

Data File : VU031653.D
Acq On : 30 Apr 2019 23:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: May 01 01:45:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	687443	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	639903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	241915	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.68	69	186548	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.92%
11) 1,1-Dichloroethene-d2	2.27	63	549366	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
21) 2-Butanone-d5	4.19	46	601384	115.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.37%
24) Chloroform-d	4.64	84	529768	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	5.31	65	357410	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
32) Benzene-d6	5.34	84	973705	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.32	67	360707	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.36%
41) Toluene-d8	7.56	98	816317	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	147431	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
47) 2-Hexanone-d5	8.31	63	331213	110.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	490870	52.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	275408	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	369546	48.886 ug/L	99
3) Chloromethane	1.32	50	456492	49.911 ug/L	100
5) Vinyl chloride	1.40	62	426145	49.836 ug/L	99
6) Bromomethane	1.63	94	200024	44.357 ug/L	97
8) Chloroethane	1.69	64	221768	47.445 ug/L	99
9) Trichlorofluoromethane	1.88	101	479349	49.175 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	266716	48.402 ug/L	98
12) 1,1-Dichloroethene	2.28	96	257195	47.953 ug/L	88
13) Acetone	2.33	43	435719	74.204 ug/L	98
14) Carbon disulfide	2.47	76	850222	47.771 ug/L	99
15) Methyl Acetate	2.62	43	485236	54.614 ug/L	98
16) Methylene chloride	2.70	84	324726	51.303 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	271758	48.626 ug/L	94
18) Methyl tert-butyl Ether	2.99	73	967256	54.323 ug/L	98
19) 1,1-Dichloroethane	3.44	63	638026	54.208 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	302460	50.453 ug/L	84
22) 2-Butanone	4.27	43	678434	104.287 ug/L	99

Data File : VU031653.D
Acq On : 30 Apr 2019 23:06
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

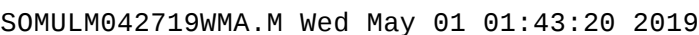
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

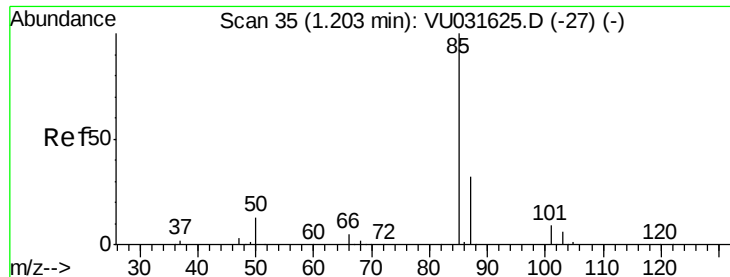
Quant Time: May 01 01:45:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	142598	48.951	ug/L	92
25) Chloroform	4.67	83	591042	52.513	ug/L	99
27) 1,2-Dichloroethane	5.40	62	495083	54.155	ug/L #	95
29) Cyclohexane	4.99	56	555421	54.843	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	478772	53.400	ug/L	98
31) Carbon tetrachloride	5.13	117	393215	51.312	ug/L	98
33) Benzene	5.39	78	1267002	53.854	ug/L	100
34) Trichloroethene	6.18	95	321584	56.389	ug/L	93
35) Methylcyclohexane	6.41	83	443765	51.922	ug/L	95
37) 1,2-Dichloropropane	6.43	63	375299	56.191	ug/L	98
38) Bromodichloromethane	6.75	83	439983	54.331	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	494864	56.072	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1227040	119.409	ug/L	97
42) Toluene	7.63	91	1267875	54.100	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	432983	54.091	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	292053	53.041	ug/L	98
46) Tetrachloroethene	8.22	164	185070	47.602	ug/L	97
48) 2-Hexanone	8.36	43	983189	118.299	ug/L	97
49) Dibromochloromethane	8.47	129	292592	51.071	ug/L	98
50) 1,2-Dibromoethane	8.58	107	303958	52.269	ug/L	98
51) Chlorobenzene	9.12	112	698248	50.418	ug/L	98
52) Ethylbenzene	9.25	91	1293842	53.223	ug/L	99
53) m,p-Xylene	9.37	106	447194	52.798	ug/L	97
54) o-xylene	9.77	106	453198	53.971	ug/L	100
55) Styrene	9.79	104	777328	54.183	ug/L	99
56) Isopropylbenzene	10.16	105	1164146	52.722	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	528122	54.052	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	434147	54.825	ug/L	99
61) Bromoform	9.95	173	197518	48.042	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	453182	49.361	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	461028	48.487	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	486303	49.839	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	117626	51.941	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	322287	46.869	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	265723	48.812	ug/L	100
69) Naphthalene	13.74	128	967358	52.118	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	291348	47.009	ug/L	98

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

Quant Time: May 01 01:45:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 01:38:49 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.886 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

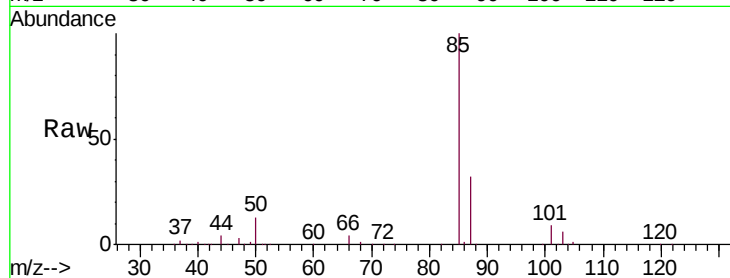
VSTD05056

Tgt Ion: 85 Resp: 369546

Ion Ratio Lower Upper

85 100

87 32.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031625.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031625.D (-27) (-)

1.20

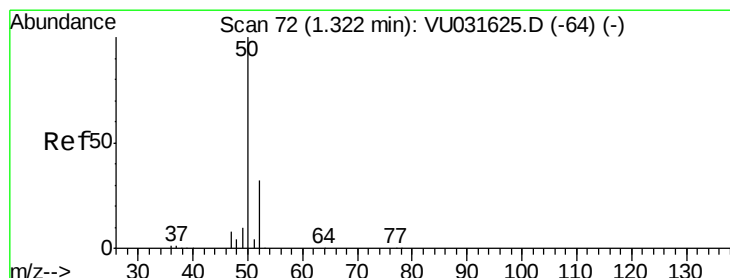
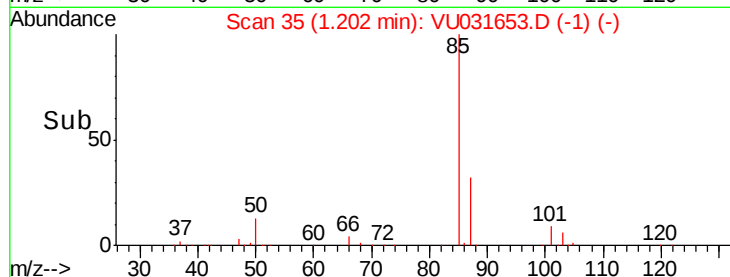
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 49.911 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031653.D

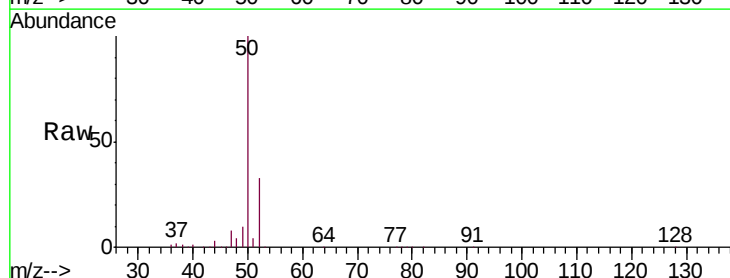
Acq: 30 Apr 2019 23:06

Tgt Ion: 50 Resp: 456492

Ion Ratio Lower Upper

50 100

52 32.5 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031625.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031625.D (-64) (-)

1.32

500000

400000

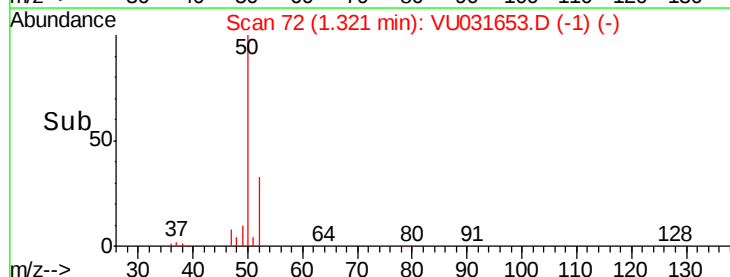
300000

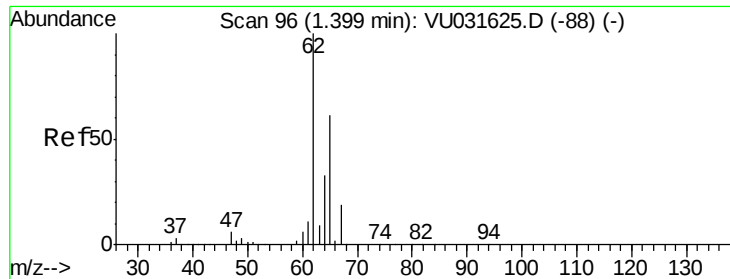
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 49.836 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

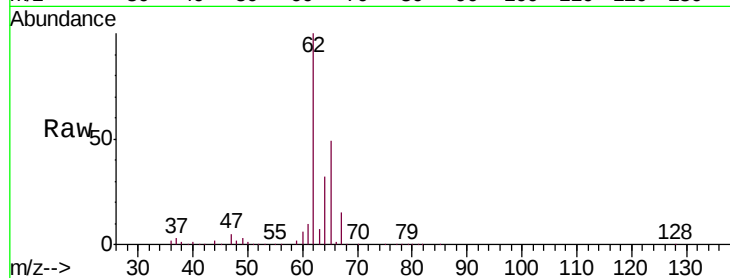
VSTD05056

Tgt Ion: 62 Resp: 426145

Ion Ratio Lower Upper

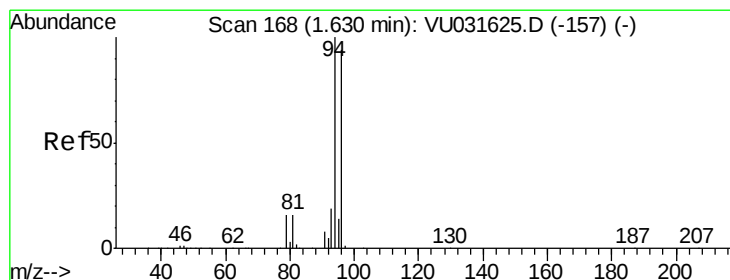
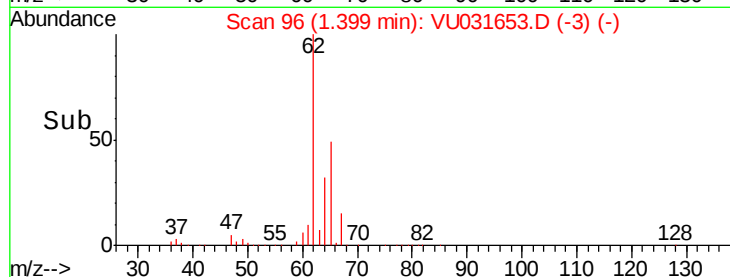
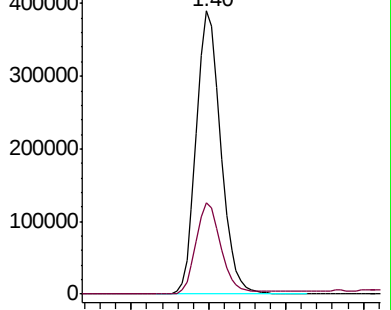
62 100

64 32.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031653.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031653.D (-88) (-)



#6

Bromomethane

Concen: 44.357 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031653.D

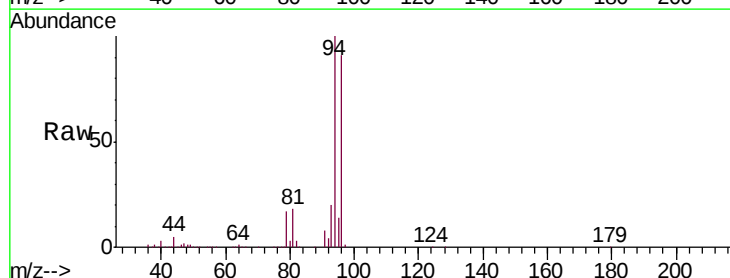
Acq: 30 Apr 2019 23:06

Tgt Ion: 94 Resp: 200024

Ion Ratio Lower Upper

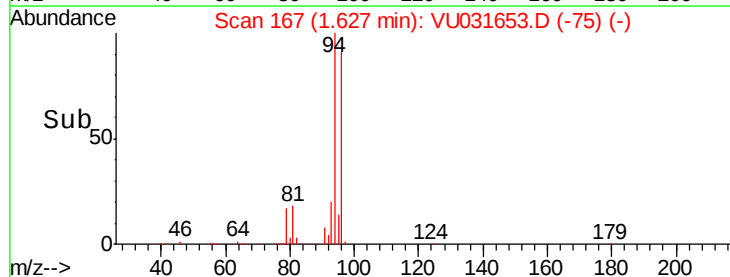
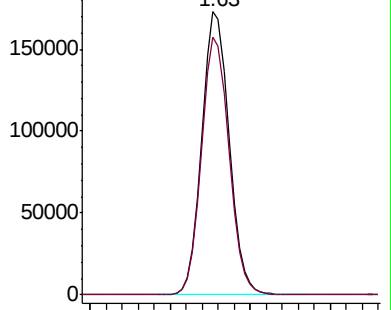
94 100

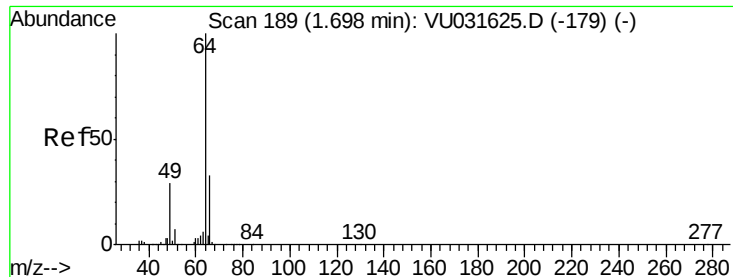
96 91.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031653.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031653.D (-157) (-)





#8

Chloroethane

Concen: 47.445 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

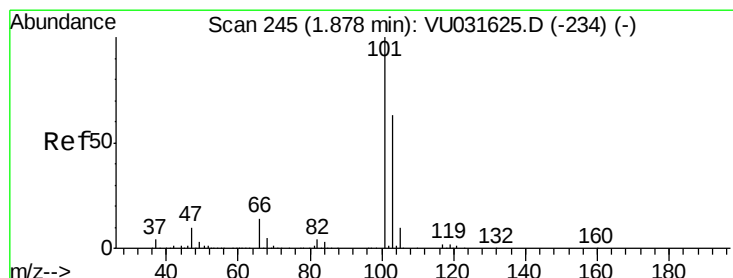
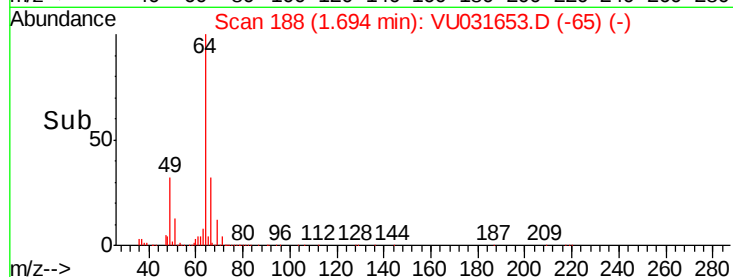
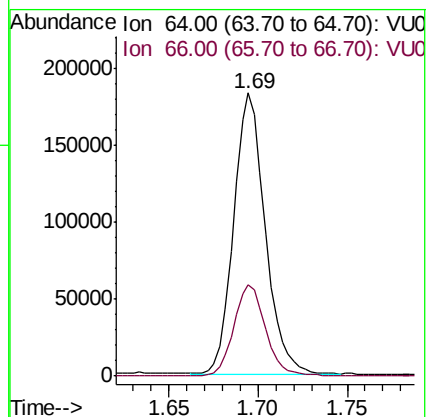
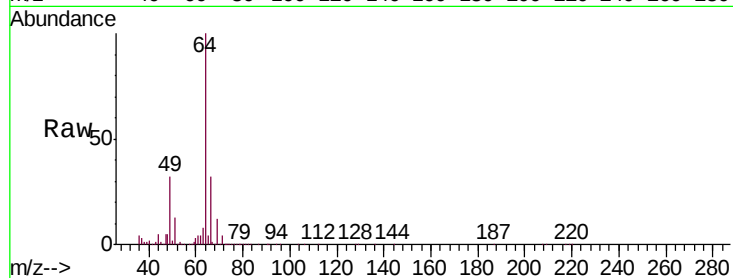
VSTD05056

Tgt Ion: 64 Resp: 221768

Ion Ratio Lower Upper

64 100

66 32.3 23.2 43.0



#9

Trichlorofluoromethane

Concen: 49.175 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU031653.D

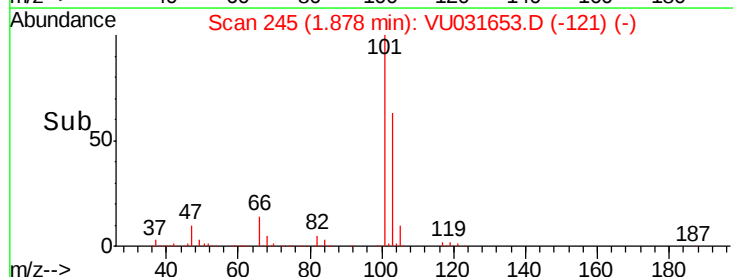
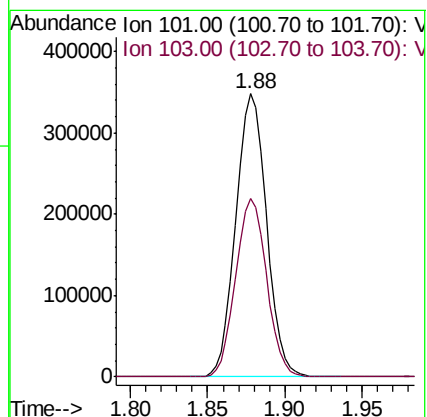
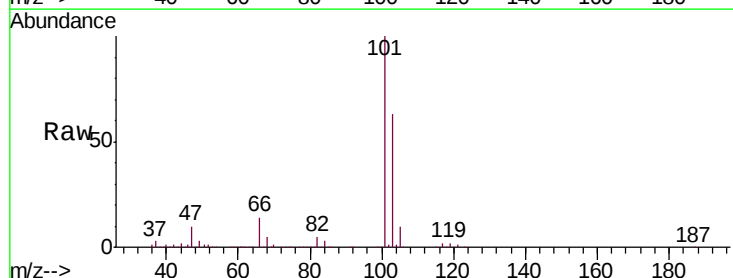
Acq: 30 Apr 2019 23:06

