

Data File : VU029833.D
Acq On : 06 Mar 2019 10:47
Operator : JC/SP
Sample : VSTDIC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Mar 07 01:05:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	63747	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23633	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	26518	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.20	85	103451	4.850	ug/l	98
3) Chloromethane	1.33	50	93369	4.916	ug/l	99
4) Vinyl Chloride	1.40	62	105852	4.954	ug/l	98
5) Bromomethane	1.63	94	68617	4.702	ug/l	98
6) Chloroethane	1.70	64	62829	4.904	ug/l	96
7) Trichlorofluoromethane	1.88	101	145305	4.990	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	83346	4.920	ug/l	98
9) 1,1-Dichloroethene	2.28	96	81545	4.918	ug/l	99
10) Iodomethane	2.41	142	79764	5.549	ug/l	100
11) Allyl Chloride	2.59	41	115045	4.936	ug/l	99
12) Acrylonitrile	2.94	53	35450	9.805	ug/l	99
13) Acetone	2.32	43	73342	24.493	ug/l	96
14) Carbon Disulfide	2.47	76	265010	4.935	ug/l	99
15) Methylene Chloride	2.70	84	94227	4.736	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	91777	4.900	ug/l	98
17) 1,1-Dichloroethane	3.44	63	156118	4.981	ug/l	98
18) 2-Butanone	4.27	43	102672	25.230	ug/l	98
19) Cyclohexane	4.99	56	105475	4.436	ug/l	99
20) Methylcyclohexane	6.41	83	144304	5.092	ug/l	98
21) 2,2-Dichloropropane	4.22	77	129621	5.060	ug/l	96
22) cis-1,2-Dichloroethene	4.22	96	99998	5.037	ug/l	98
23) Diethyl Ether	2.10	59	61688	4.962	ug/l	99
24) tert-Butyl Alcohol	2.83	59	62105	48.431	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	209318	5.013	ug/l	99
26) Bromochloromethane	4.54	128	46089	5.230	ug/l	95
27) Chloroform	4.67	83	156614	4.935	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	136538	5.074	ug/l	99
29) 1,1-Dichloropropene	5.13	75	119985	5.018	ug/l	100
30) Carbon Tetrachloride	5.13	117	120377	5.128	ug/l	98
31) Isopropyl Ether	3.58	45	215024	4.975	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	210463	5.009	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	200440	5.159	ug/l	99
34) Propionitrile	4.33	54	30511	25.205	ug/l #	96
35) Benzene	5.38	78	357113	5.070	ug/l	99
36) 1,2-Dichloroethane	5.40	62	94781	4.927	ug/l	99
37) Trichloroethene	6.18	130	101865	4.953	ug/l	96
38) 1,2-Dichloropropane	6.43	63	89216	5.004	ug/l	98
39) Methacrylonitrile	4.55	41	25843	5.075	ug/l	99
40) Methyl acrylate	4.43	55	40469	5.028	ug/l	99
41) Tetrahydrofuran	4.65	42	24706	9.276	ug/l	97
42) 1-Chlorobutane	5.06	56	158652	5.194	ug/l	100

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Mar 07 01:05:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	47422	5.132	ug/l	99
44) Bromodichloromethane	6.75	83	113625	5.007	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	248401	25.774	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	55028	13.117	ug/l #	81
47) Methyl methacrylate	6.62	69	82063	10.349	ug/l	98
48) Ethyl methacrylate	8.02	69	80506	5.299	ug/l	100
49) Toluene	7.63	92	222317	5.139	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	102449	5.151	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	125185	5.084	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	70267	5.137	ug/l	98
53) 1,3-Dichloropropane	8.24	76	112987	5.036	ug/l	98
54) 2-Hexanone	8.36	43	175438	26.210	ug/l	99
55) Dibromochloromethane	8.47	129	83165	5.123	ug/l	99
56) 1,2-Dibromoethane	8.58	107	65972	5.087	ug/l	100
58) Tetrachloroethene	8.22	164	104054	4.953	ug/l	98
59) Chlorobenzene	9.12	112	250973	5.048	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	90645	5.083	ug/l	99
61) Pentachloroethane	11.10	117	63133	5.085	ug/l	97
62) Hexachloroethane	12.14	117	66524	5.093	ug/l	98
63) Ethyl Benzene	9.25	91	419023	5.145	ug/l	99
64) m/p-Xylenes	9.37	106	338234	10.506	ug/l	100
65) o-Xylene	9.77	106	161293	5.216	ug/l	98
66) Styrene	9.79	104	275298	5.359	ug/l	99
67) Bromoform	9.95	173	49661	5.208	ug/l	97
69) Isopropylbenzene	10.16	105	425870	5.194	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	85310	5.114	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	55028	4.555	ug/l #	91
72) Bromobenzene	10.45	156	111600	5.142	ug/l	98
73) n-propylbenzene	10.58	120	122493	5.314	ug/l	98
74) 2-Chlorotoluene	10.66	126	105062	5.138	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	363780	5.267	ug/l	100
76) 4-Chlorotoluene	10.77	126	108300	5.194	ug/l	100
77) tert-Butylbenzene	11.10	119	354092	5.181	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	376973	5.401	ug/l	99
79) sec-Butylbenzene	11.32	105	478660	5.285	ug/l	100
80) Nitrobenzene	12.86	77	6813	21.397	ug/l #	91
81) p-Isopropyltoluene	11.47	119	402340	5.306	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	221056	5.143	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	218337	5.199	ug/l	98
84) n-Butylbenzene	11.89	91	362714	5.250	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	203492	5.021	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	12421	5.215	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	135991	5.239	ug/l	99
88) Hexachlorobutadiene	13.69	225	81697	4.997	ug/l	99
89) Naphthalene	13.74	128	227597	5.486	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	127231	5.218	ug/l	96

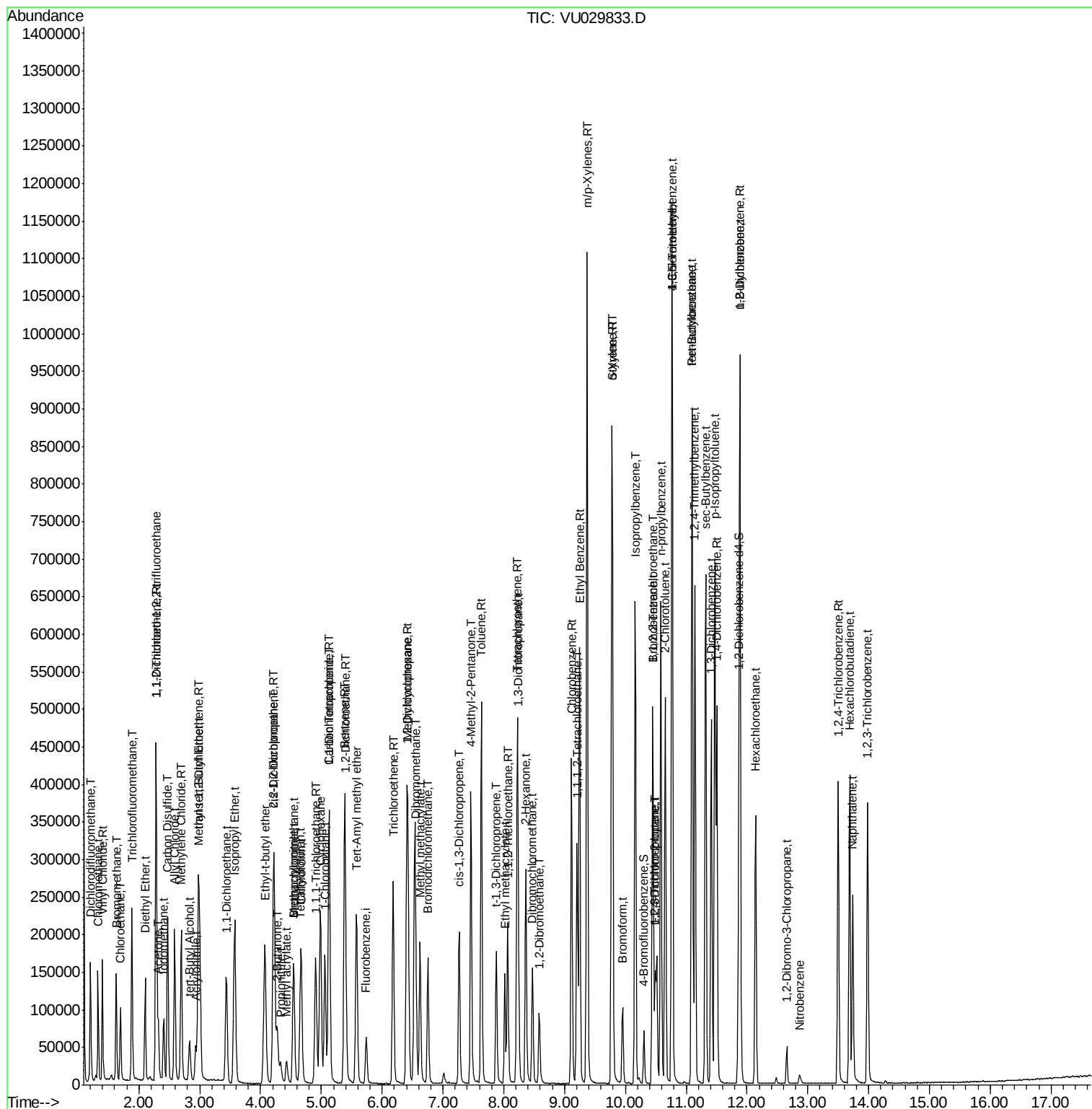
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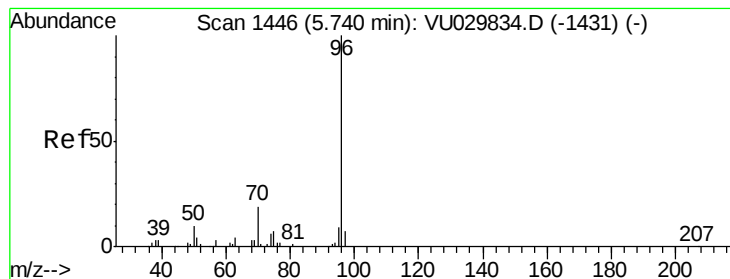
Data File : VU029833.D

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Acq On       : 06 Mar 2019   10:47
Operator     : JC/SP
Sample       : VSTDIC005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 5      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Mar 07 01:05:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 63747

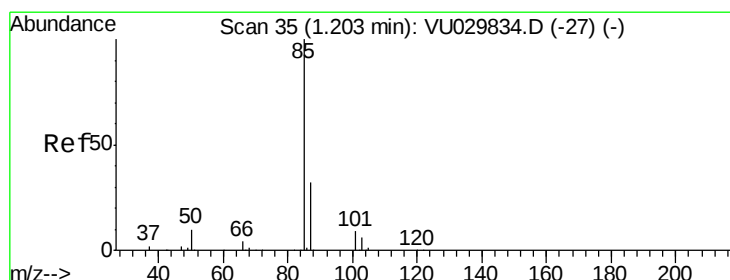
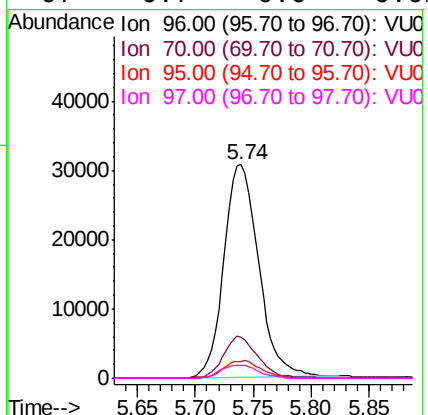
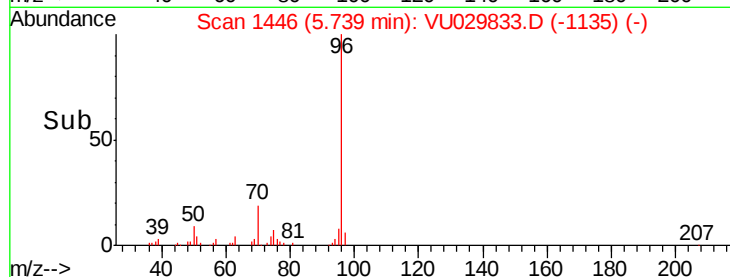
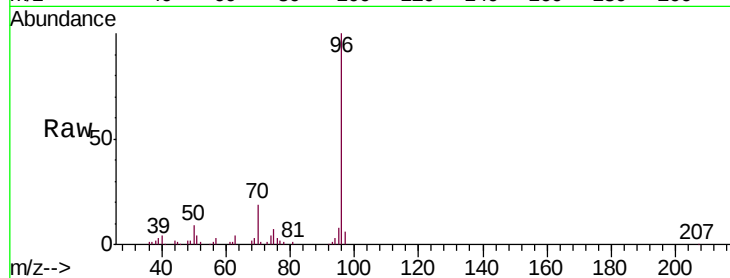
Ion Ratio Lower Upper

