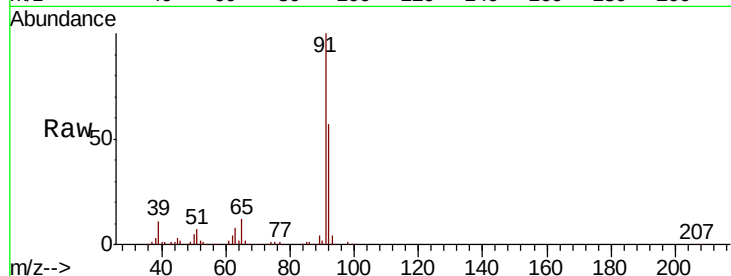
VSTD00503

Tot Ion: 91 Resp: 436850

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU030533.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU030533.D (-2020) (-)

7.63

250000

200000

150000

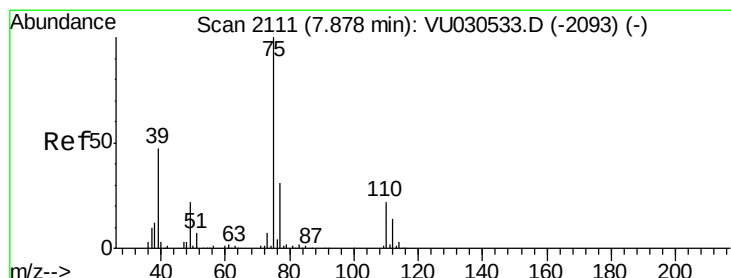
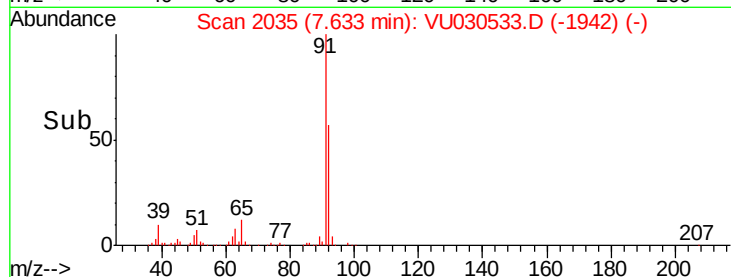
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.311 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030533.D

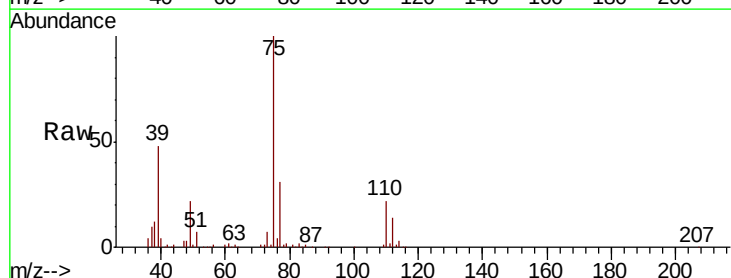
Acq: 29 Mar 2019 09:54

Tgt Ion: 75 Resp: 122455

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU030533.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU030533.D (-2093) (-)

7.88

80000

60000

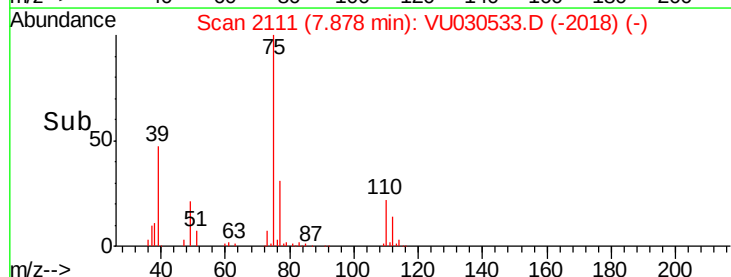
40000

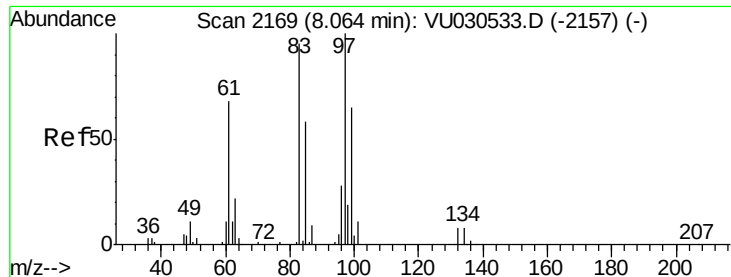
20000

0

7.80 7.90 8.00

Time-->

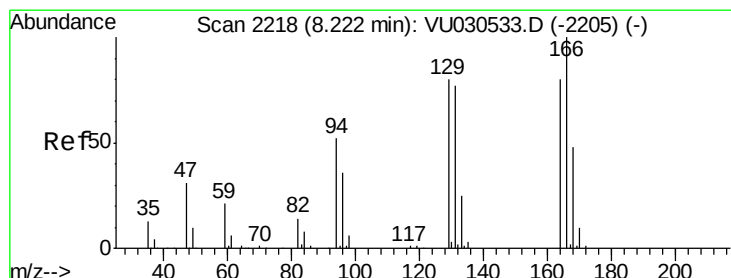
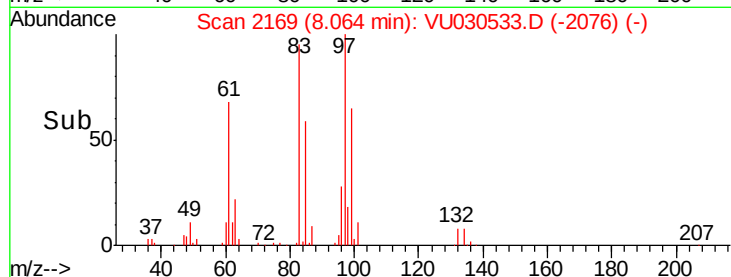
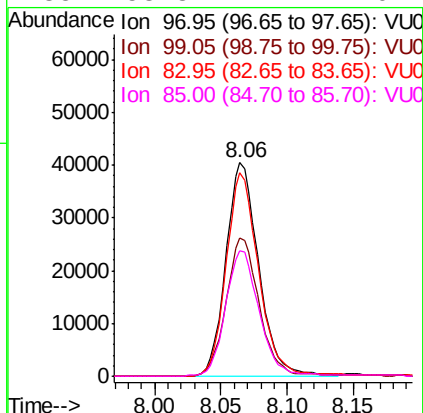
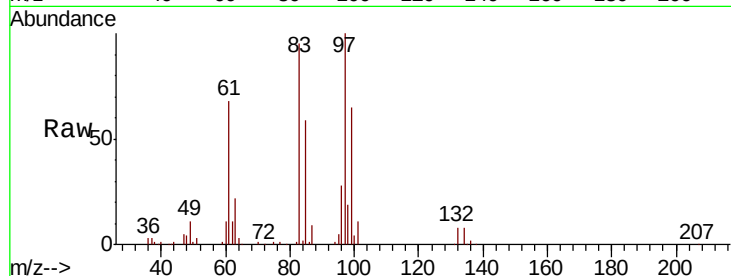




#45
 1,1,2-Trichloroethane
 Concen: 5.238 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