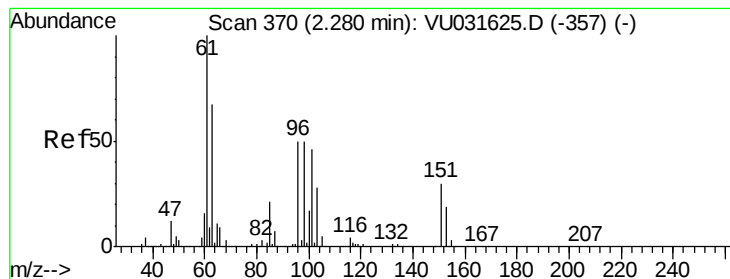
Tgt Ion: 101 Resp: 479349

Ion Ratio Lower Upper

101 100

103 63.5 50.8 76.2





#10

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

Concen: 48.402 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

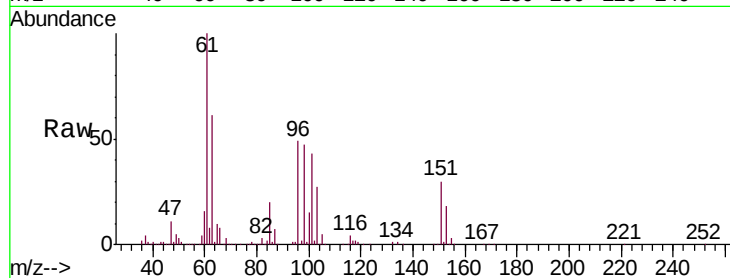
Tgt Ion: 101 Resp: 266716

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

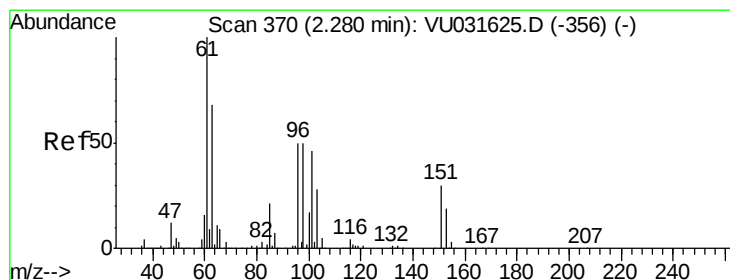
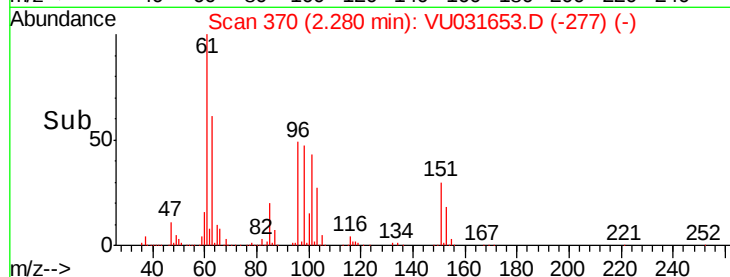
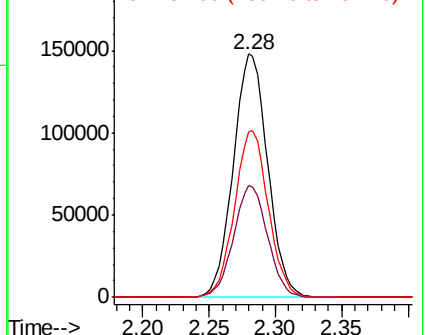
151 67.4 56.1 84.1



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: 47.953 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

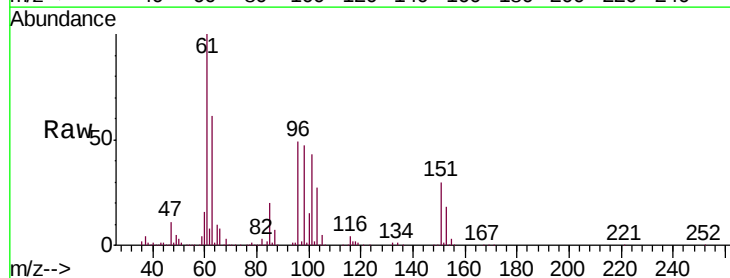
Tgt Ion: 96 Resp: 257195

Ion Ratio Lower Upper

96 100

61 203.0 135.0 250.6

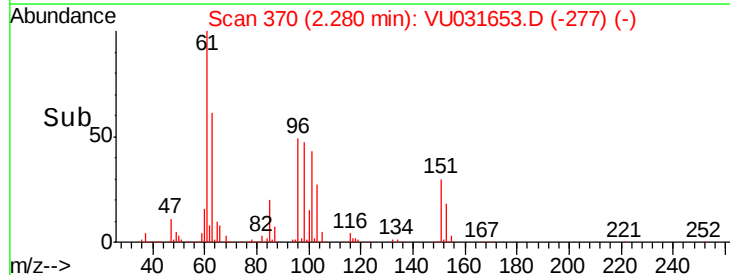
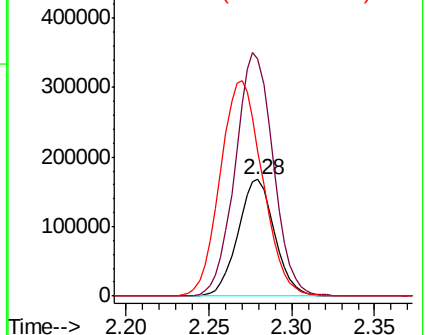
63 124.2 103.5 192.3

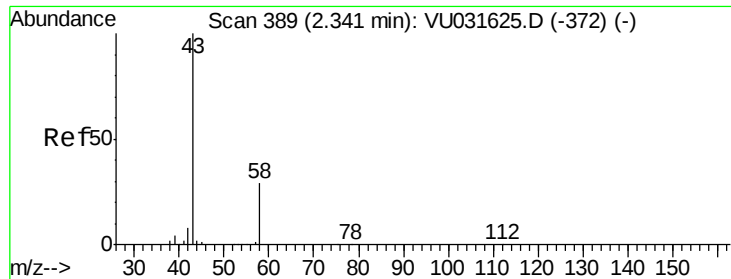


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.204 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

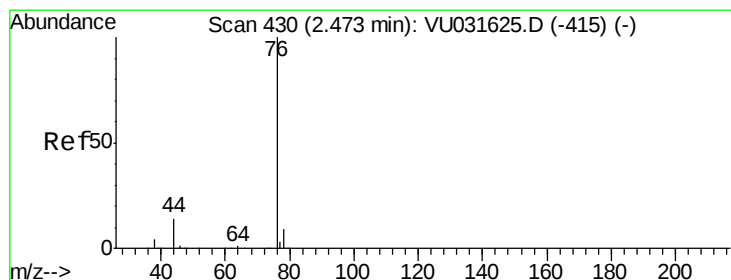
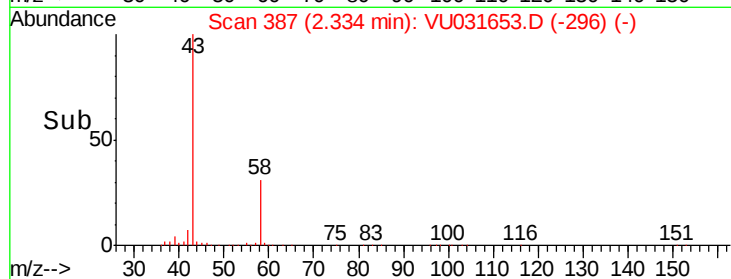
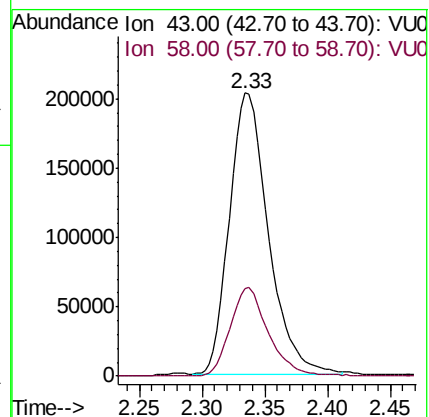
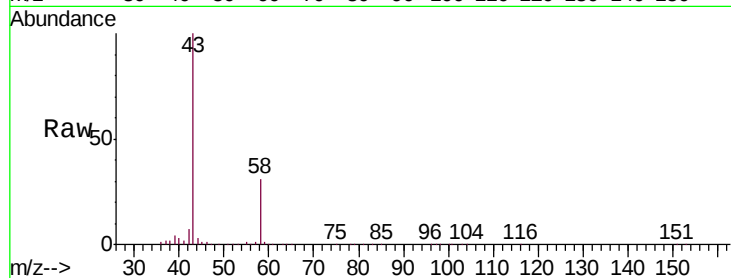
VSTD05056

Tgt Ion: 43 Resp: 435719

Ion Ratio Lower Upper

43 100

58 30.9 0.0 64.4



#14

Carbon disulfide

Concen: 47.771 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031653.D

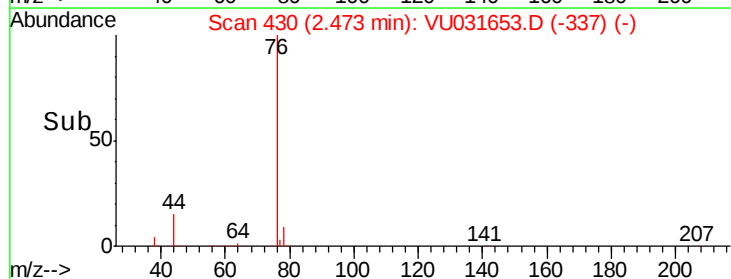
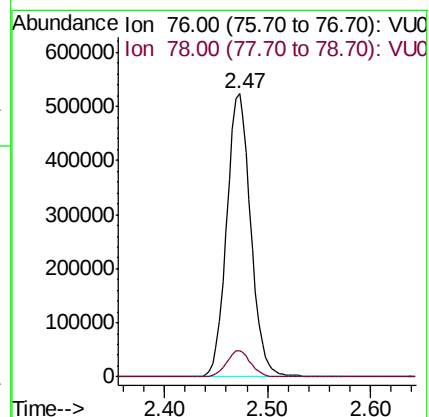
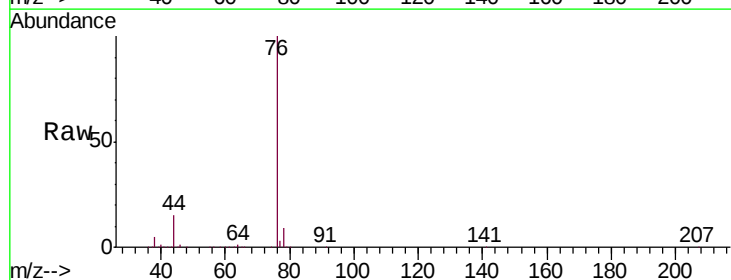
Acq: 30 Apr 2019 23:06

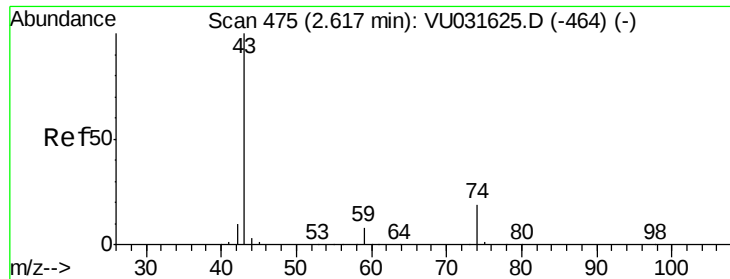
Tgt Ion: 76 Resp: 850222

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#15

Methyl Acetate

Concen: 54.614 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampled :

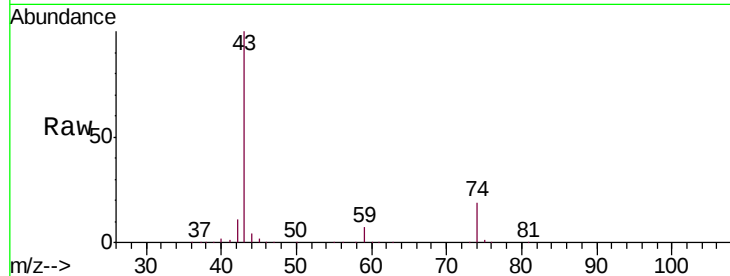
VSTD05056

Tgt Ion: 43 Resp: 485236

Ion Ratio Lower Upper

43 100

74 18.7 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VU031653.D (-382) (-)

Ion 74.00 (73.70 to 74.70): VU031653.D (-382) (-)

2.62

250000

200000

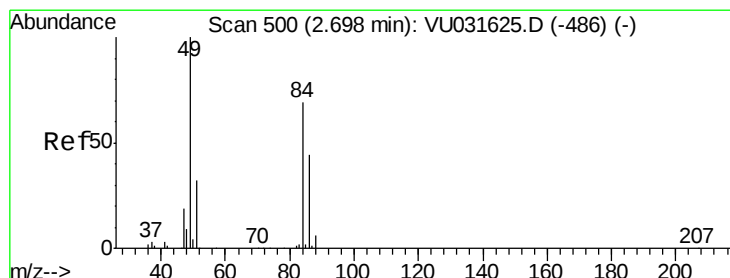
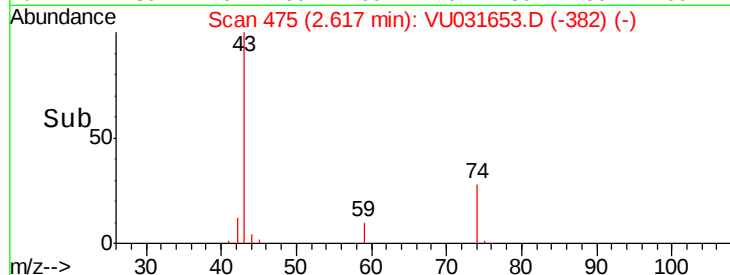
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 51.303 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

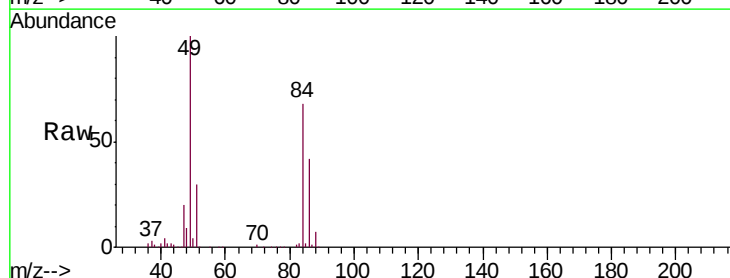
Tgt Ion: 84 Resp: 324726

Ion Ratio Lower Upper

84 100

86 62.2 44.7 83.1

49 146.9 96.5 179.3



Abundance Ion 84.00 (83.70 to 84.70): VU031653.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU031653.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU031653.D (-407) (-)

2.70

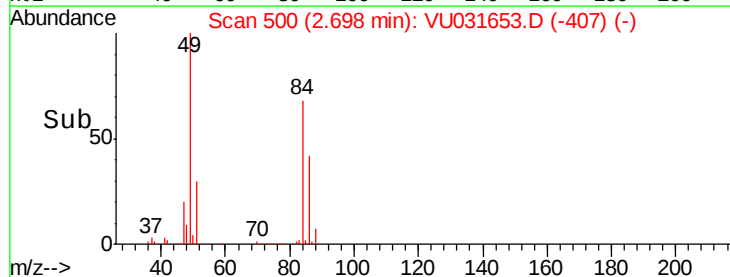
300000

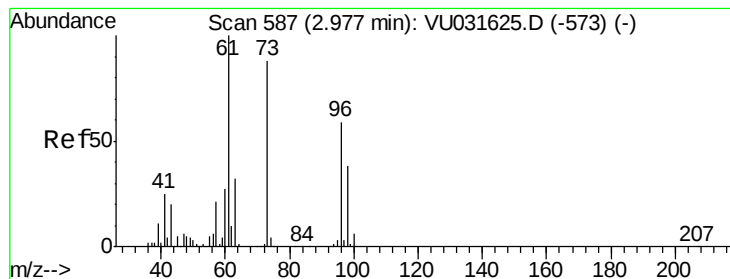
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.626 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