96 100

70 19.7 14.4 21.6

95 8.9 7.0 10.6

97 6.7 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 4.850 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029833.D

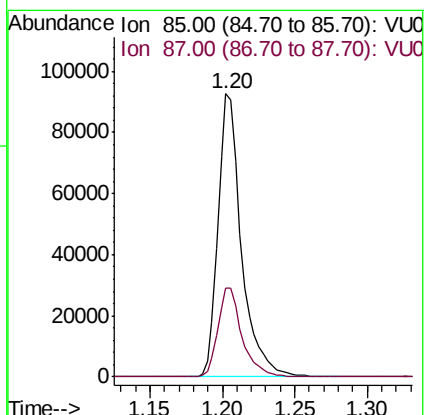
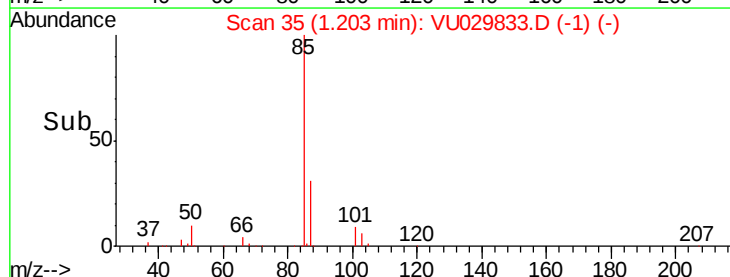
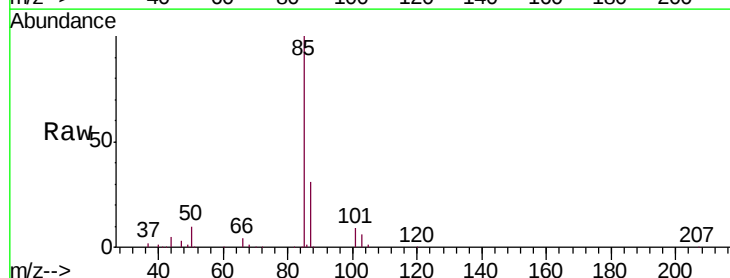
Acq: 06 Mar 2019 10:47

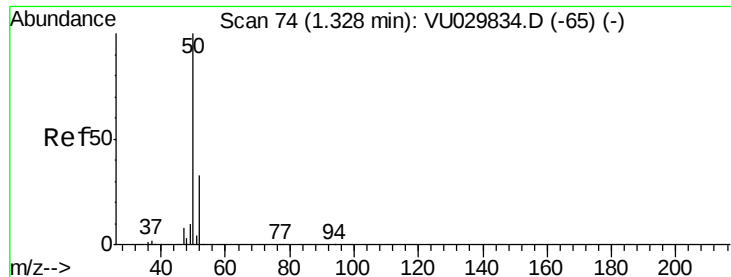
Tgt Ion: 85 Resp: 103451

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6





#3

Chloromethane

Concen: 4.916 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

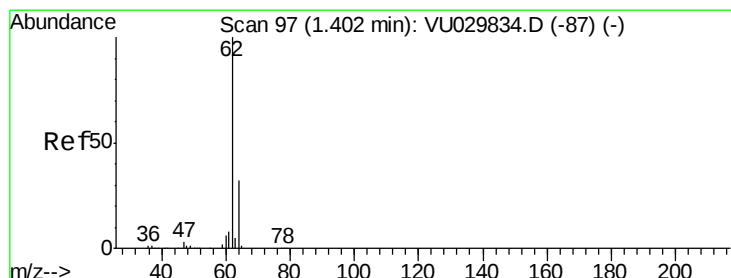
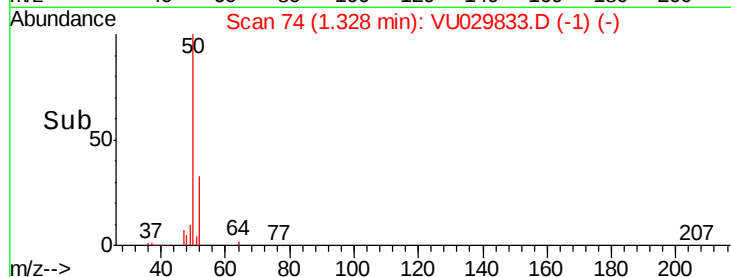
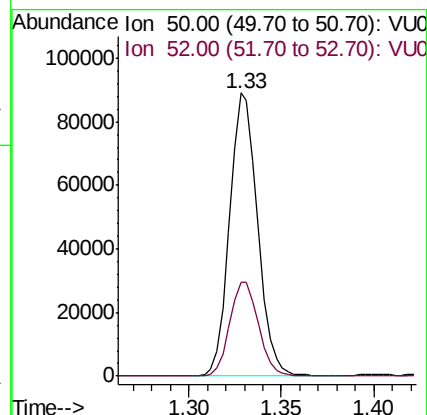
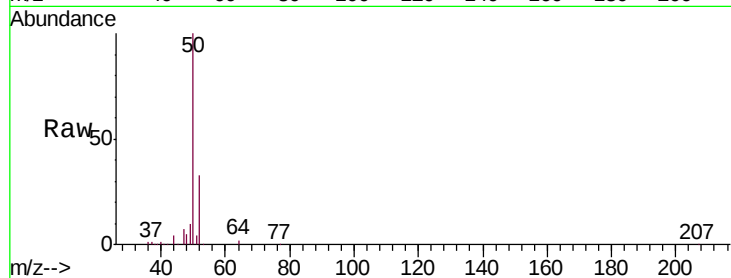
VSTDIC005

Tgt Ion: 50 Resp: 93369

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 4.954 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029833.D

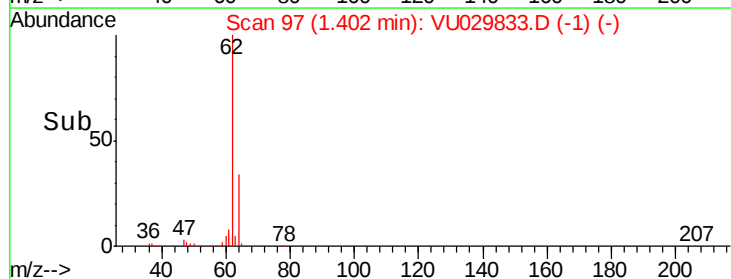
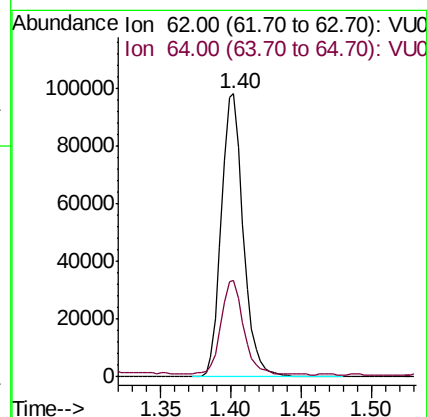
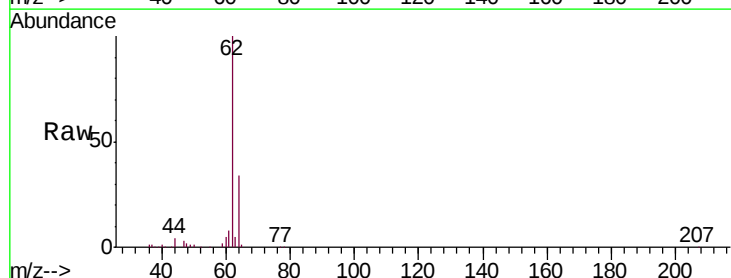
Acq: 06 Mar 2019 10:47

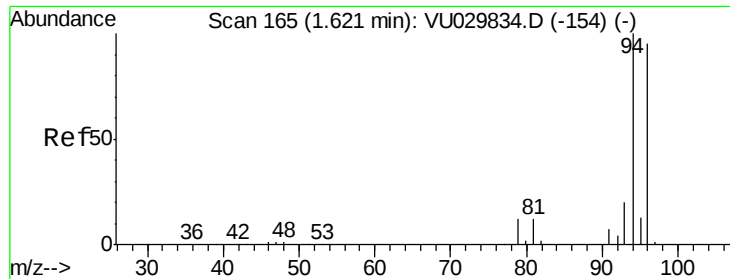
Tgt Ion: 62 Resp: 105852

Ion Ratio Lower Upper

62 100

64 33.3 25.7 38.5





#5

Bromomethane

Concen: 4.702 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

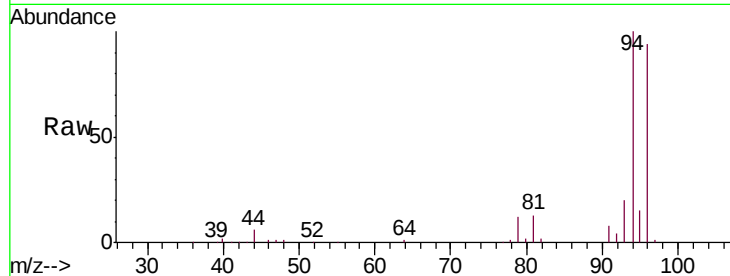
VSTDIC005

Tgt Ion: 94 Resp: 68617

Ion Ratio Lower Upper

94 100

96 93.6 76.4 114.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

20000

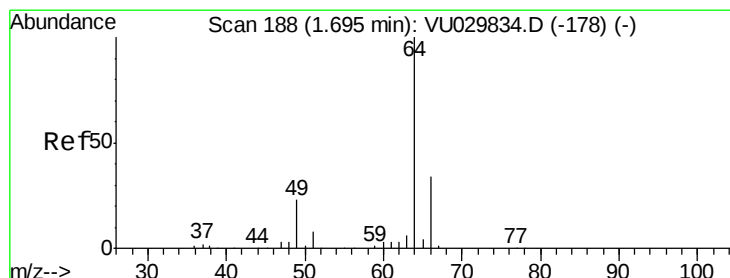
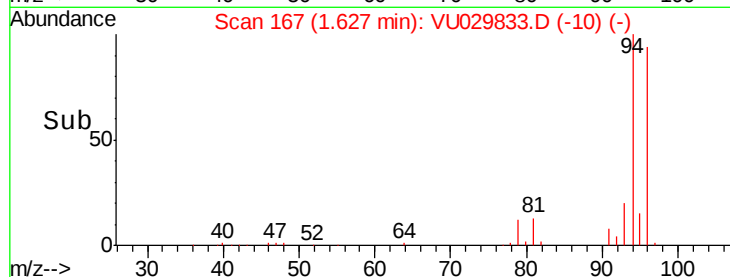
10000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.904 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029833.D