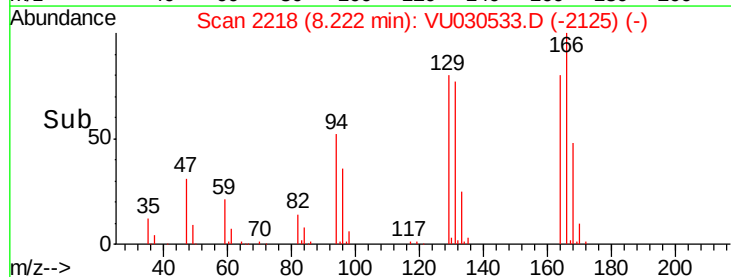
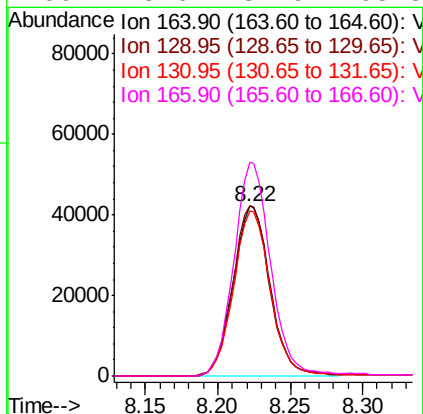
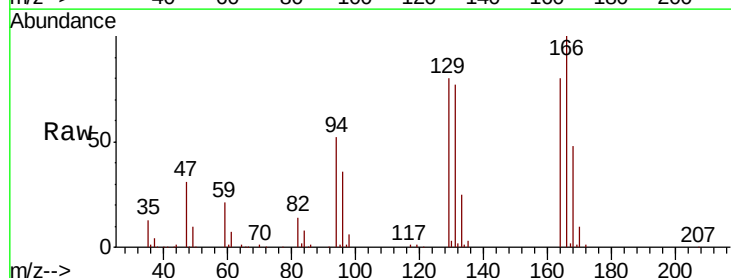
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

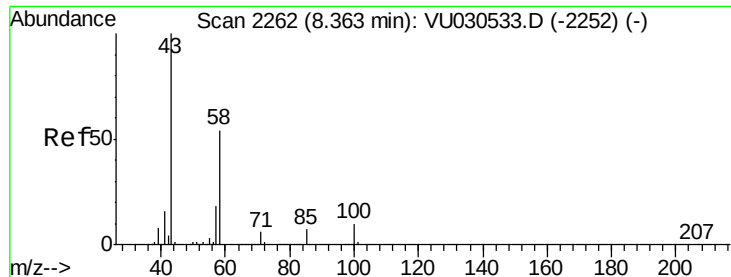
Tot Ion:	97	Resp:	69561
Ion	Ratio	Lower	Upper
97	100		
99	64.7	45.3	84.1
83	95.0	66.5	123.5
85	58.8	41.2	76.4



#47
 Tetrachloroethene
 Concen: 5.282 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:	164	Resp:	75067
Ion	Ratio	Lower	Upper
164	100		
129	100.1	70.1	130.1
131	96.8	67.8	125.8
166	125.6	87.9	163.3

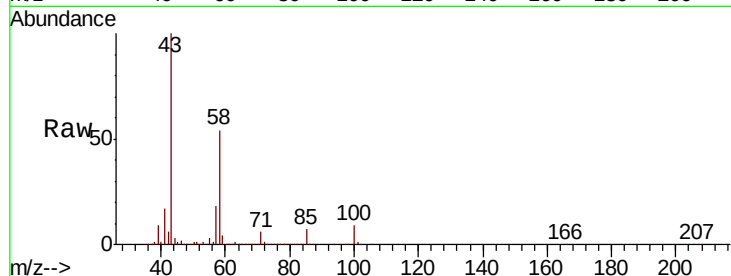




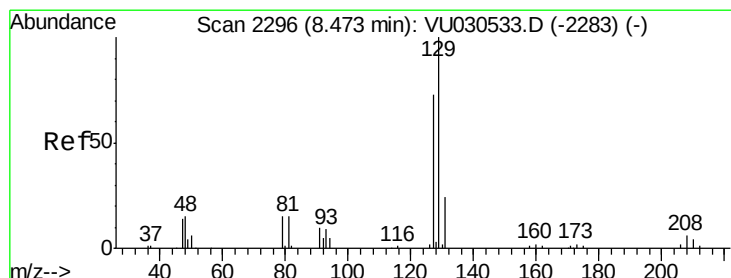
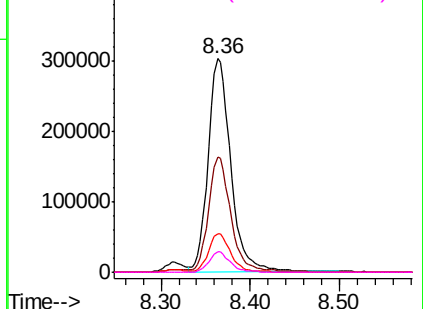
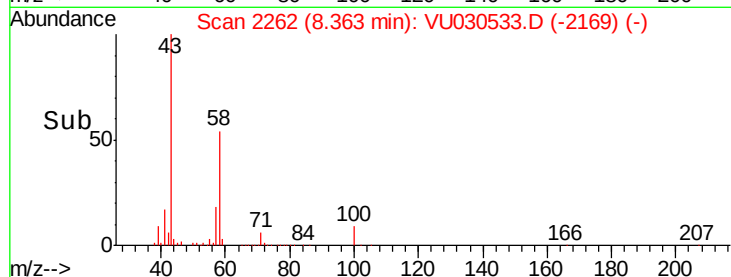
#48
2-Hexanone
Concen: 55.701 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion: 43 Resp: 536238
Ion Ratio Lower Upper
43 100
58 53.1 42.5 63.7
57 17.4 13.9 20.9
100 8.9 7.1 10.7

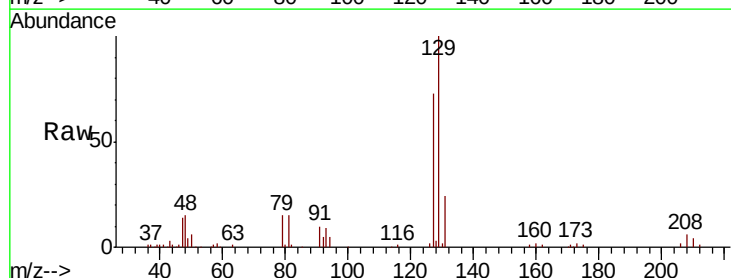


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

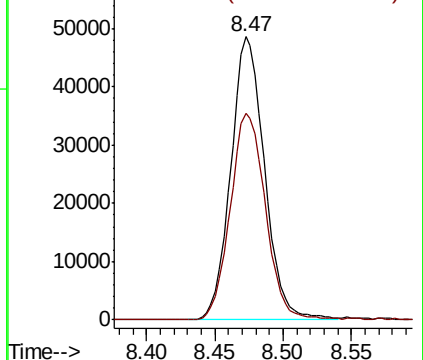
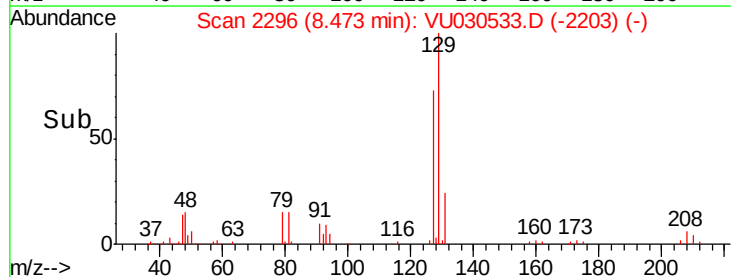


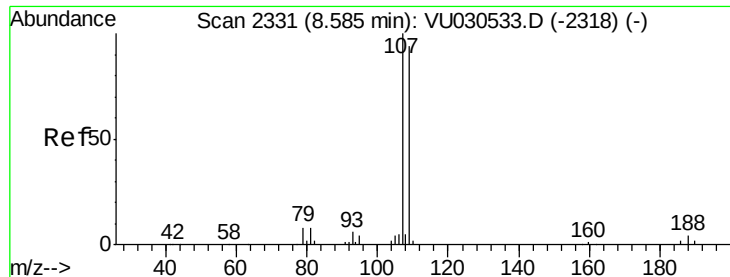
#49
Dibromochloromethane
Concen: 5.264 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion: 129 Resp: 83601
Ion Ratio Lower Upper
129 100
127 73.0 51.1 94.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