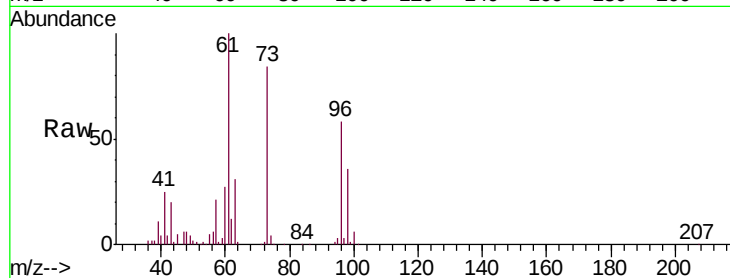
Tgt Ion: 96 Resp: 271758

Ion Ratio Lower Upper

96 100

61 172.6 114.5 212.7

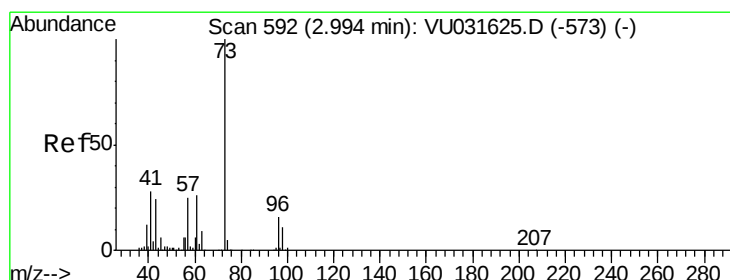
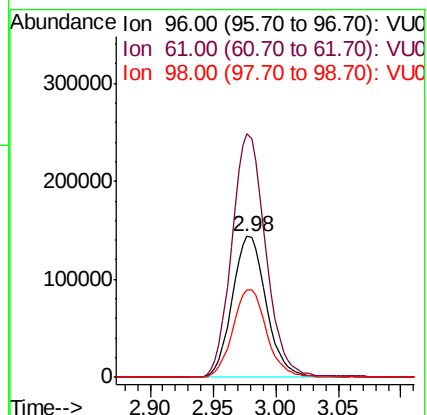
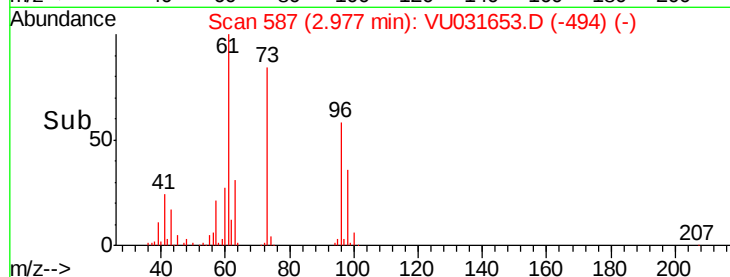
98 62.3 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031653.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031653.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031653.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 54.323 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

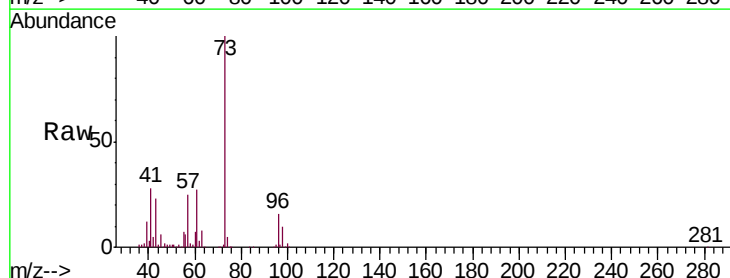
Tgt Ion: 73 Resp: 967256

Ion Ratio Lower Upper

73 100

43 22.9 17.0 25.4

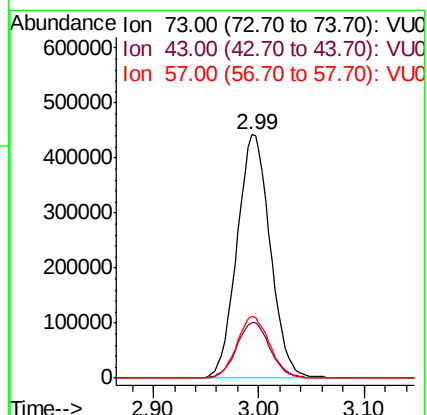
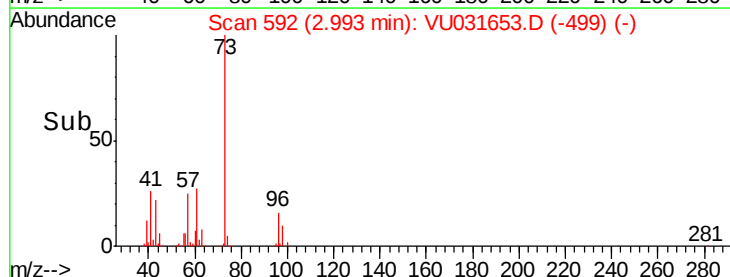
57 25.2 19.5 29.3

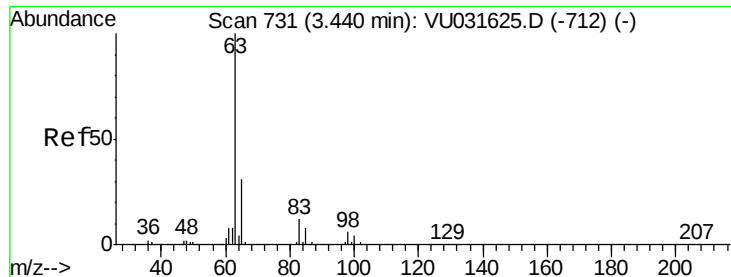


Abundance Ion 73.00 (72.70 to 73.70): VU031653.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031653.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031653.D (-499) (-)

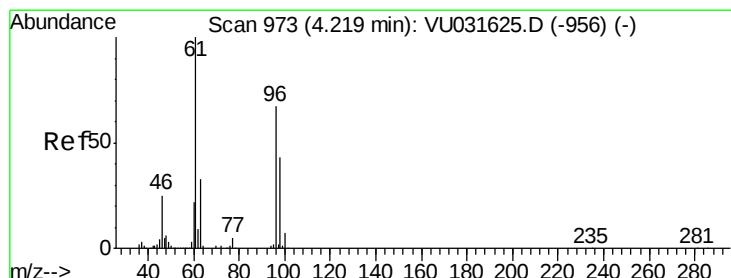
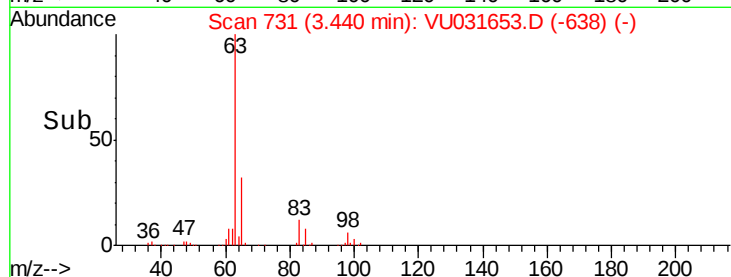
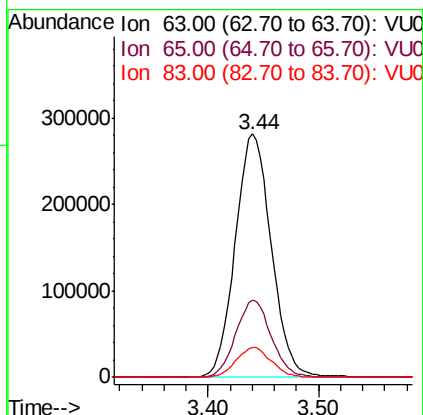
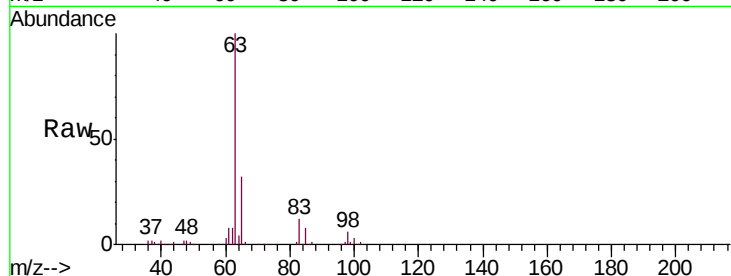




#19
 1,1-Dichloroethane
 Concen: 54.208 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

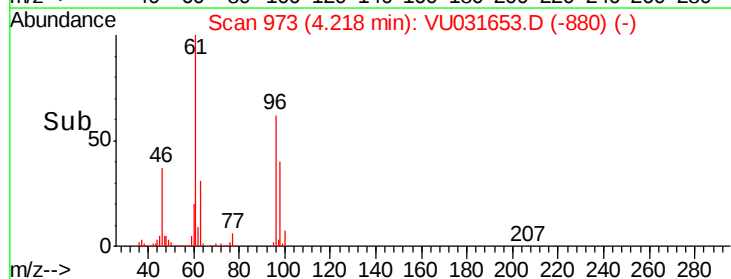
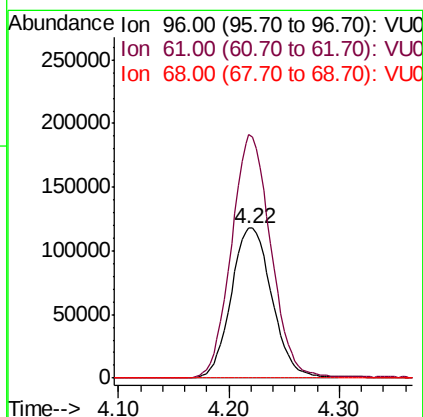
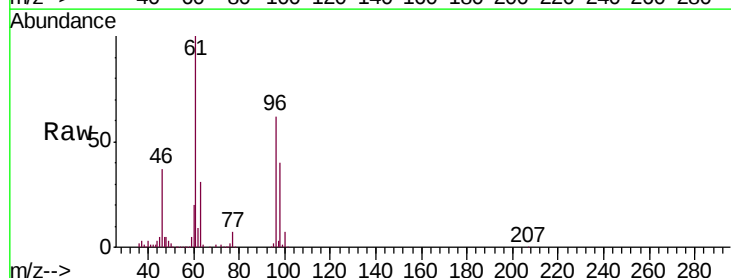
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

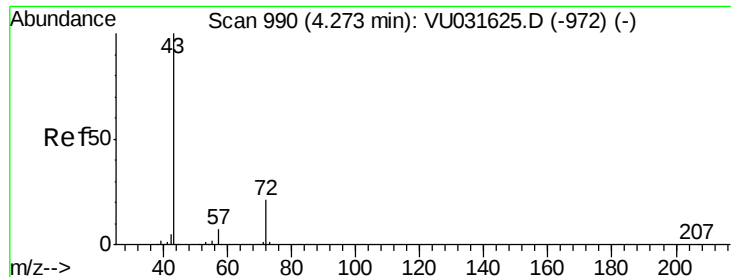
Tgt Ion:	63	Resp:	638026
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	12.1	8.8	16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.453 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion:	96	Resp:	302460
Ion	Ratio	Lower	Upper
96	100		
61	162.2	99.5	184.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 104.287 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

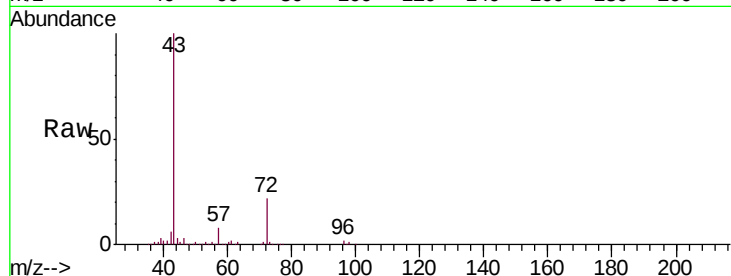
VSTD05056

Tgt Ion: 43 Resp: 678434

Ion Ratio Lower Upper

43 100

72 22.4 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031625.D (-972) (-)

Ion 72.00 (71.70 to 72.70): VU031625.D (-972) (-)

4.27

250000

200000

150000

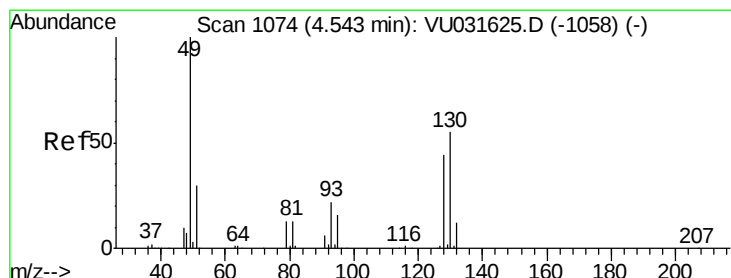
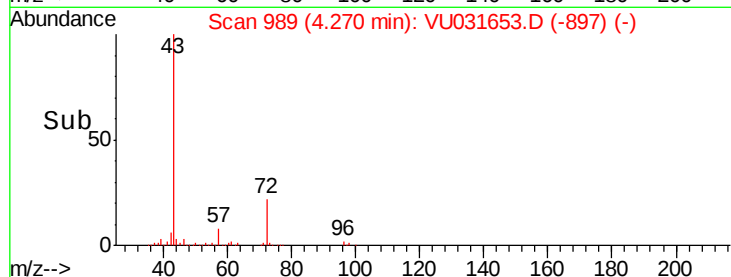
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 48.951 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Tgt Ion: 128 Resp: 142598

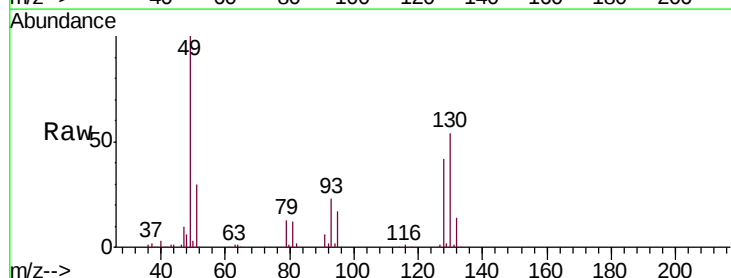
Ion Ratio Lower Upper

128 100

49 236.8 152.6 283.4

130 128.8 93.7 173.9

51 69.9 54.2 81.4



Abundance Ion 128.00 (127.70 to 128.70): VU031625.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU031625.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU031625.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU031625.D (-1058) (-)

200000

150000

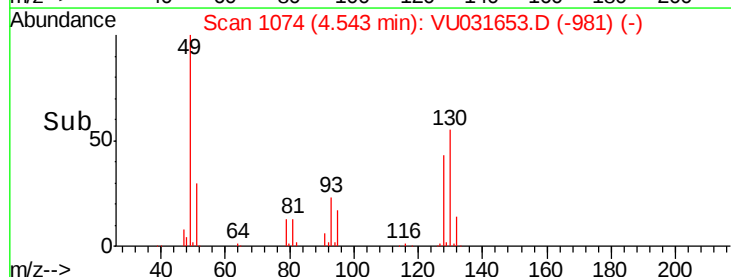
100000

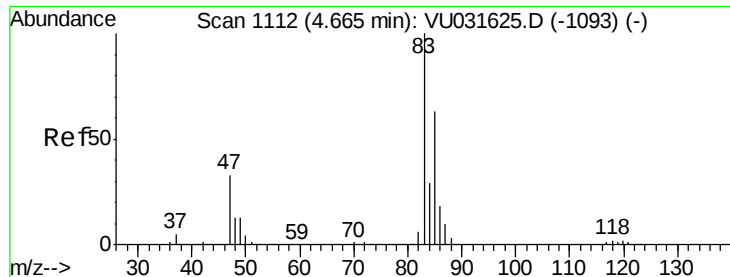
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->

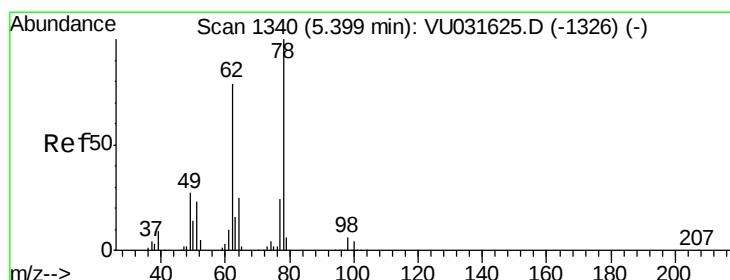
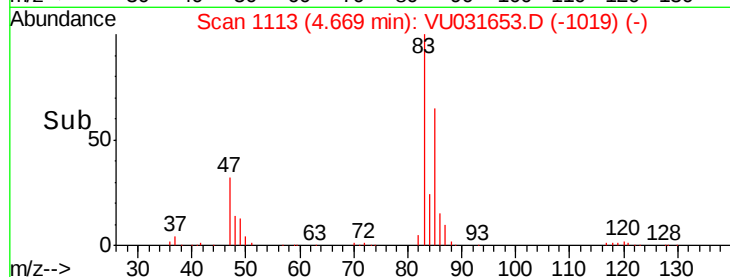
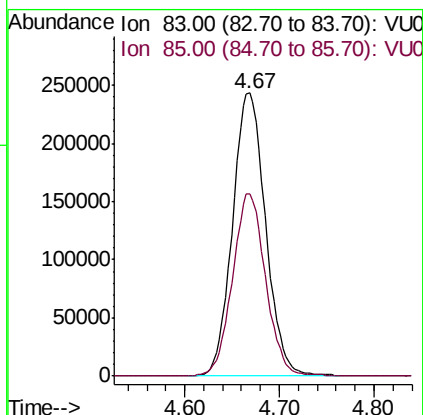
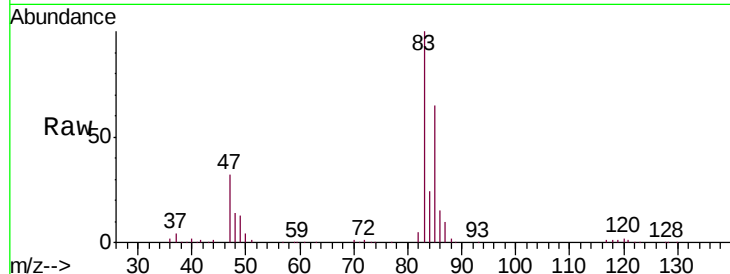




#25
Chloroform
Concen: 52.513 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

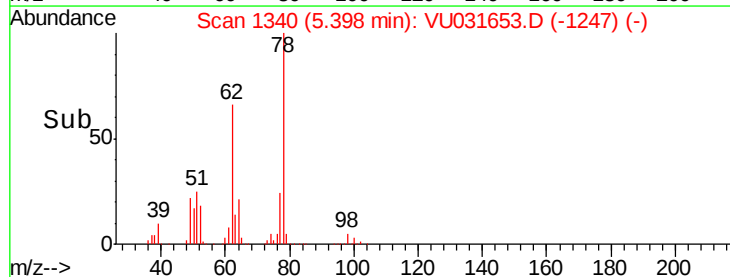
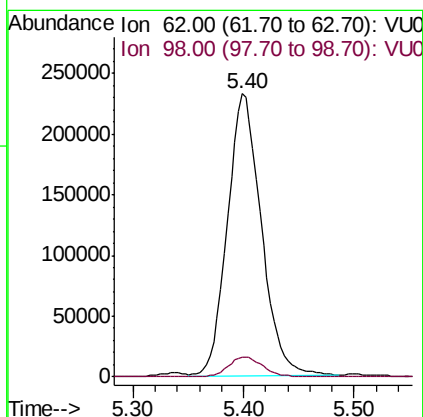
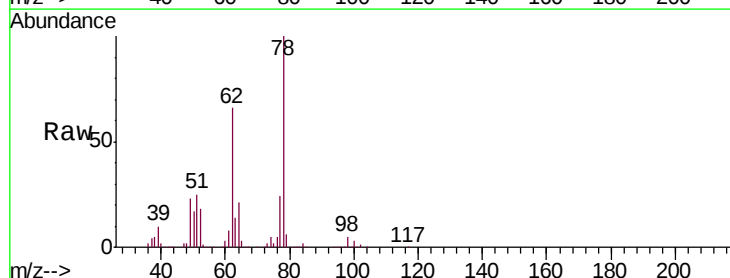
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