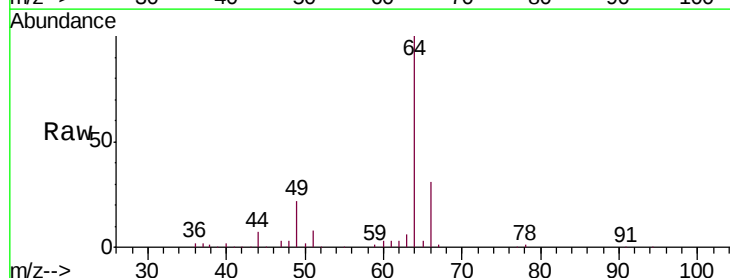
Acq: 06 Mar 2019 10:47

Tgt Ion: 64 Resp: 62829

Ion Ratio Lower Upper

64 100

66 31.8 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

50000

40000

30000

20000

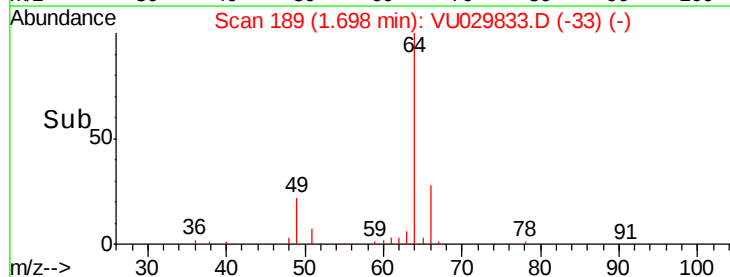
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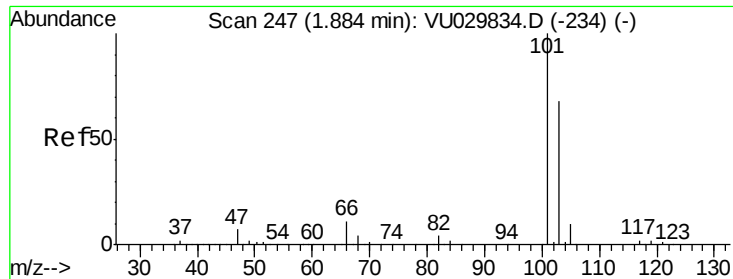
0

1.70

1.65 1.70 1.75

Time-->



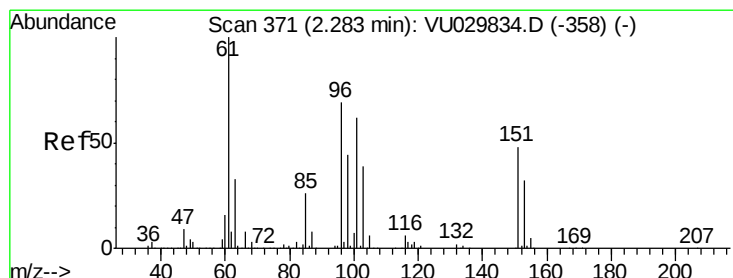
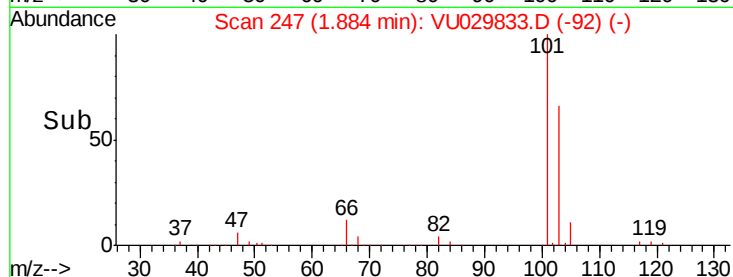
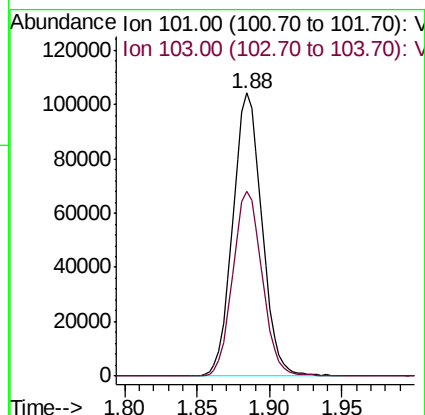
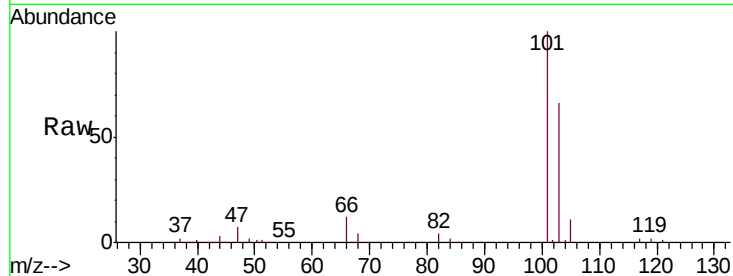


#7

Trichlorofluoromethane
Concen: 4.990 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

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VSTDIC005

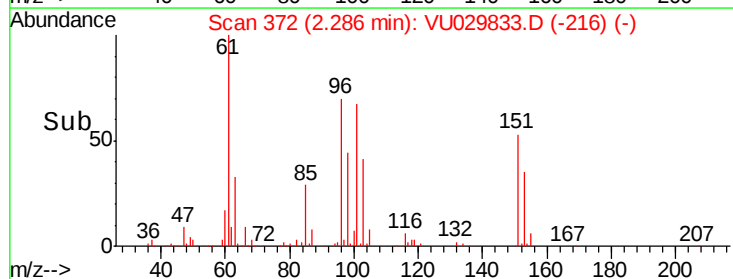
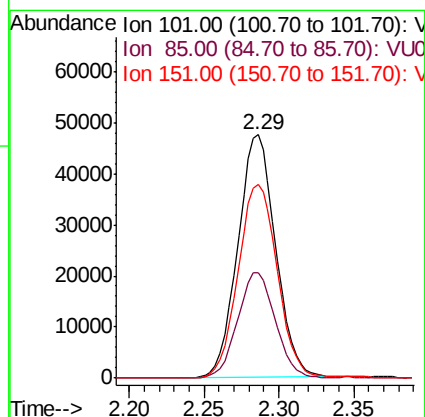
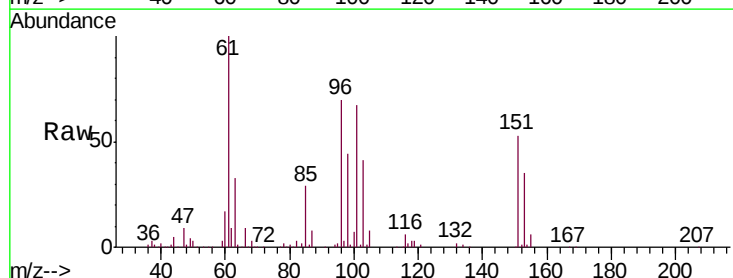
Tgt Ion:101 Resp: 145305
Ion Ratio Lower Upper
101 100
103 65.5 54.2 81.2

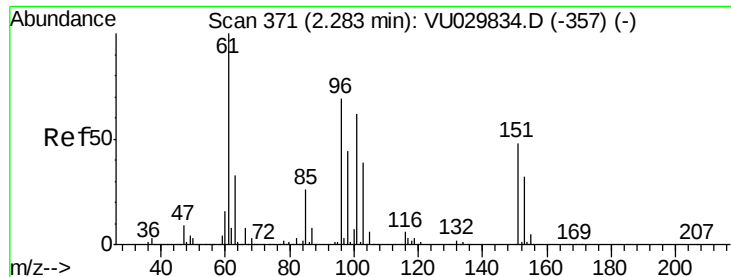


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.920 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:101 Resp: 83346
Ion Ratio Lower Upper
101 100
85 43.2 33.4 50.0
151 81.9 64.6 97.0





#9

1,1-Dichloroethene

Concen: 4.918 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

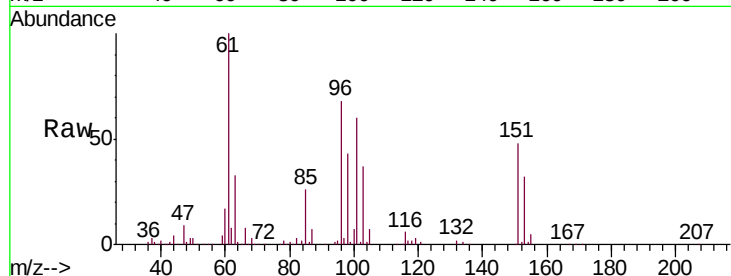
Tgt Ion: 96 Resp: 81545

Ion Ratio Lower Upper

96 100

61 146.2 0.0 435.3

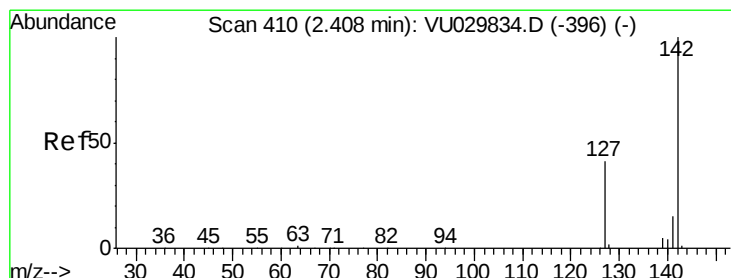
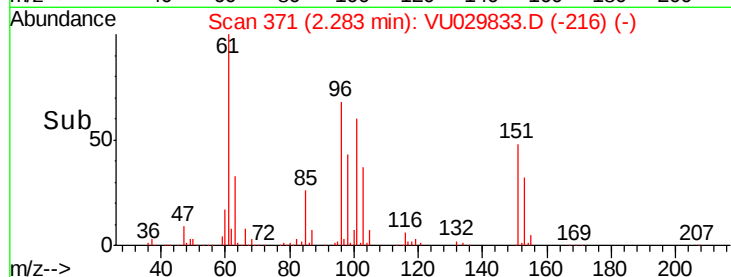
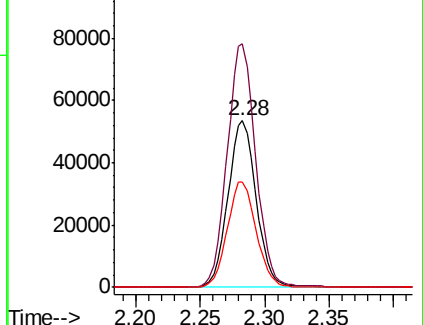
98 63.6 0.0 128.6



Abundance Ion 96.00 (95.70 to 96.70): VU029833.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU029833.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU029833.D (-216) (-)



#10

Iodomethane

Concen: 5.549 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU029833.D

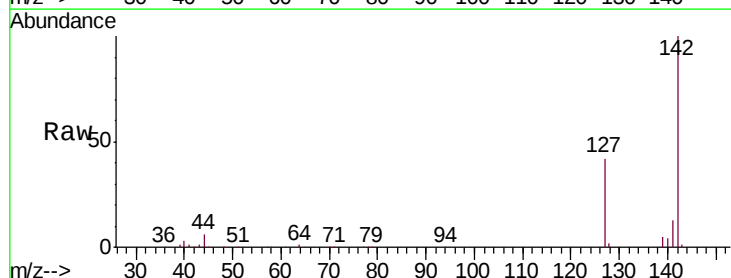
Acq: 06 Mar 2019 10:47

Tgt Ion: 142 Resp: 79764

Ion Ratio Lower Upper

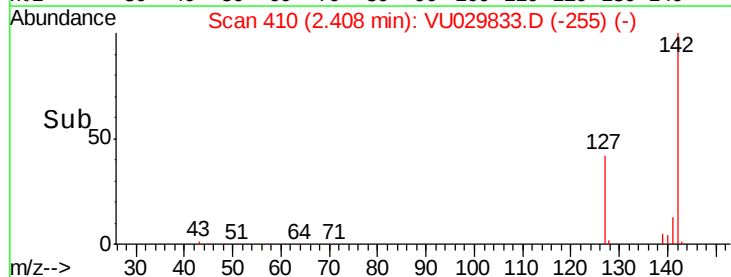
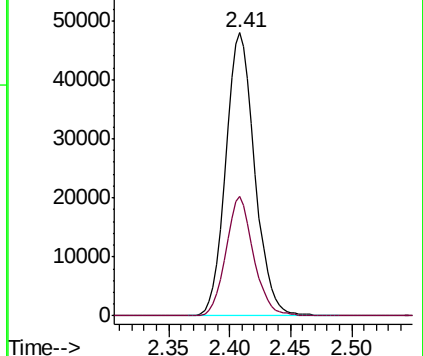
142 100

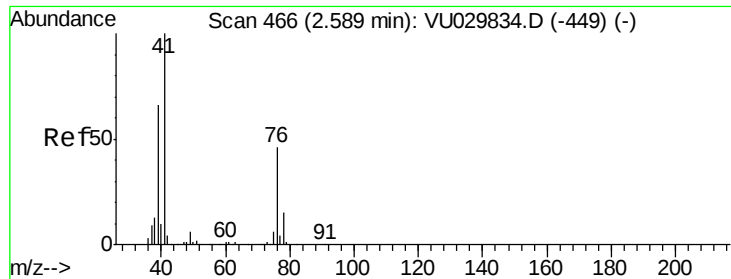
127 40.1 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): VU029833.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU029833.D (-255) (-)