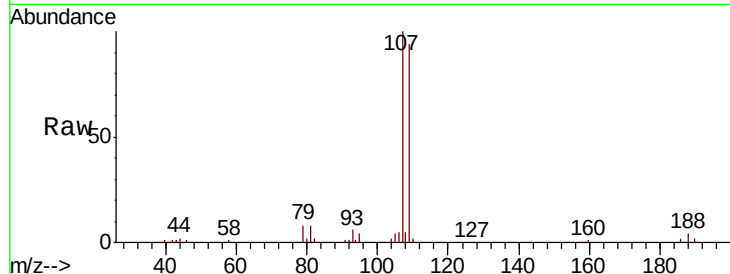




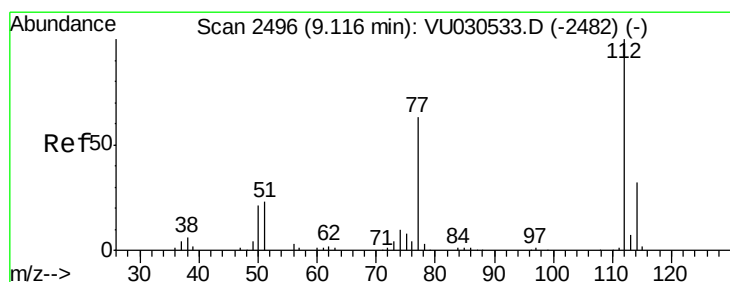
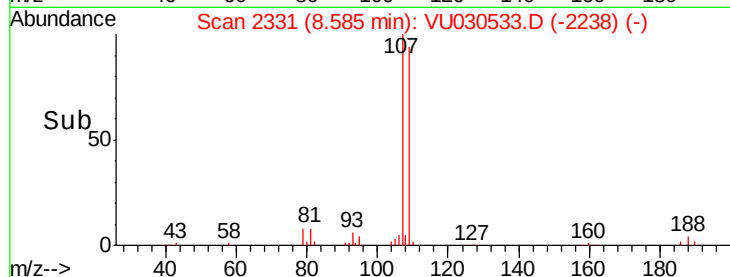
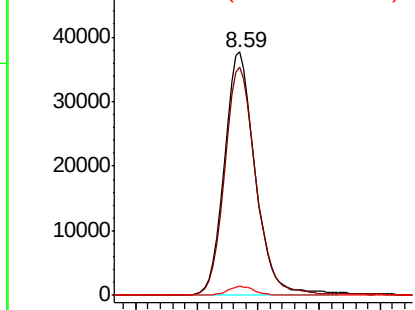
#50
1,2-Dibromoethane
Concen: 5.413 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion:107 Resp: 67012
Ion Ratio Lower Upper
107 100
109 93.7 65.6 121.8
188 3.6 2.9 4.3

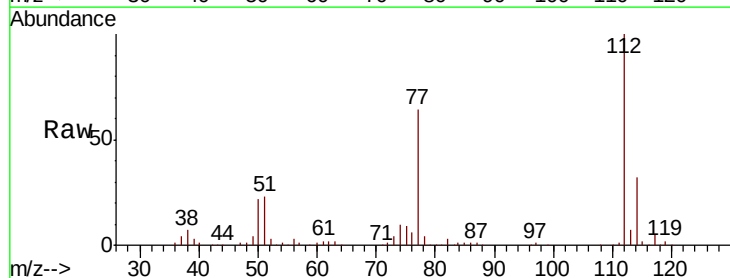


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

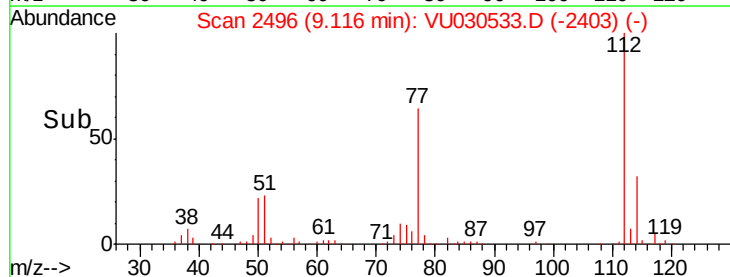
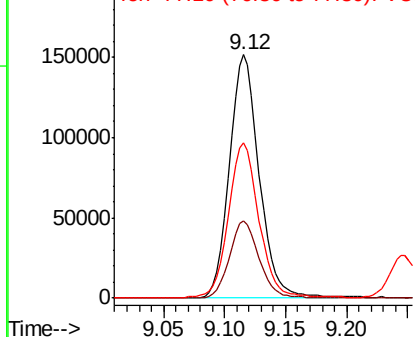


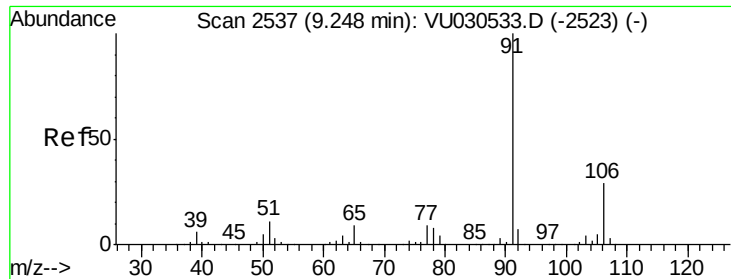
#51
Chlorobenzene
Concen: 5.160 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion:112 Resp: 258263
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 63.8 51.0 76.6



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: 5.342 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

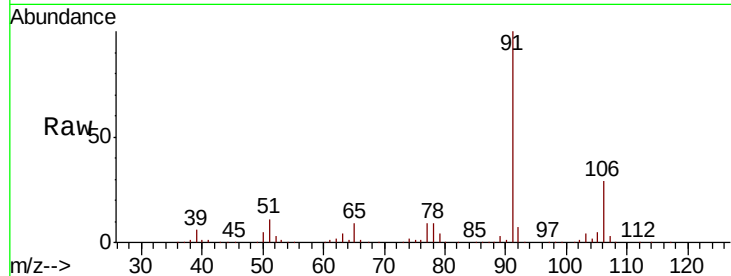
VSTD00503

Tot Ion: 91 Resp: 462472

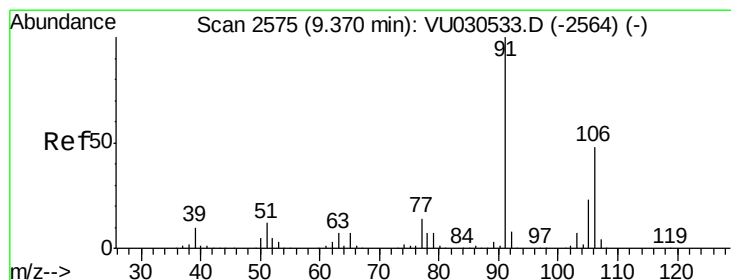
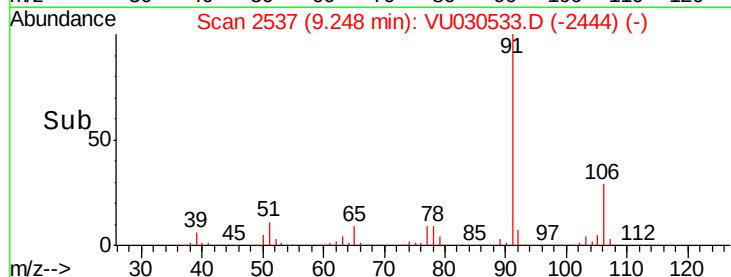
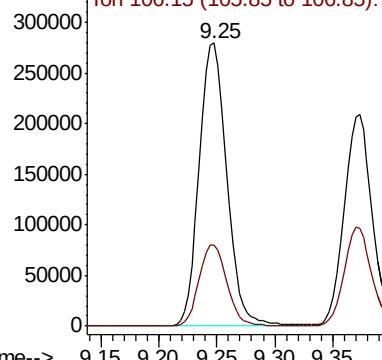
Ion Ratio Lower Upper

