

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031268.D
 Acq On : 17 Apr 2019 19:50
 Operator : JC/SP
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Apr 18 08:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	330923	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309731	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	148553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	265171	10.46	ug/L	0.00
7) Chloroethane-d5	1.68	69	225767	11.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	563982	10.82	ug/L	0.00
20) 2-Butanone-d5	4.21	46	661878	103.42	ug/L	0.00
24) Chloroform-d	4.64	84	397787	9.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	202203	9.11	ug/L	0.00
32) Benzene-d6	5.33	84	838222	10.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	270565	10.02	ug/L	0.00
41) Toluene-d8	7.56	98	785935	10.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	113886	11.14	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	568191	126.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	217511	11.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	283492	11.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	272378	7.832	ug/L 99
3) Chloromethane	1.32	50	337742	8.176	ug/L 100
5) Vinyl chloride	1.40	62	333218	8.743	ug/L 100
6) Bromomethane	1.63	94	204267	10.460	ug/L 98
8) Chloroethane	1.70	64	211527	9.564	ug/L 100
9) Trichlorofluoromethane	1.88	101	449989	10.117	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	257279	10.341	ug/L 99
12) 1,1-Dichloroethene	2.28	96	260039	10.756	ug/L 96
13) Acetone	2.35	43	515286	103.065	ug/L 99
14) Carbon disulfide	2.47	76	872747	10.349	ug/L 99
15) Methyl Acetate	2.62	43	145975	11.382	ug/L 99
16) Methylene chloride	2.70	84	288528	10.196	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	722486	11.131	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	278821	10.798	ug/L 99
19) 1,1-Dichloroethane	3.44	63	412506	8.085	ug/L 98
21) 2-Butanone	4.29	43	697393	92.015	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	248423	9.414	ug/L 93
23) Bromochloromethane	4.54	128	108224	10.221	ug/L 90
25) Chloroform	4.67	83	408861	8.693	ug/L 100
27) 1,2-Dichloroethane	5.40	62	257149	8.437	ug/L 99
29) 1,1,1-Trichloroethane	4.91	97	338210	8.866	ug/L 97
30) Cyclohexane	4.99	56	403193	8.742	ug/L 99
31) Carbon tetrachloride	5.13	117	295828	9.188	ug/L 99
33) Benzene	5.38	78	938321	9.221	ug/L 100
34) Trichloroethene	6.18	95	251551	9.780	ug/L 96
35) Methylcyclohexane	6.41	83	382703	9.449	ug/L 98
37) 1,2-Dichloropropane	6.43	63	252265	9.062	ug/L 98
38) Bromodichloromethane	6.75	83	301020	9.238	ug/L 100
39) cis-1,3-Dichloropropene	7.26	75	372616	10.031	ug/L 98
40) 4-Methyl-2-pentanone	7.46	43	1704329	97.908	ug/L 100

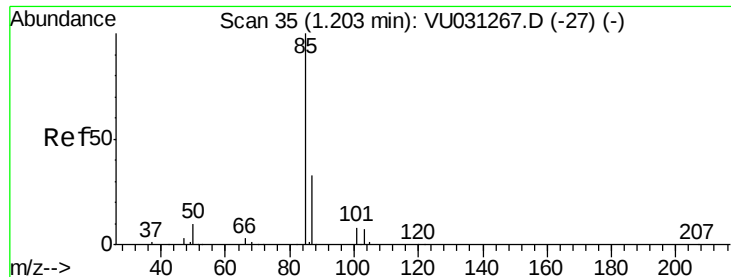
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031268.D
 Acq On : 17 Apr 2019 19:50
 Operator : JC/SP
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Apr 18 08:01:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1031050	10.020	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	290024	9.979	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	176595	10.338	ug/L	97
47) Tetrachloroethene	8.22	164	193078	10.499	ug/L	95
48) 2-Hexanone	8.36	43	1196578	99.511	ug/L	98
49) Dibromochloromethane	8.47	129	209791	10.387	ug/L	97
50) 1,2-Dibromoethane	8.58	107	171113	10.758	ug/L	96
51) Chlorobenzene	9.12	112	628121	9.846	ug/L	99
52) Ethylbenzene	9.24	91	1107591	10.115	ug/L	99
53) m,p-Xylene	9.37	106	414004	10.704	ug/L	99
54) o-Xylene	9.77	106	408678	10.752	ug/L	100
55) Styrene	9.79	104	693607	10.909	ug/L	96
56) Isopropylbenzene	10.16	105	1064887	10.530	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	223629	10.020	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	155102	9.831	ug/L	96
61) Bromoform	9.95	173	123154	10.989	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	473960	10.129	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	479603	9.832	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	460121	10.096	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	35456	10.151	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	381297	10.904	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	324579	11.871	ug/L	100
69) Naphthalene	13.74	128	655434	13.835	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	309002	11.983	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 7.832 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

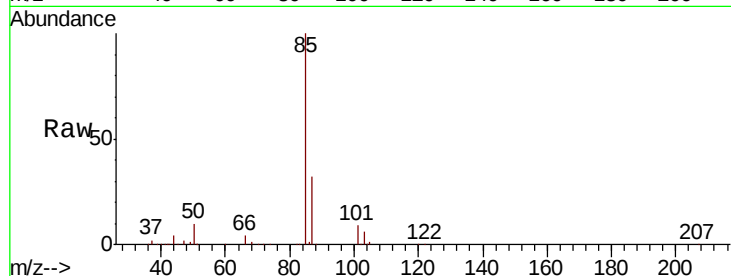
VSTD01005

Tgt Ion: 85 Resp: 272378

Ion Ratio Lower Upper

85 100

87 32.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU031267.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031267.D (-27) (-)

1.20

250000

200000

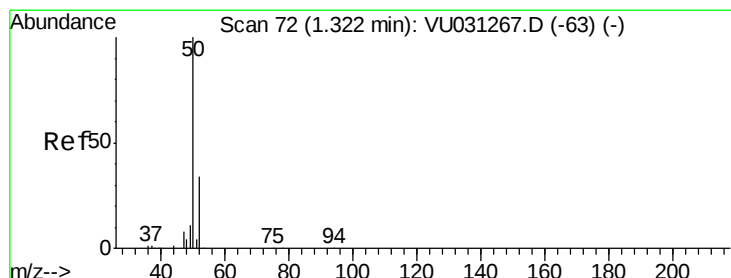
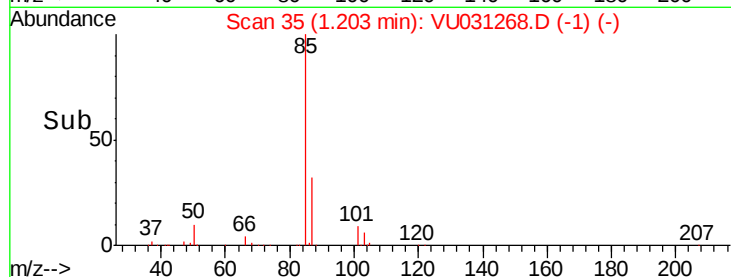
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 8.176 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031268.D

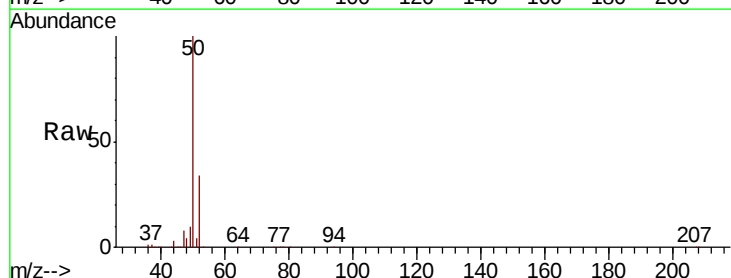
Acq: 17 Apr 2019 19:50

Tgt Ion: 50 Resp: 337742

Ion Ratio Lower Upper

50 100

52 33.7 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU031267.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU031267.D (-63) (-)

1.32

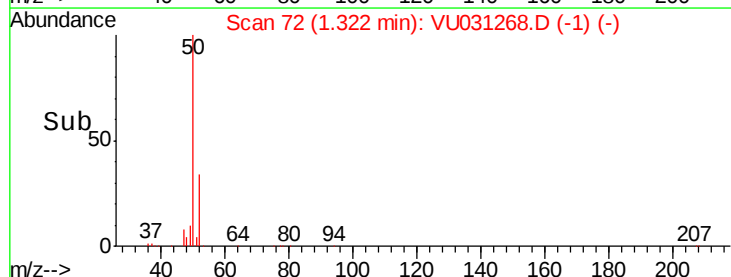
300000

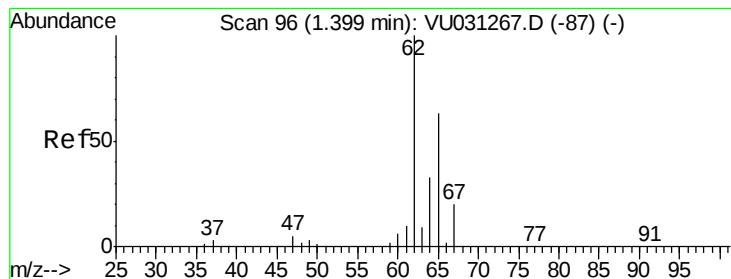
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 8.743 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

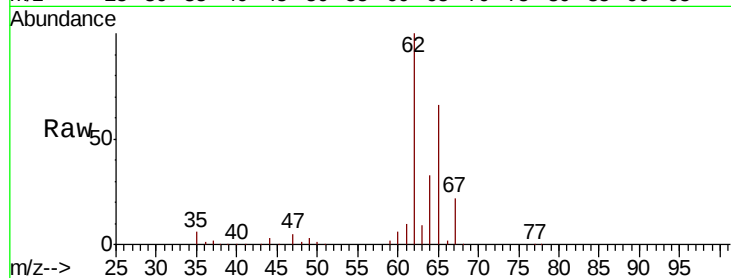
VSTD01005

Tgt Ion: 62 Resp: 333218

Ion Ratio Lower Upper

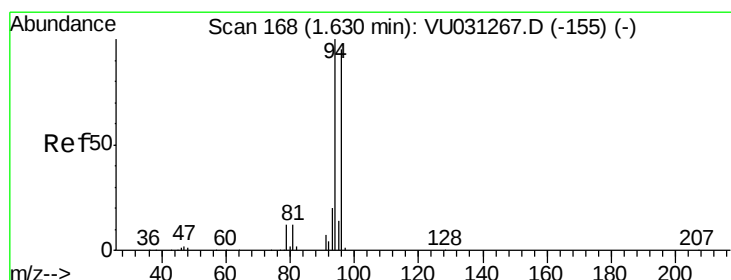
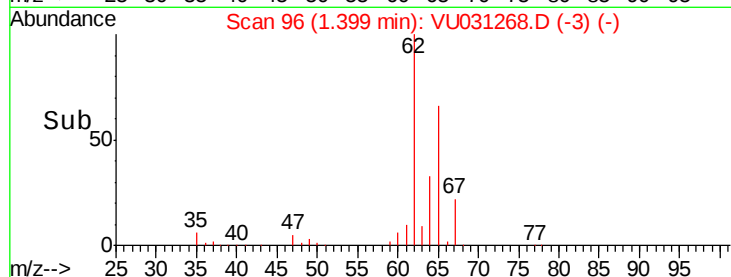
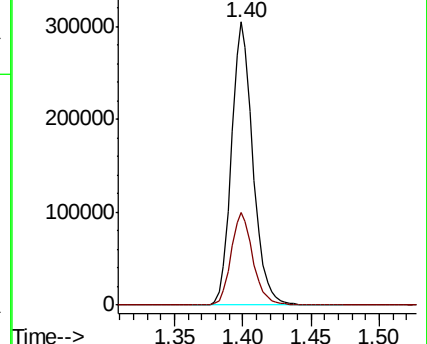
62 100

64 32.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 10.460 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031268.D

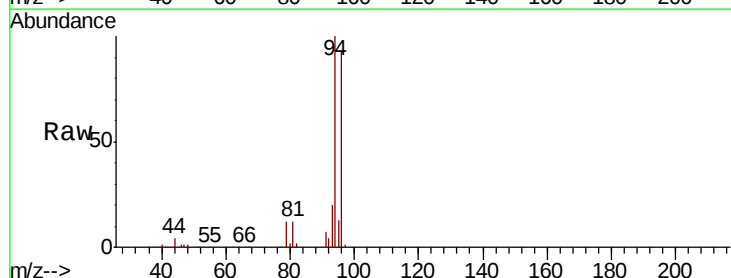
Acq: 17 Apr 2019 19:50

Tgt Ion: 94 Resp: 204267

Ion Ratio Lower Upper

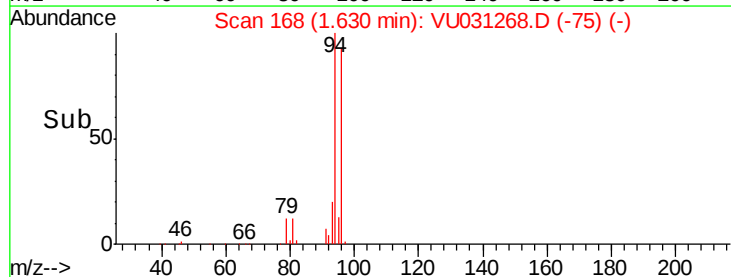
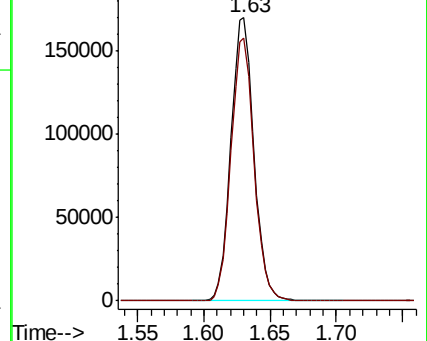
94 100

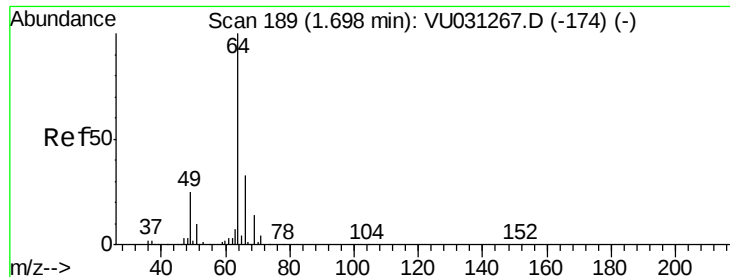
96 93.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.564 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

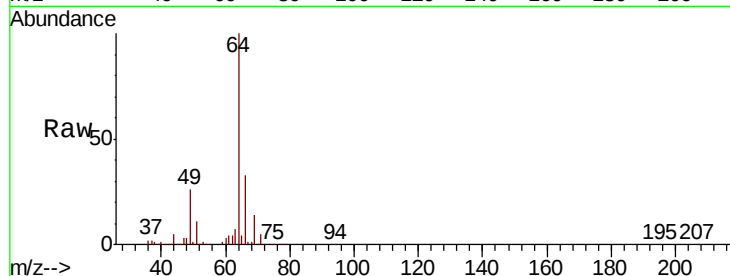
VSTD01005

Tgt Ion: 64 Resp: 211527

Ion Ratio Lower Upper

64 100

66 33.0 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VU031268.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU031268.D (-174) (-)

1.70

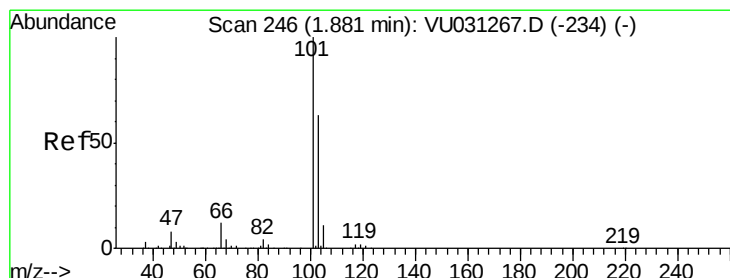
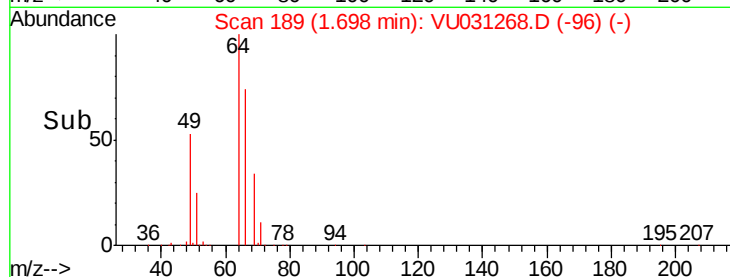
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.117 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031268.D

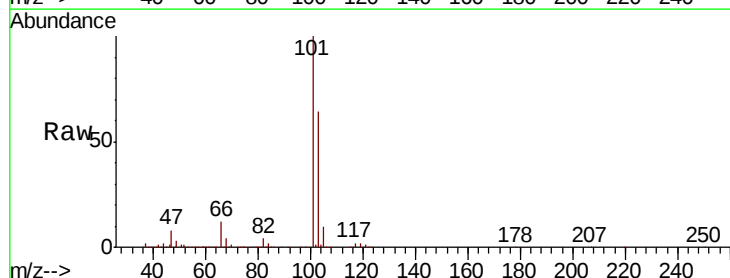
Acq: 17 Apr 2019 19:50

Tgt Ion: 101 Resp: 449989

Ion Ratio Lower Upper

101 100

103 64.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU031268.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU031268.D (-234) (-)