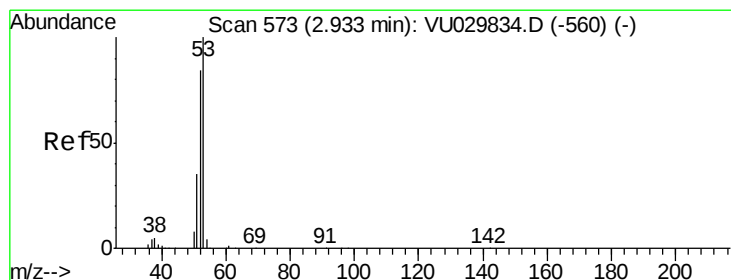
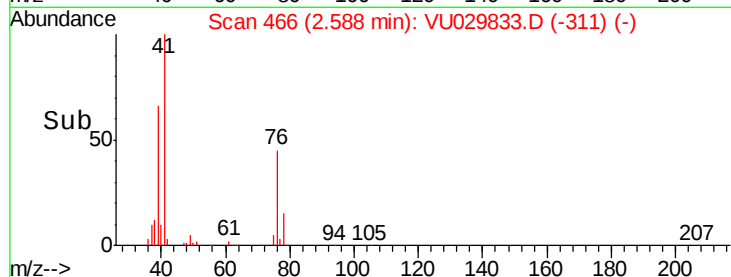
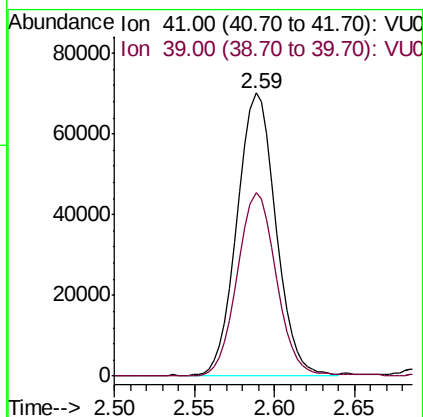
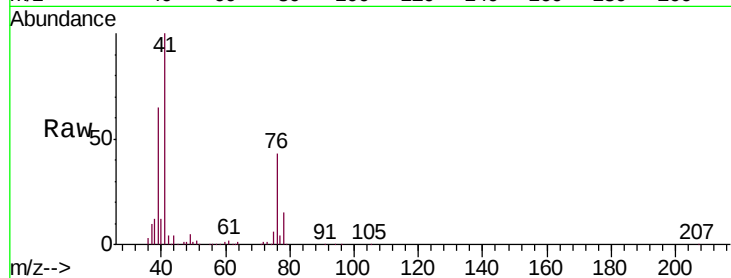




#11
 Allyl Chloride
 Concen: 4.936 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

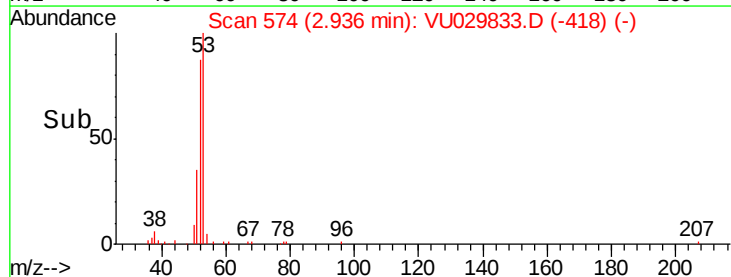
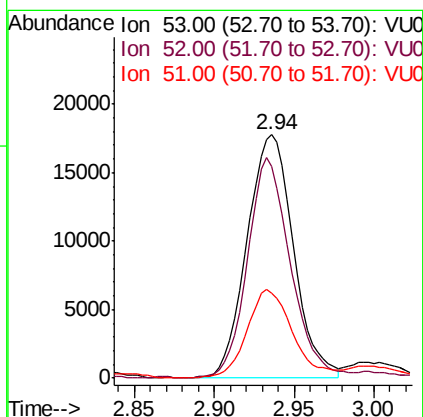
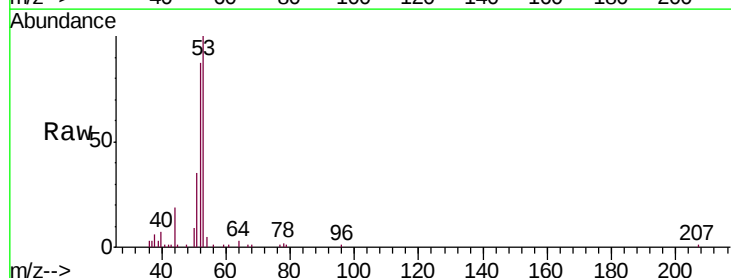
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

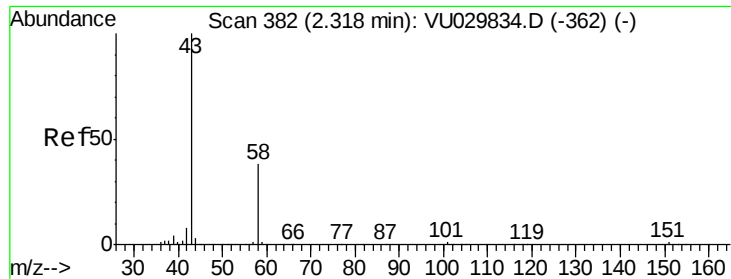
Tgt Ion: 41 Resp: 115045
 Ion Ratio Lower Upper
 41 100
 39 65.4 51.6 77.4



#12
 Acrylonitrile
 Concen: 9.805 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 53 Resp: 35450
 Ion Ratio Lower Upper
 53 100
 52 83.9 66.5 99.7
 51 36.3 28.6 42.8





#13

Acetone

Concen: 24.493 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

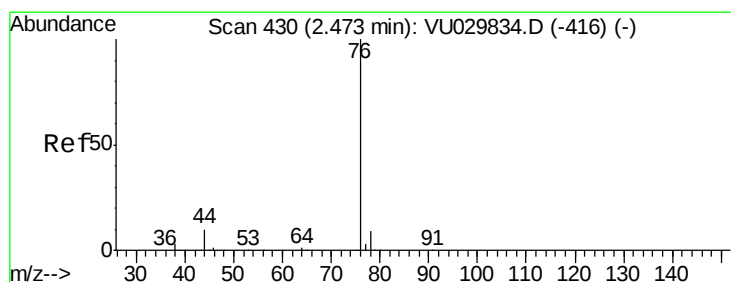
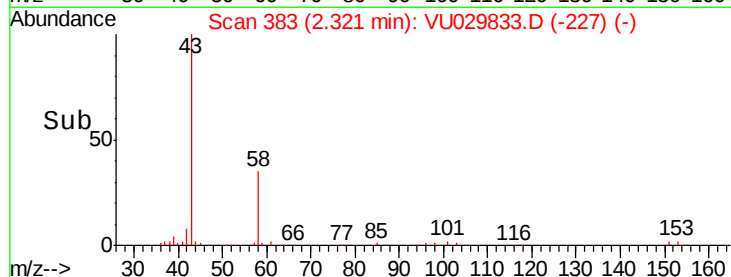
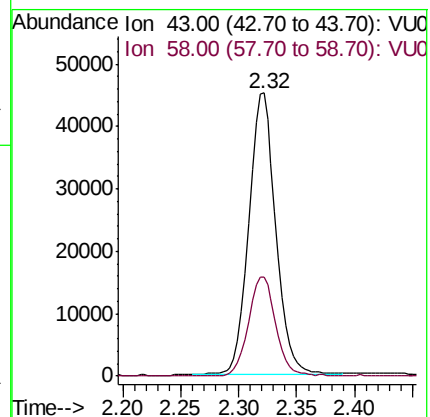
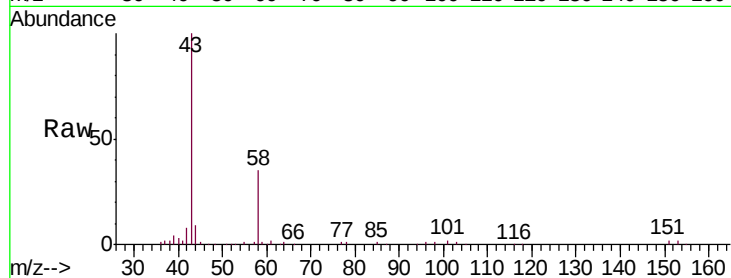
VSTDIC005

Tgt Ion: 43 Resp: 73342

Ion Ratio Lower Upper

43 100

58 35.2 30.2 45.2



#14

Carbon Disulfide

Concen: 4.935 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029833.D

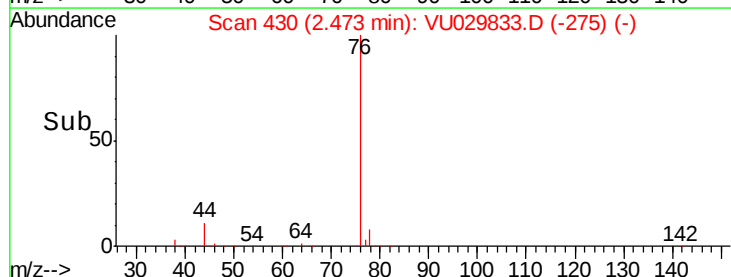
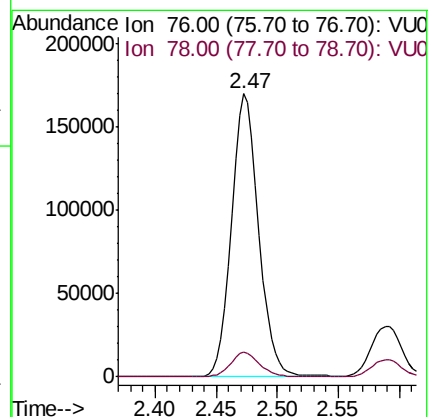
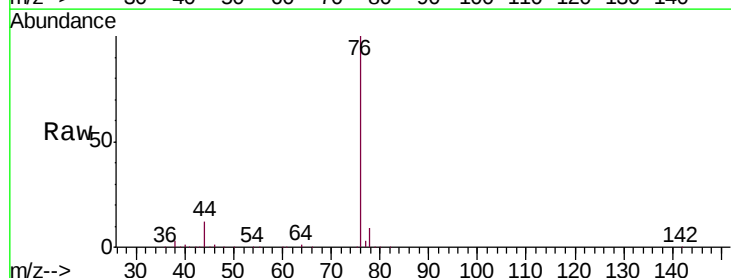
Acq: 06 Mar 2019 10:47

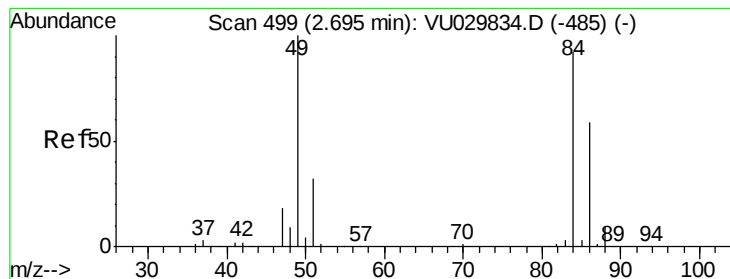
Tgt Ion: 76 Resp: 265010

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8





#15

Methylene Chloride

Concen: 4.736 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 84 Resp: 94227