91 100

106 28.8 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU030533.D (-2523) (-)



#53

m,p-Xylene

Concen: 5.446 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU030533.D

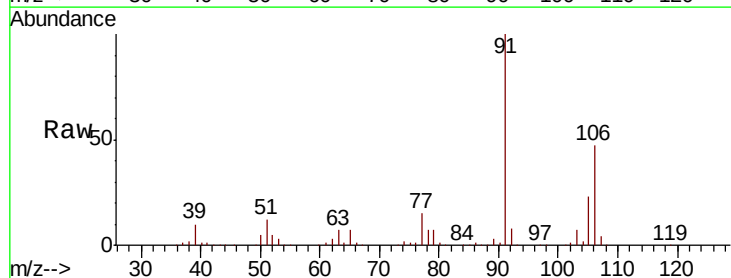
Acq: 29 Mar 2019 09:54

Tgt Ion: 106 Resp: 164674

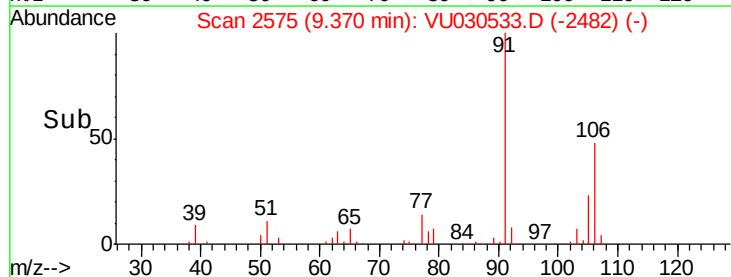
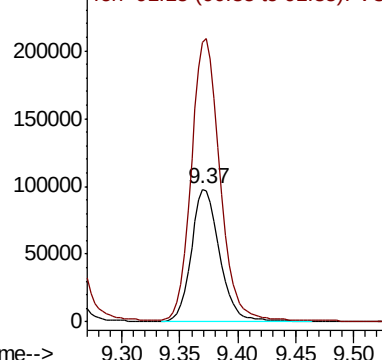
Ion Ratio Lower Upper

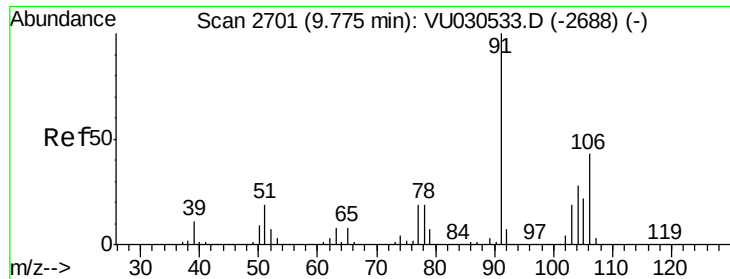
106 100

91 210.6 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU030533.D (-2564) (-)

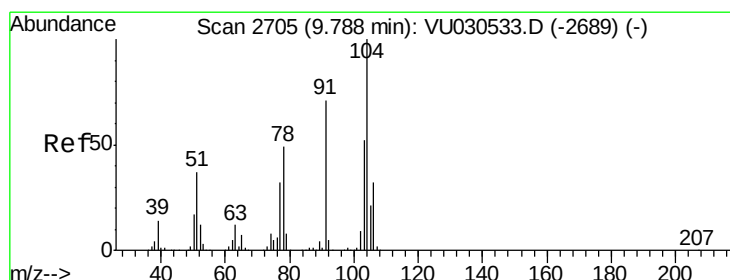
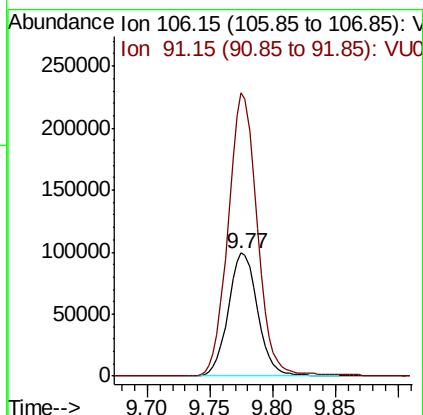
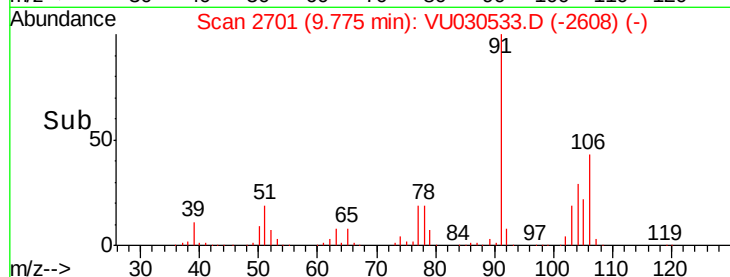
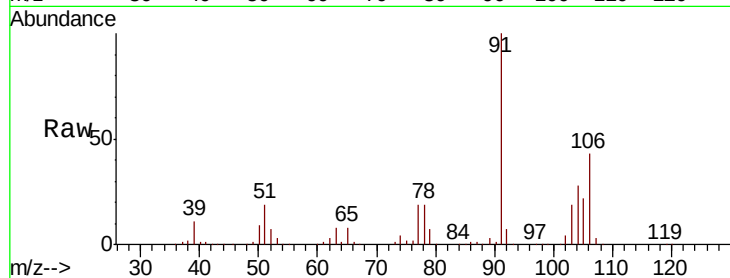




#54
o-Xylene
Concen: 5.470 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

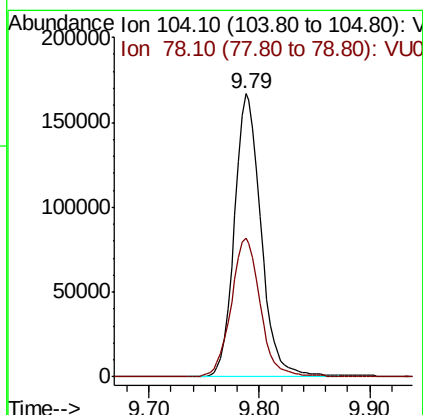
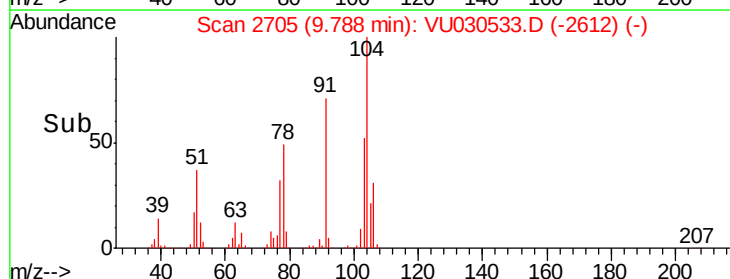
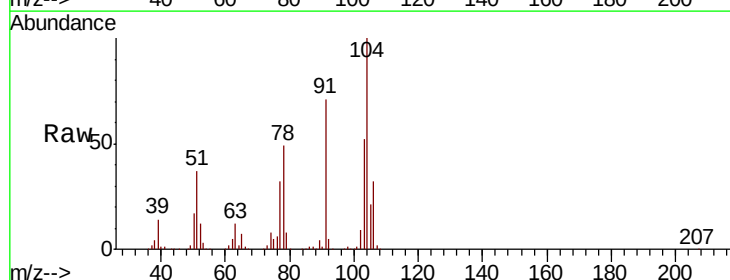
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