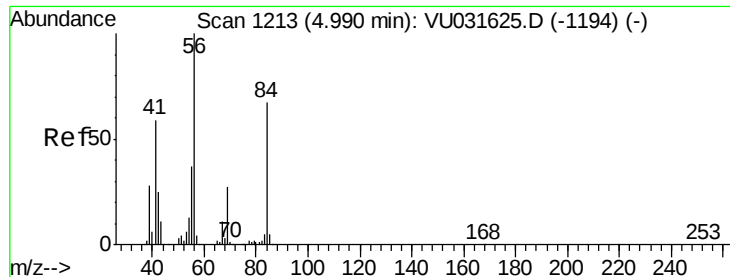
Tgt Ion: 83 Resp: 591042
Ion Ratio Lower Upper
83 100
85 64.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 54.155 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Tgt Ion: 62 Resp: 495083
Ion Ratio Lower Upper
62 100
98 7.1 7.1 10.7#

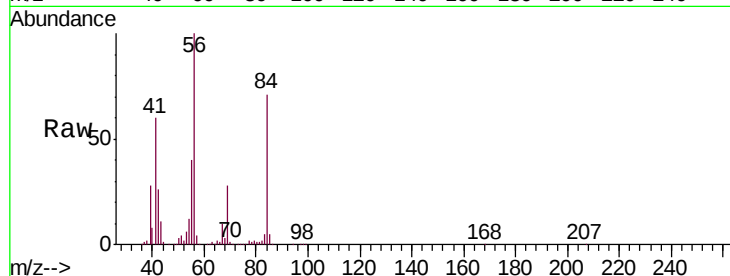




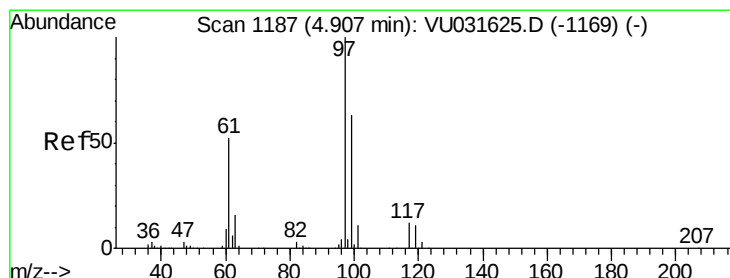
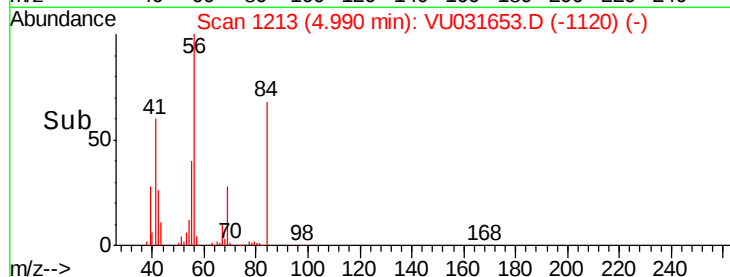
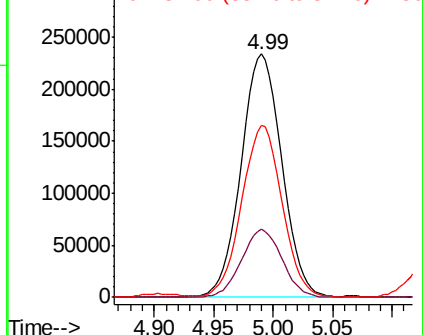
#29
Cyclohexane
Concen: 54.843 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion: 56 Resp: 555421
Ion Ratio Lower Upper
56 100
69 27.8 22.3 33.5
84 69.8 57.5 86.3

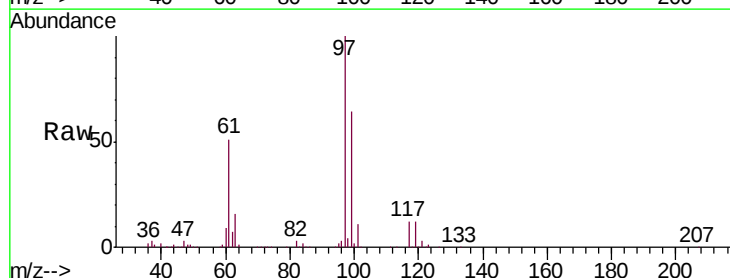


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

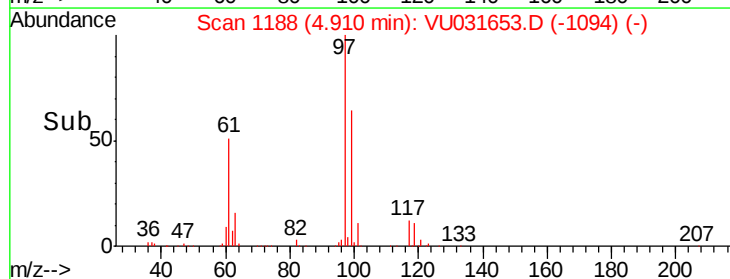
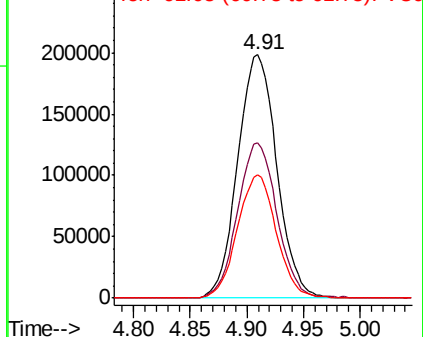


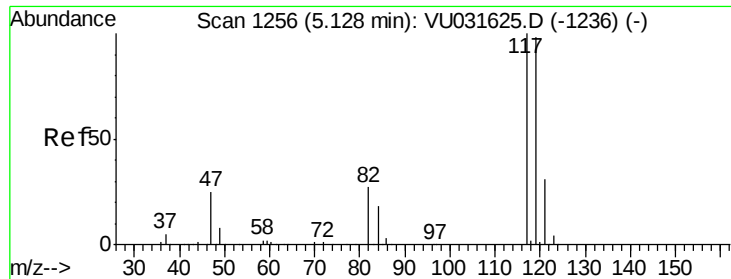
#30
1,1,1-Trichloroethane
Concen: 53.400 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Tgt Ion: 97 Resp: 478772
Ion Ratio Lower Upper
97 100
99 64.0 52.0 78.0
61 50.4 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

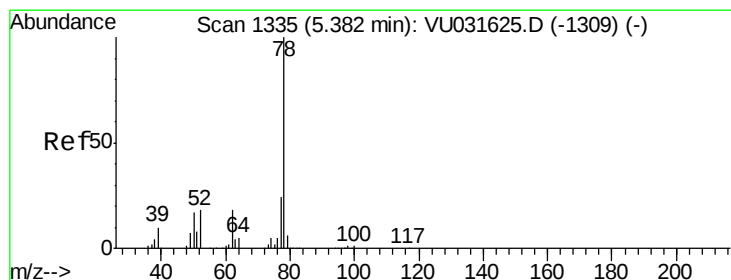
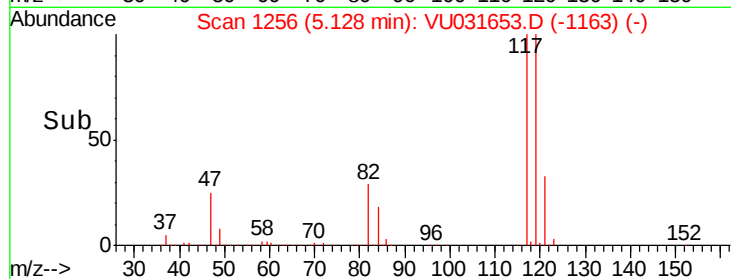
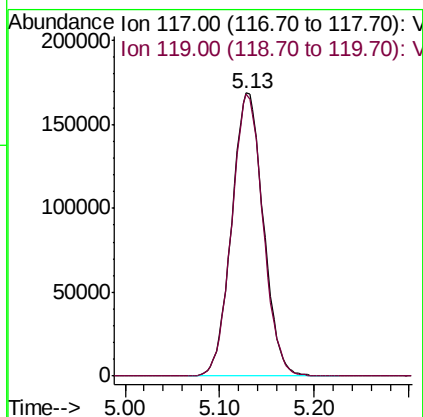
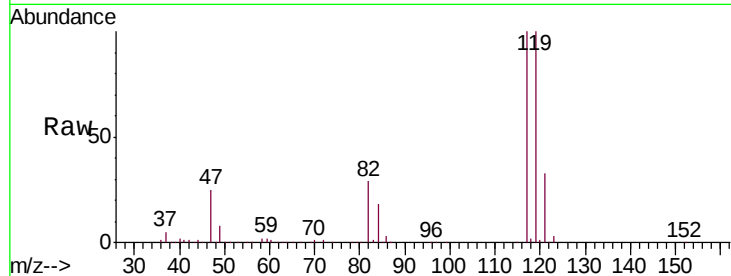




#31
Carbon tetrachloride
Concen: 51.312 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

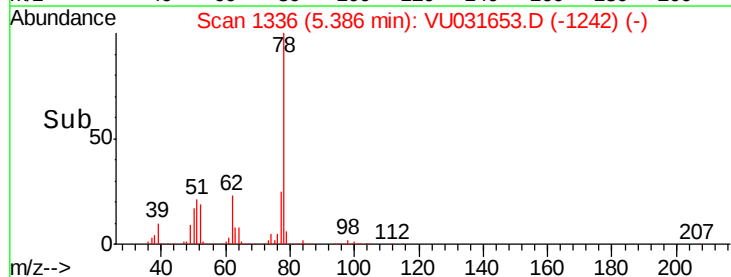
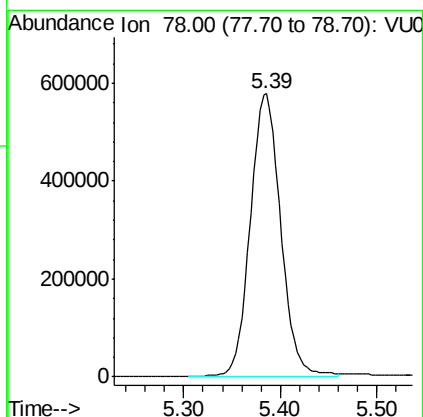
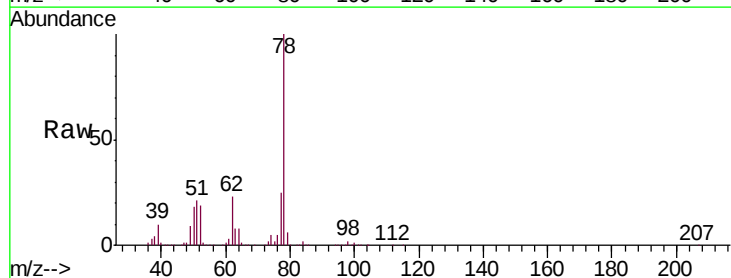
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

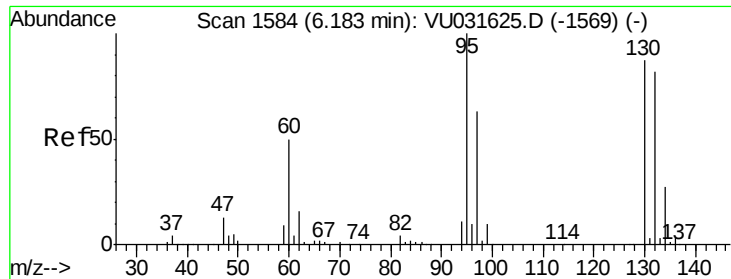
Tgt Ion:117 Resp: 393215
Ion Ratio Lower Upper
117 100
119 97.9 76.6 114.8



#33
Benzene
Concen: 53.854 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Tgt Ion: 78 Resp: 1267002

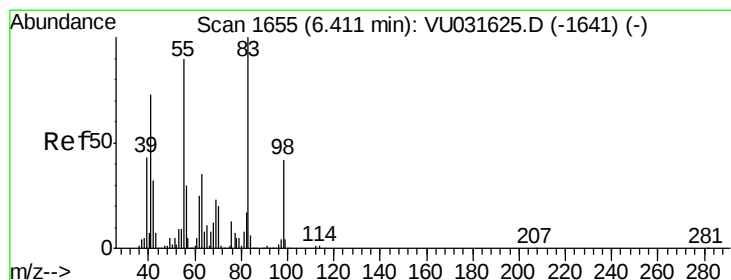
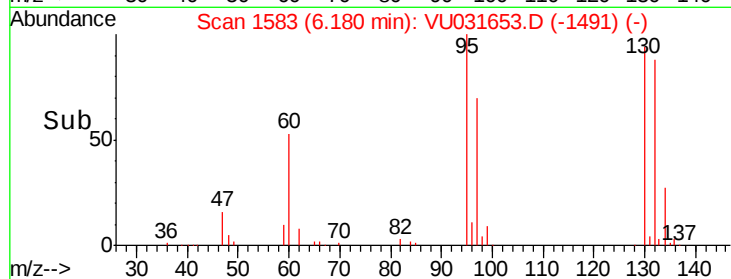
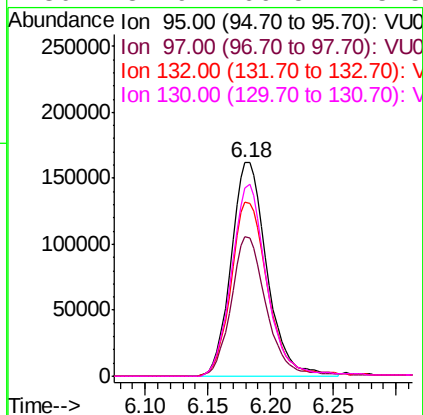
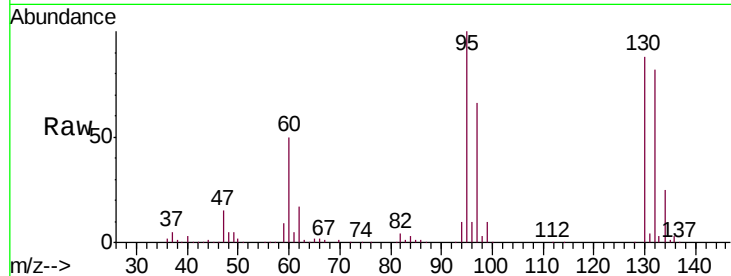




#34
 Trichloroethene
 Concen: 56.389 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

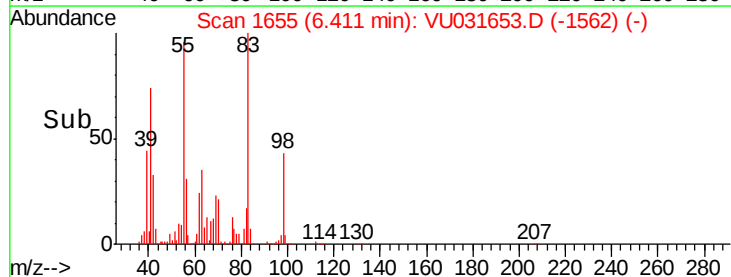
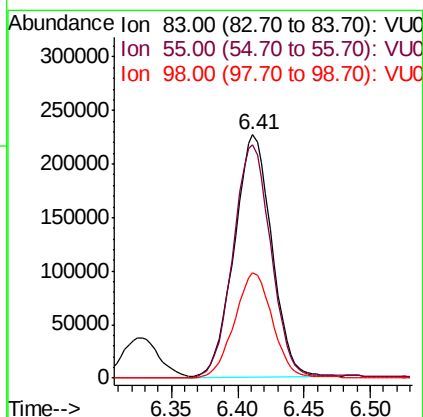
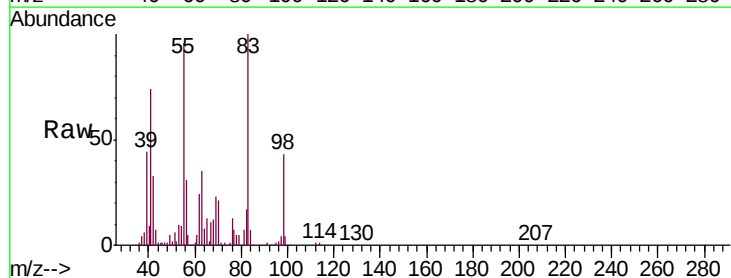
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

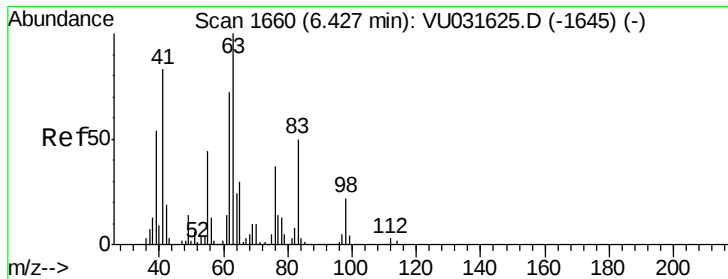
Tgt Ion:	95	Resp:	321584
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.8	83.2
132	81.8	63.1	117.1
130	87.9	66.5	123.5



#35
 Methylcyclohexane
 Concen: 51.922 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion:	83	Resp:	443765
Ion	Ratio	Lower	Upper
83	100		
55	97.9	73.0	109.4
98	44.2	35.3	52.9