1.88

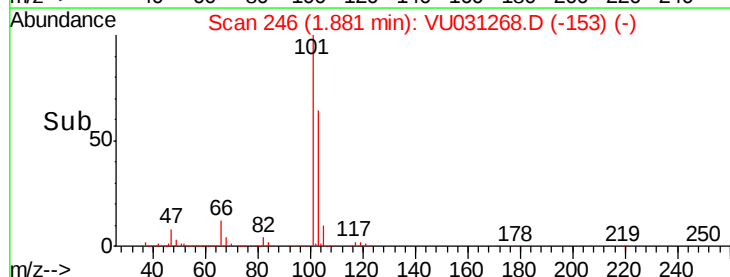
300000

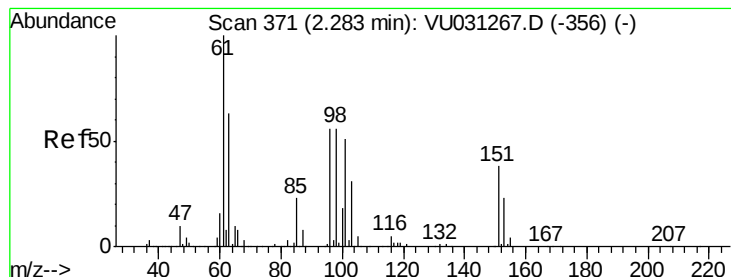
200000

100000

0

Time-->





#10

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

Concen: 10.341 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

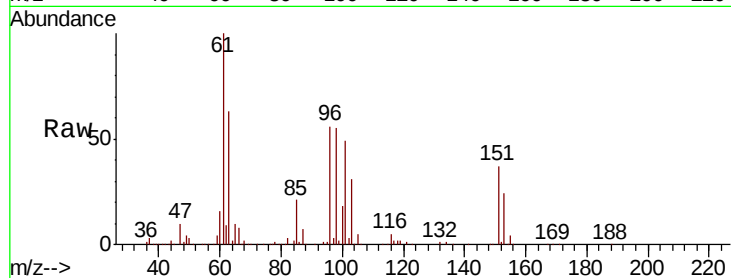
Tgt Ion: 101 Resp: 257279

Ion Ratio Lower Upper

101 100

85 42.2 34.5 51.7

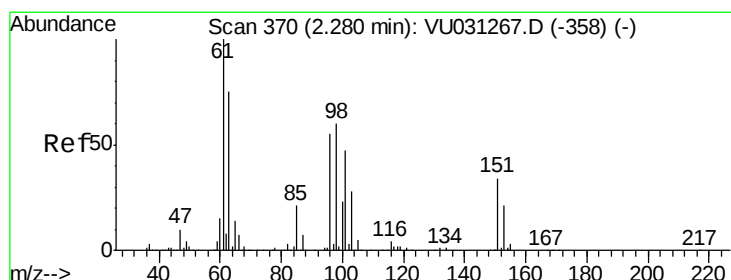
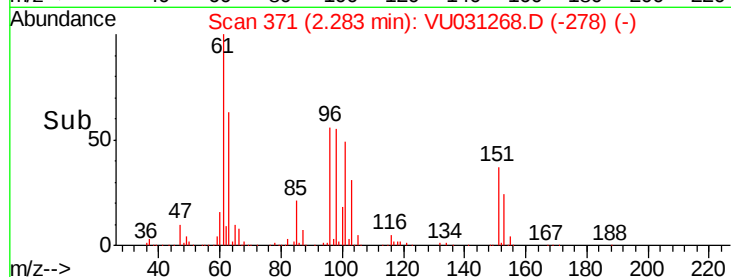
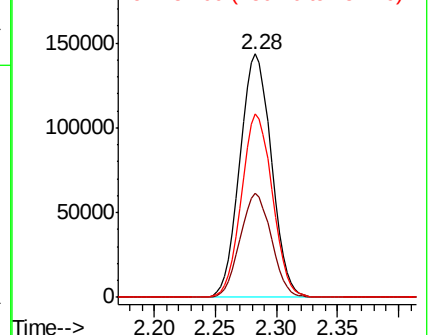
151 73.7 58.4 87.6



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: 10.756 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

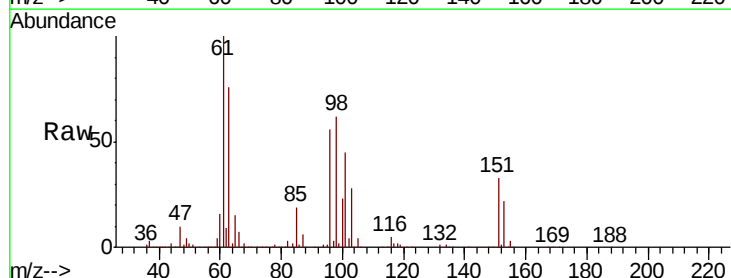
Tgt Ion: 96 Resp: 260039

Ion Ratio Lower Upper

96 100

61 179.3 128.5 238.7

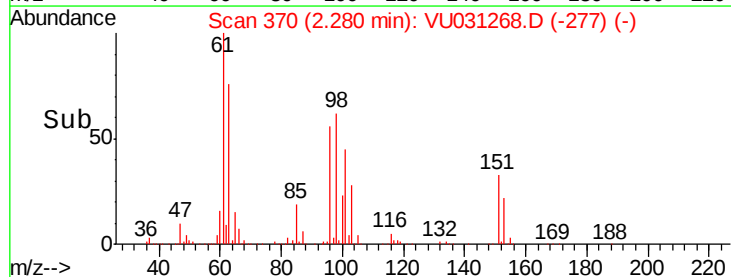
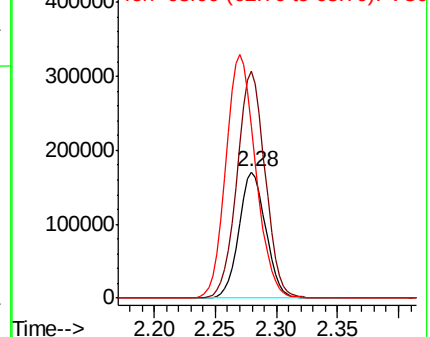
63 135.9 98.9 183.7

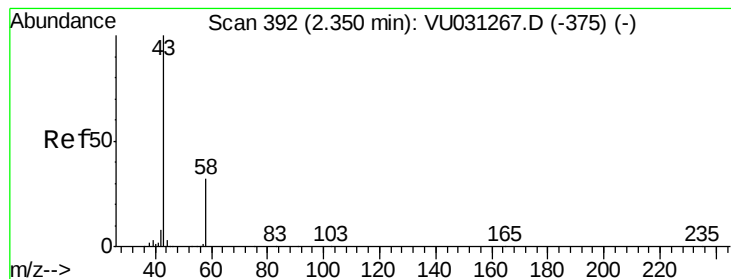


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.065 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

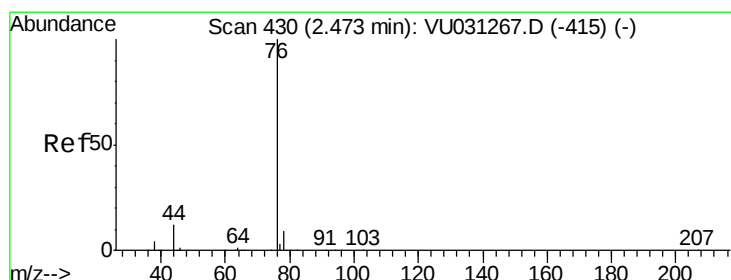
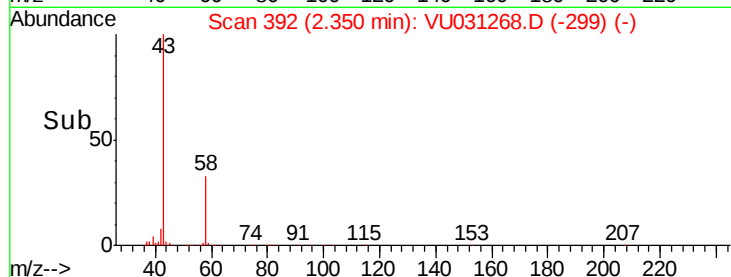
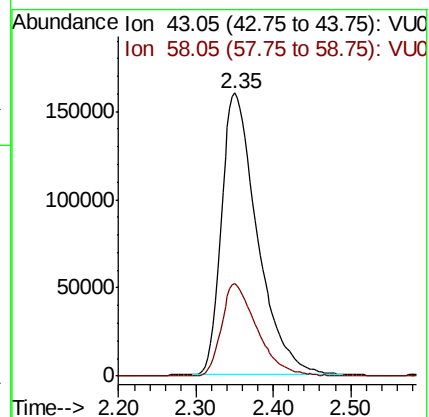
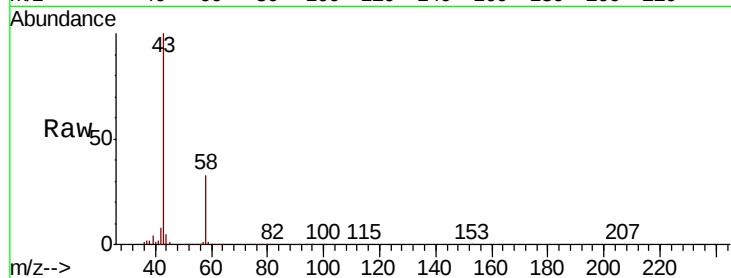
VSTD01005

Tgt Ion: 43 Resp: 515286

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.8



#14

Carbon disulfide

Concen: 10.349 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031268.D

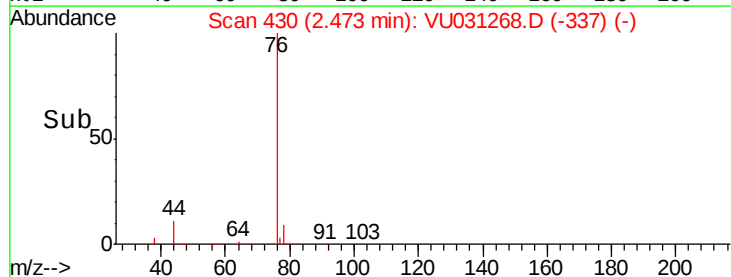
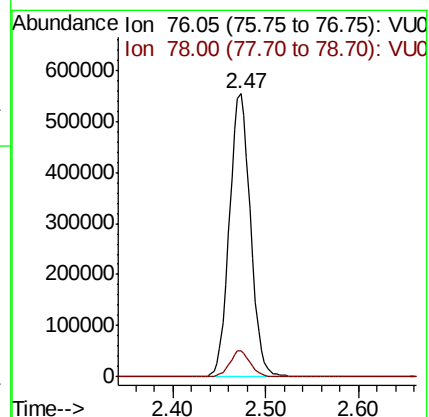
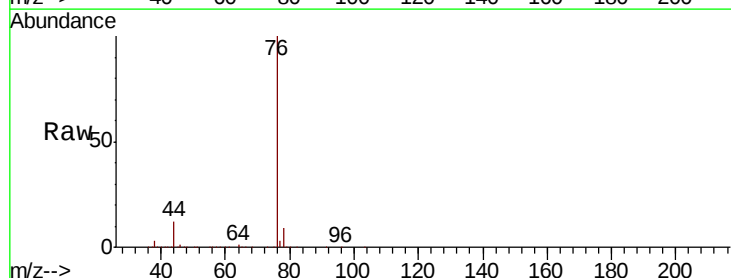
Acq: 17 Apr 2019 19:50

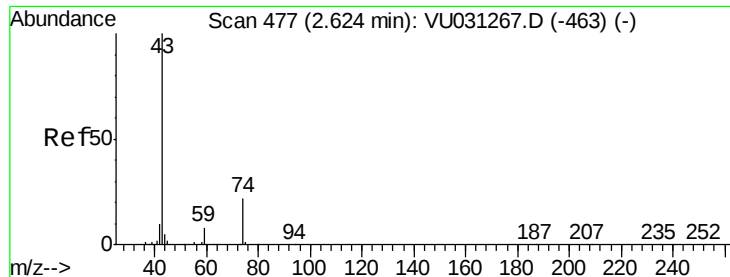
Tgt Ion: 76 Resp: 872747

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

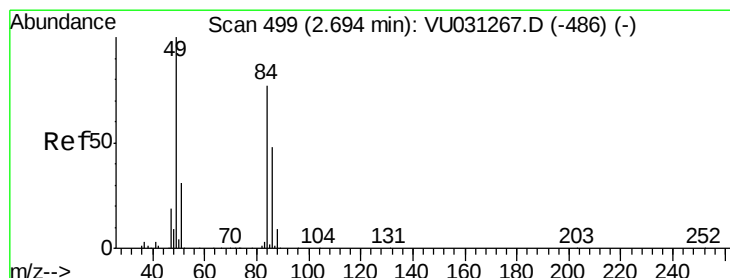
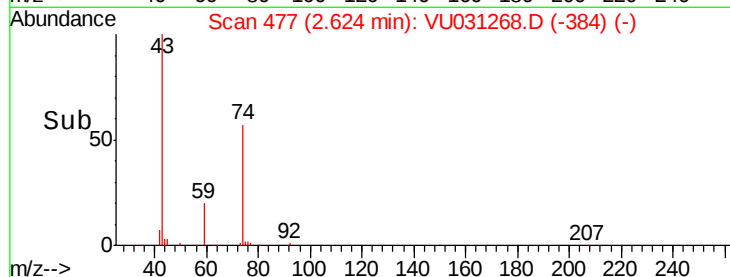
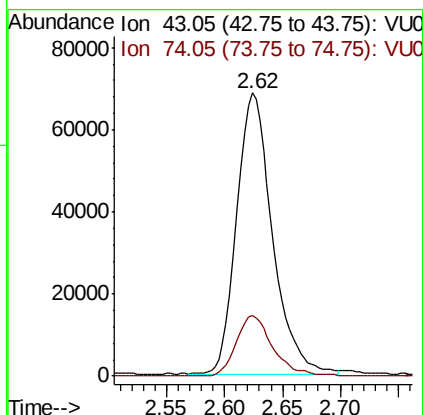
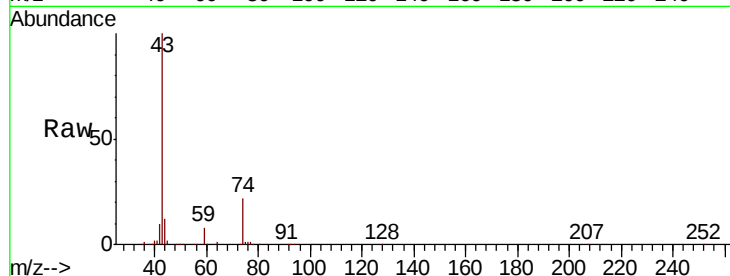




#15
Methyl Acetate
Concen: 11.382 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

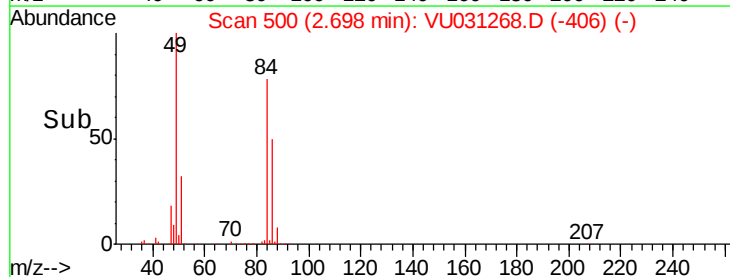
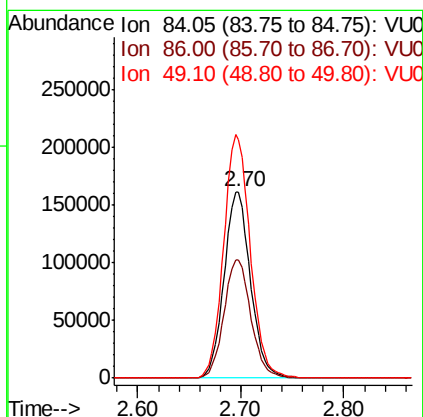
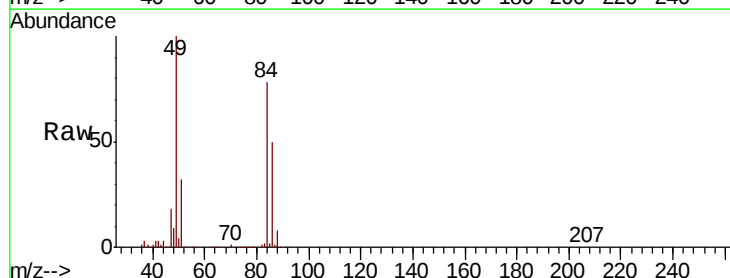
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

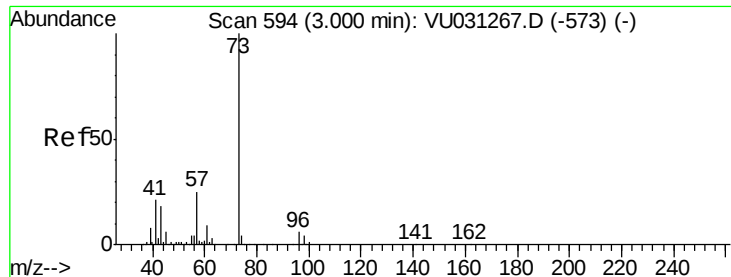
Tgt Ion: 43 Resp: 145975
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.6



#16
Methylene chloride
Concen: 10.196 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

Tgt Ion: 84 Resp: 288528
Ion Ratio Lower Upper
84 100
86 63.6 44.0 81.6
49 128.3 90.9 168.9



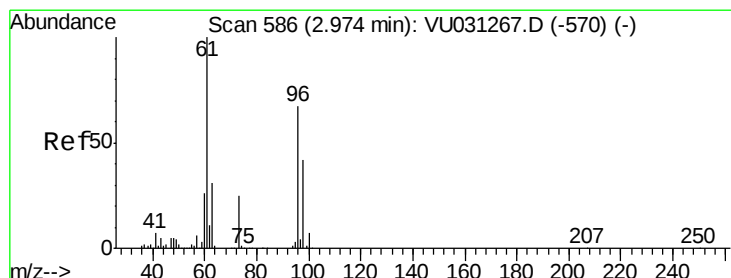
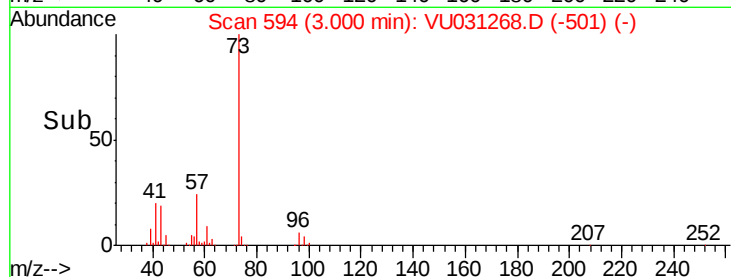
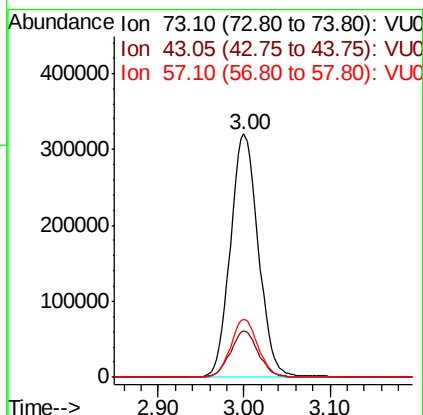
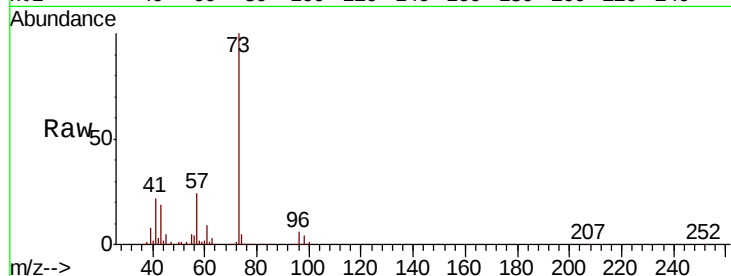