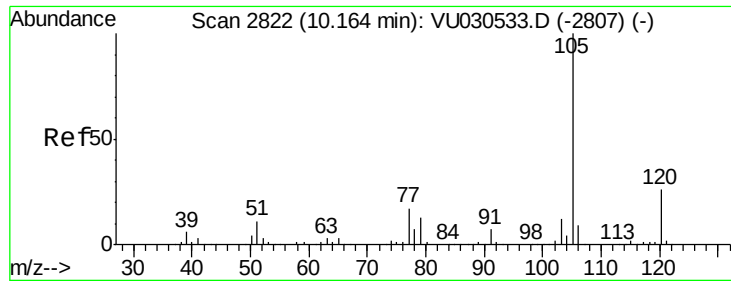
Tot Ion:106 Resp: 162209
Ion Ratio Lower Upper
106 100
91 230.5 161.3 299.7



#55
Styrene
Concen: 5.596 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030533.D
Acq: 29 Mar 2019 09:54

Tgt Ion:104 Resp: 279955
Ion Ratio Lower Upper
104 100
78 49.1 34.4 63.8





#56

Isopropylbenzene

Concen: 5.440 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

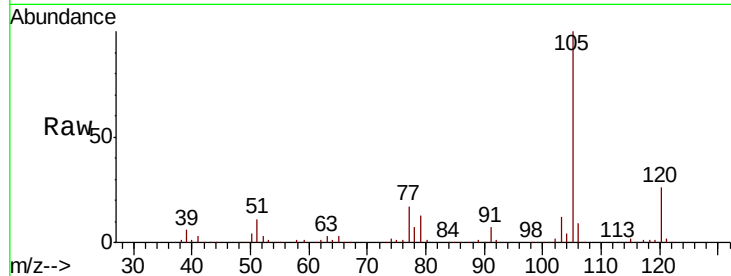
Tot Ion:105 Resp: 430944

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

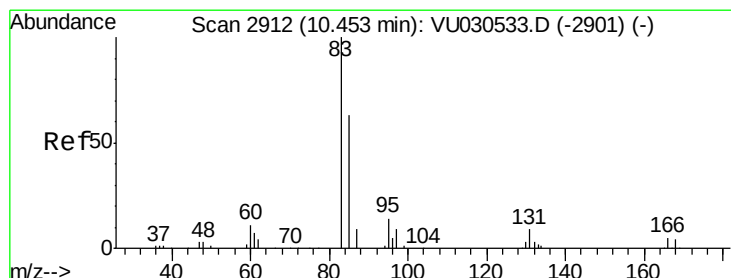
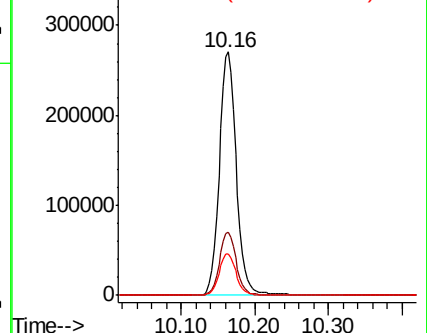
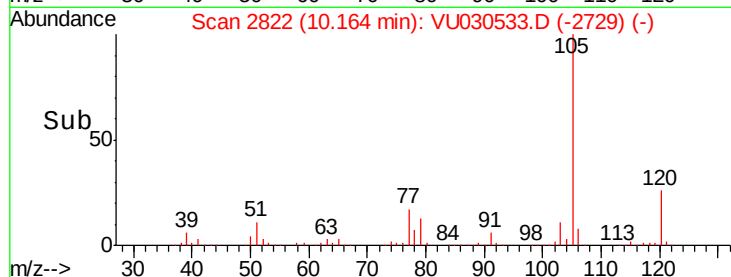
77 17.3 13.8 20.8



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: 5.288 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

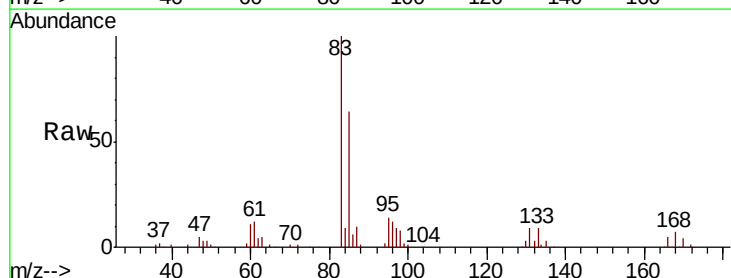
Tgt Ion: 83 Resp: 93374

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

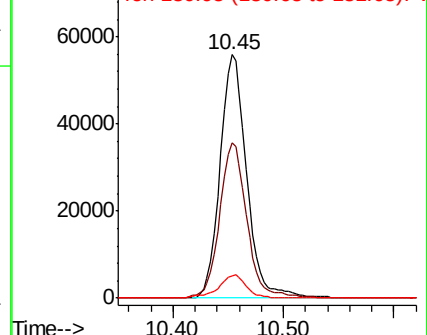
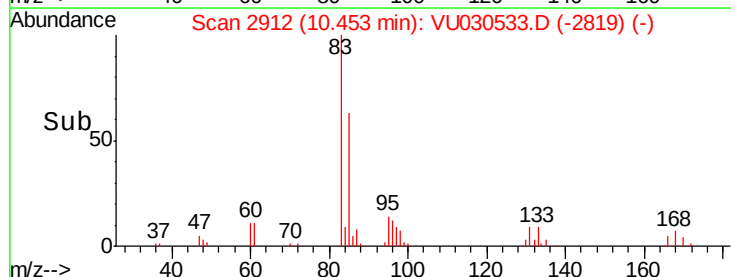
131 9.3 7.4 11.2

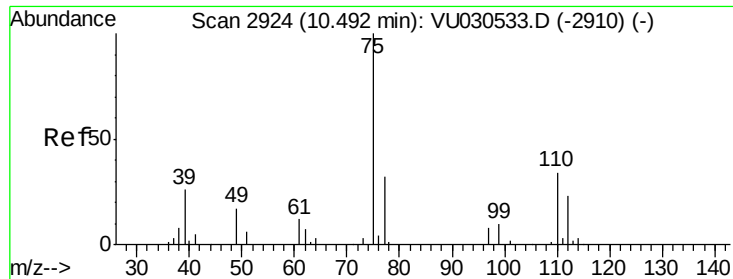


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.275 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

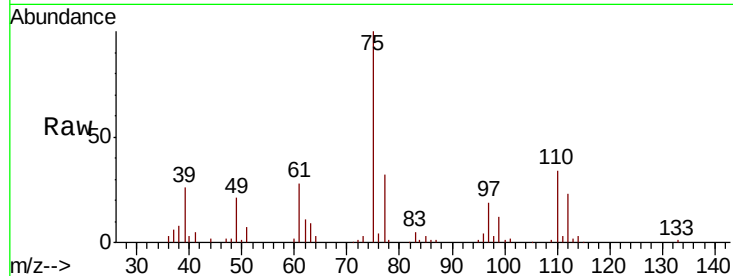
VSTD00503

Tot Ion: 75 Resp: 65643

Ion Ratio Lower Upper

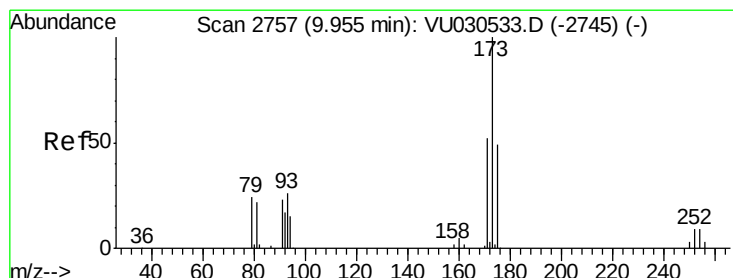
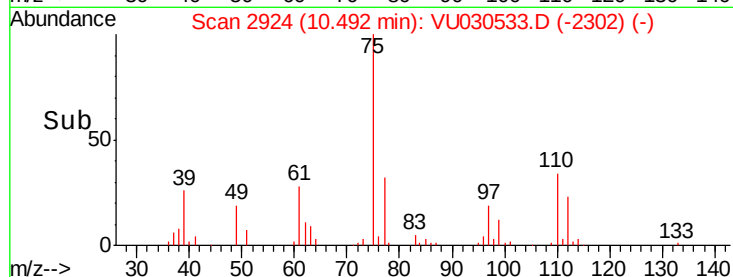
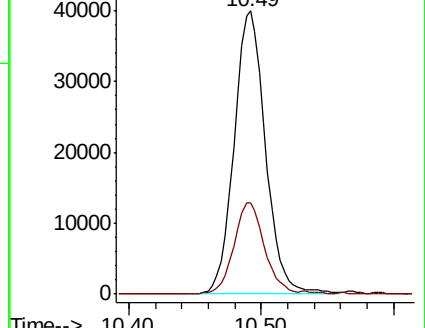
75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU030533.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030533.D (-2910) (-)