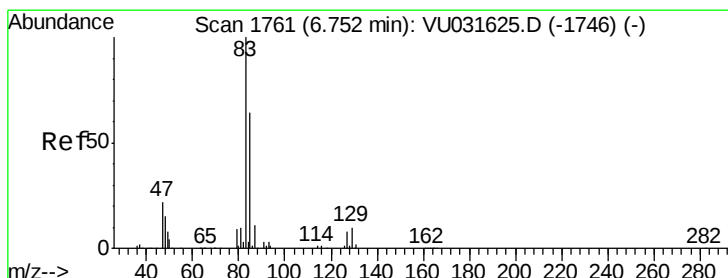
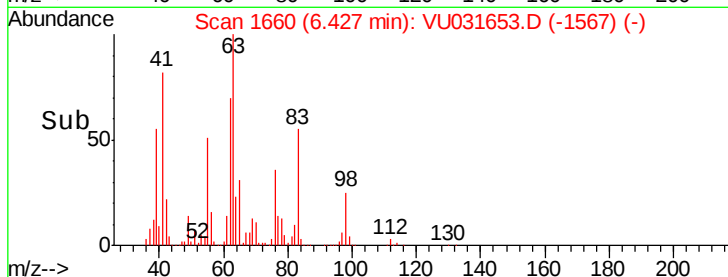
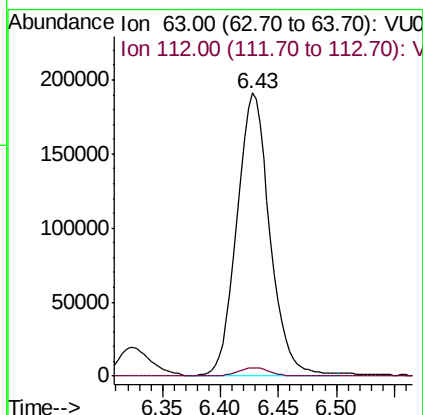
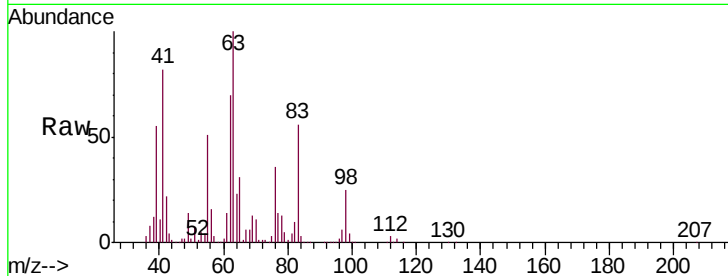




#37
 1,2-Dichloropropane
 Concen: 56.191 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

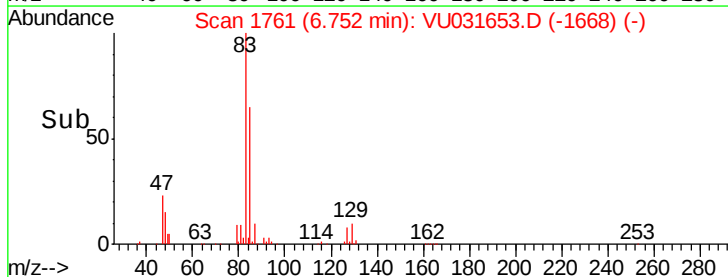
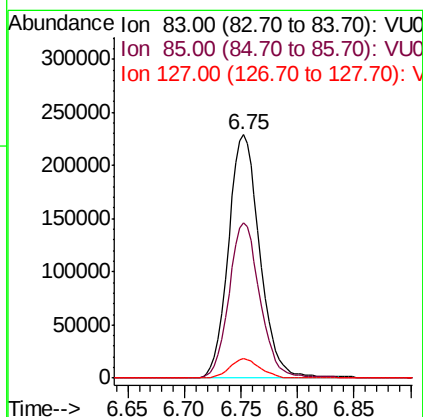
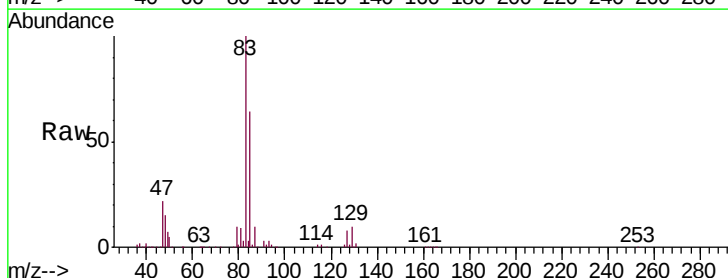
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

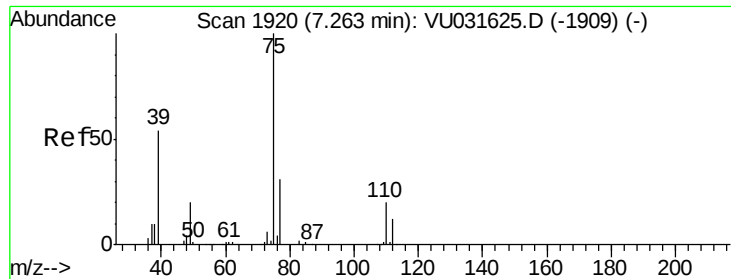
Tgt Ion: 63 Resp: 375299
 Ion Ratio Lower Upper
 63 100
 112 2.9 2.7 4.1



#38
 Bromodichloromethane
 Concen: 54.331 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion: 83 Resp: 439983
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.7 81.1
 127 7.8 6.7 10.1

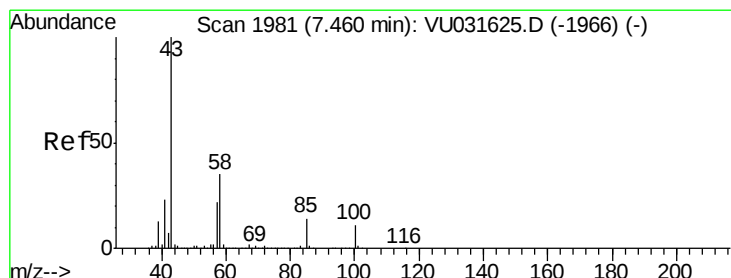
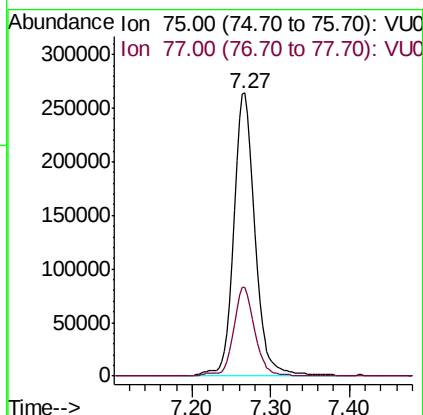
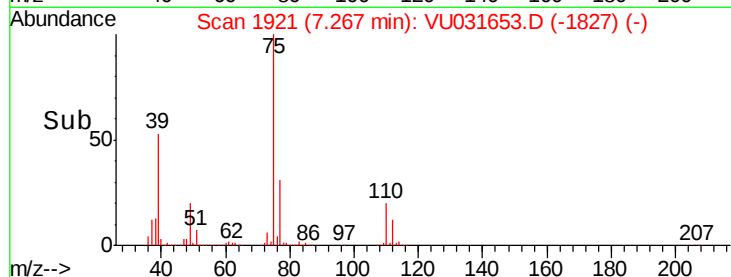
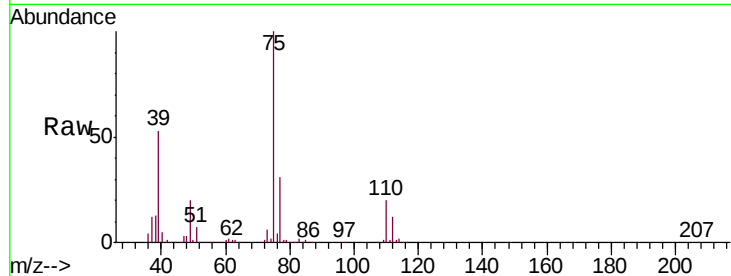




#39
 cis-1,3-Dichloropropene
 Concen: 56.072 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

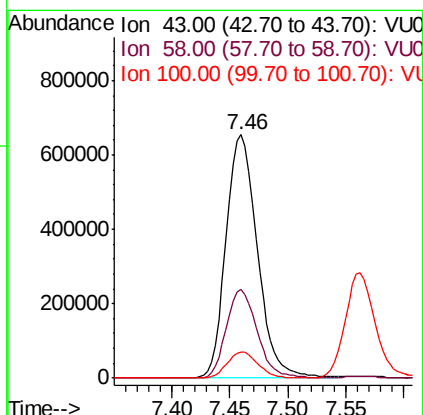
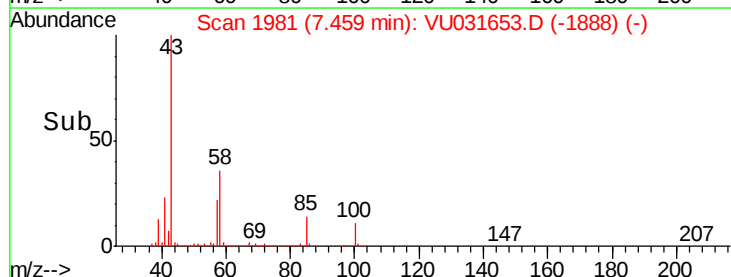
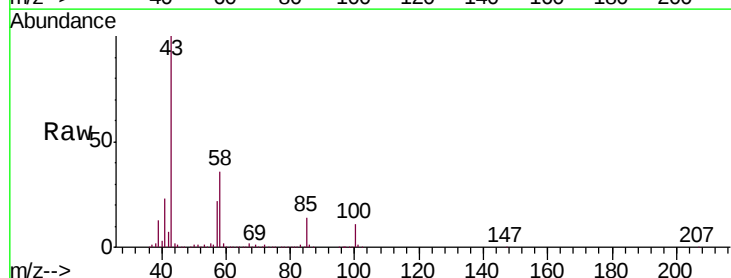
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

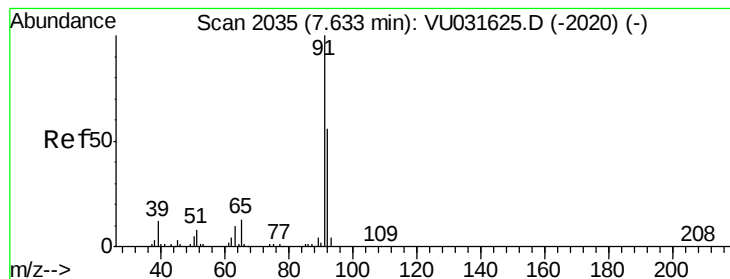
Tgt Ion: 75 Resp: 494864
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 119.409 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion: 43 Resp: 1227040
 Ion Ratio Lower Upper
 43 100
 58 35.8 30.1 45.1
 100 10.5 9.6 14.4





#42

Toluene

Concen: 54.100 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

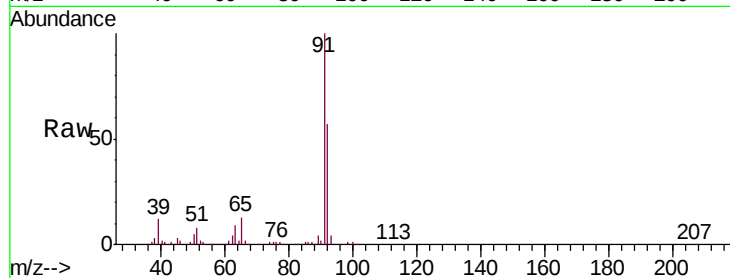
VSTD05056

Tgt Ion: 91 Resp: 1267875

Ion Ratio Lower Upper

91 100

92 57.0 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU031653.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031653.D (-2020) (-)

7.63

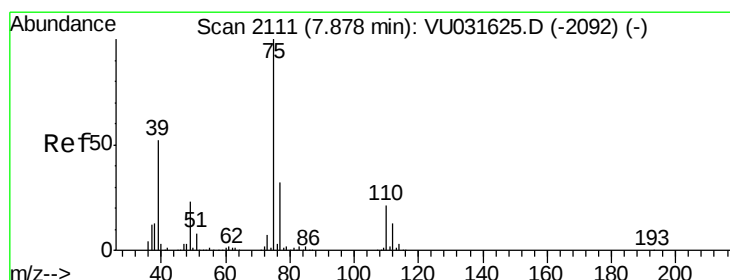
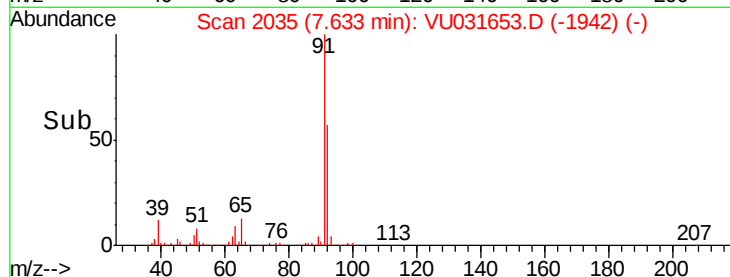
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#44

trans-1,3-Dichloropropene

Concen: 54.091 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031653.D

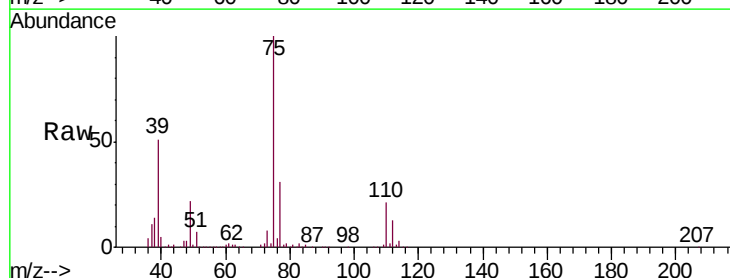
Acq: 30 Apr 2019 23:06

Tgt Ion: 75 Resp: 432983

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031653.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031653.D (-2092) (-)

7.88

250000

200000

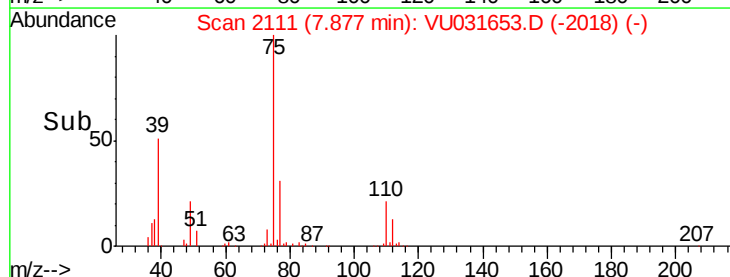
150000

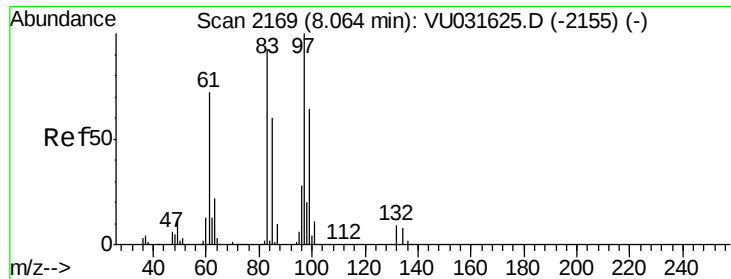
100000

50000

0

Time--> 7.80 7.90 8.00

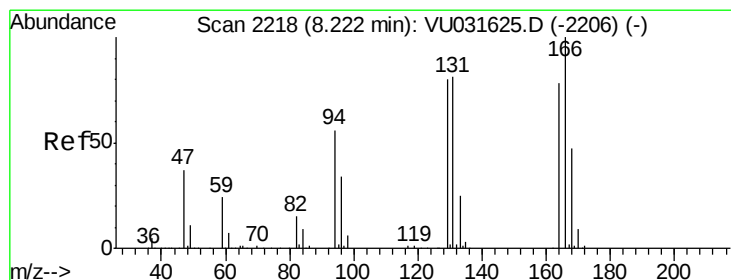
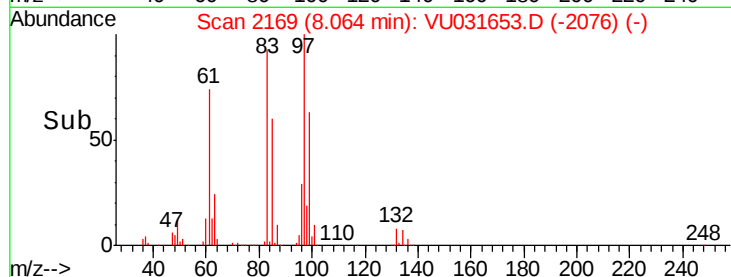
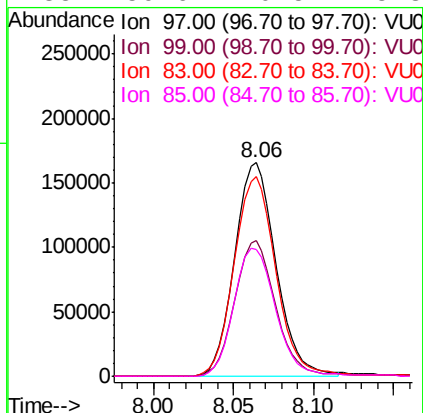
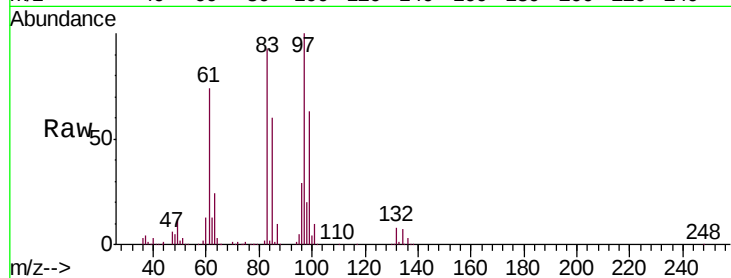




#45
 1,1,2-Trichloroethane
 Concen: 53.041 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