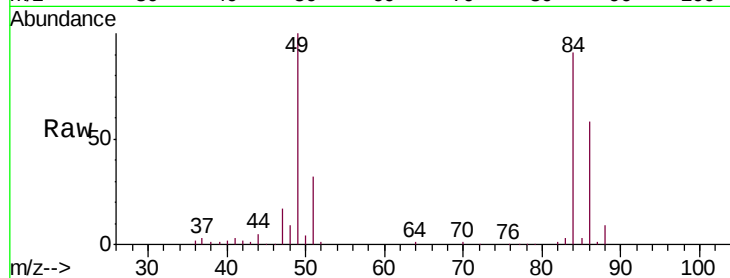
Ion Ratio Lower Upper

84 100

49 109.3 87.2 130.8

51 35.1 0.0 69.0

86 63.8 51.3 76.9



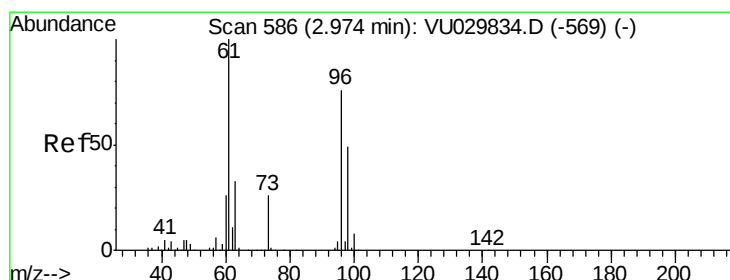
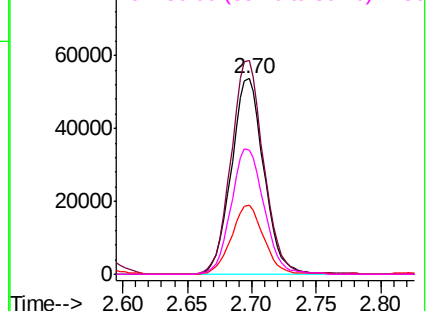
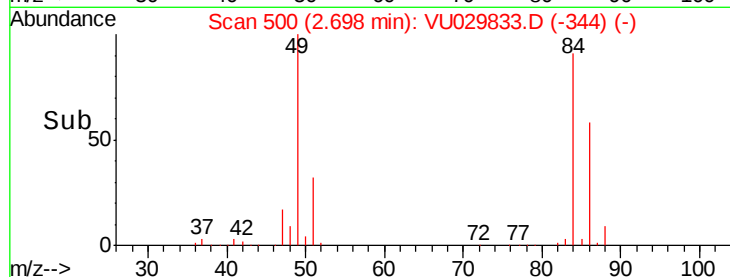
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 4.900 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

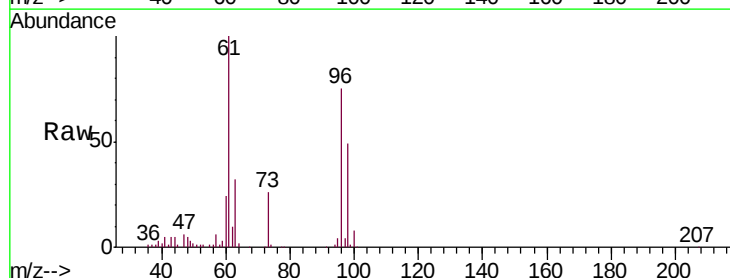
Tgt Ion: 96 Resp: 91777

Ion Ratio Lower Upper

96 100

61 133.3 104.7 157.1

98 64.7 50.9 76.3

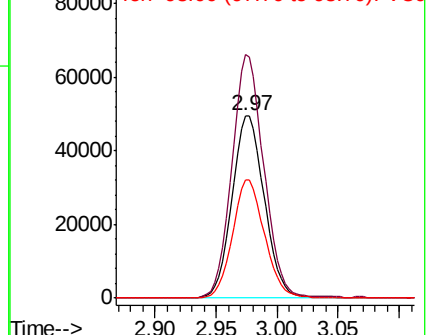
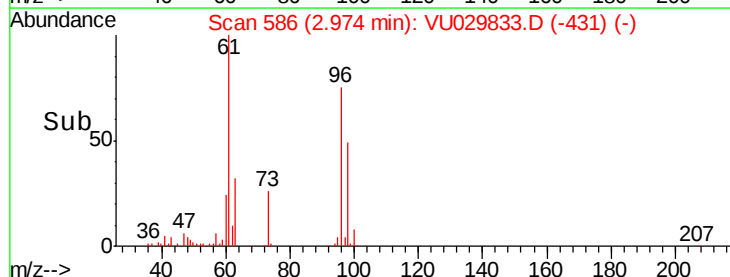


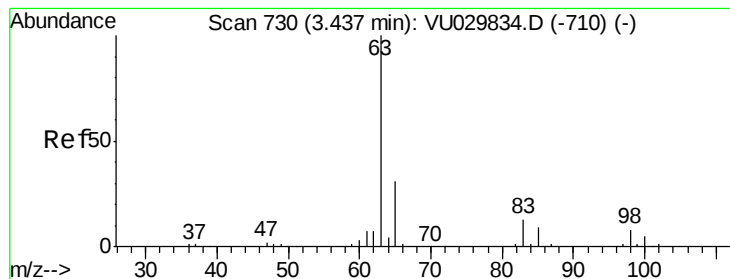
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 4.981 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

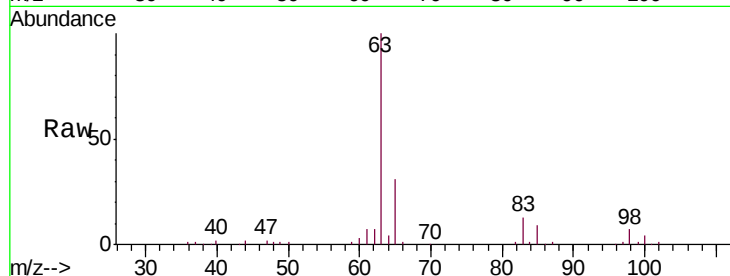
Tgt Ion: 63 Resp: 156118

Ion Ratio Lower Upper

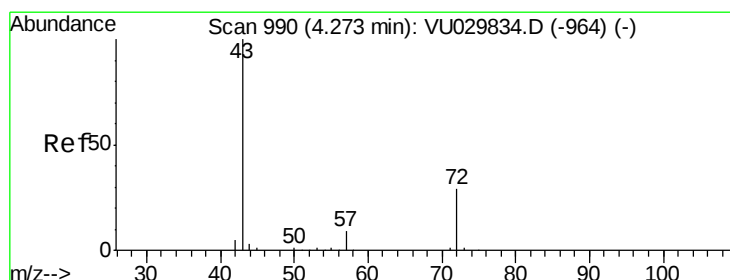
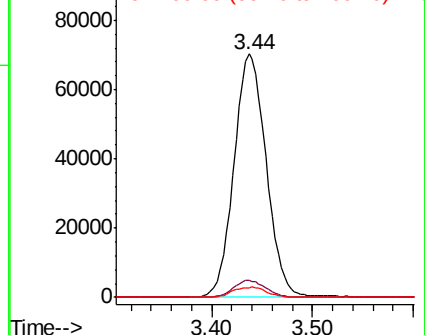
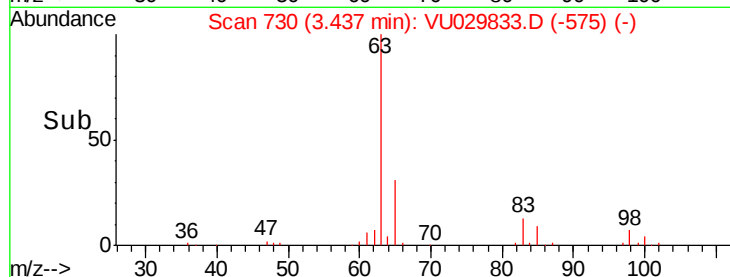
63 100

98 7.1 3.8 11.4

100 4.0 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU029833.D (-575) (-)



#18

2-Butanone

Concen: 25.230 ug/l

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU029833.D

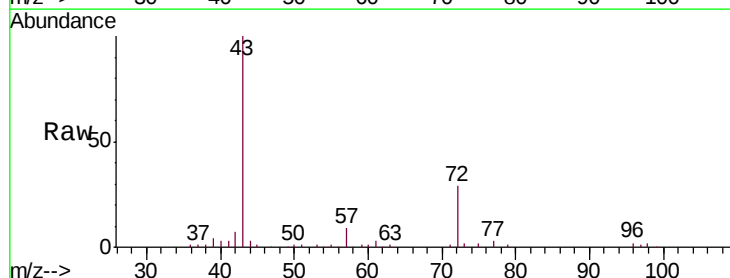
Acq: 06 Mar 2019 10:47

Tgt Ion: 43 Resp: 102672

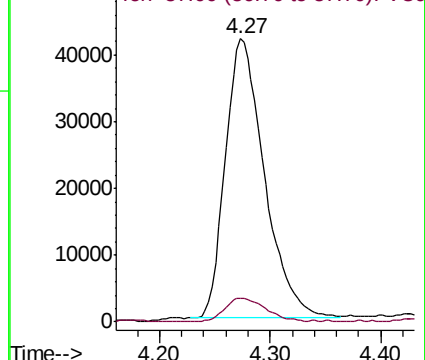
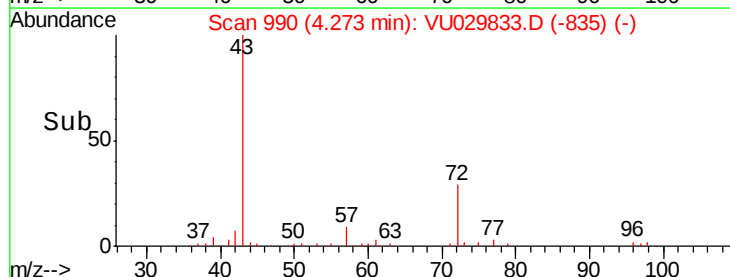
Ion Ratio Lower Upper

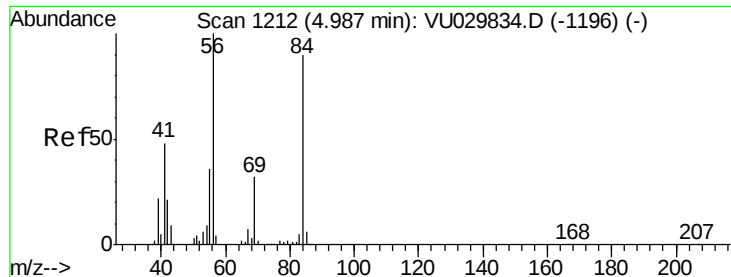
43 100

57 8.7 0.0 18.6



Abundance Ion 43.00 (42.70 to 43.70): VU029833.D (-835) (-)

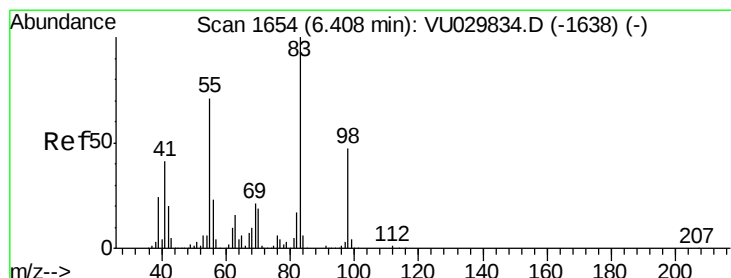
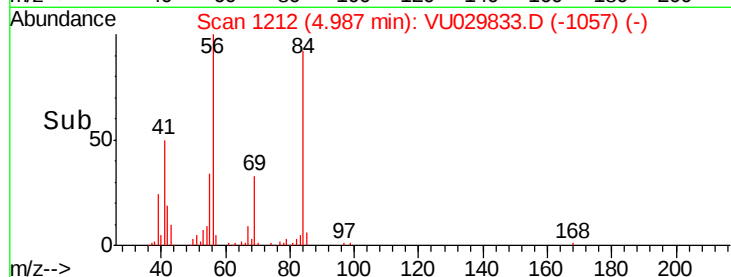
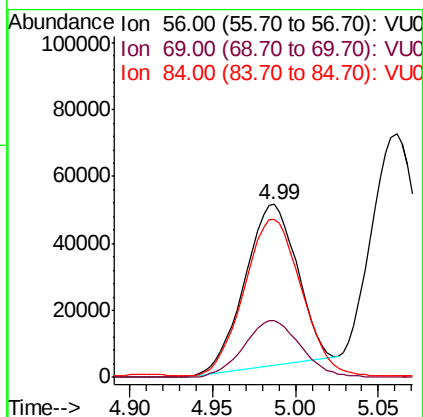
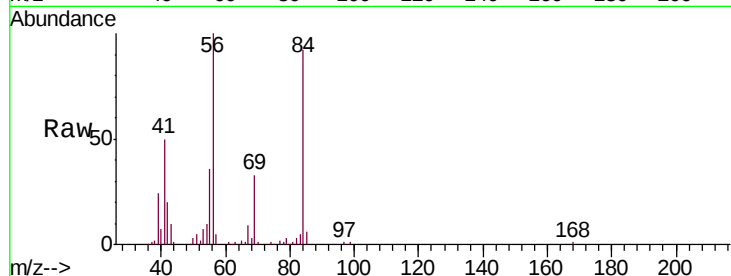