#61

Bromoform

Concen: 5.253 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

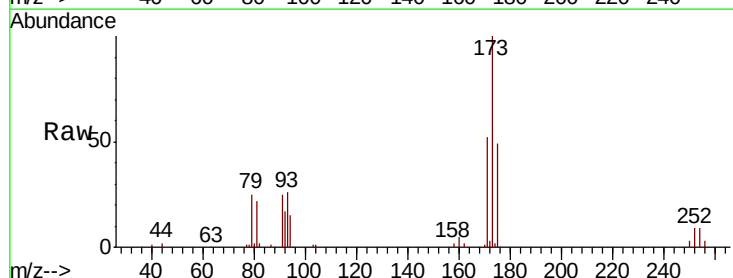
Tgt Ion: 173 Resp: 45602

Ion Ratio Lower Upper

173 100

175 48.3 38.6 58.0

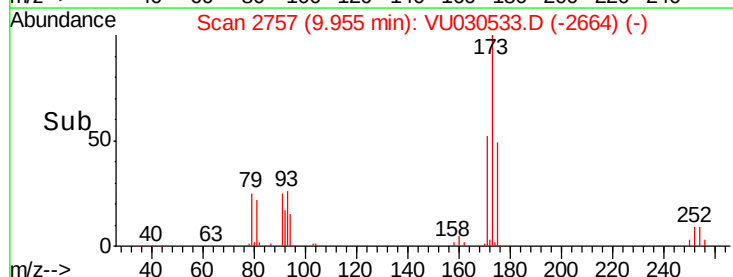
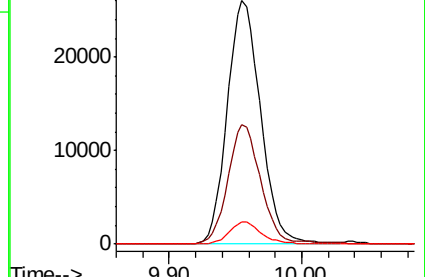
254 8.7 7.0 10.4

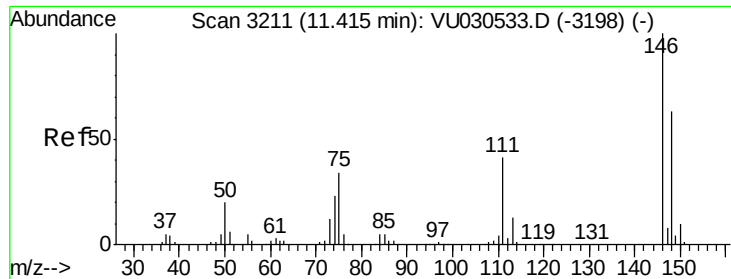


Abundance Ion 172.90 (172.60 to 173.60): VU030533.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU030533.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU030533.D (-2745) (-)

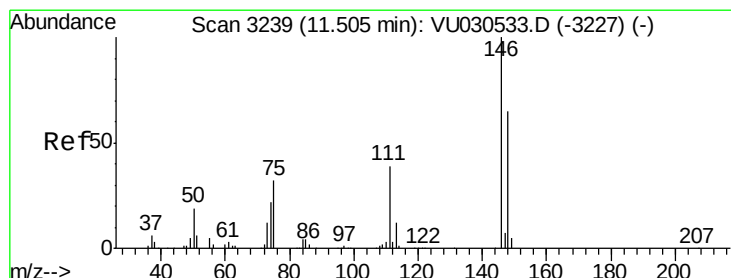
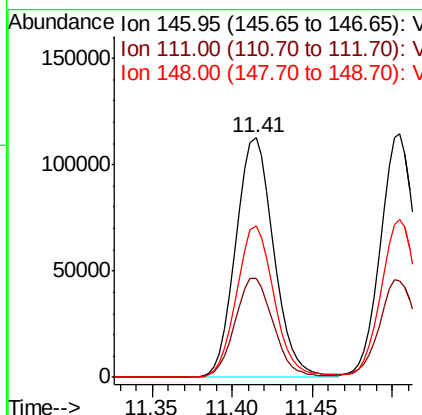
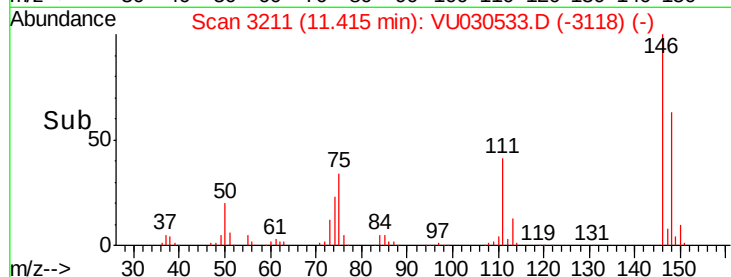
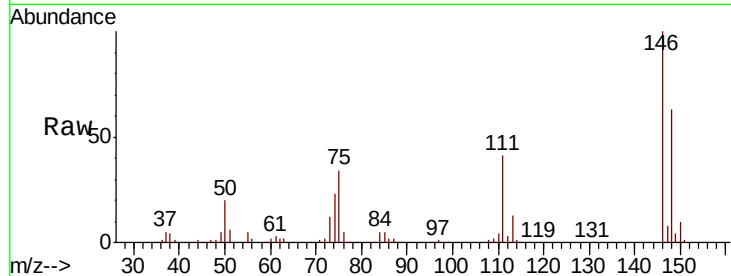




#62
 1,3-Dichlorobenzene
 Concen: 5.046 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

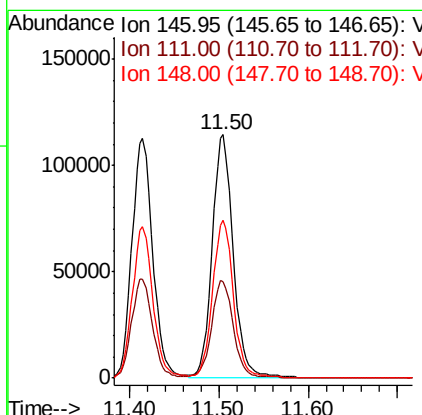
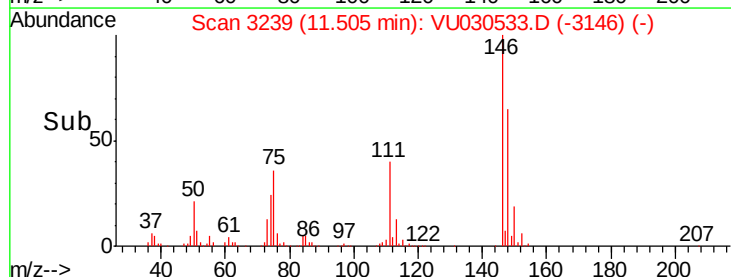
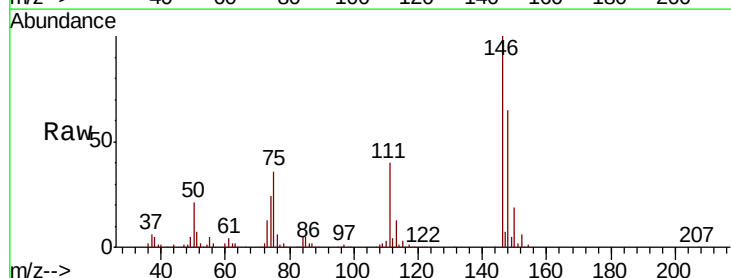
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00503