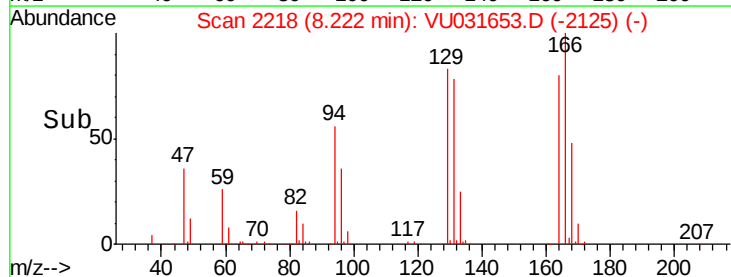
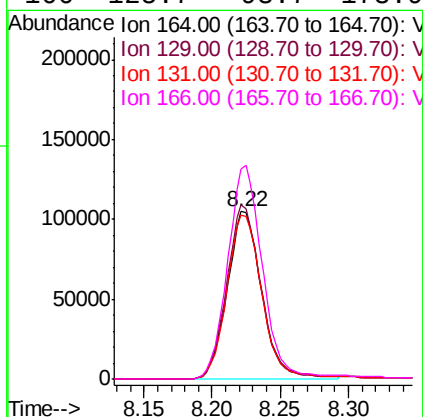
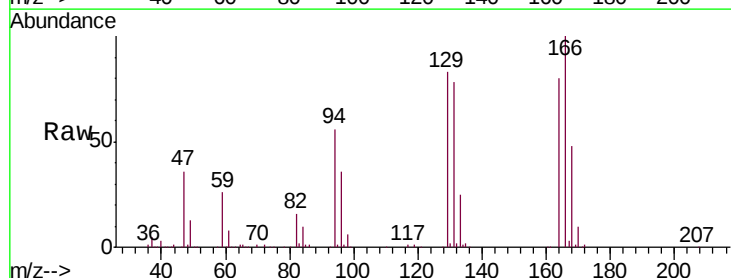
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

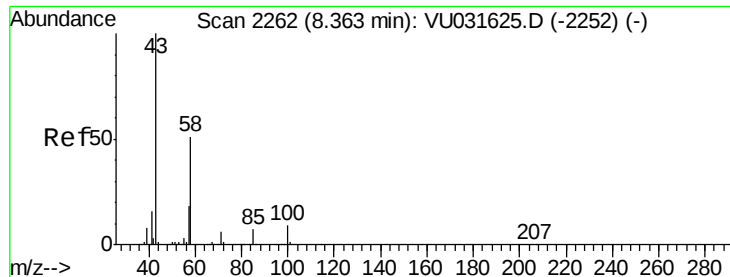
Tgt Ion:	97	Resp:	292053
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	80.0
83	93.4	63.6	118.2
85	59.6	40.5	75.3



#46
 Tetrachloroethene
 Concen: 47.602 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion:	164	Resp:	185070
Ion	Ratio	Lower	Upper
164	100		
129	104.0	71.5	132.9
131	97.9	69.0	128.2
166	125.7	93.7	173.9

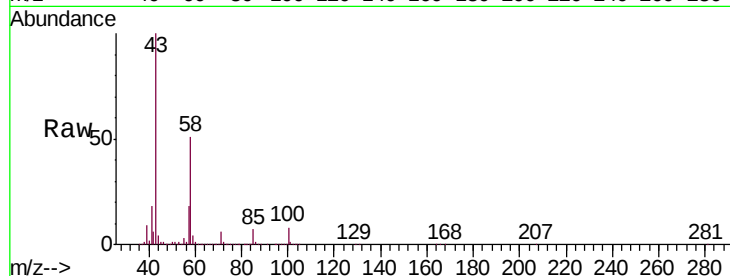




#48
2-Hexanone
Concen: 118.299 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion:	43	Resp:	983189
Ion	Ratio	Lower	Upper
43	100		
58	50.2	42.1	63.1
57	18.1	14.6	22.0
100	8.2	7.2	10.8



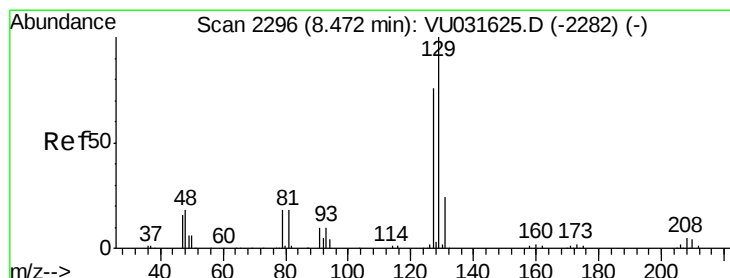
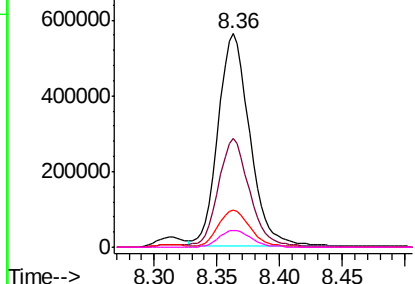
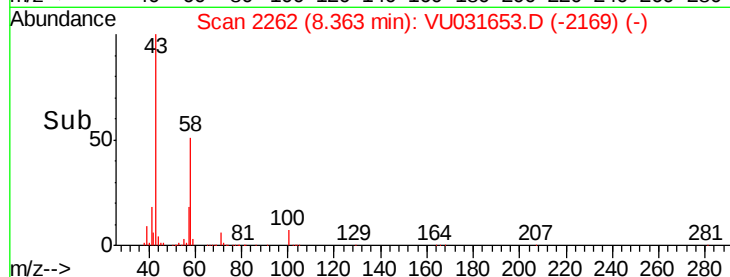
Abundance

Ion 43.00 (42.70 to 43.70): VU031653.D (-2169) (-)

Ion 58.00 (57.70 to 58.70): VU031653.D (-2169) (-)

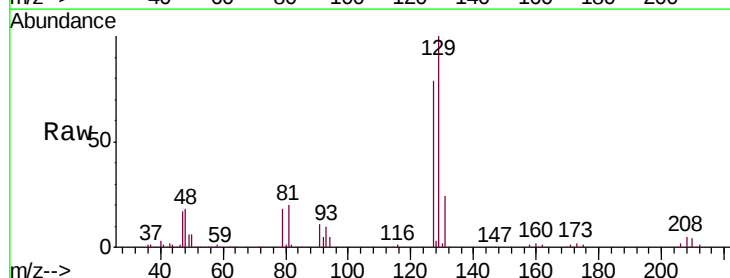
Ion 57.00 (56.70 to 57.70): VU031653.D (-2169) (-)

Ion 100.00 (99.70 to 100.70): VU031653.D (-2169) (-)



#49
Dibromochloromethane
Concen: 51.071 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

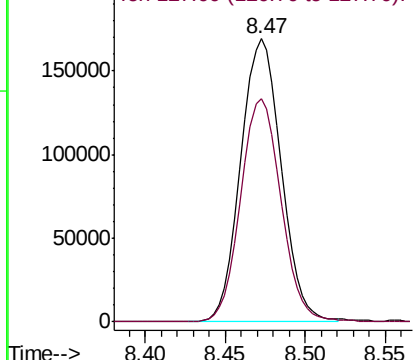
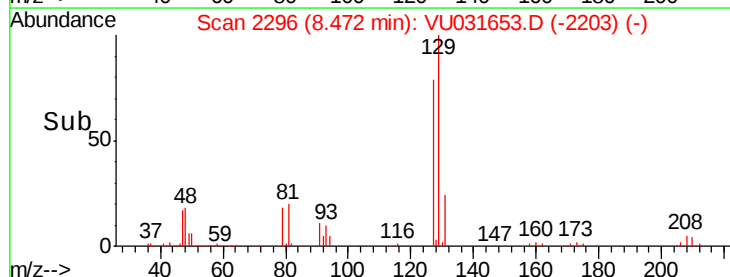
Tgt Ion:	129	Resp:	292592
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.0	100.2

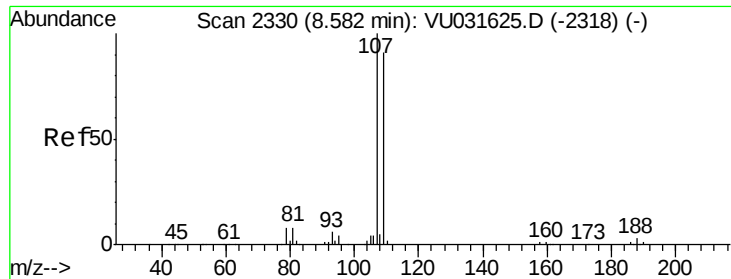


Abundance

Ion 129.00 (128.70 to 129.70): VU031653.D (-2203) (-)

Ion 127.00 (126.70 to 127.70): VU031653.D (-2203) (-)

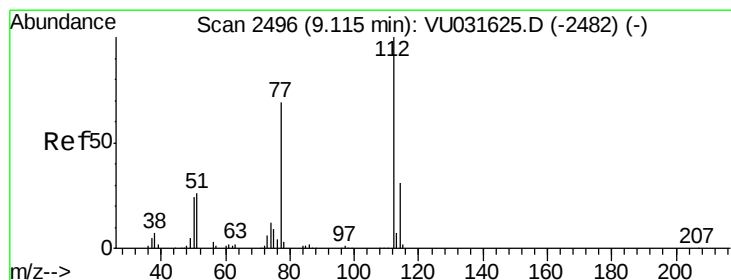
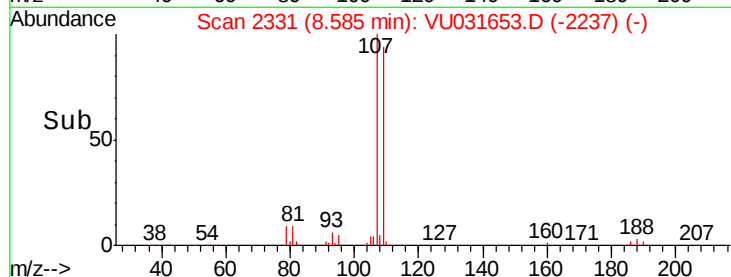
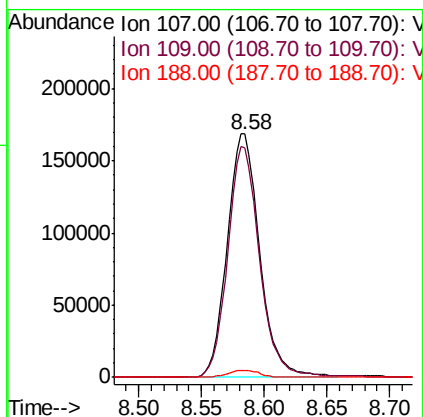
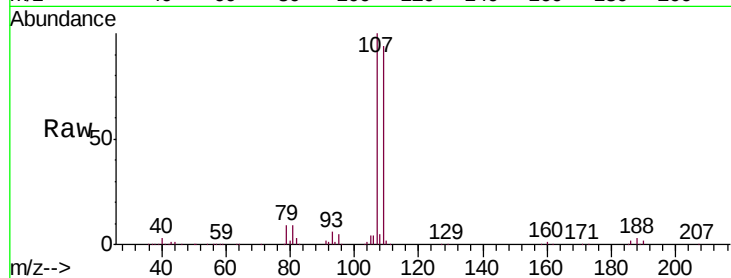




#50
1,2-Dibromoethane
Concen: 52.269 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

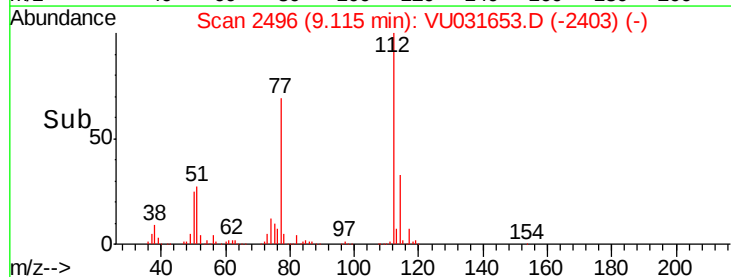
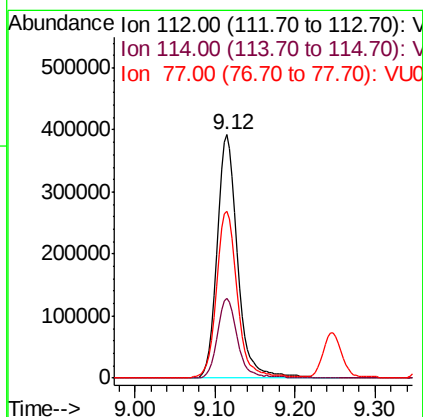
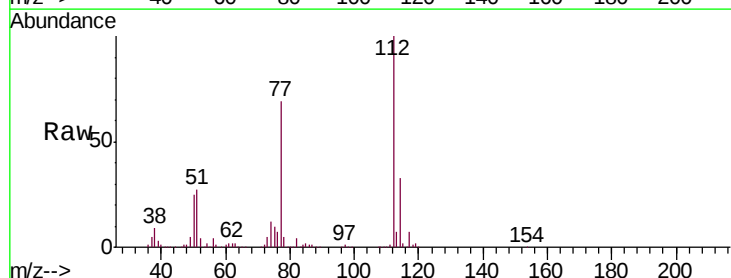
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

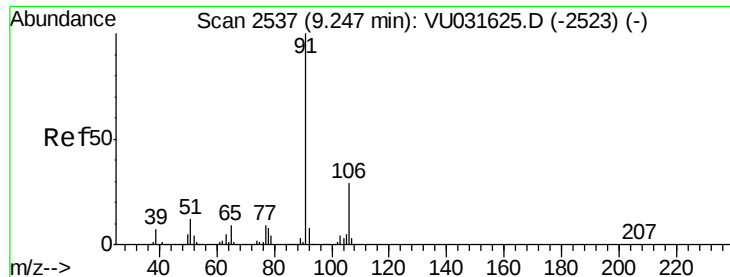
Tgt Ion:107 Resp: 303958
Ion Ratio Lower Upper
107 100
109 94.3 64.9 120.5
188 2.9 2.4 3.6



#51
Chlorobenzene
Concen: 50.418 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031653.D
Acq: 30 Apr 2019 23:06

Tgt Ion:112 Resp: 698248
Ion Ratio Lower Upper
112 100
114 32.5 23.3 43.3
77 68.6 53.0 79.4





#52

Ethylbenzene

Concen: 53.223 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

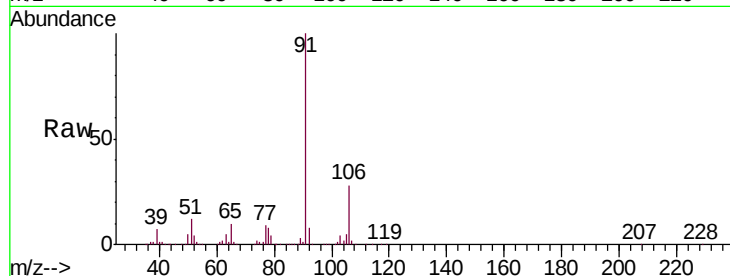
VSTD05056

Tgt Ion: 91 Resp: 1293842

Ion Ratio Lower Upper

91 100

106 28.4 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031625.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU031625.D (-2523) (-)

9.25

800000

600000

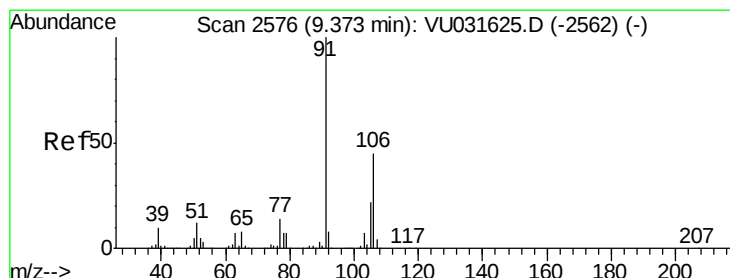
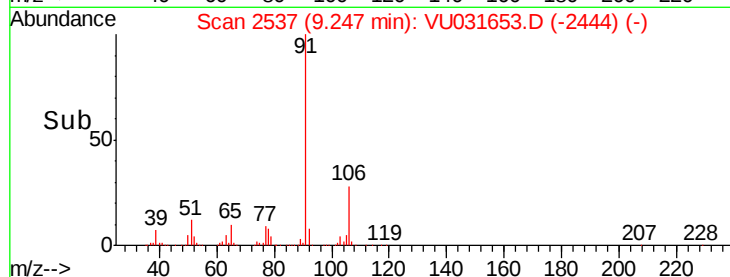
400000

200000

0

9.20 9.30

Time-->



#53

m,p-Xylene

Concen: 52.798 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031653.D

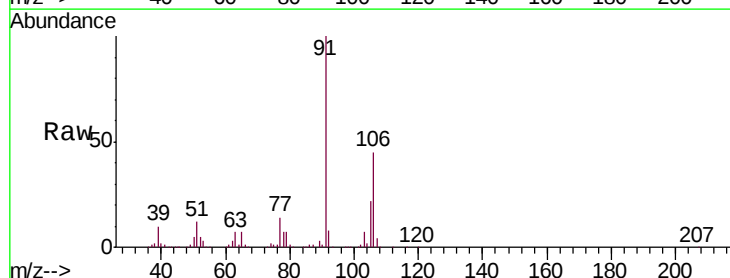
Acq: 30 Apr 2019 23:06

Tgt Ion: 106 Resp: 447194

Ion Ratio Lower Upper

106 100

91 222.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031625.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU031625.D (-2562) (-)