#17

Methyl tert-butyl Ether
 Concen: 11.131 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

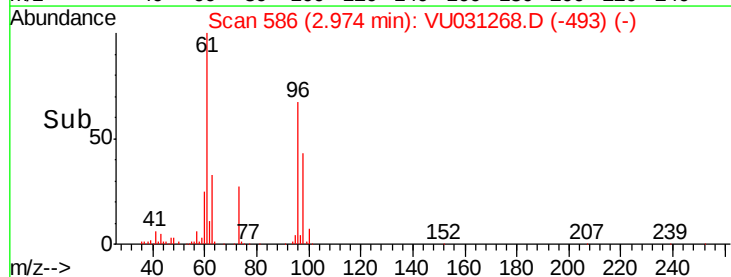
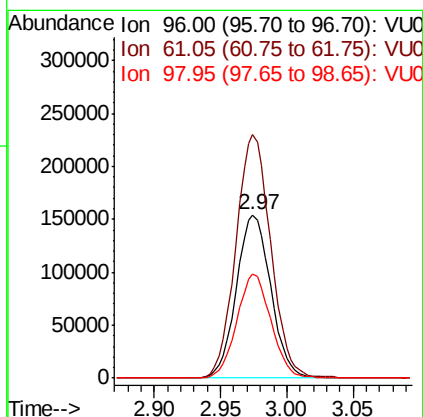
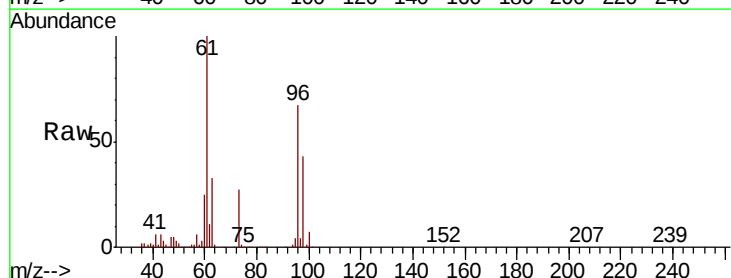
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.2	22.8
57	23.4	19.4	29.0

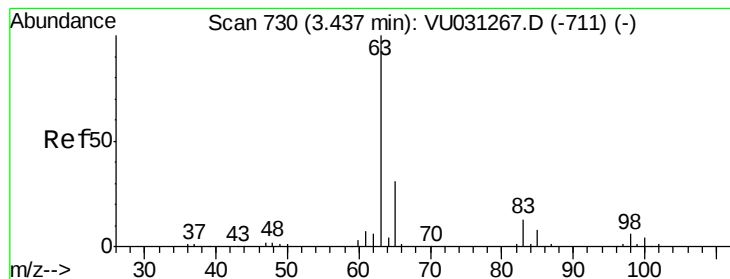


#18

trans-1,2-Dichloroethene
 Concen: 10.798 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.8	105.0	195.0
98	63.9	43.9	81.5





#19

1,1-Dichloroethane

Concen: 8.085 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

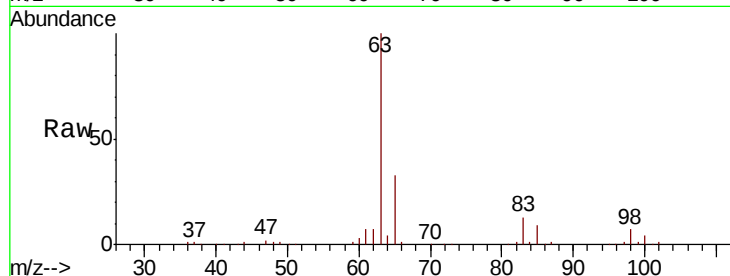
Tgt Ion: 63 Resp: 412506

Ion Ratio Lower Upper

63 100

65 32.5 21.6 40.2

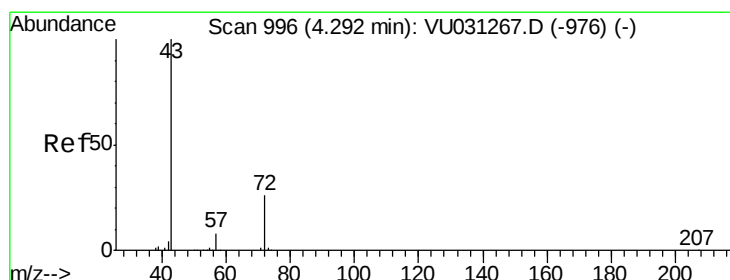
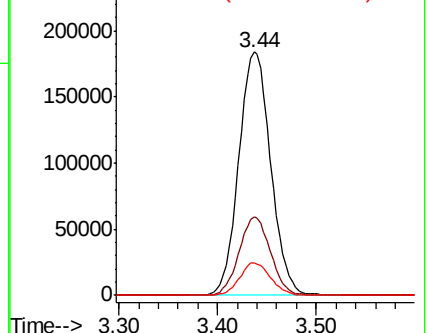
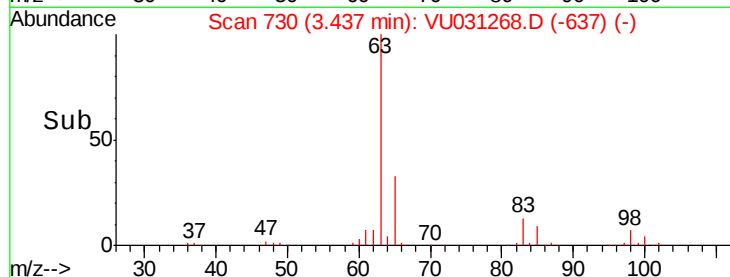
83 13.2 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU031268.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU031268.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU031268.D (-637) (-)



#21

2-Butanone

Concen: 92.015 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.00 min

Lab File: VU031268.D

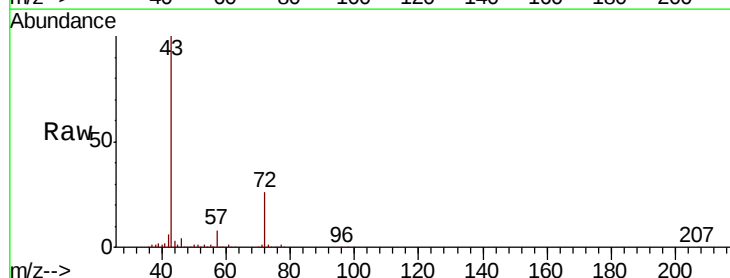
Acq: 17 Apr 2019 19:50

Tgt Ion: 43 Resp: 697393

Ion Ratio Lower Upper

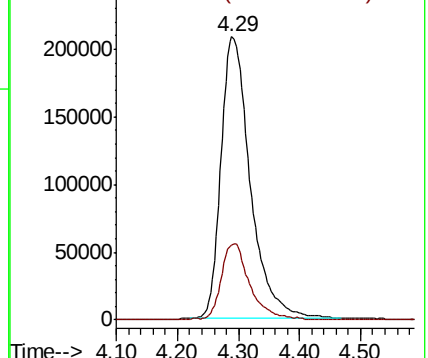
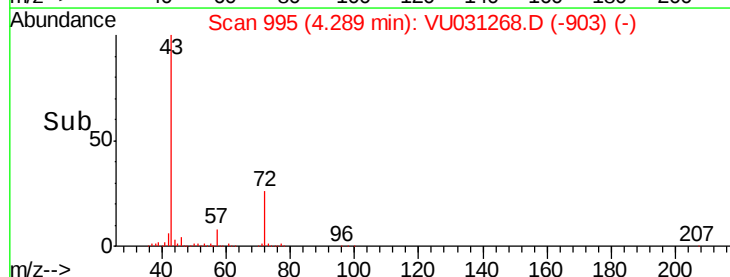
43 100

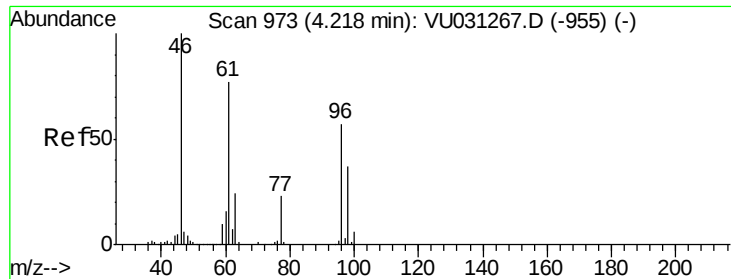
72 25.3 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU031268.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VU031268.D (-903) (-)



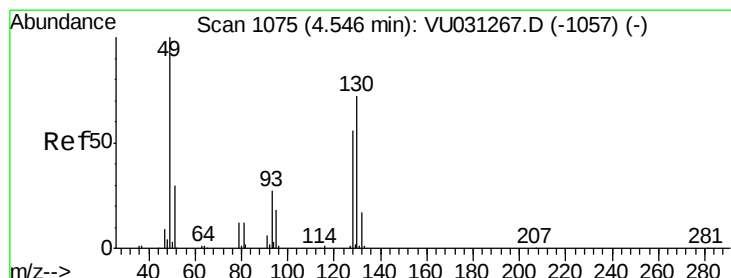
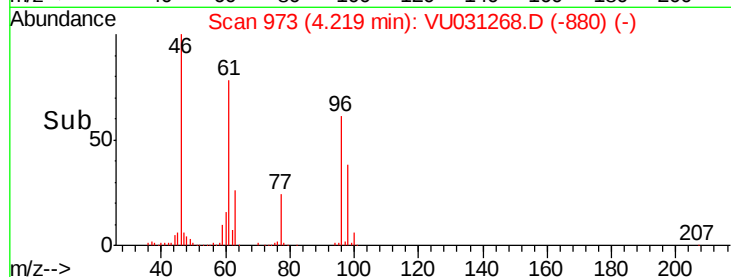
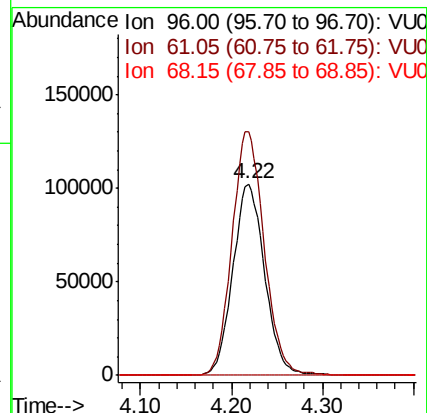
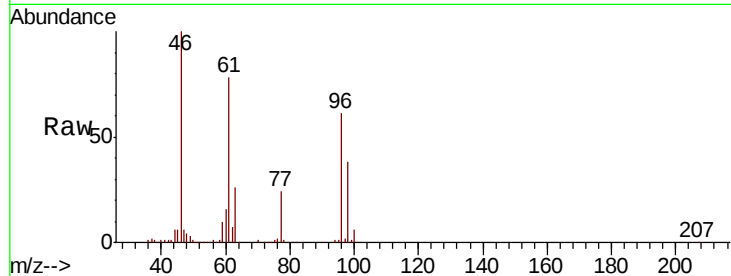


#22

cis-1,2-Dichloroethene
 Concen: 9.414 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

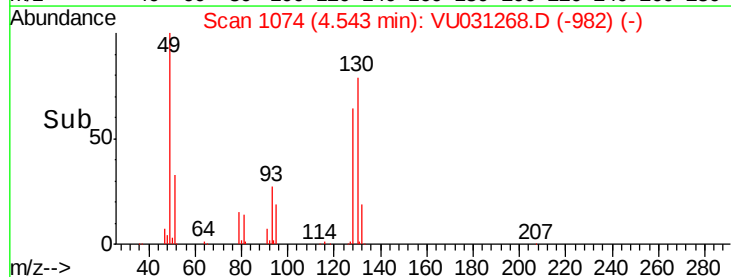
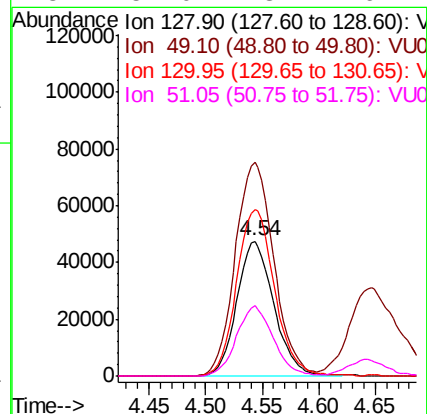
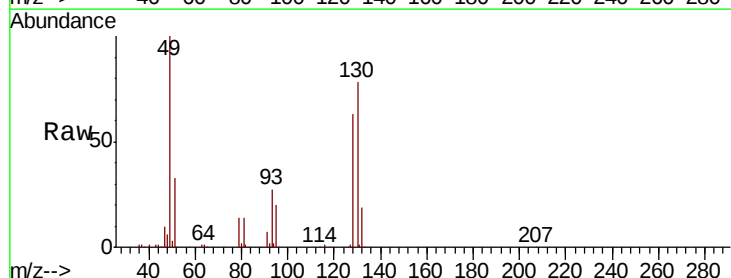
Tgt Ion: 96 Resp: 248423
 Ion Ratio Lower Upper
 96 100
 61 127.2 95.1 176.7
 68 0.0 0.0 0.0

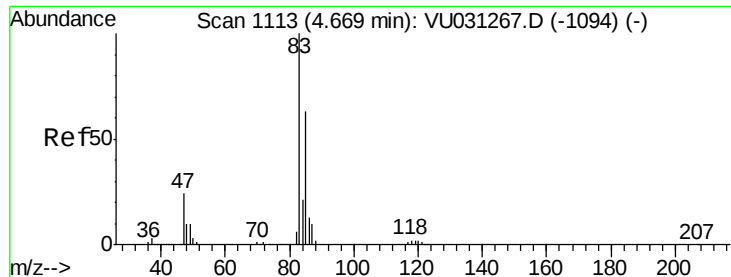


#23

Bromochloromethane
 Concen: 10.221 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion: 128 Resp: 108224
 Ion Ratio Lower Upper
 128 100
 49 158.9 125.7 233.5
 130 123.6 91.0 169.0
 51 52.0 43.1 64.7

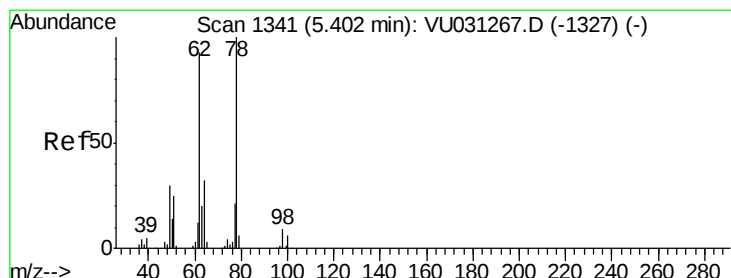
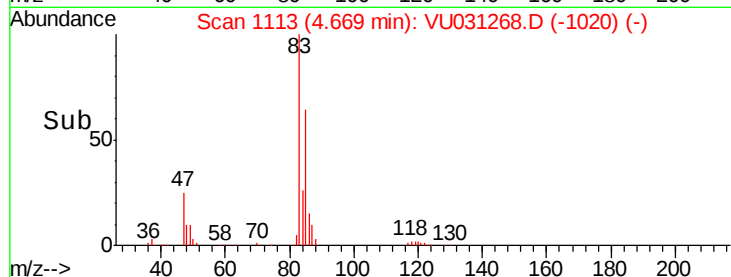
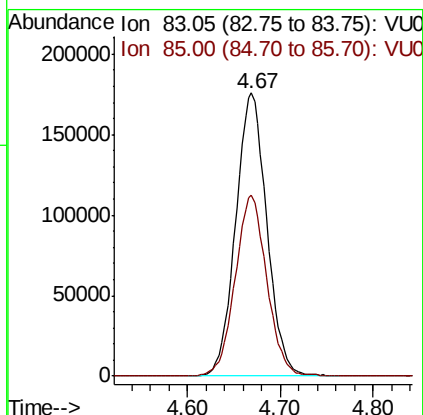
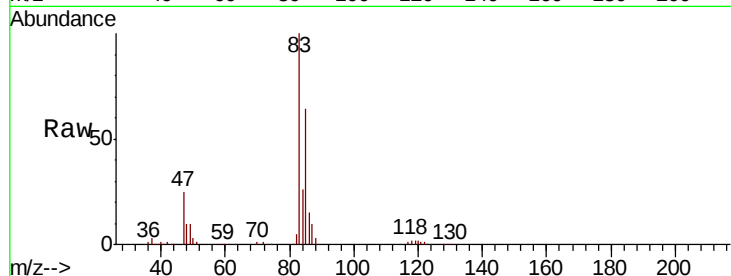




#25
Chloroform
Concen: 8.693 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