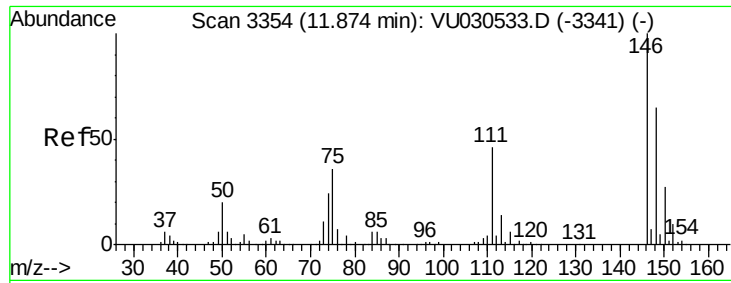
Tot Ion:146 Resp: 182514
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.9 53.7
 148 63.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.938 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion:146 Resp: 187236
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.9
 148 64.9 45.4 84.4

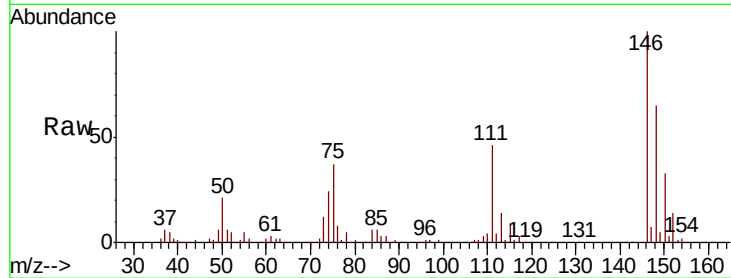




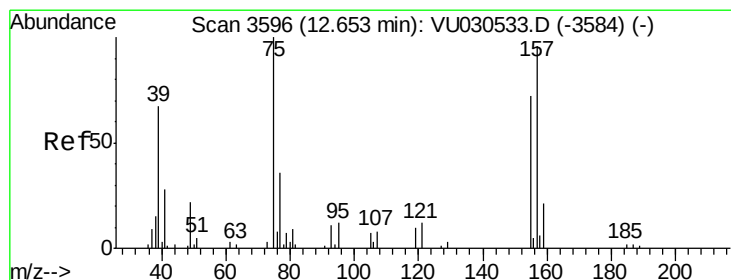
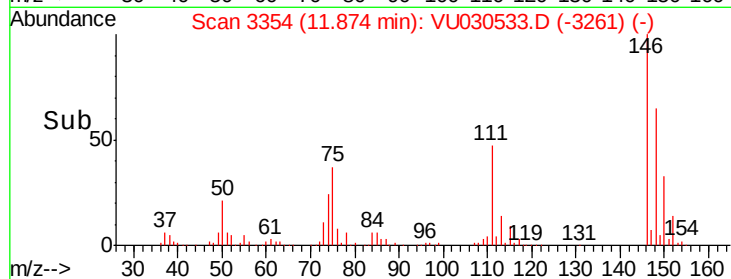
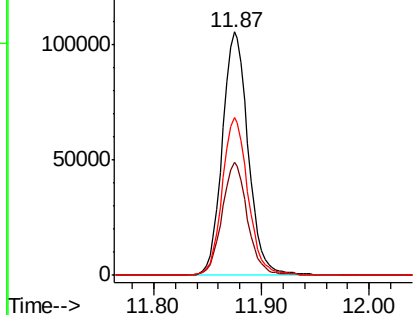
#65
 1,2-Dichlorobenzene
 Concen: 4.994 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tot Ion:146 Resp: 175784
 Ion Ratio Lower Upper
 146 100
 111 46.4 37.1 55.7
 148 64.8 51.8 77.8

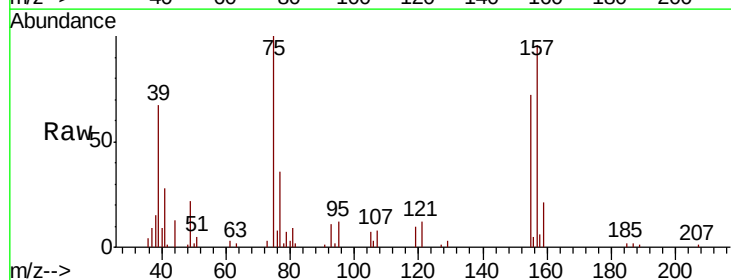


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

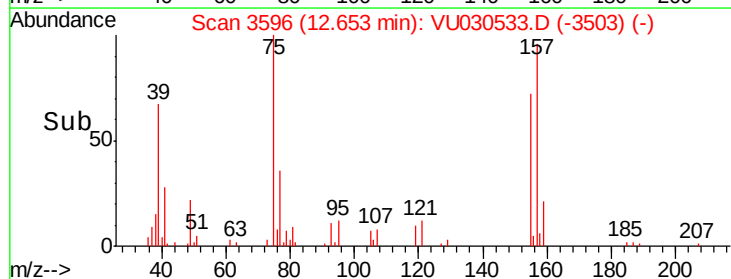
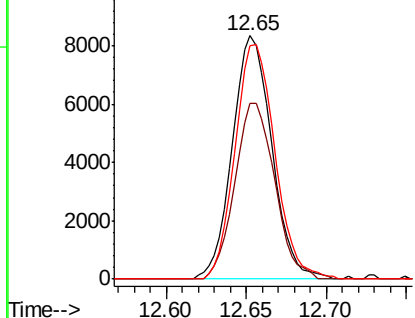


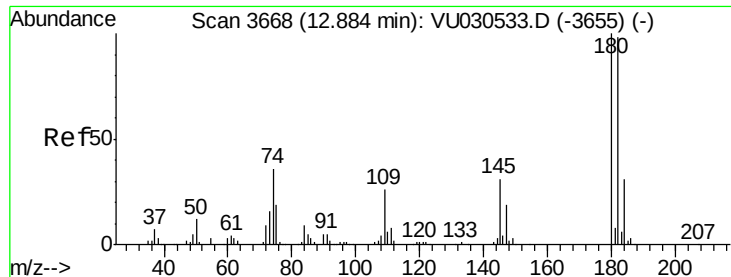
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.146 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion: 75 Resp: 14015
 Ion Ratio Lower Upper
 75 100
 155 72.1 57.7 86.5
 157 96.1 76.9 115.3



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

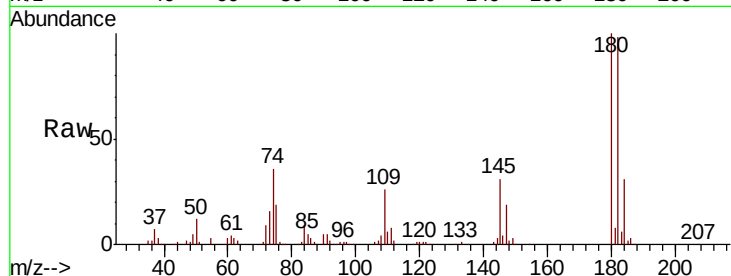




#67
 1,3,5-Trichlorobenzene
 Concen: 5.176 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.2	24.2	36.2
145	30.1	24.1	36.1