9.37

600000

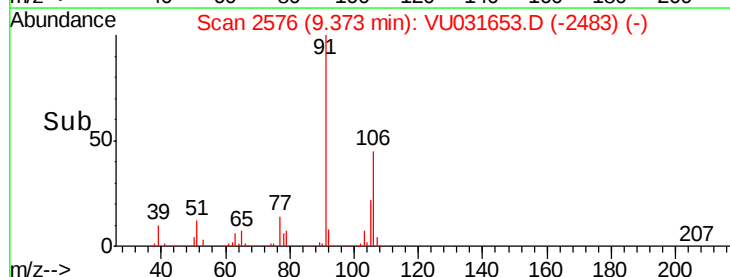
400000

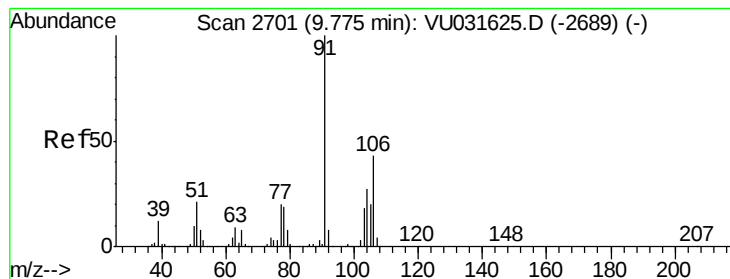
200000

0

9.30 9.35 9.40 9.45 9.50

Time-->





#54

o-xylene

Concen: 53.971 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

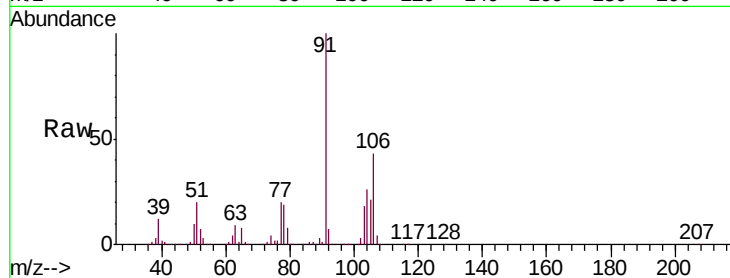
VSTD05056

Tgt Ion:106 Resp: 453198

Ion Ratio Lower Upper

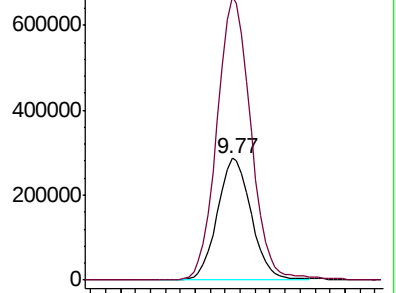
106 100

91 232.6 163.2 303.2

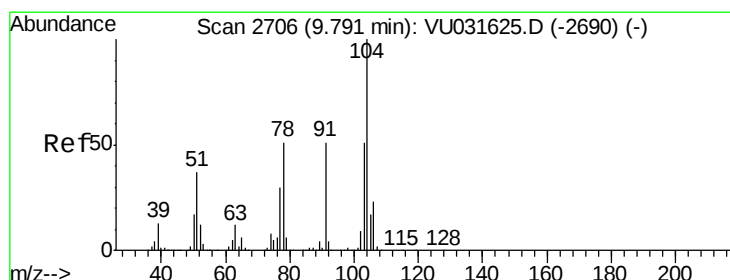
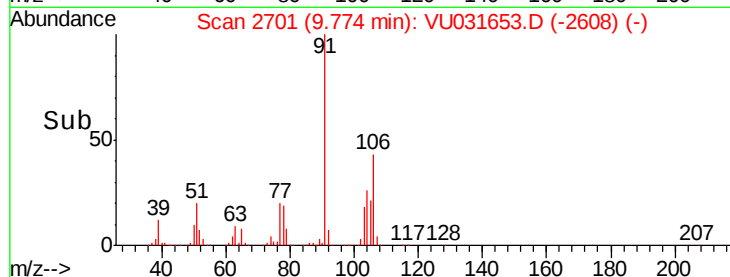


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 54.183 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU031653.D

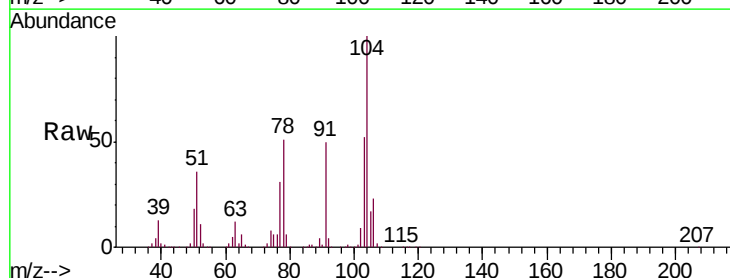
Acq: 30 Apr 2019 23:06

Tgt Ion:104 Resp: 777328

Ion Ratio Lower Upper

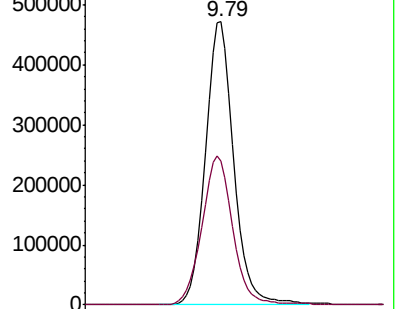
104 100

78 50.9 35.4 65.7

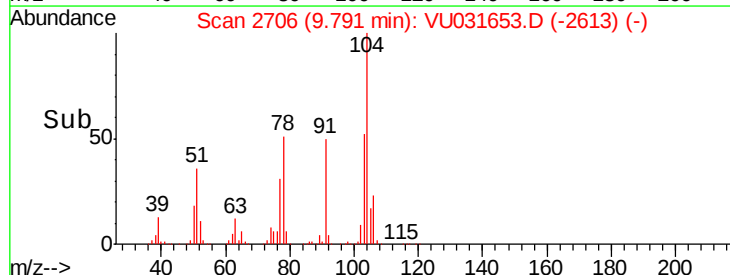


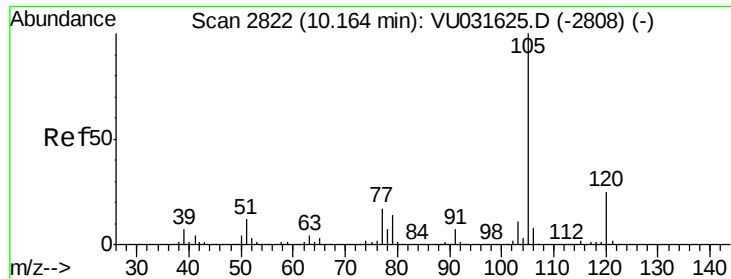
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 52.722 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

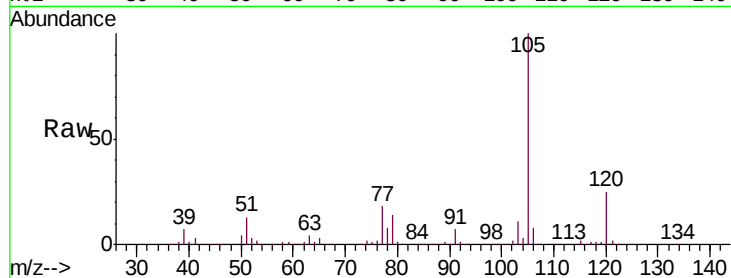
Tgt Ion:105 Resp: 1164146

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

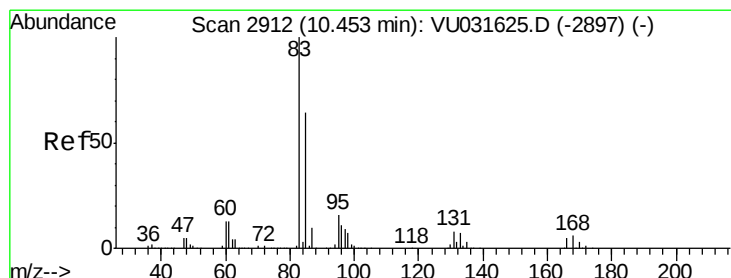
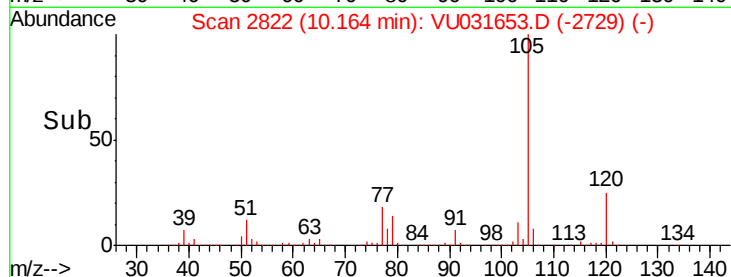
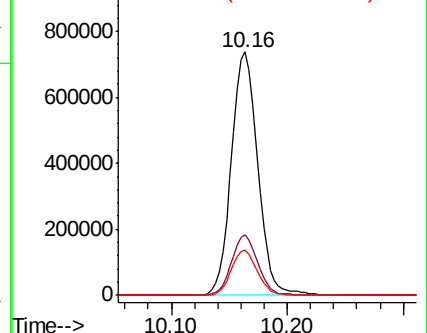
77 18.3 13.8 20.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.052 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

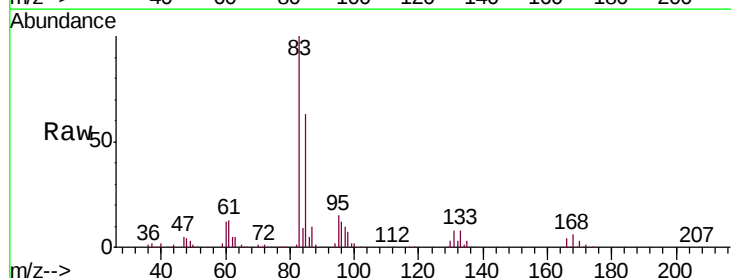
Tgt Ion: 83 Resp: 528122

Ion Ratio Lower Upper

83 100

85 63.4 46.0 85.4

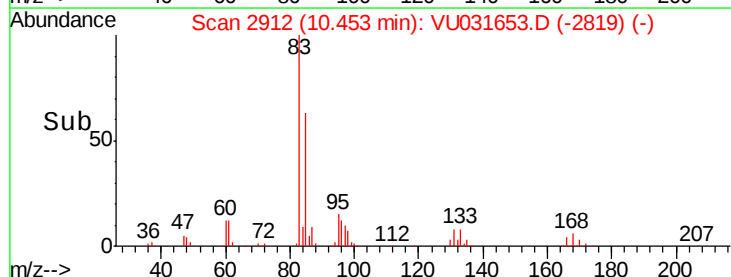
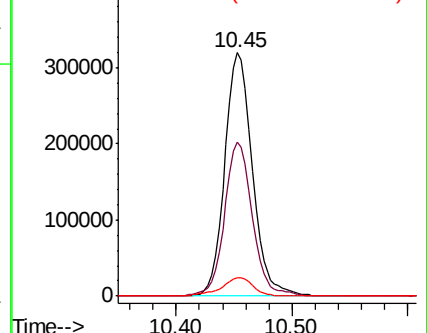
131 7.6 7.3 10.9

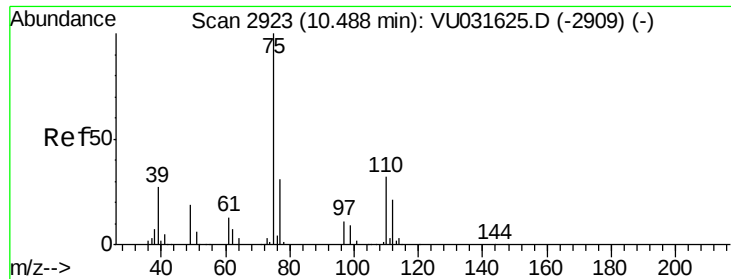


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.825 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

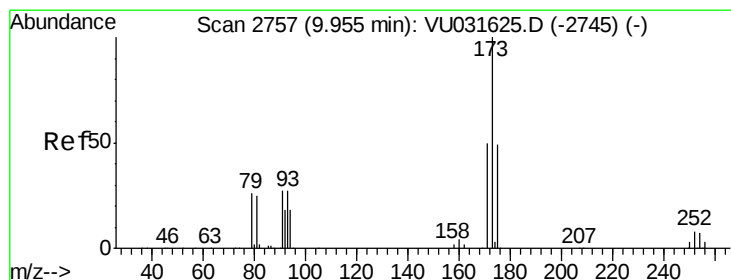
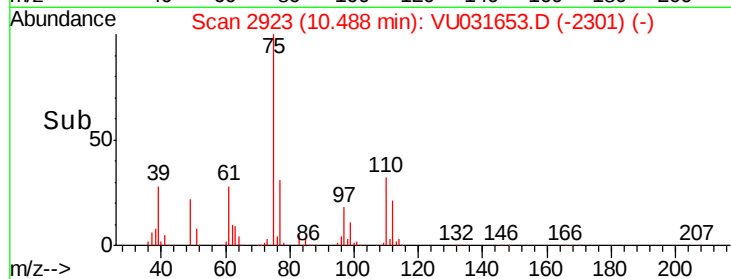
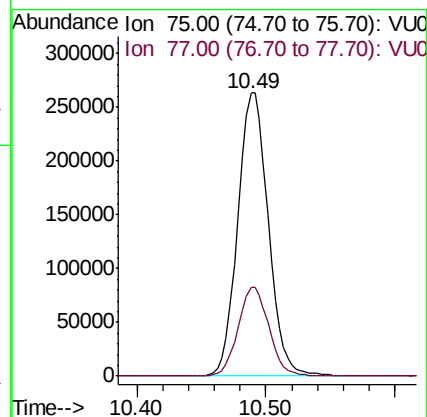
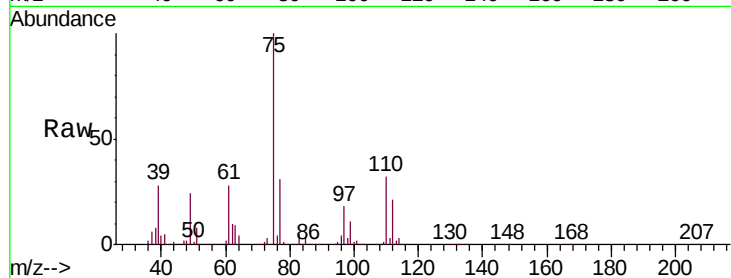
VSTD05056

Tgt Ion: 75 Resp: 434147

Ion Ratio Lower Upper

75 100

77 31.7 25.9 38.9



#61

Bromoform

Concen: 48.042 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

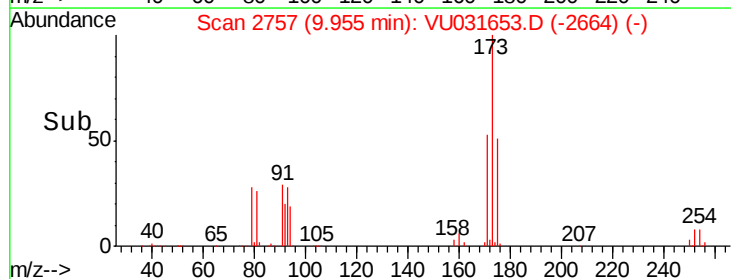
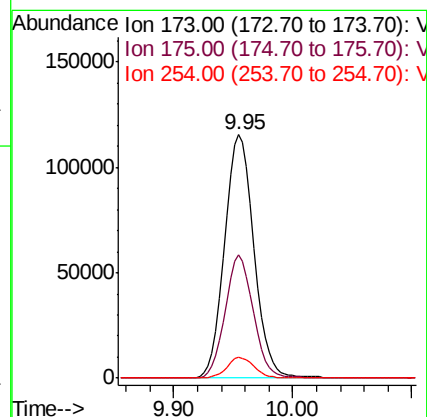
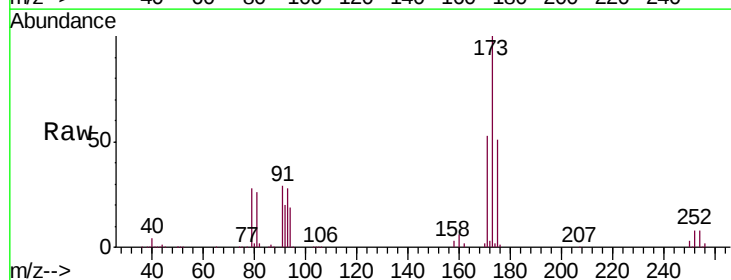
Tgt Ion: 173 Resp: 197518

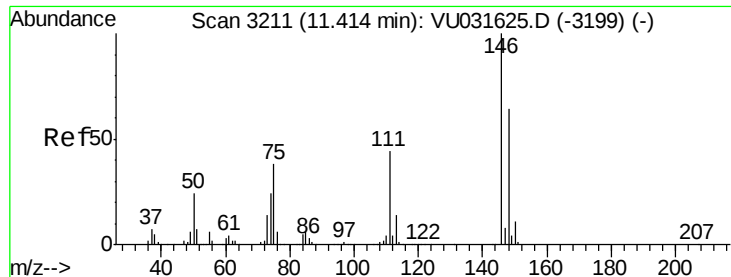
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 7.7 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 49.361 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

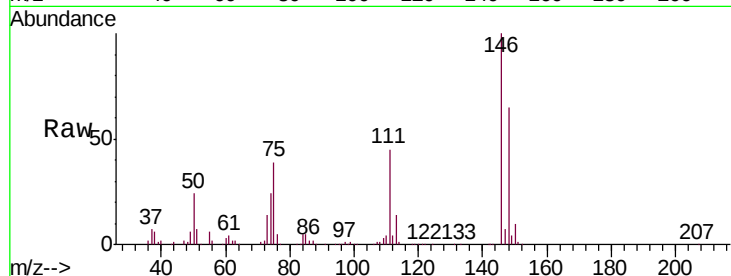
Tgt Ion:146 Resp: 453182

Ion Ratio Lower Upper

146 100

111 45.3 29.8 55.4

148 64.9 45.1 83.9

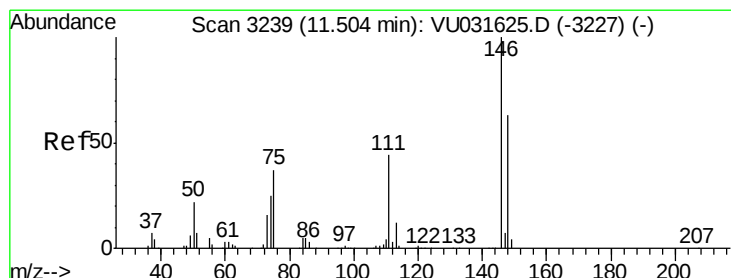
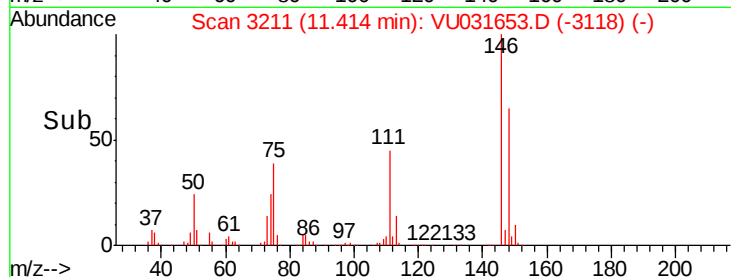
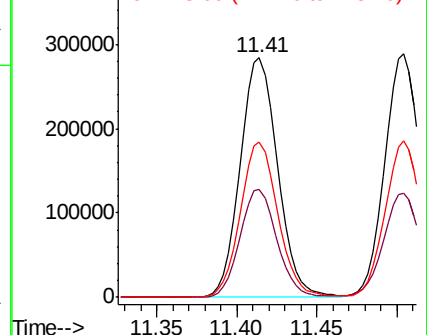