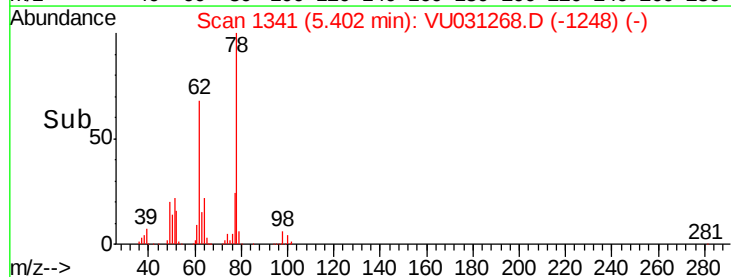
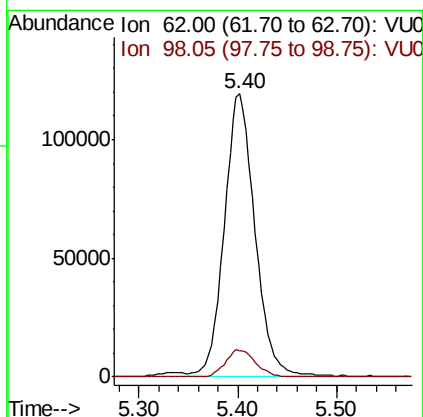
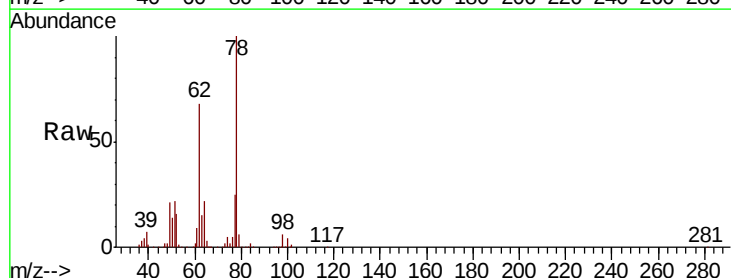
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

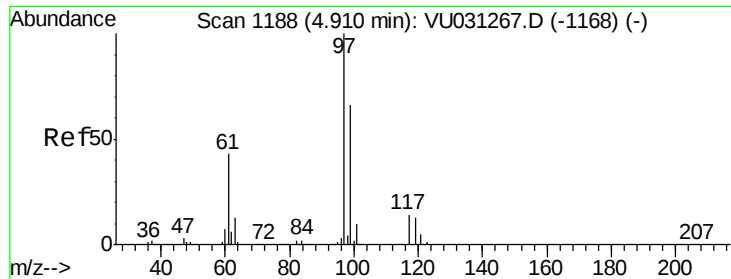
Tgt Ion: 83 Resp: 408861
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 8.437 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

Tgt Ion: 62 Resp: 257149
Ion Ratio Lower Upper
62 100
98 9.4 7.3 10.9

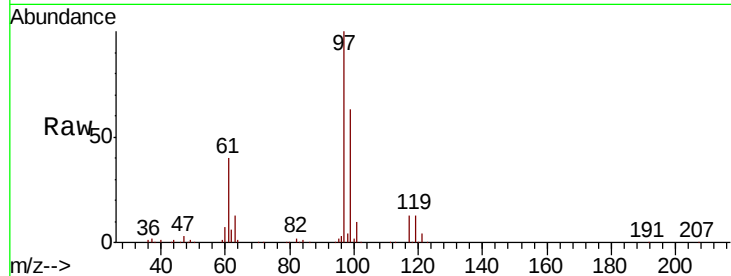




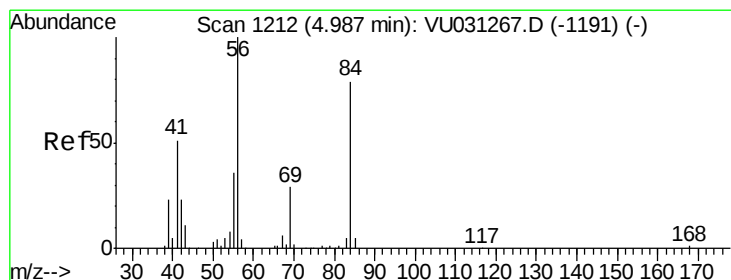
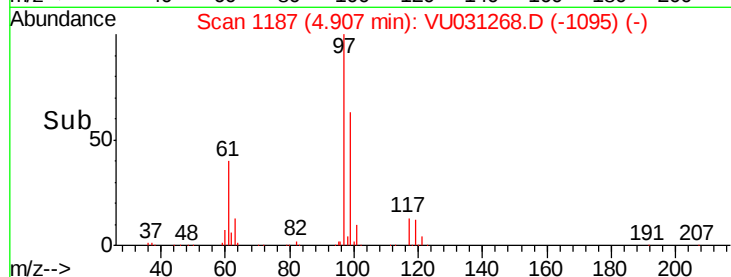
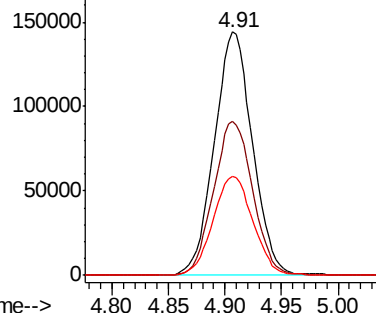
#29
 1,1,1-Trichloroethane
 Concen: 8.866 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion: 97 Resp: 338210
 Ion Ratio Lower Upper
 97 100
 99 64.9 53.9 80.9
 61 42.7 35.0 52.6

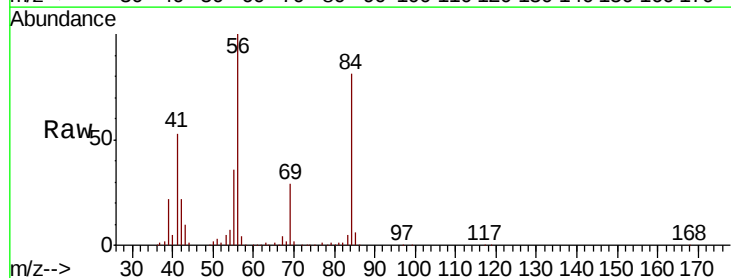


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

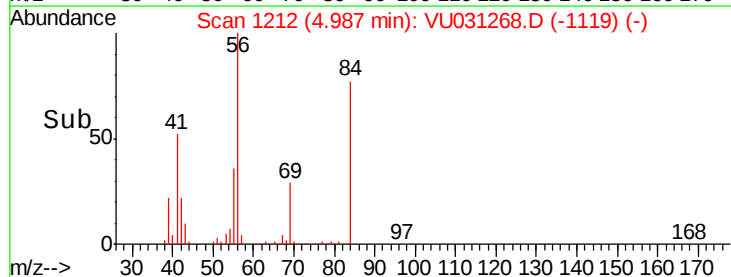
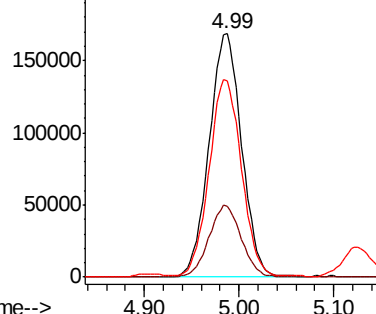


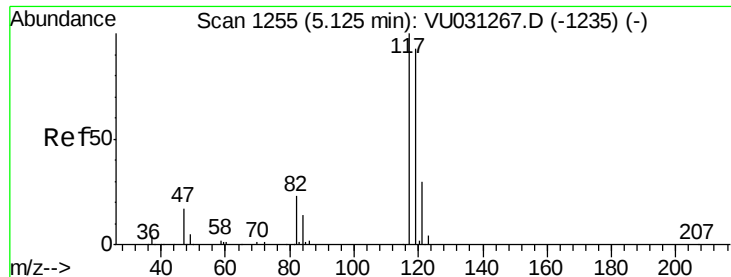
#30
 Cyclohexane
 Concen: 8.742 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion: 56 Resp: 403193
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.3 34.9
 84 80.2 65.2 97.8



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: 9.188 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

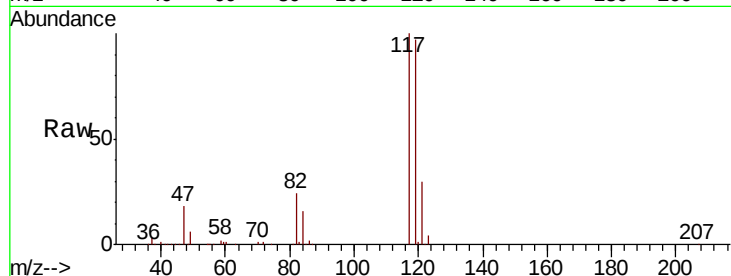
VSTD01005

Tgt Ion:117 Resp: 295828

Ion Ratio Lower Upper

117 100

119 96.6 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

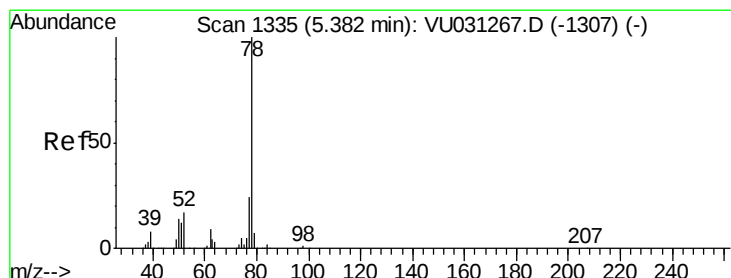
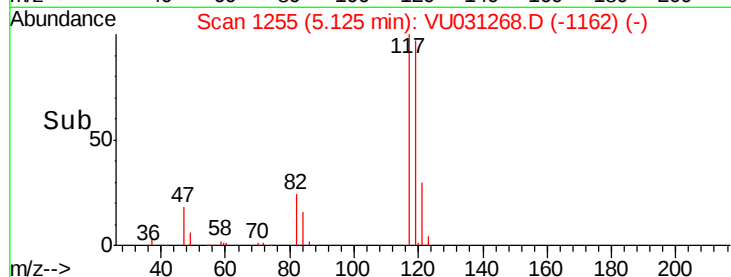
150000

100000

50000

0

Time--> 5.00 5.10 5.20



#33

Benzene

Concen: 9.221 ug/L

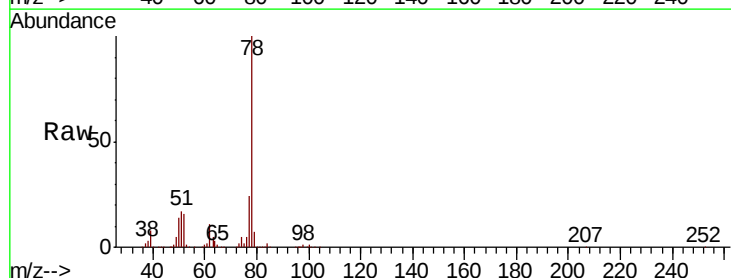
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Tgt Ion: 78 Resp: 938321



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

500000

400000

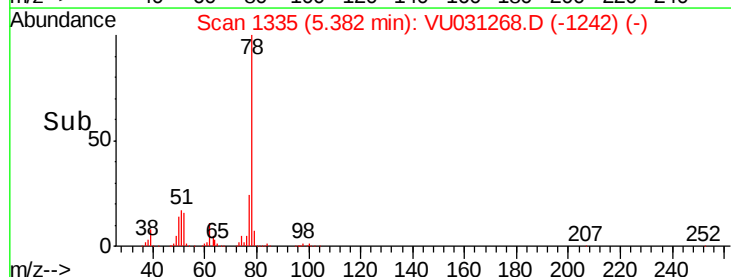
300000

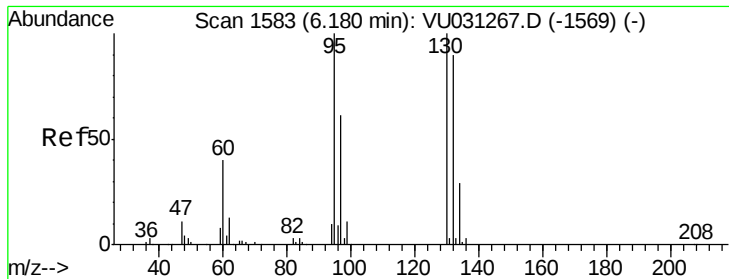
200000

100000

0

Time--> 5.20 5.30 5.40 5.50

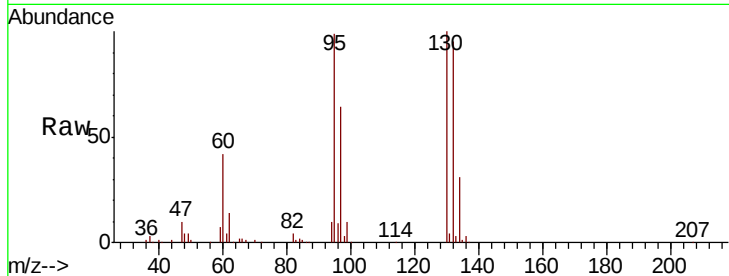




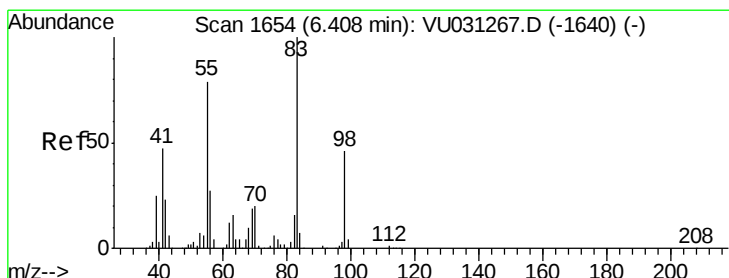
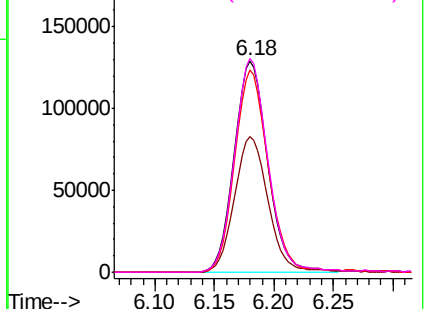
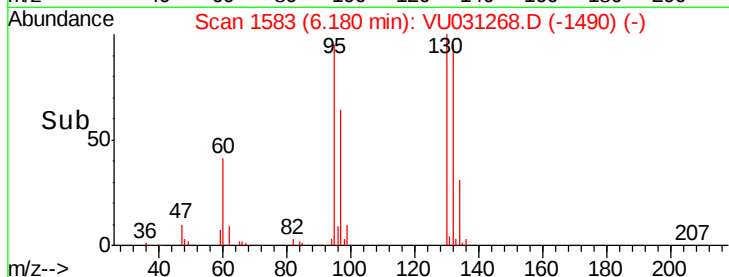
#34
 Trichloroethene
 Concen: 9.780 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion: 95 Resp: 251551
 Ion Ratio Lower Upper
 95 100
 97 64.4 42.7 79.3
 132 95.6 62.7 116.5
 130 101.1 69.7 129.4

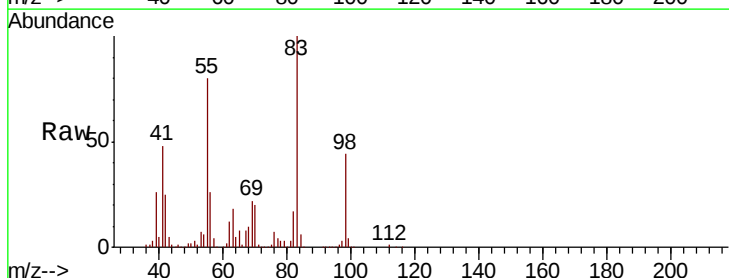


Abundance Ion 95.00 (94.70 to 95.70): VU0
 200000 Ion 96.95 (96.65 to 97.65): VU0
 150000 Ion 131.95 (131.65 to 132.65): V
 100000 Ion 129.95 (129.65 to 130.65): V

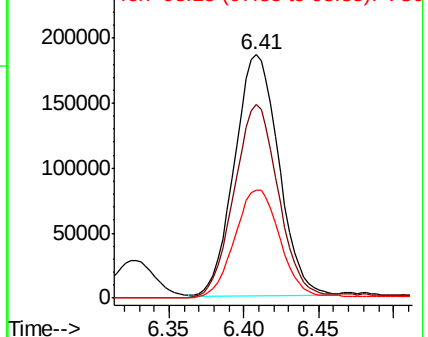
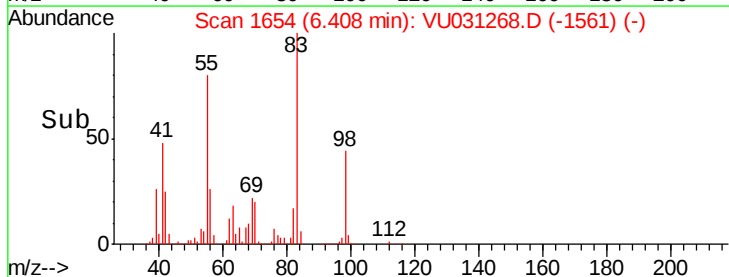


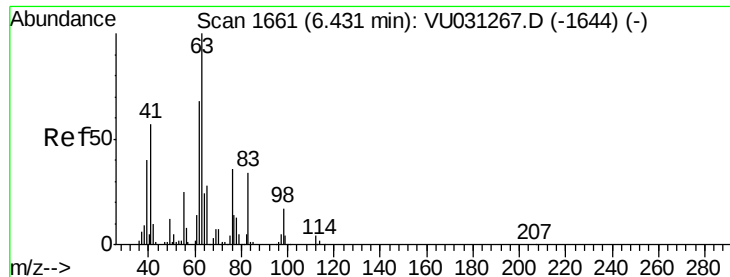
#35
 Methylcyclohexane
 Concen: 9.449 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion: 83 Resp: 382703
 Ion Ratio Lower Upper
 83 100
 55 80.4 66.1 99.1
 98 46.7 37.8 56.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 250000 Ion 55.10 (54.80 to 55.80): VU0
 200000 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.062 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampled :

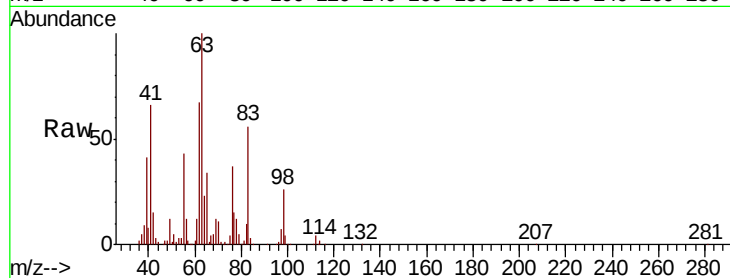
VSTD01005

Tgt Ion: 63 Resp: 252265

Ion Ratio Lower Upper

63 100

112 3.8 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU031268.D (-1660) (-)