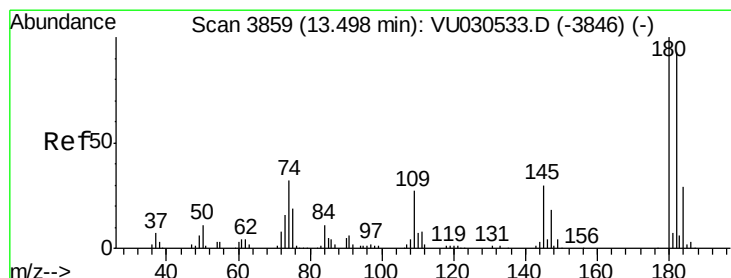
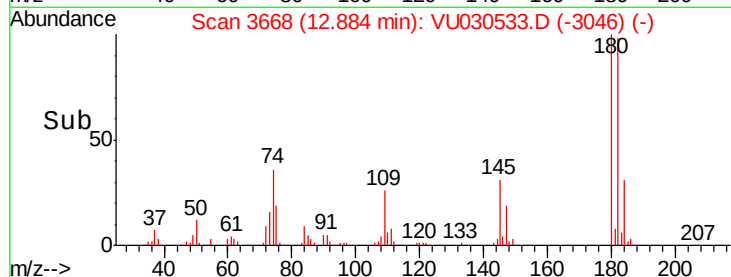
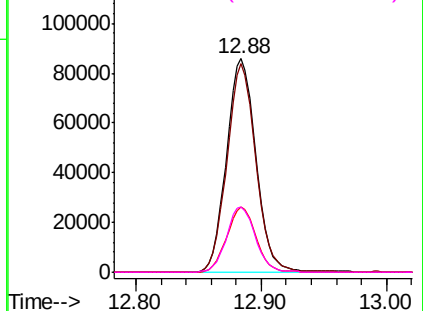
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

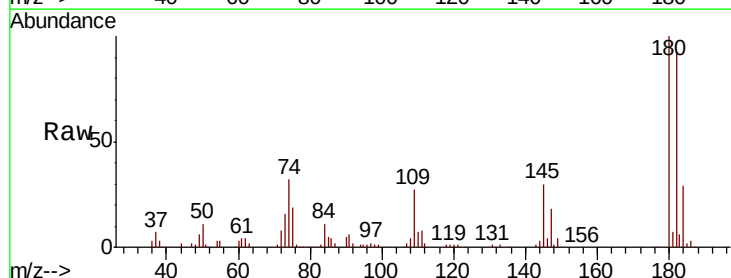
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.346 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030533.D
 Acq: 29 Mar 2019 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.6	111.8
145	29.5	23.6	35.4

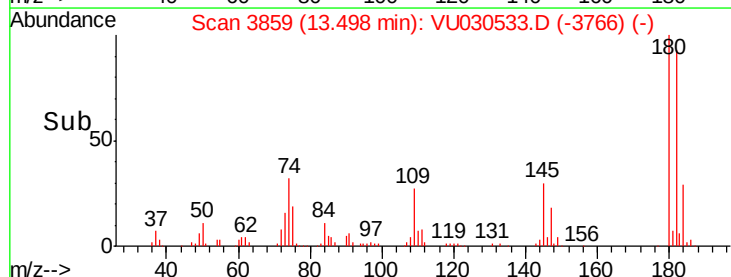
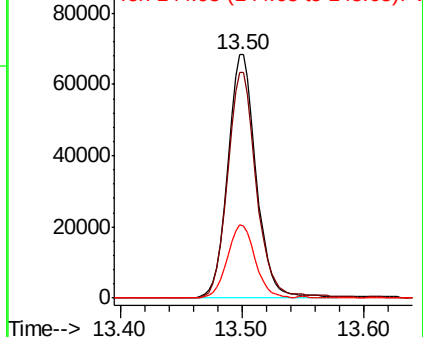


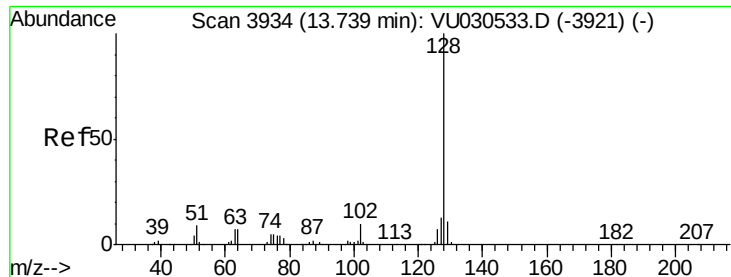
Abundance

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: 5.321 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

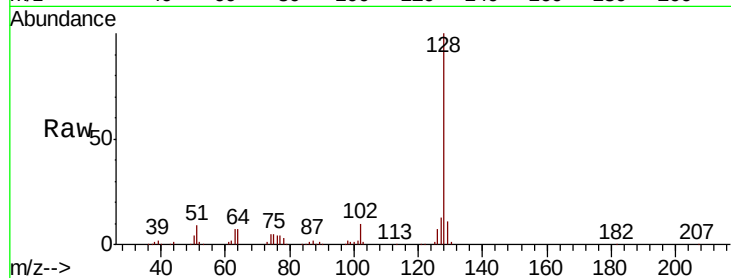
Tot Ion:128 Resp: 178118

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

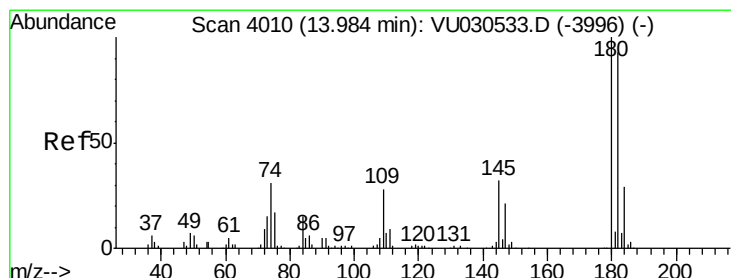
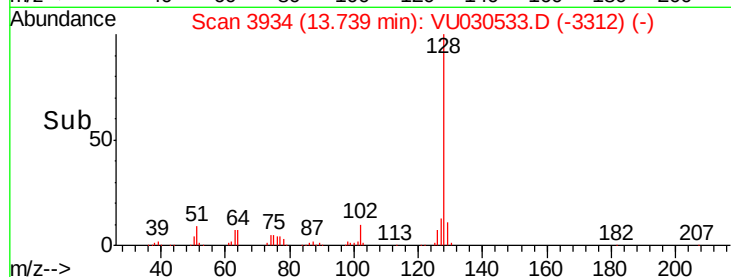
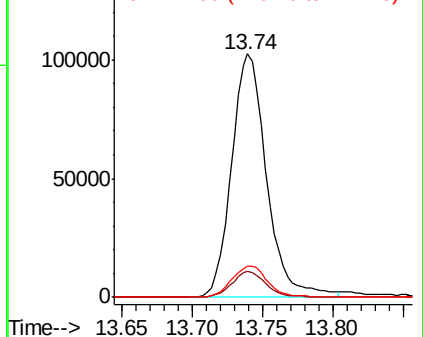
127 13.1 10.5 15.7



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: 5.356 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030533.D

Acq: 29 Mar 2019 09:54

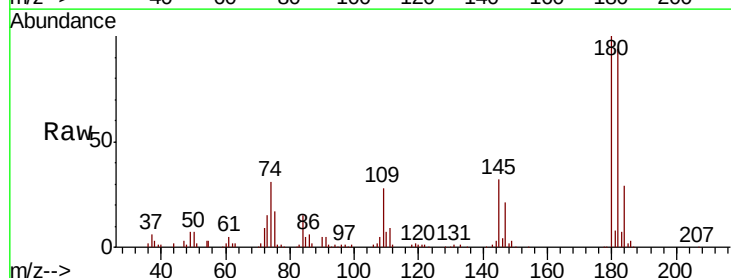
Tgt Ion:180 Resp: 104037

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 33.4 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