#19
Cyclohexane
Concen: 4.436 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

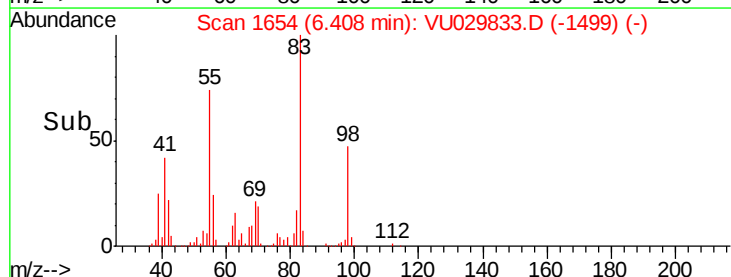
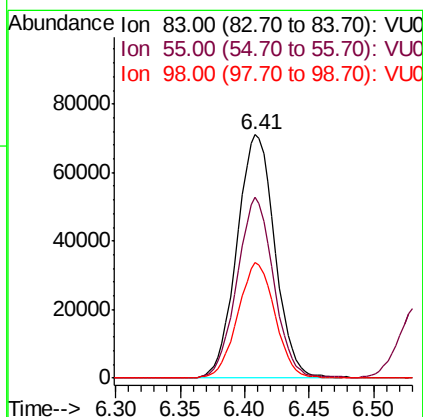
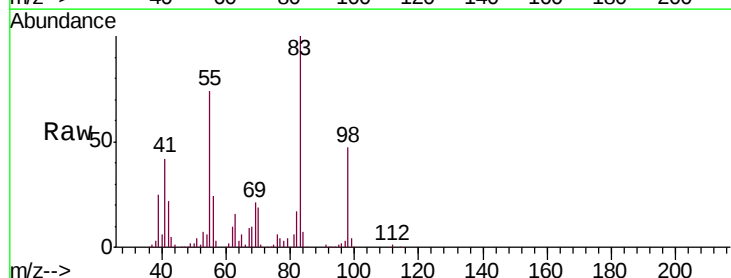
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

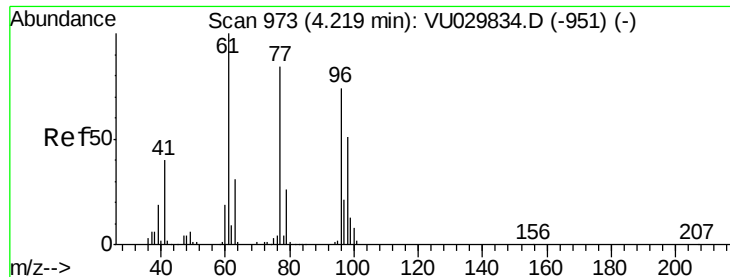
Tgt Ion: 56 Resp: 105475
Ion Ratio Lower Upper
56 100
69 38.2 29.4 44.2
84 107.0 84.6 127.0



#20
Methylcyclohexane
Concen: 5.092 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 83 Resp: 144304
Ion Ratio Lower Upper
83 100
55 71.8 55.9 83.9
98 47.0 37.0 55.4





#21

2,2-Dichloropropane

Concen: 5.060 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampled :

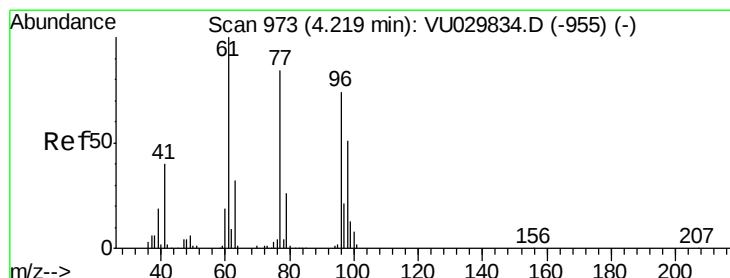
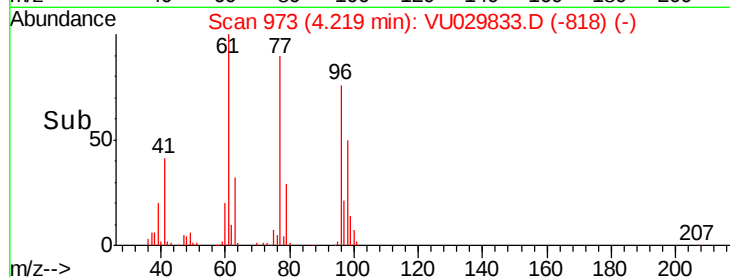
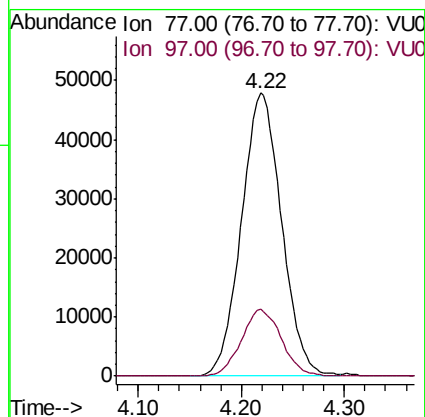
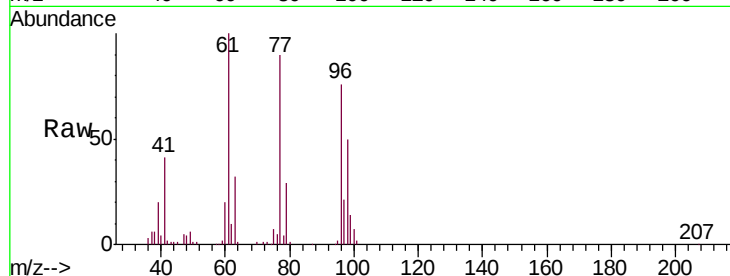
VSTDIC005

Tgt Ion: 77 Resp: 129621

Ion Ratio Lower Upper

77 100

97 23.4 20.2 30.2



#22

cis-1,2-Dichloroethene

Concen: 5.037 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

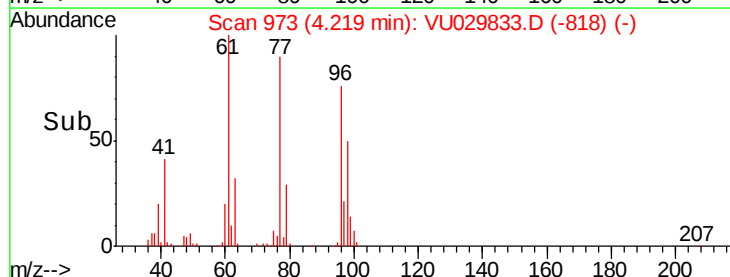
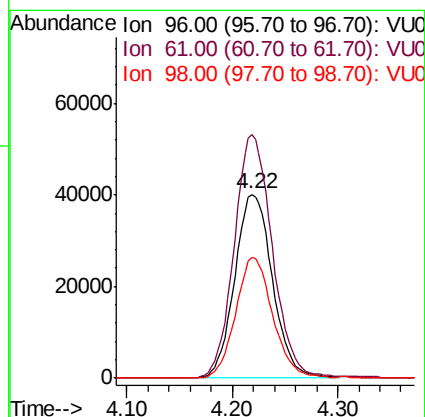
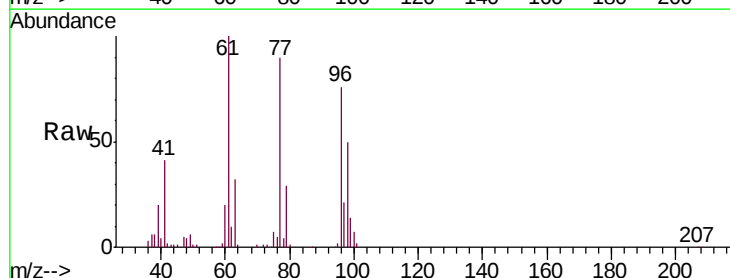
Tgt Ion: 96 Resp: 99998

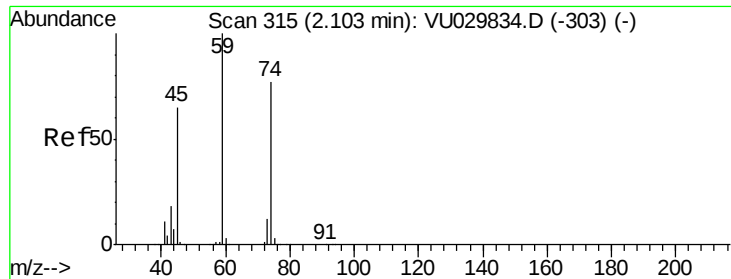
Ion Ratio Lower Upper

96 100

61 133.9 0.0 339.0

98 64.3 33.1 99.5

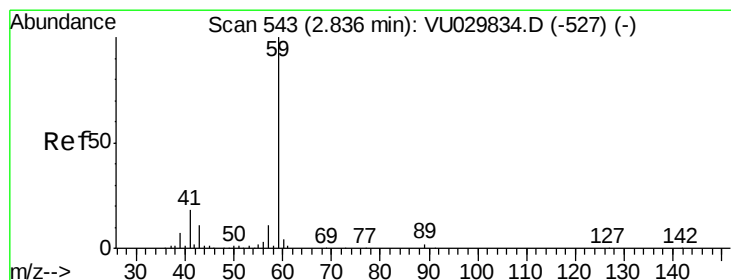
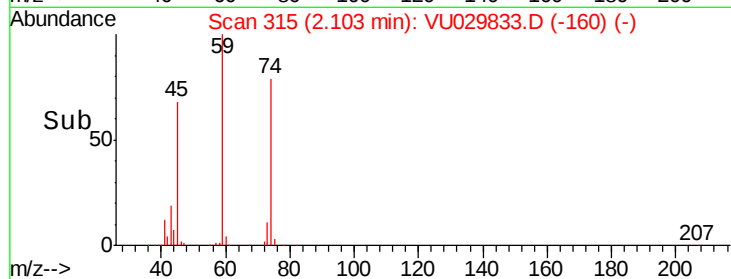
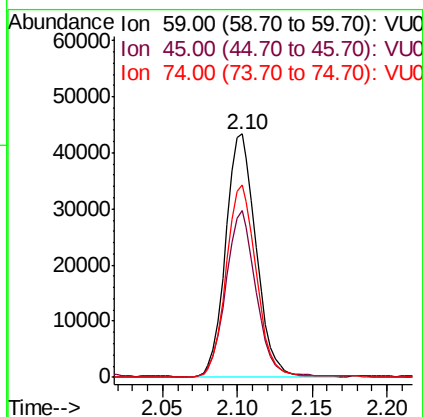
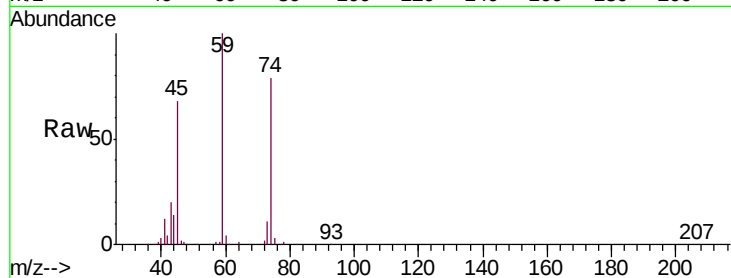




#23
Diethyl Ether
Concen: 4.962 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

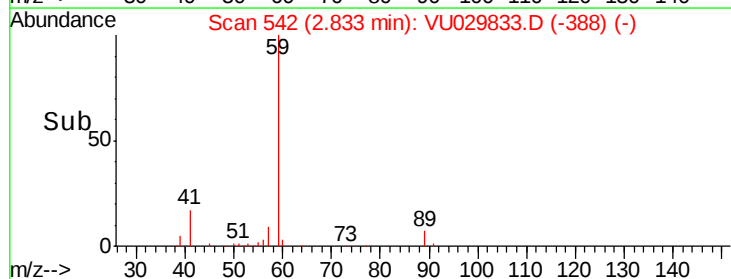
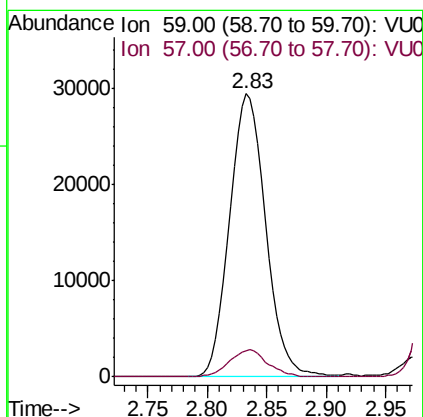
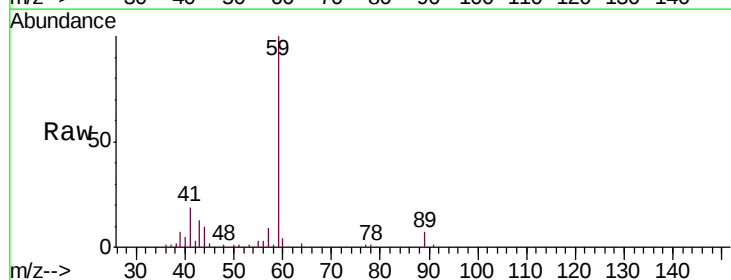
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