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.487 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

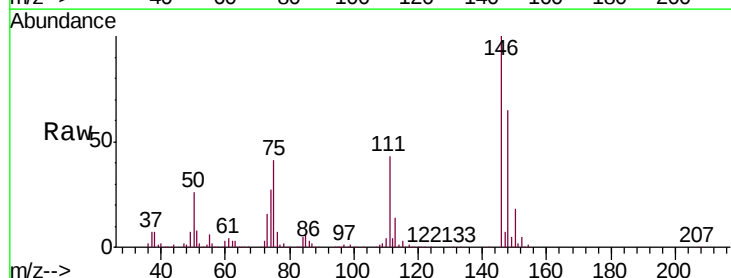
Tgt Ion:146 Resp: 461028

Ion Ratio Lower Upper

146 100

111 43.0 28.2 52.4

148 64.6 45.4 84.4

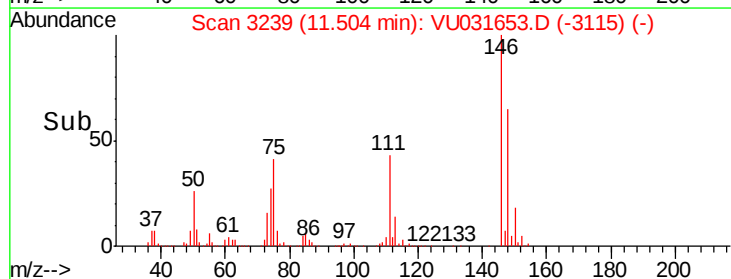
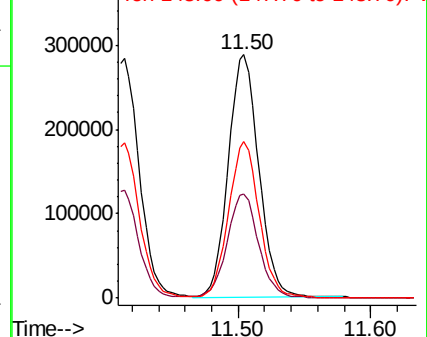


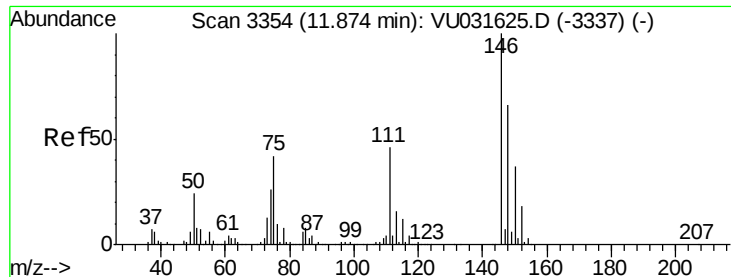
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

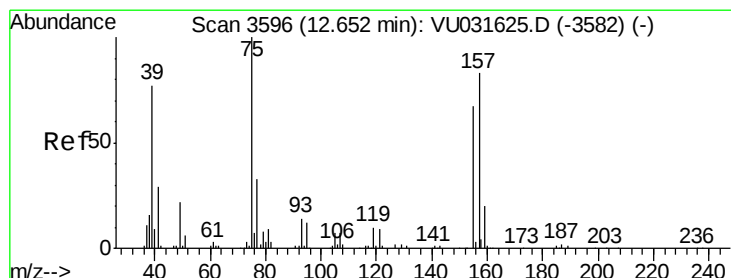
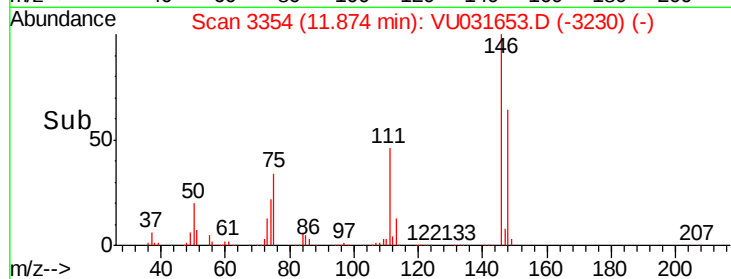
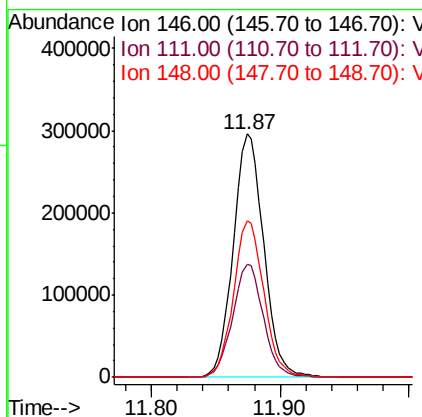
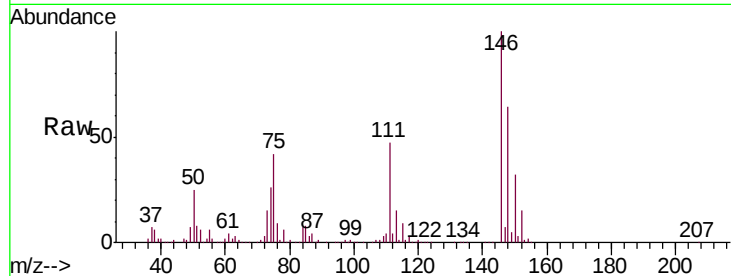




#65
 1,2-Dichlorobenzene
 Concen: 49.839 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

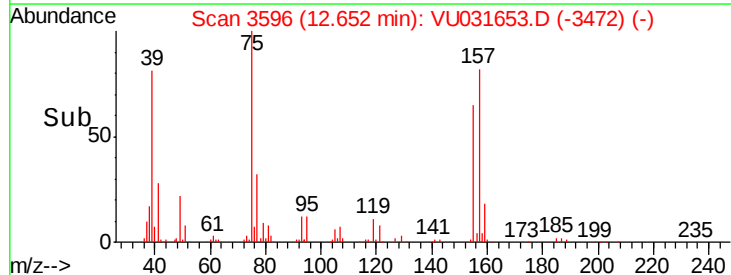
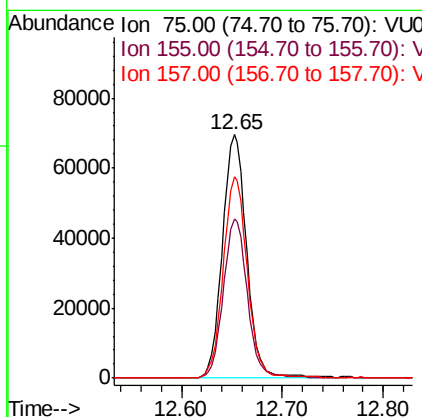
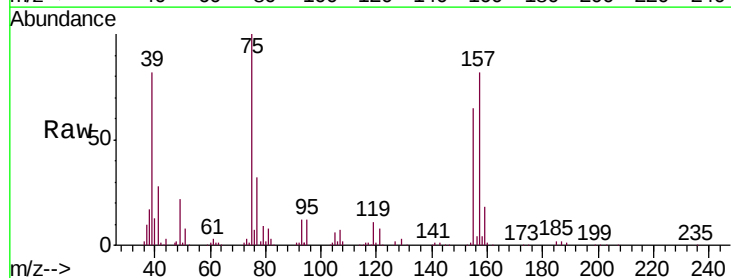
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

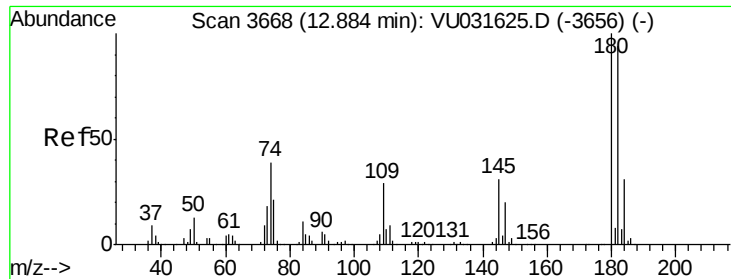
Tgt Ion: 146 Resp: 486303
 Ion Ratio Lower Upper
 146 100
 111 46.6 35.9 53.9
 148 64.4 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.941 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion: 75 Resp: 117626
 Ion Ratio Lower Upper
 75 100
 155 65.3 54.0 81.0
 157 82.5 69.1 103.7

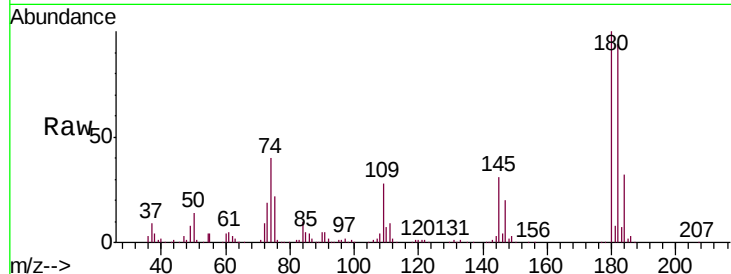




#67
 1,3,5-Trichlorobenzene
 Concen: 46.869 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.3	115.9
184	31.0	24.4	36.6
145	31.1	23.8	35.8



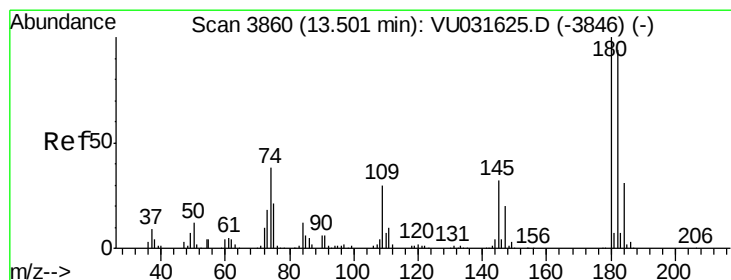
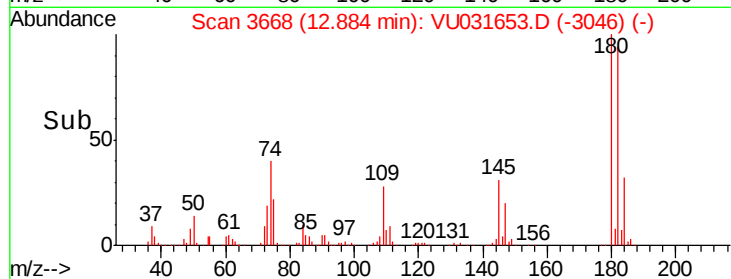
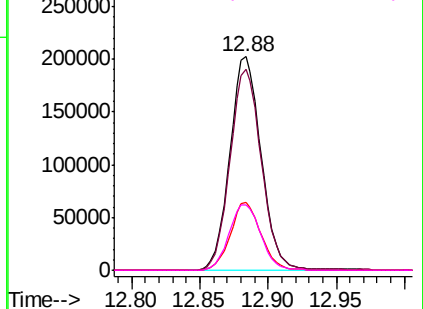
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

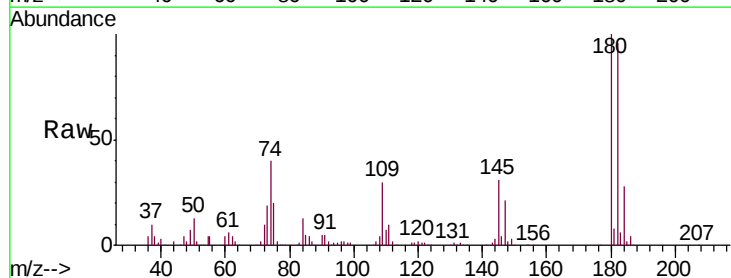
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.812 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031653.D
 Acq: 30 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	30.9	24.5	36.7

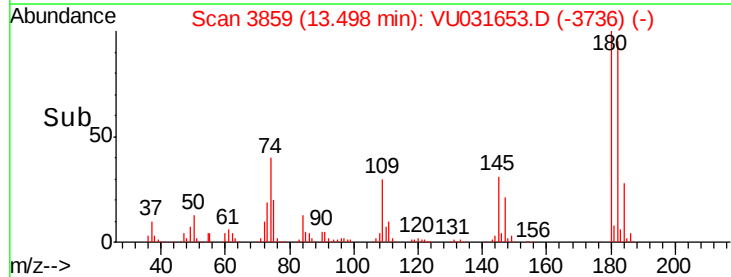
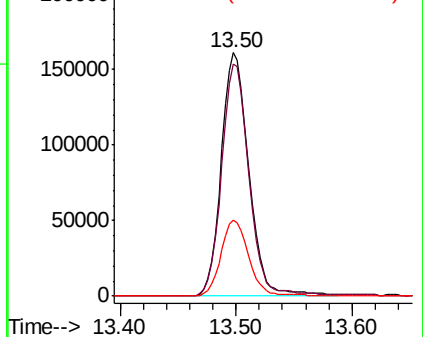


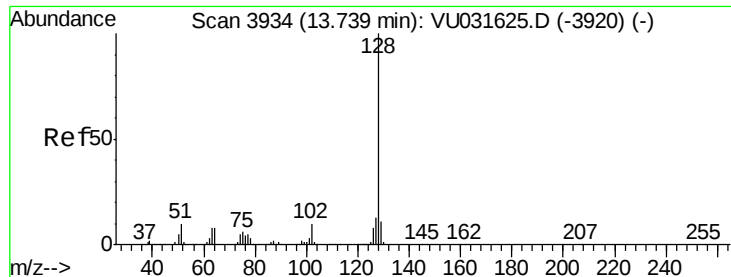
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.118 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

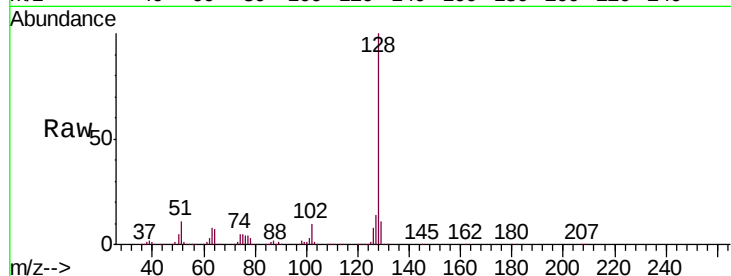
Tgt Ion:128 Resp: 967358

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 10.4 8.7 13.1

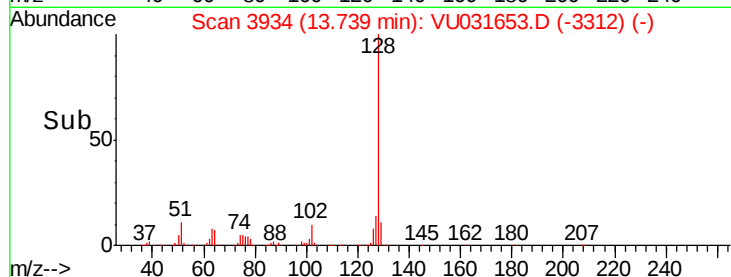


Abundance Ion 128.00 (127.70 to 128.70): V

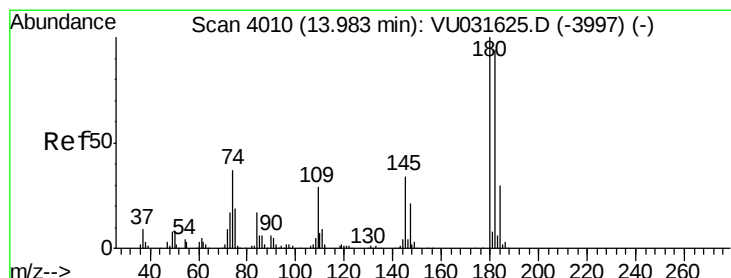
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.74



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 47.009 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031653.D

Acq: 30 Apr 2019 23:06

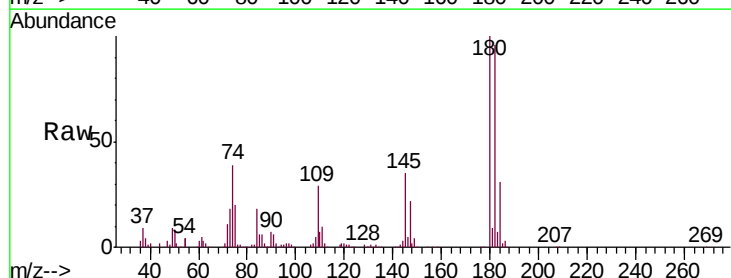
Tgt Ion:180 Resp: 291348

Ion Ratio Lower Upper

180 100

182 97.1 76.1 114.1

145 34.2 26.0 39.0

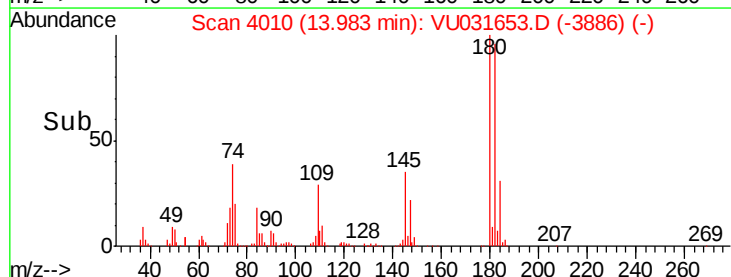


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

13.98



Time-->