Ion 112.10 (111.80 to 112.80): VU031268.D (-1660) (-)

150000

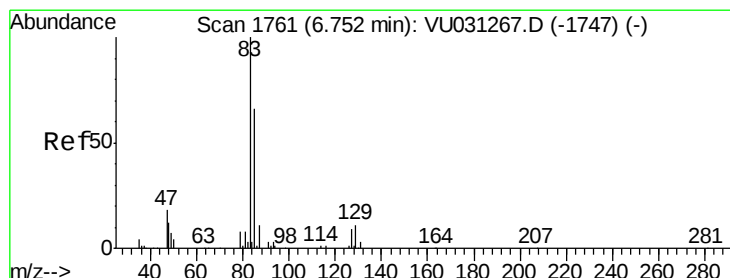
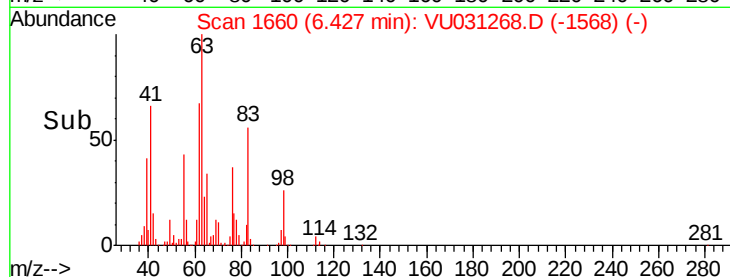
100000

50000

0

6.30 6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 9.238 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

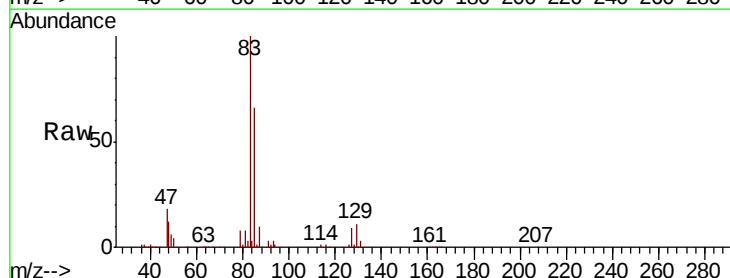
Tgt Ion: 83 Resp: 301020

Ion Ratio Lower Upper

83 100

85 65.6 46.0 85.4

127 9.0 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU031268.D (-1668) (-)

Ion 85.00 (84.70 to 85.70): VU031268.D (-1668) (-)

Ion 126.90 (126.60 to 127.60): VU031268.D (-1668) (-)

200000

150000

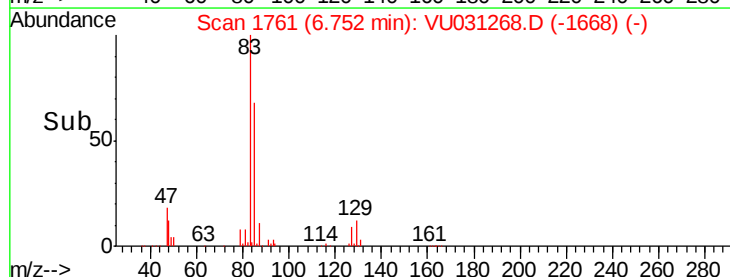
100000

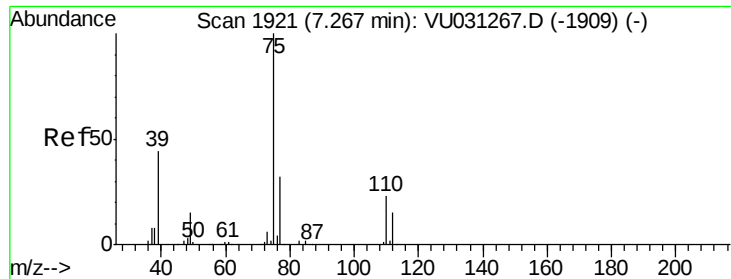
50000

0

6.70 6.80 6.90

Time-->

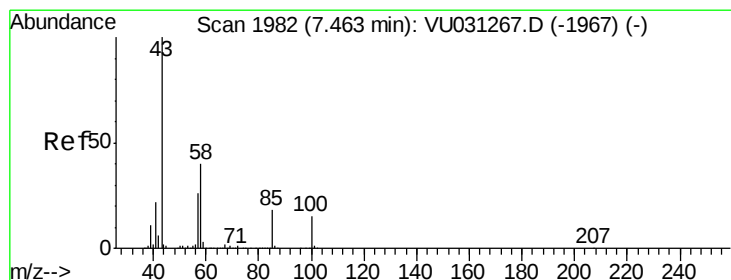
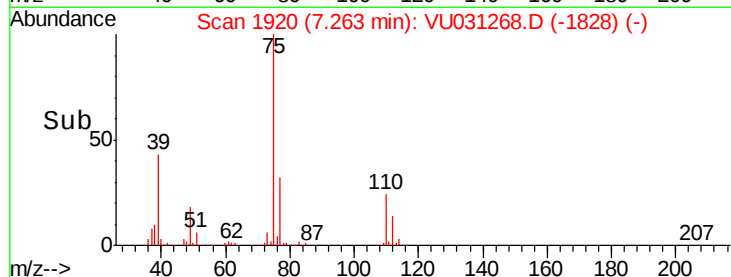
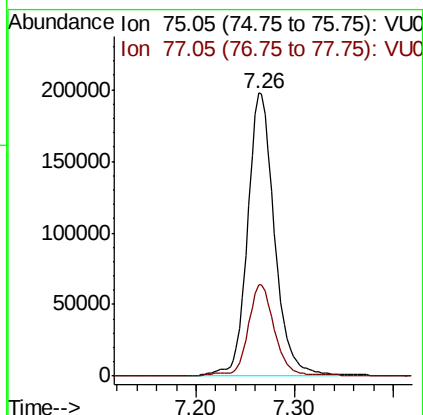
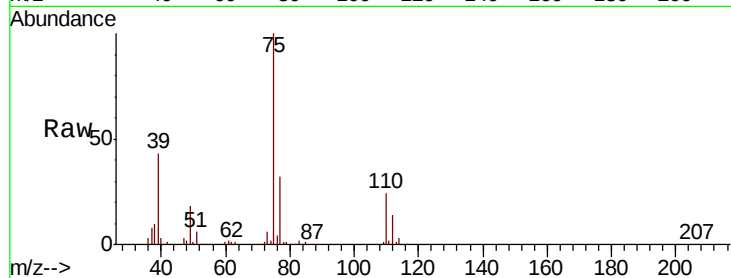




#39
 cis-1,3-Dichloropropene
 Concen: 10.031 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

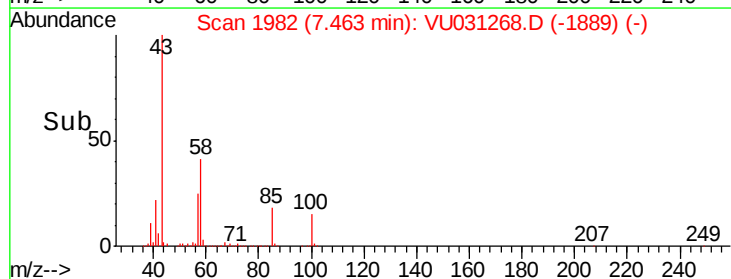
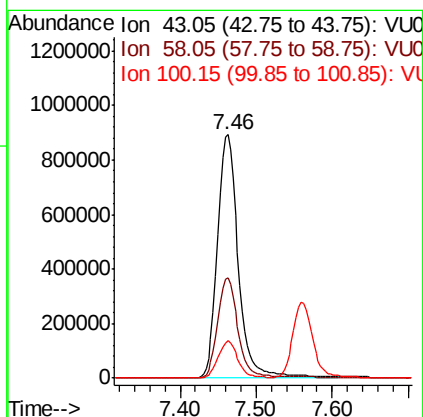
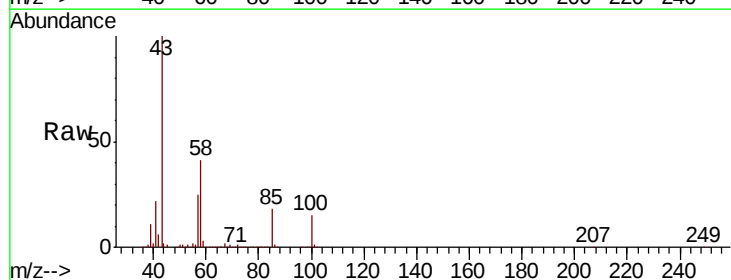
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

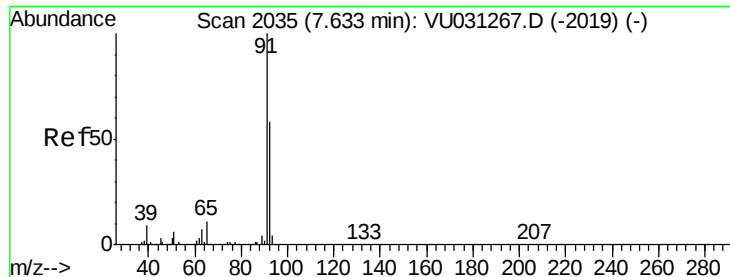
Tgt Ion: 75 Resp: 372616
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 97.908 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion: 43 Resp: 1704329
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.8 47.8
 100 14.6 11.5 17.3





#42

Toluene

Concen: 10.020 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

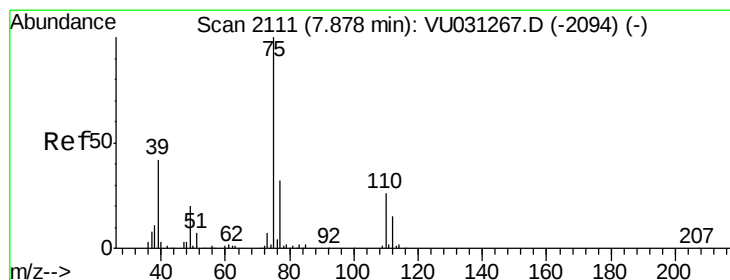
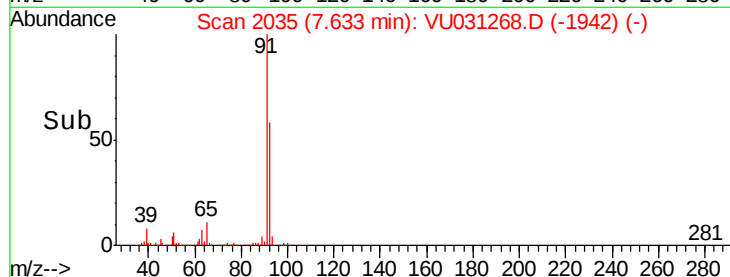
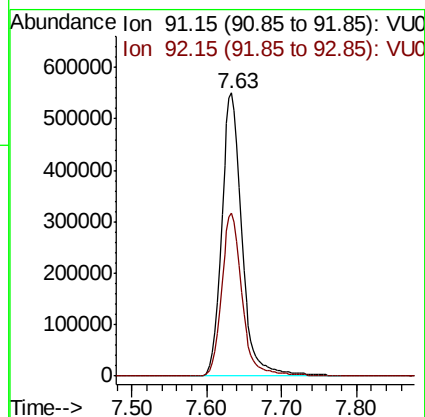
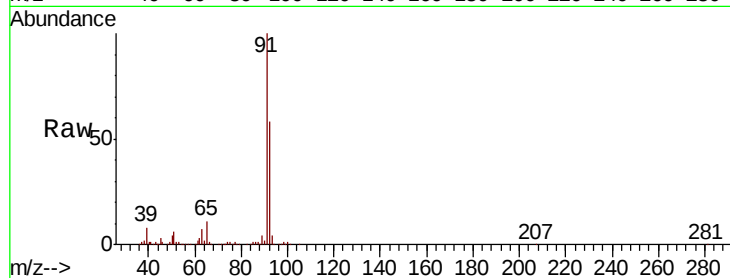
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 91 Resp: 1031050

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 9.979 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031268.D

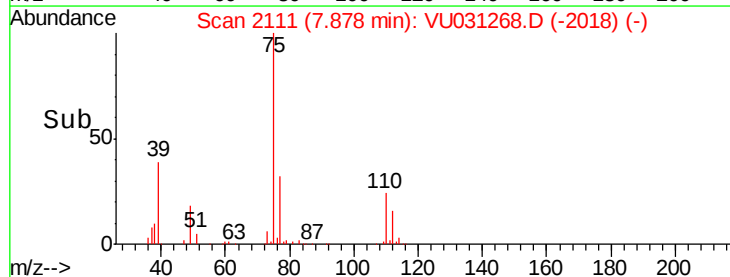
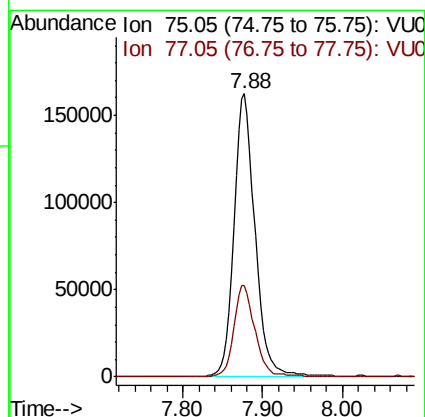
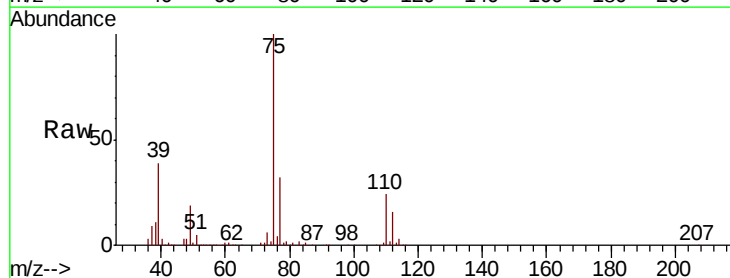
Acq: 17 Apr 2019 19:50

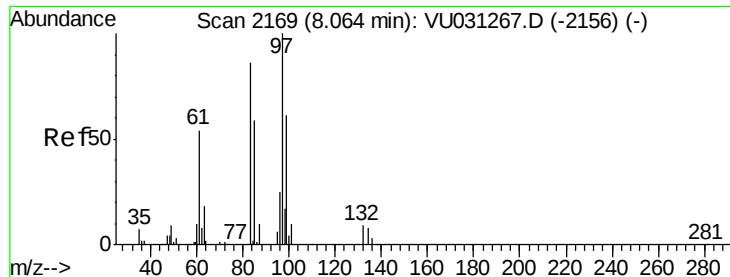
Tgt Ion: 75 Resp: 290024

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9

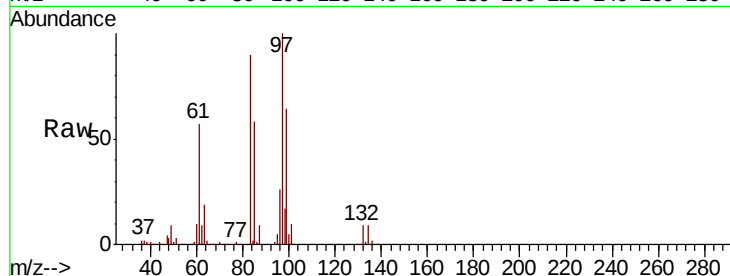




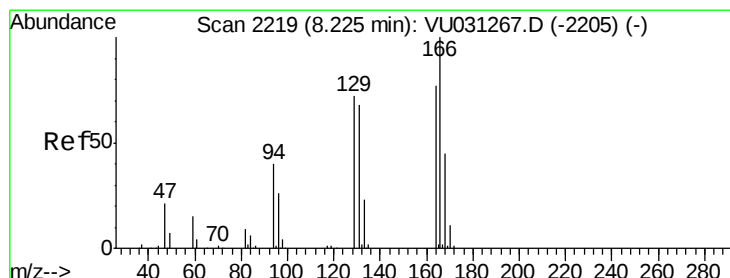
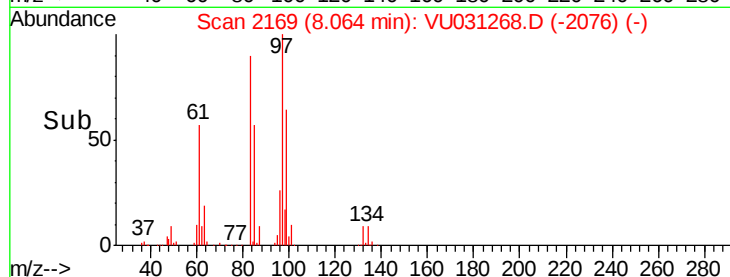
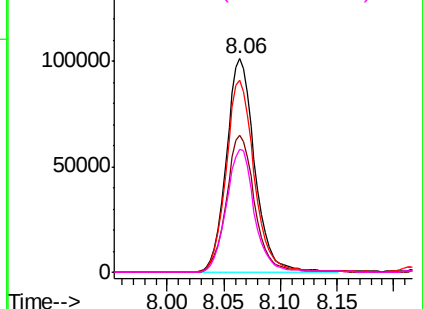
#45
 1,1,2-Trichloroethane
 Concen: 10.338 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:	97	Resp:	176595
Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.8	79.6
83	89.8	60.4	112.2
85	57.5	41.4	77.0

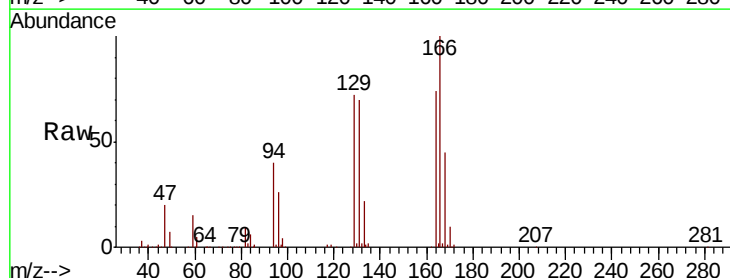


Abundance Ion 96.95 (96.65 to 97.65): VU031268.D (-2076) (-)
 Ion 99.05 (98.75 to 99.75): VU031268.D (-2076) (-)
 Ion 82.95 (82.65 to 83.65): VU031268.D (-2076) (-)
 Ion 85.00 (84.70 to 85.70): VU031268.D (-2076) (-)