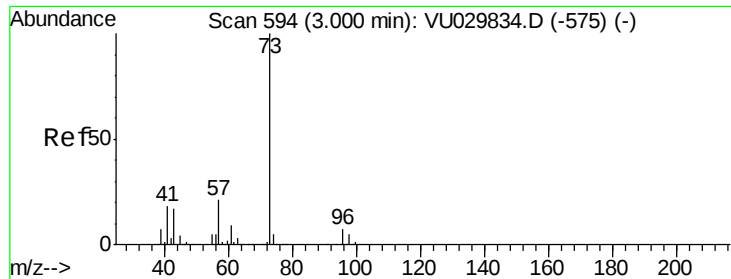
Tgt Ion: 59 Resp: 61688
Ion Ratio Lower Upper
59 100
45 67.2 52.7 79.1
74 77.9 61.8 92.6



#24
tert-Butyl Alcohol
Concen: 48.431 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 59 Resp: 62105
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7





#25

Methyl tert-Butyl Ether

Concen: 5.013 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

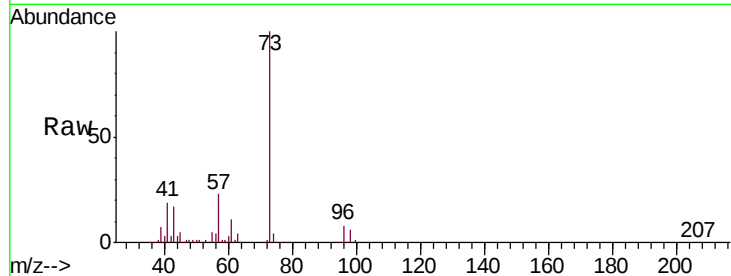
VSTDIC005

Tgt Ion: 73 Resp: 209318

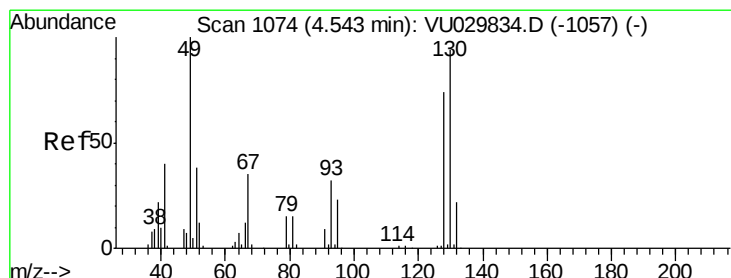
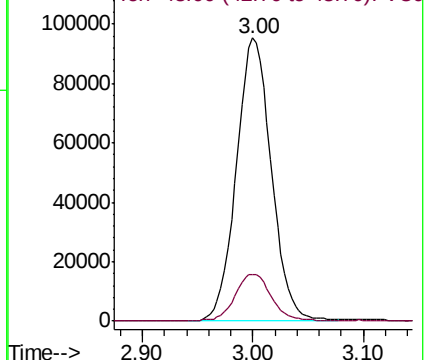
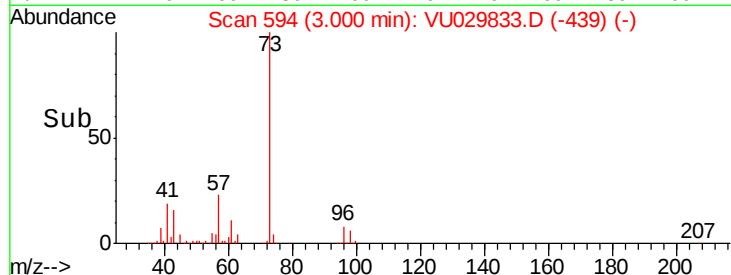
Ion Ratio Lower Upper

73 100

43 16.9 13.1 19.7



Abundance Ion 73.00 (72.70 to 73.70): VU029833.D (-439) (-)



#26

Bromochloromethane

Concen: 5.230 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

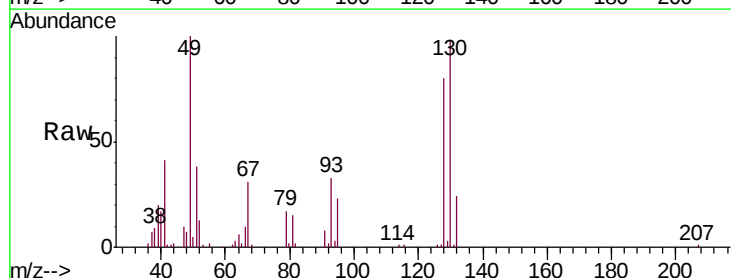
Tgt Ion: 128 Resp: 46089

Ion Ratio Lower Upper

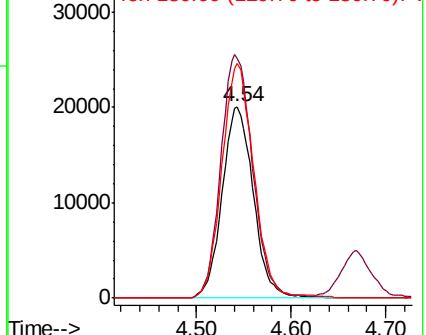
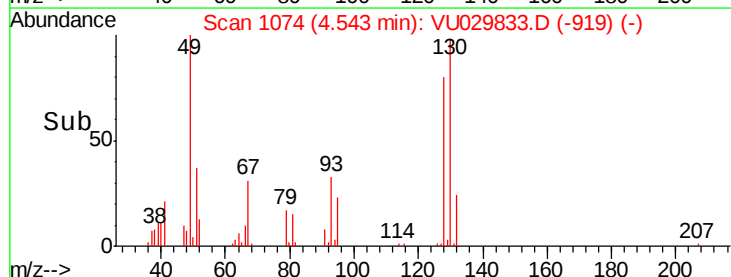
128 100

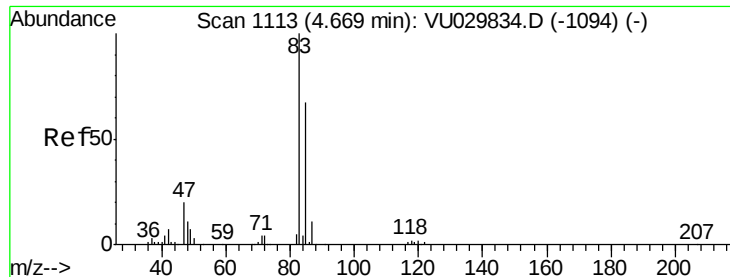
49 129.6 0.0 270.6

130 123.7 104.2 156.4



Abundance Ion 128.00 (127.70 to 128.70): VU029833.D (-919) (-)

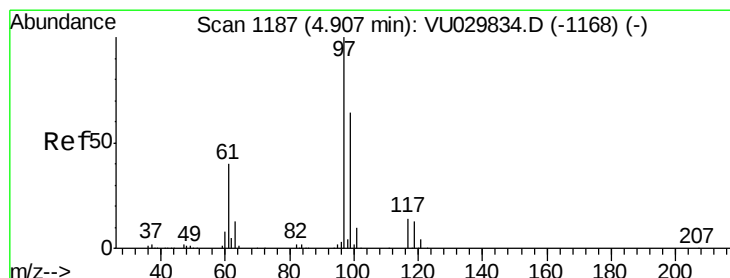
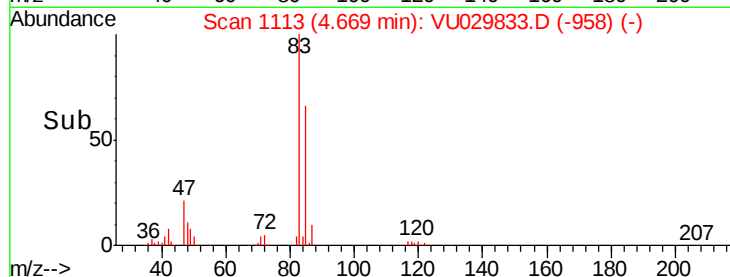
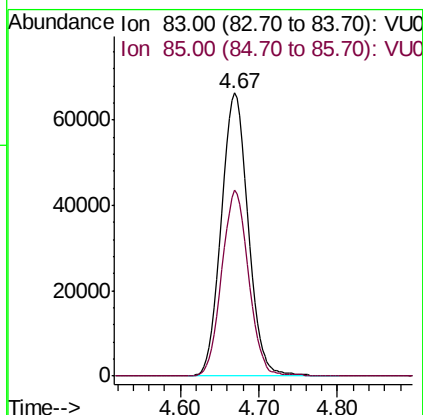
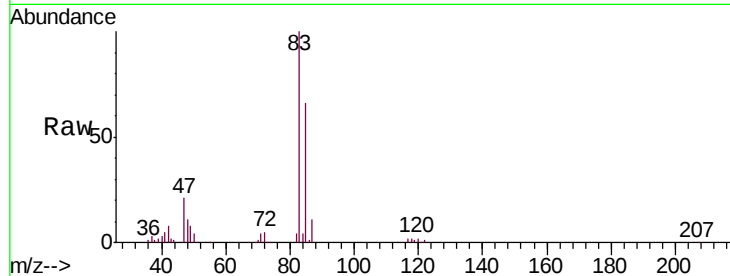




#27
Chloroform
Concen: 4.935 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

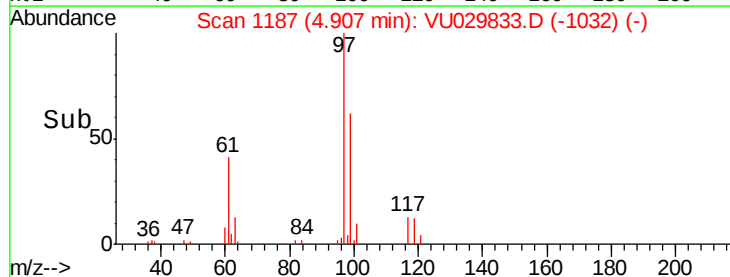
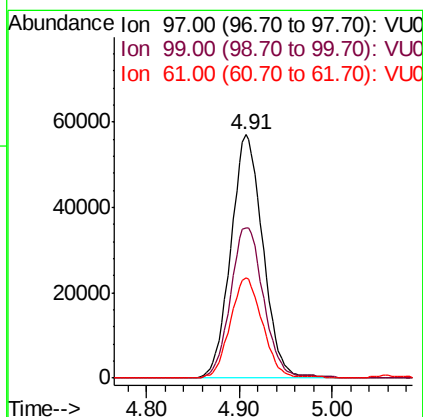
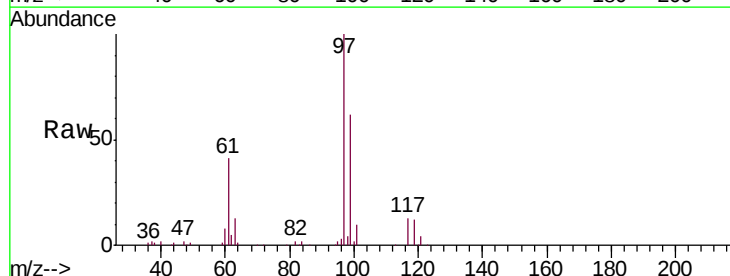
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