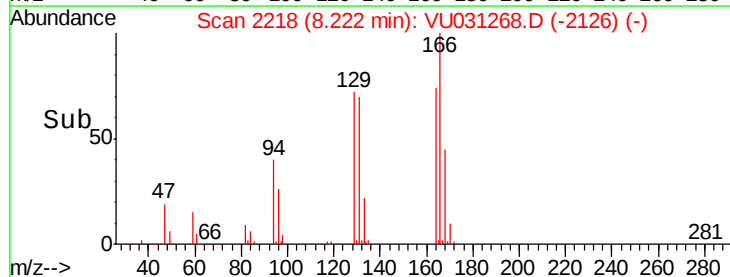
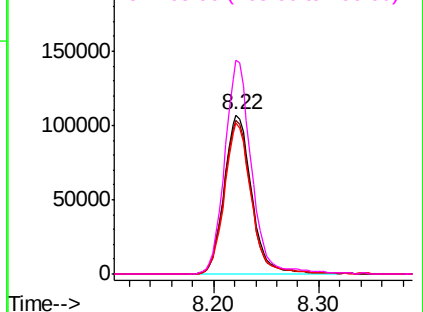


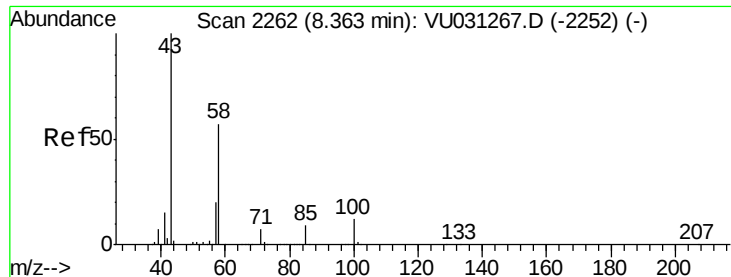
#47
 Tetrachloroethene
 Concen: 10.499 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion:	164	Resp:	193078
Ion	Ratio	Lower	Upper
164	100		
129	96.9	65.2	121.2
131	94.7	61.9	114.9
166	134.4	91.2	169.4



Abundance Ion 163.90 (163.60 to 164.60): VU031268.D (-2126) (-)
 Ion 128.95 (128.65 to 129.65): VU031268.D (-2126) (-)
 Ion 130.95 (130.65 to 131.65): VU031268.D (-2126) (-)
 Ion 165.90 (165.60 to 166.60): VU031268.D (-2126) (-)

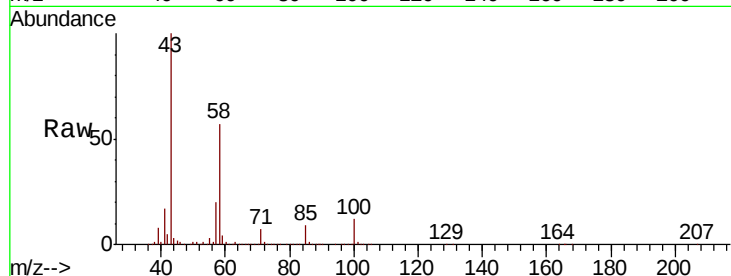




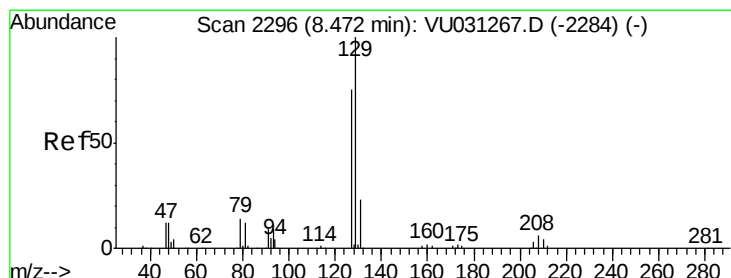
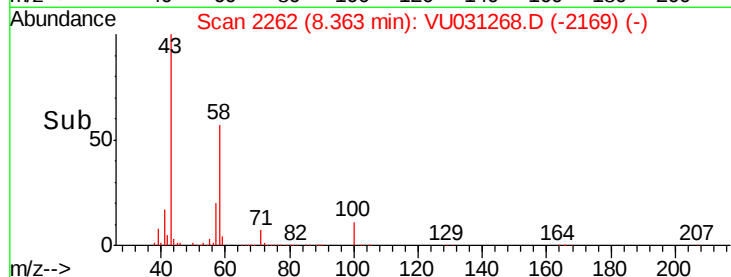
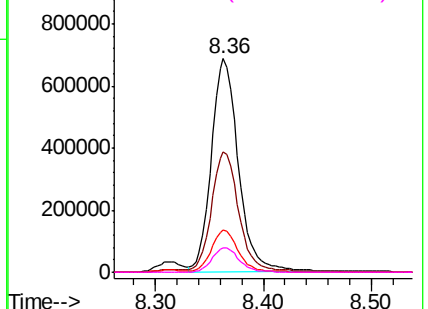
#48
2-Hexanone
Concen: 99.511 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tgt Ion: 43 Resp: 1196578
Ion Ratio Lower Upper
43 100
58 57.7 44.4 66.6
57 19.3 15.7 23.5
100 11.7 9.3 13.9

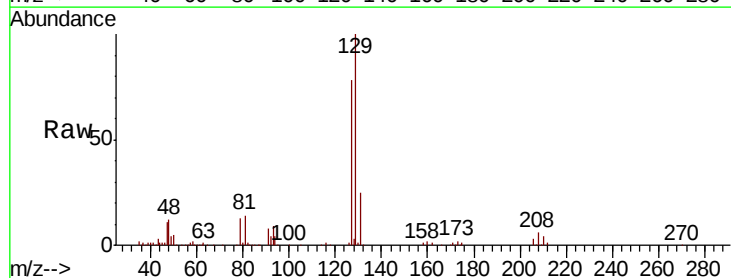


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

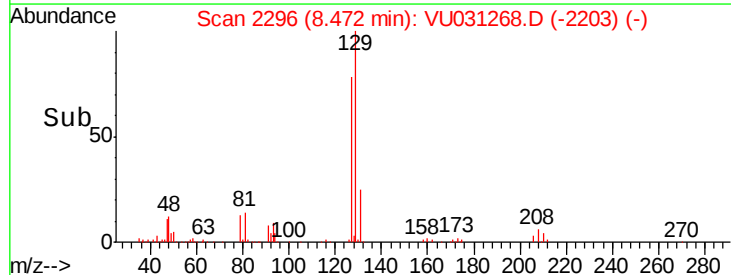
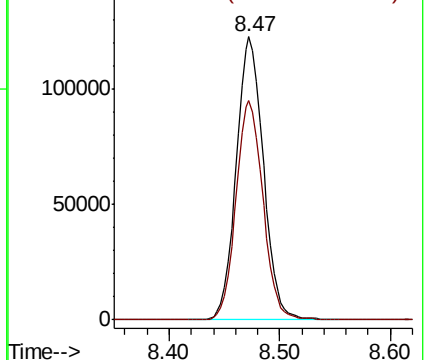


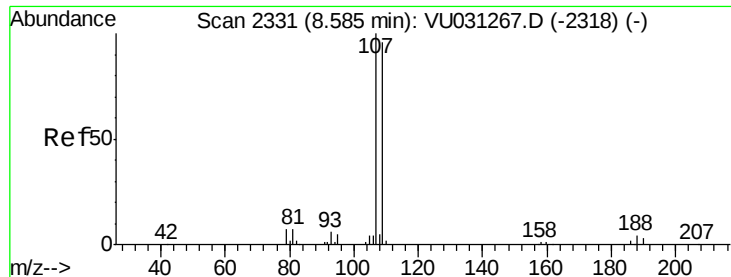
#49
Dibromochloromethane
Concen: 10.387 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031268.D
Acq: 17 Apr 2019 19:50

Tgt Ion: 129 Resp: 209791
Ion Ratio Lower Upper
129 100
127 77.5 52.3 97.1



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





#50

1,2-Dibromoethane

Concen: 10.758 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

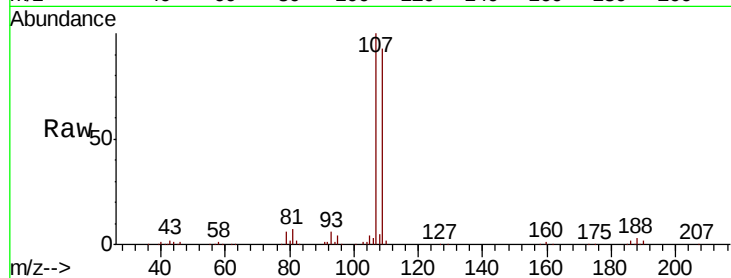
Tgt Ion:107 Resp: 171113

Ion Ratio Lower Upper

107 100

109 92.5 67.3 124.9

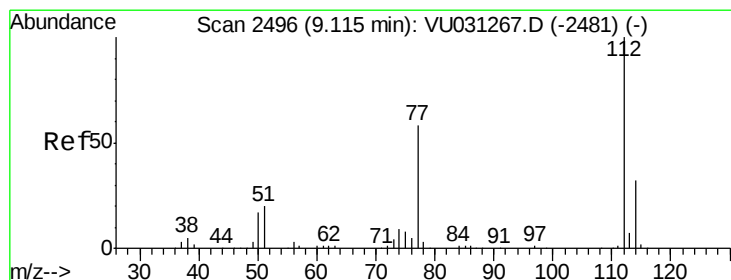
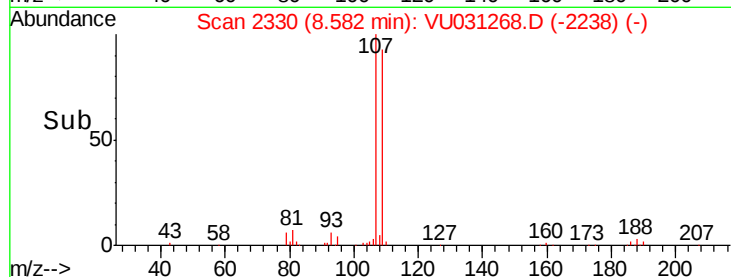
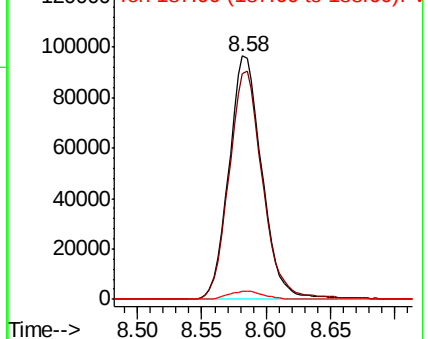
188 3.3 2.8 4.2



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: 9.846 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

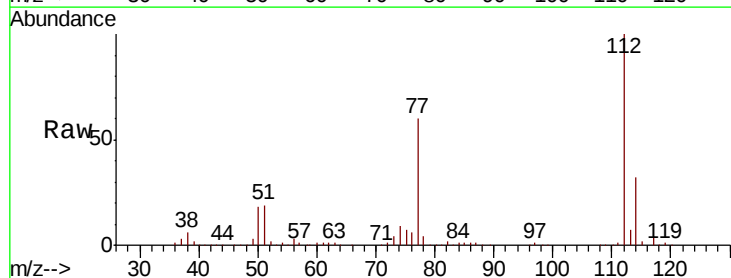
Tgt Ion:112 Resp: 628121

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

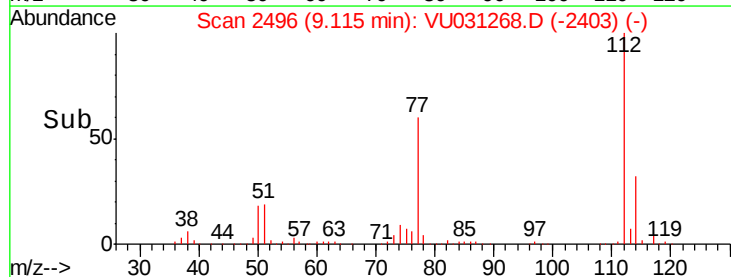
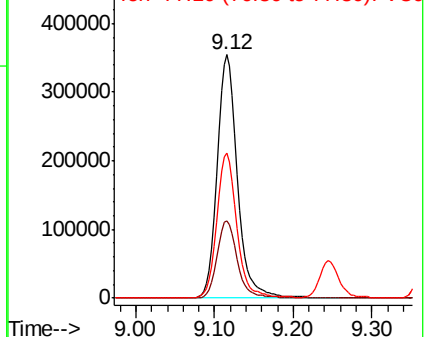
77 59.6 46.7 70.1

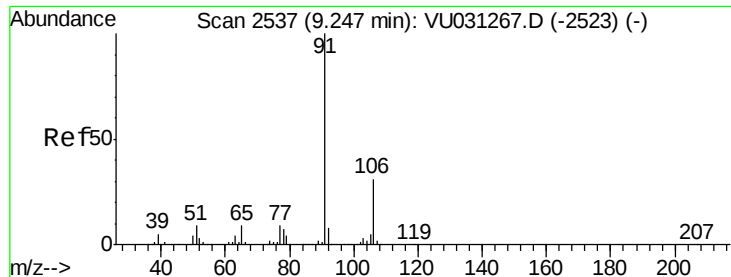


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 10.115 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

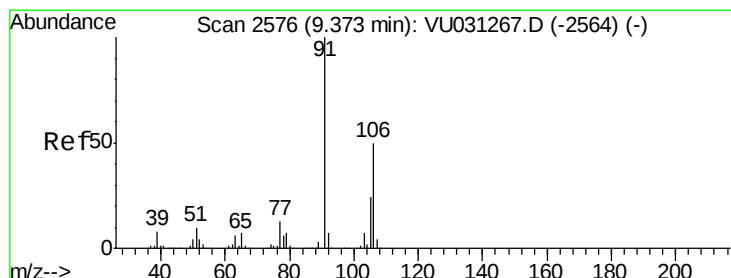
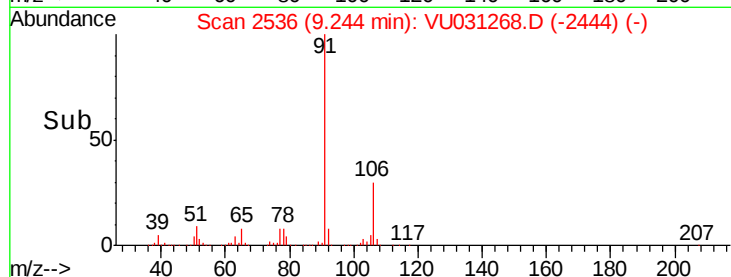
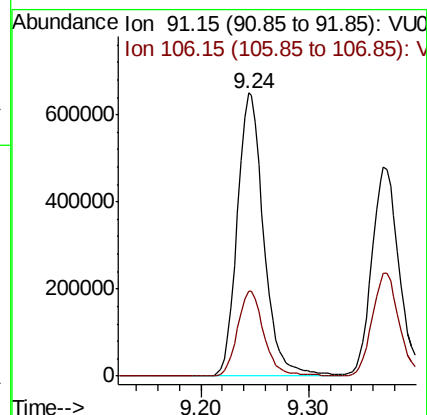
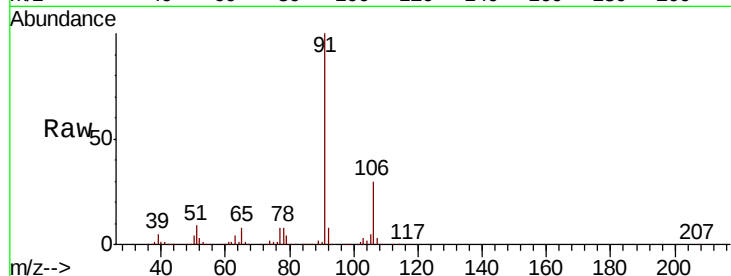
VSTD01005

Tgt Ion: 91 Resp: 1107591

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 10.704 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031268.D

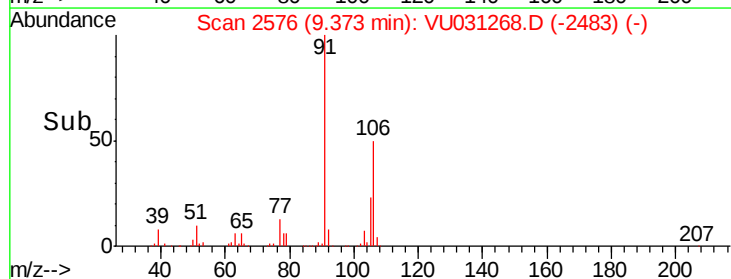
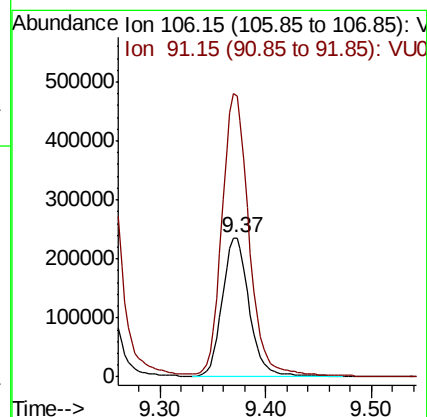
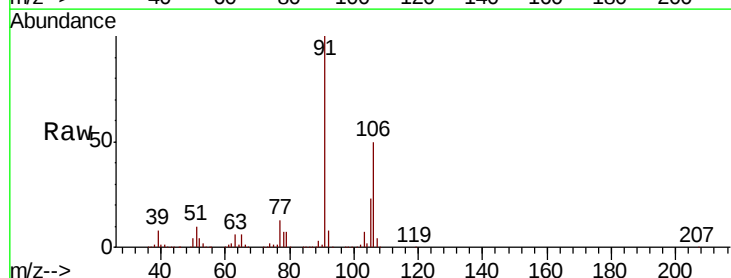
Acq: 17 Apr 2019 19:50

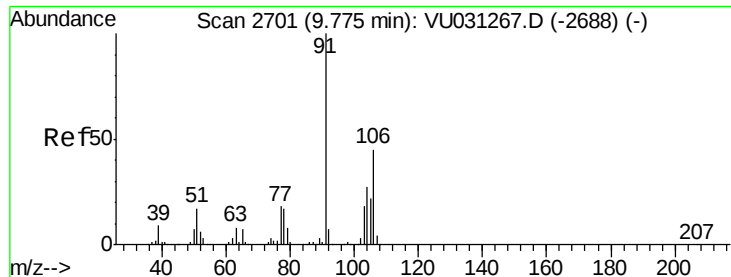
Tgt Ion: 106 Resp: 414004

Ion Ratio Lower Upper

106 100

91 201.3 139.8 259.6





#54

o-Xylene

Concen: 10.752 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

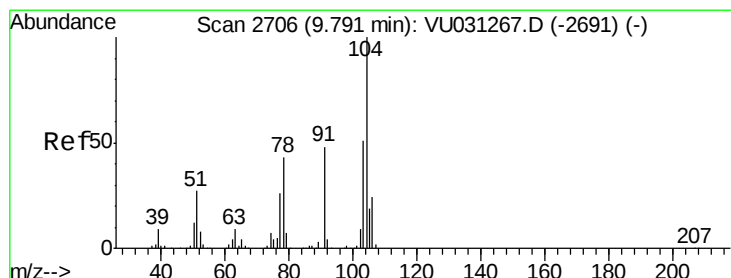
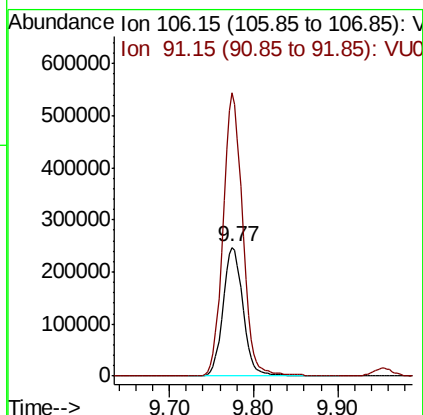
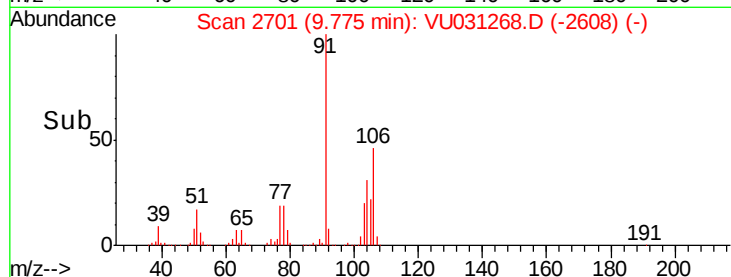
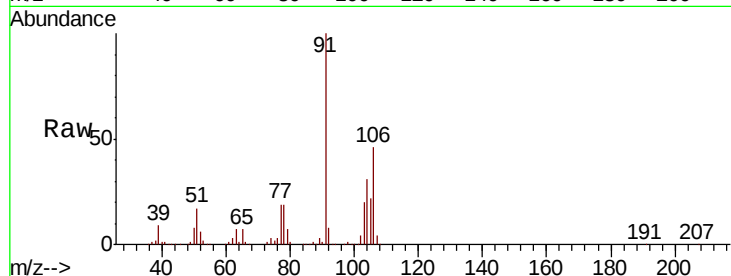
VSTD01005

Tgt Ion:106 Resp: 408678

Ion Ratio Lower Upper

106 100

91 219.7 153.9 285.9



#55

Styrene

Concen: 10.909 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031268.D

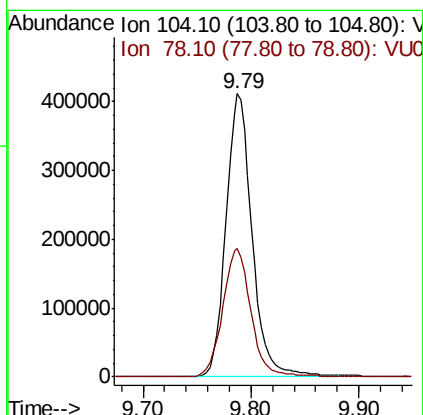
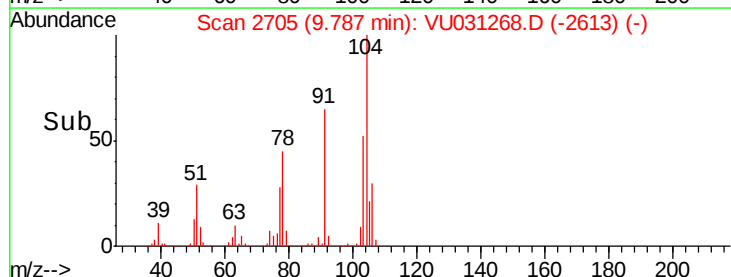
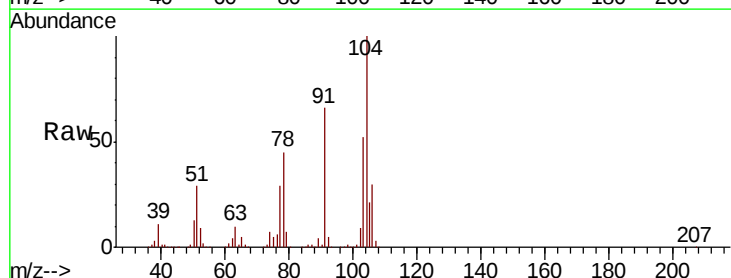
Acq: 17 Apr 2019 19:50

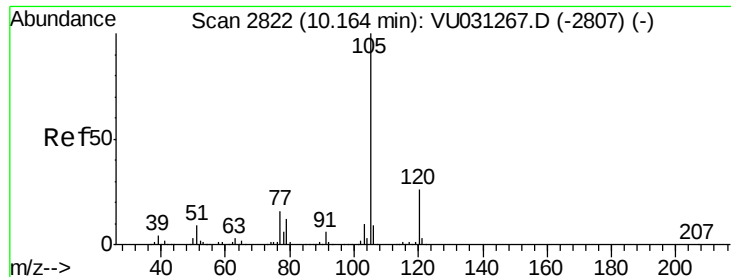
Tgt Ion:104 Resp: 693607

Ion Ratio Lower Upper

104 100

78 45.4 30.0 55.8





#56

Isopropylbenzene

Concen: 10.530 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

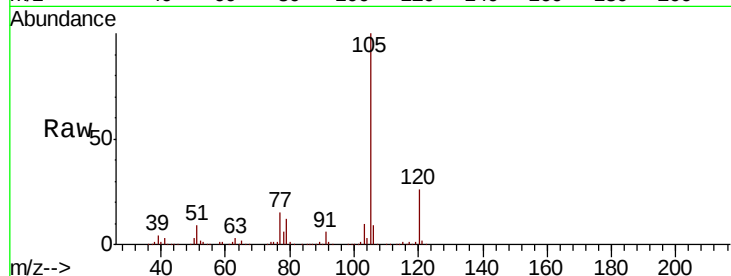
MSVOA_U

ClientSampleId :

VSTD01005

Tgt Ion:105 Resp: 1064887

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2
77	15.2	12.4	18.6

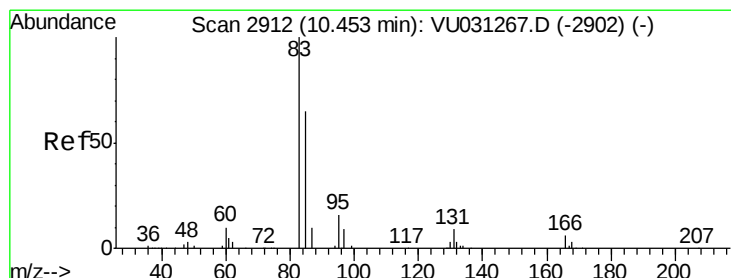
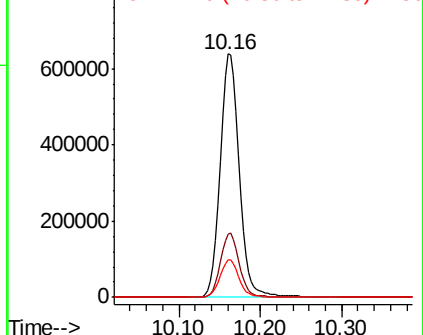
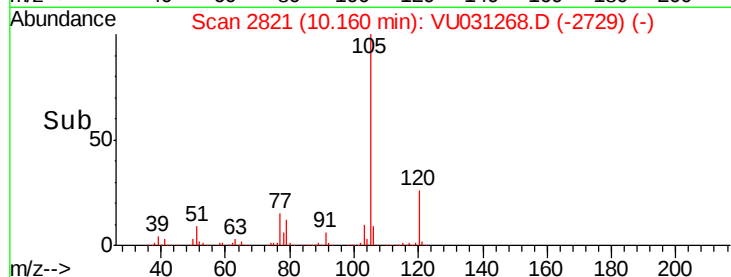


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.020 ug/L

RT: 10.45 min Scan# 2912

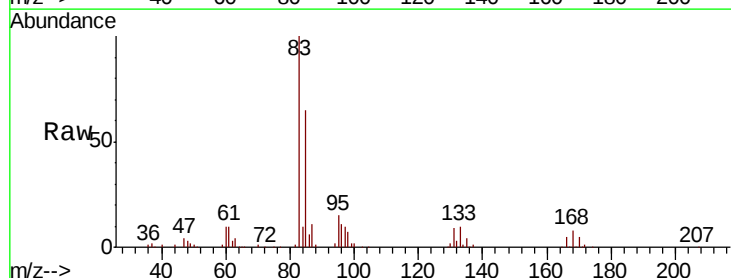
Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Tgt Ion: 83 Resp: 223629

Ion	Ratio	Lower	Upper
83	100		
85	64.5	46.5	86.3
131	9.3	7.8	11.6

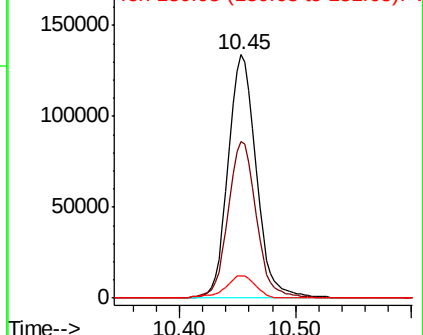
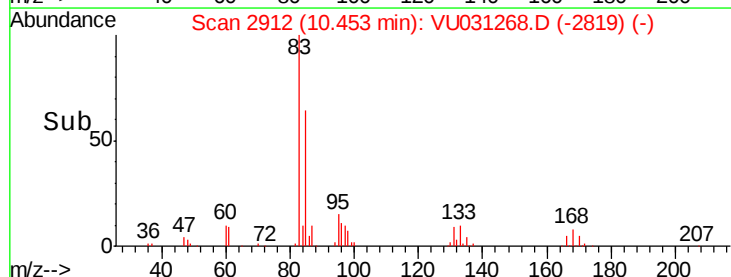


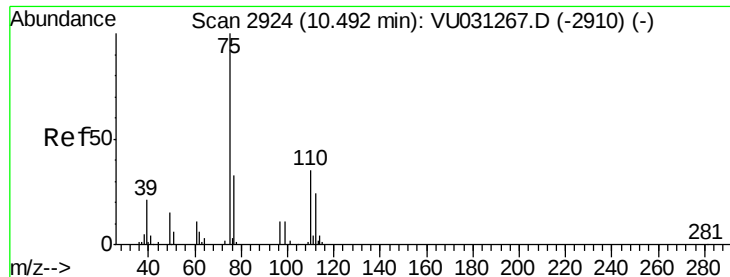
Abundance

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: 9.831 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

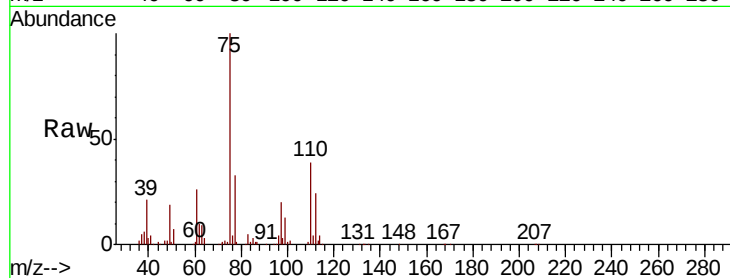
VSTD01005

Tgt Ion: 75 Resp: 155102

Ion Ratio Lower Upper

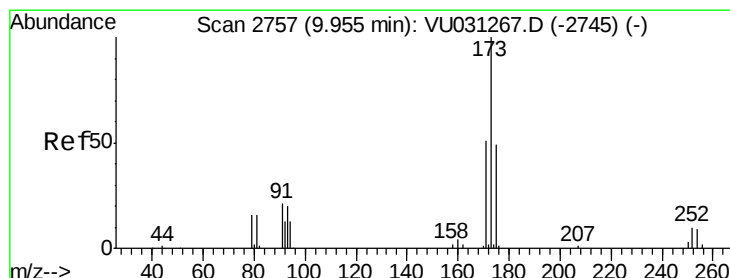
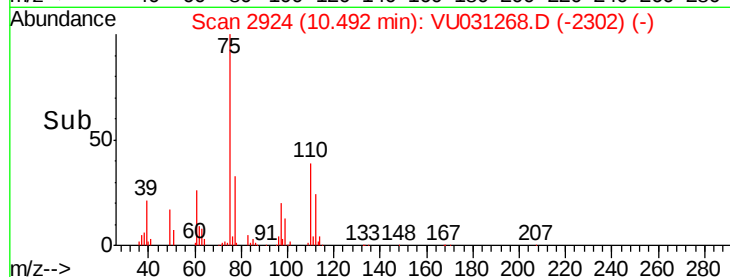
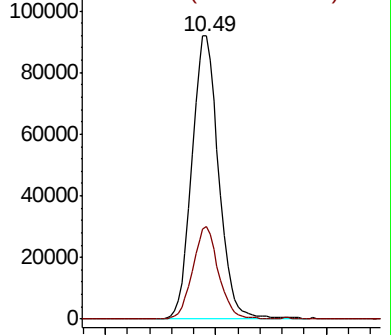
75 100

77 31.6 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 10.989 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

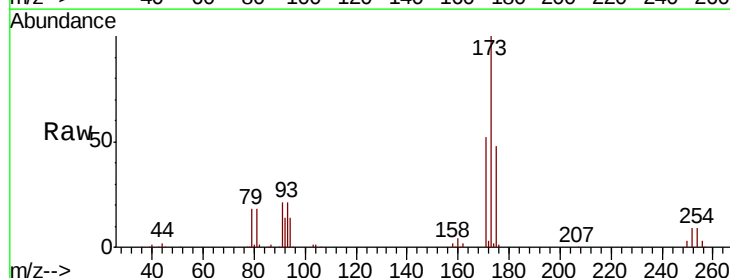
Tgt Ion: 173 Resp: 123154

Ion Ratio Lower Upper

173 100

175 46.0 39.3 58.9

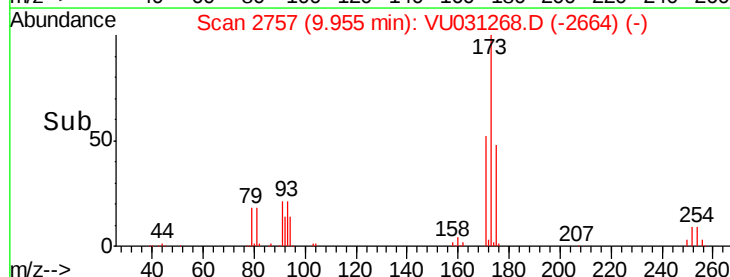
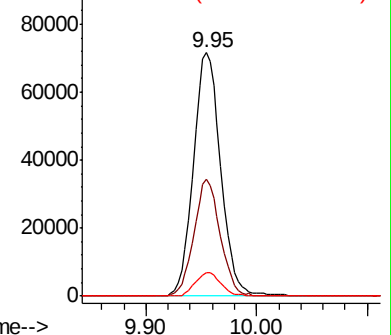
254 9.0 7.7 11.5

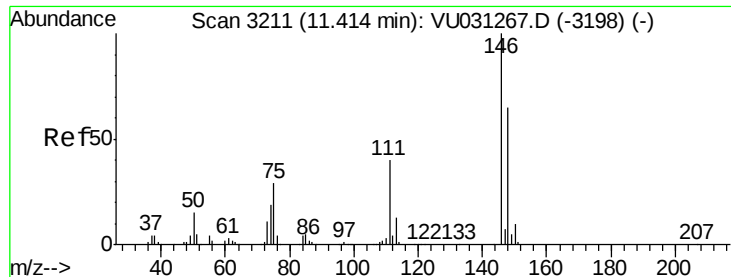


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 10.129 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

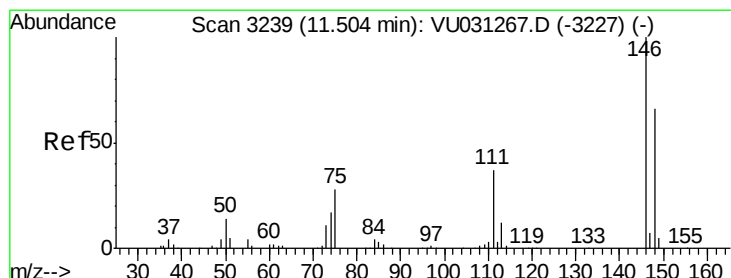
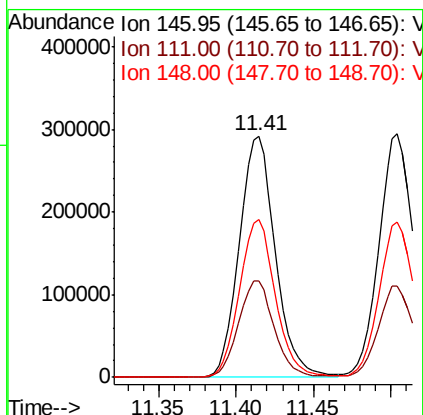
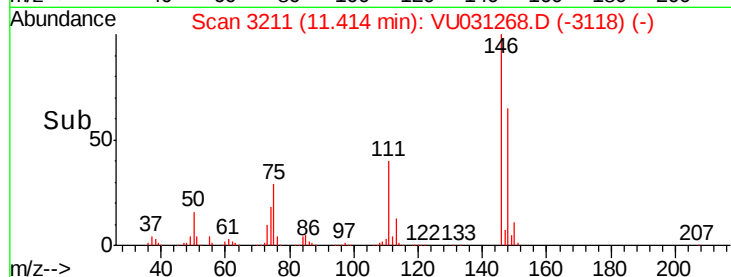
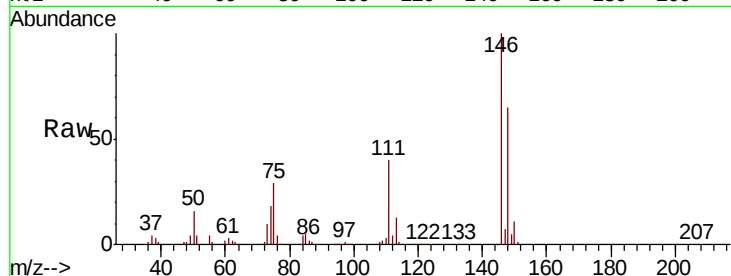
Tgt Ion:146 Resp: 473960

Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

148 65.5 45.6 84.6



#63

1,4-Dichlorobenzene

Concen: 9.832 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

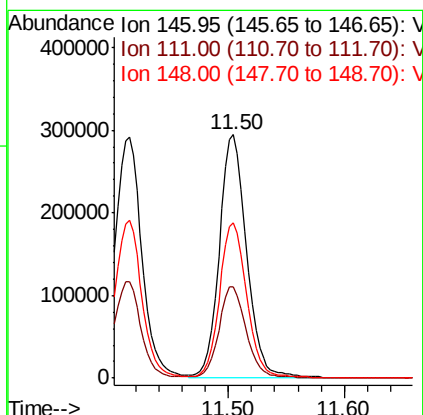
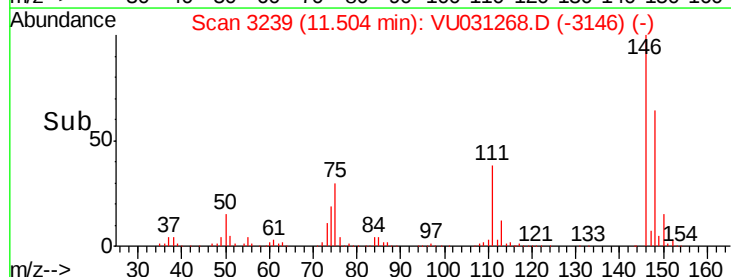
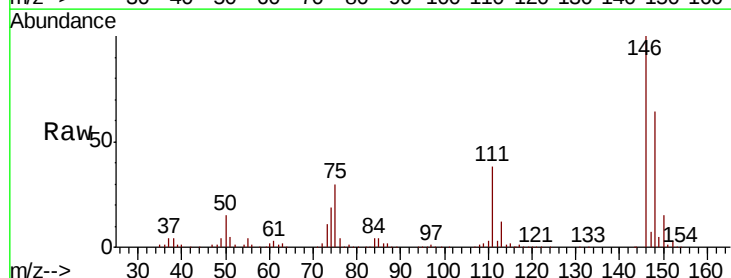
Tgt Ion:146 Resp: 479603

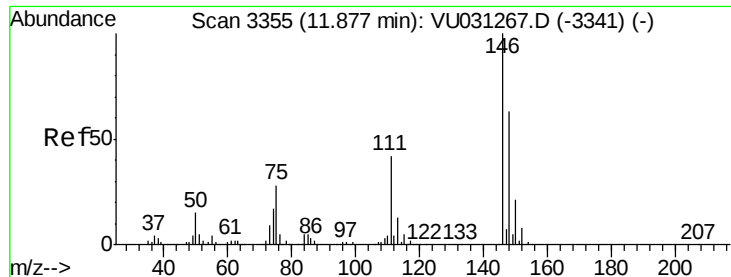
Ion Ratio Lower Upper

146 100

111 37.5 26.5 49.1

148 63.9 46.0 85.4

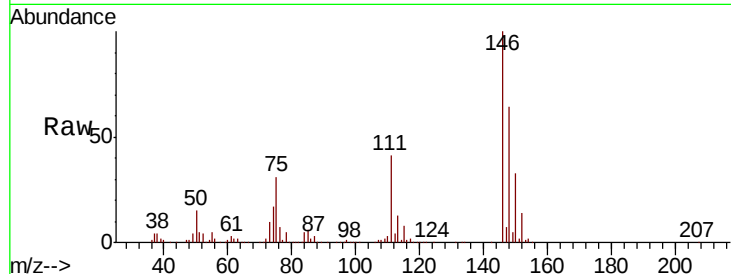




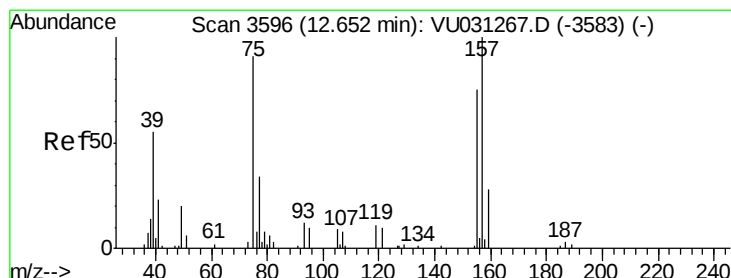
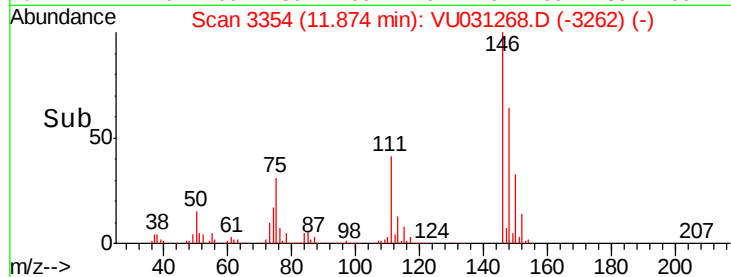
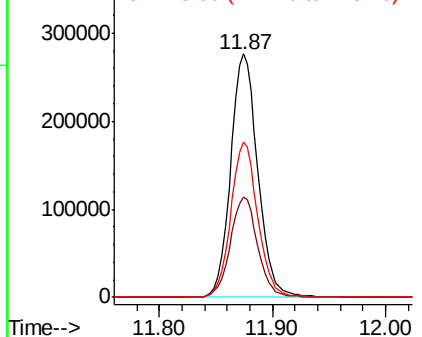
#65
 1,2-Dichlorobenzene
 Concen: 10.096 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion: 146 Resp: 460121
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.6 50.4
 148 63.7 50.2 75.2

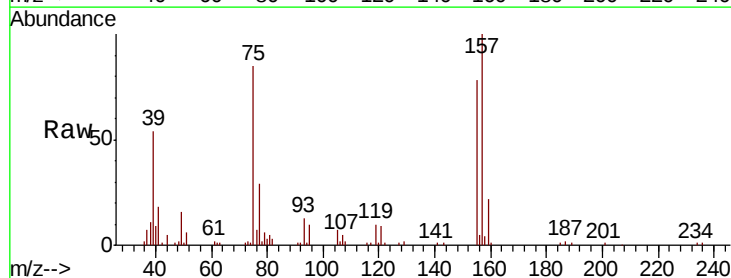


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

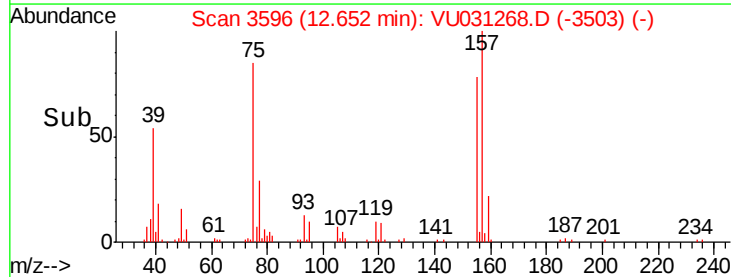
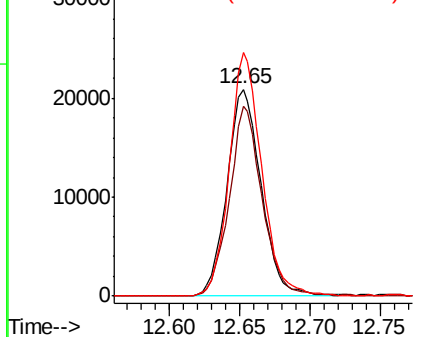


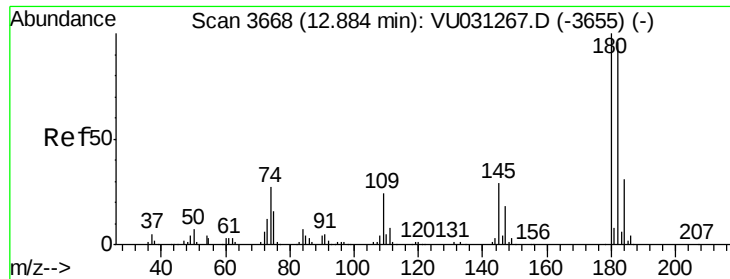
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.151 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion: 75 Resp: 35456
 Ion Ratio Lower Upper
 75 100
 155 91.8 66.0 99.0
 157 117.8 88.2 132.4



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

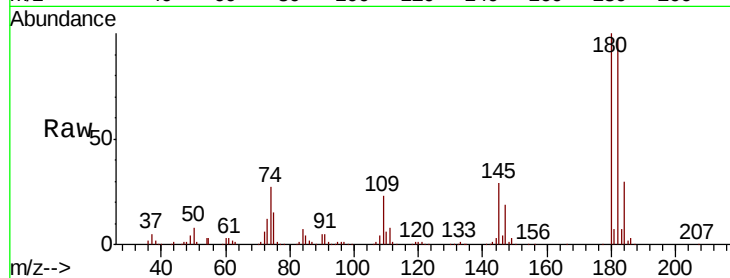




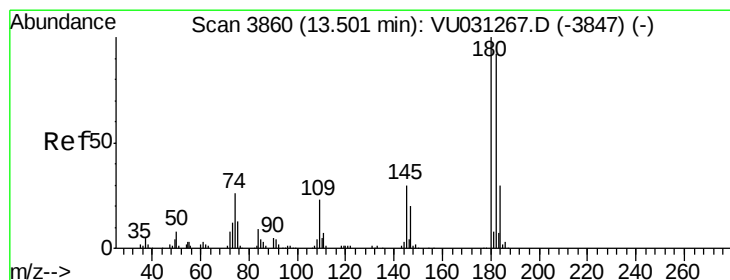
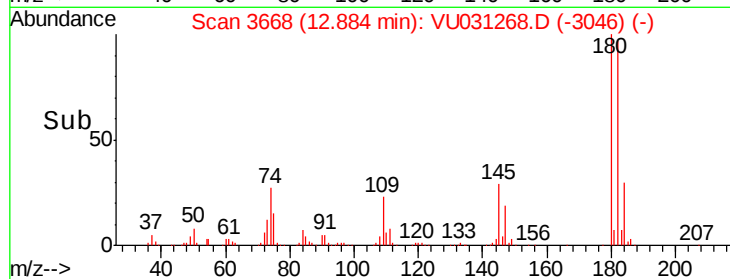
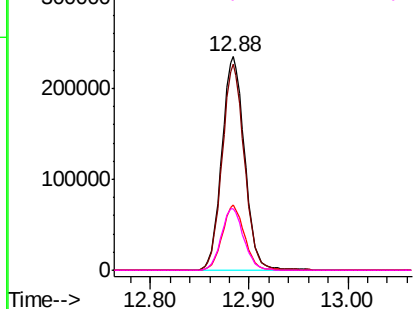
#67
 1,3,5-Trichlorobenzene
 Concen: 10.904 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tgt Ion:	180	Resp:	381297
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
184	29.6	24.8	37.2
145	28.4	23.0	34.6

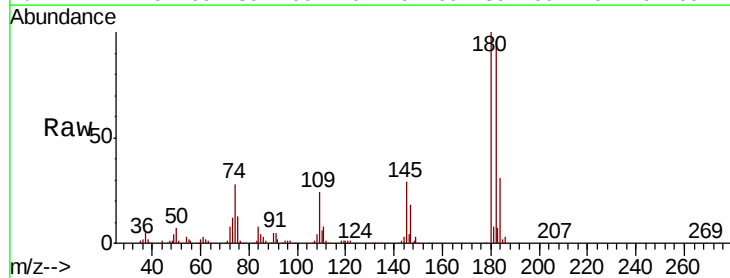


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

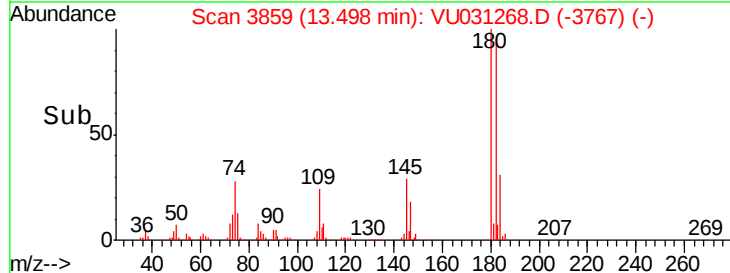
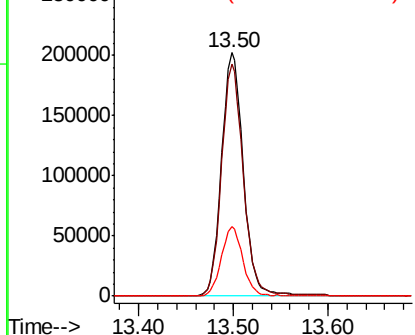


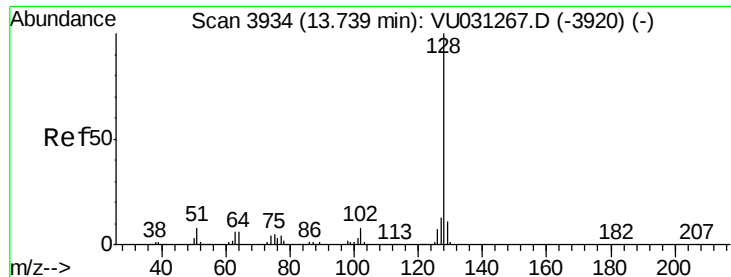
#68
 1,2,4-trichlorobenzene
 Concen: 11.871 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031268.D
 Acq: 17 Apr 2019 19:50

Tgt Ion:	180	Resp:	324579
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
145	28.0	22.6	34.0



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: 13.835 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

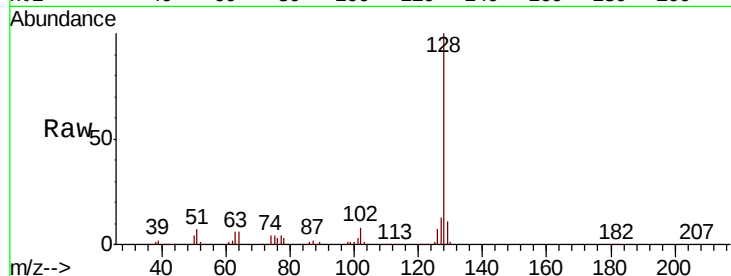
Tgt Ion:128 Resp: 655434

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

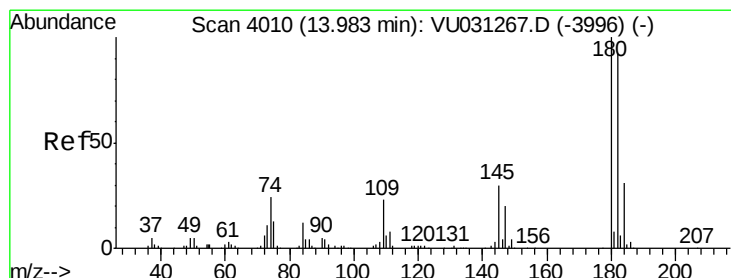
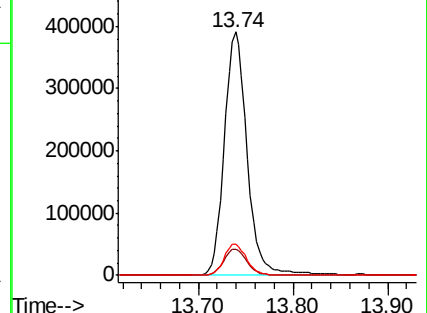
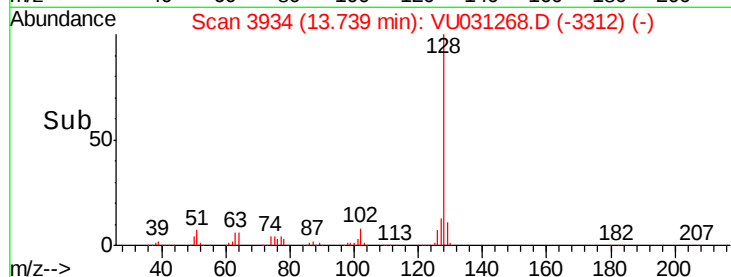
127 12.8 10.2 15.2



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: 11.983 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031268.D

Acq: 17 Apr 2019 19:50

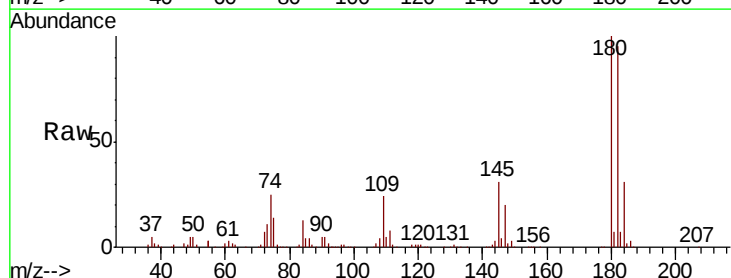
Tgt Ion:180 Resp: 309002

Ion Ratio Lower Upper

180 100

182 95.9 74.4 111.6

145 31.3 24.4 36.6



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