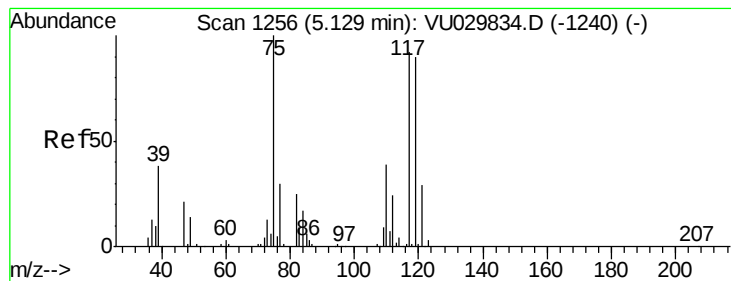
Tgt Ion: 83 Resp: 156614
Ion Ratio Lower Upper
83 100
85 65.6 0.0 133.2



#28
1,1,1-Trichloroethane
Concen: 5.074 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 97 Resp: 136538
Ion Ratio Lower Upper
97 100
99 64.4 31.9 95.9
61 41.2 20.4 61.3





#29

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

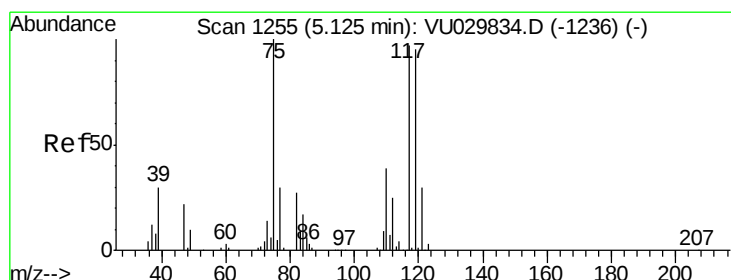
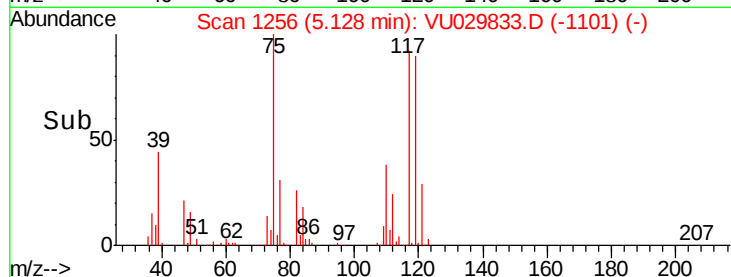
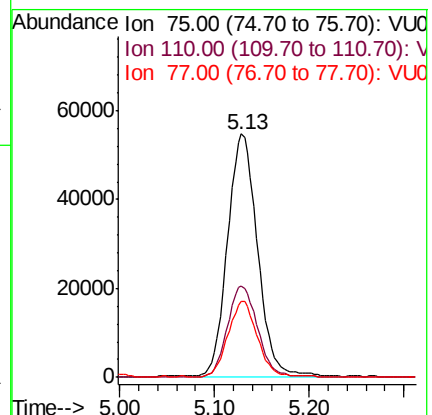
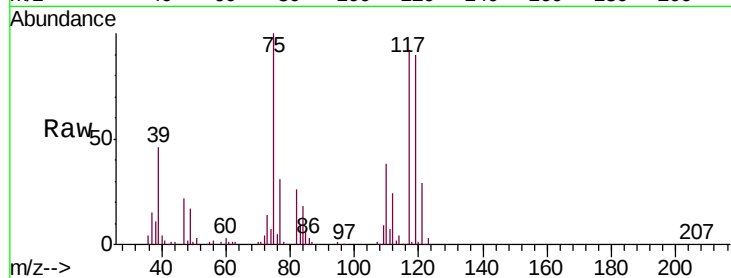
Tgt Ion: 75 Resp: 119985

Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.5

77 30.4 23.9 35.9



#30

Carbon Tetrachloride

Concen: 5.128 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

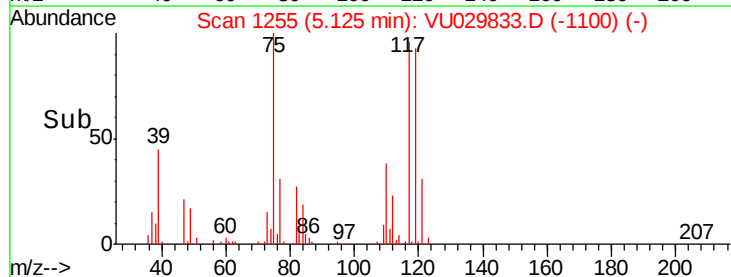
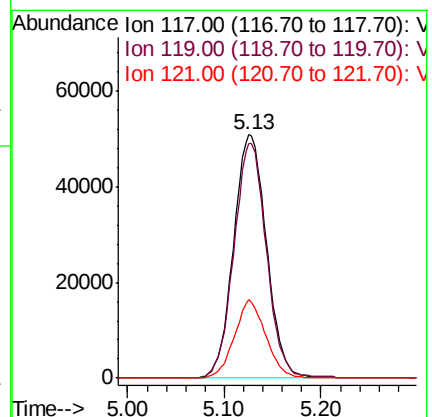
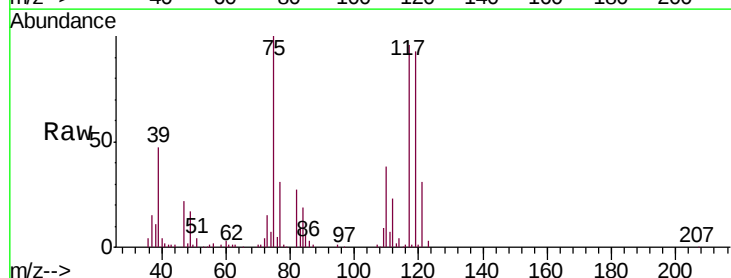
Tgt Ion: 117 Resp: 120377

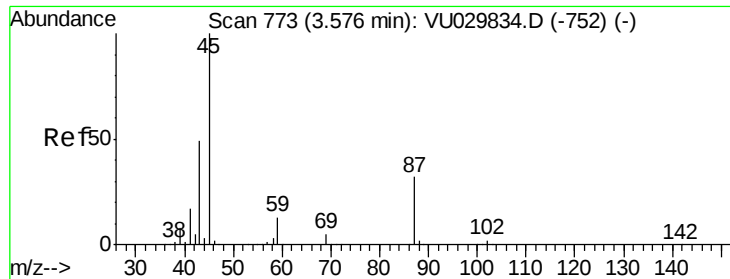
Ion Ratio Lower Upper

117 100

119 96.5 78.4 117.6

121 32.0 25.0 37.4





#31

Isopropyl Ether

Concen: 4.975 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

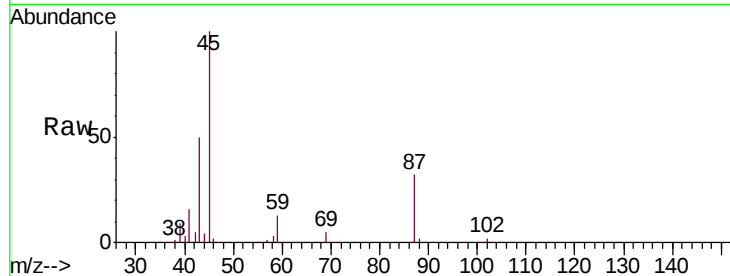
VSTDIC005

Tgt Ion: 45 Resp: 215024

Ion Ratio Lower Upper

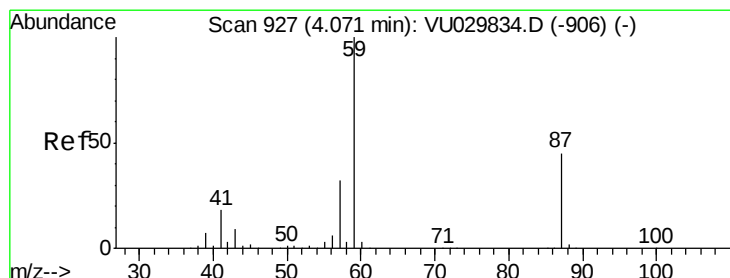
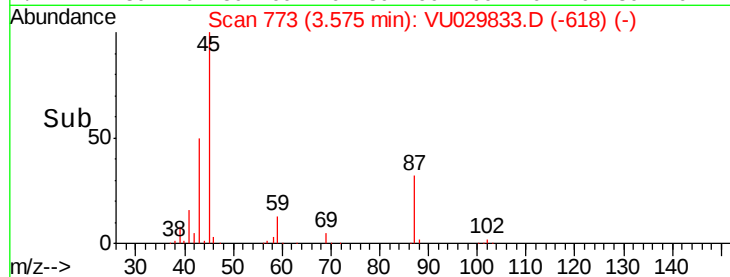
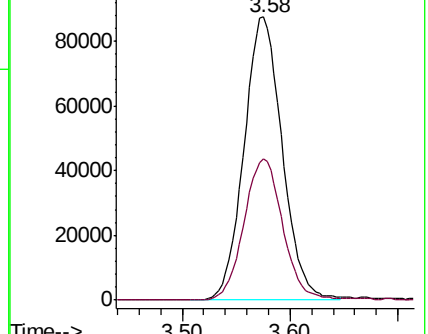
45 100

43 50.7 24.3 72.9



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 5.009 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029833.D

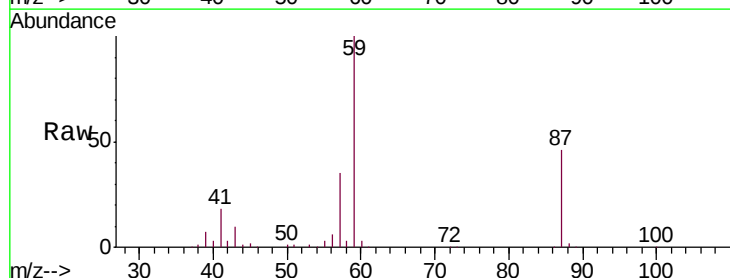
Acq: 06 Mar 2019 10:47

Tgt Ion: 59 Resp: 210463

Ion Ratio Lower Upper

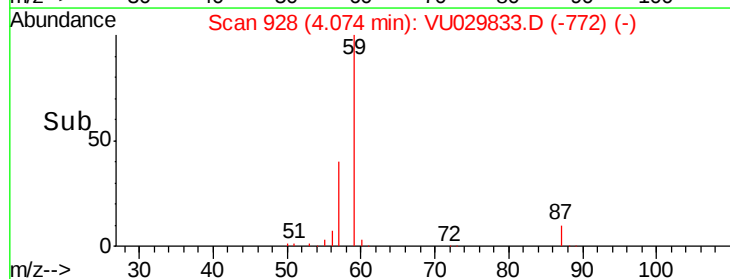
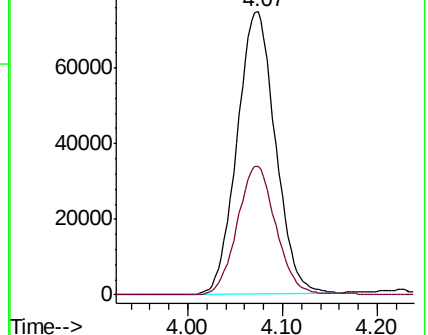
59 100

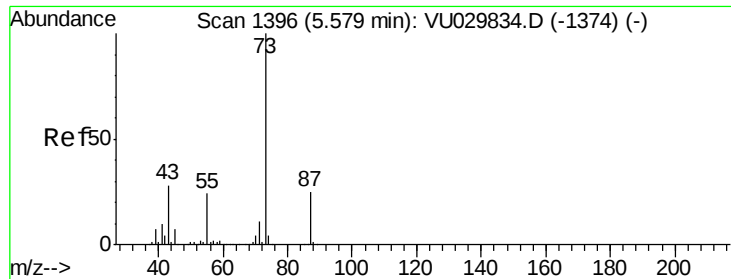
87 45.5 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

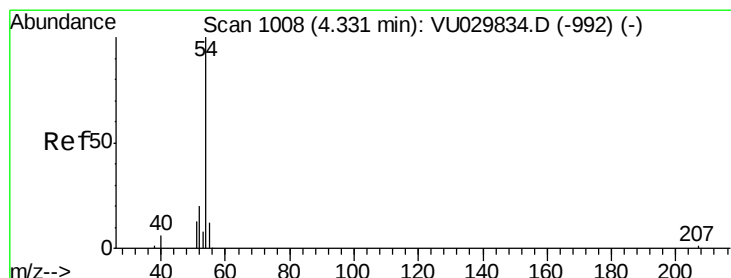
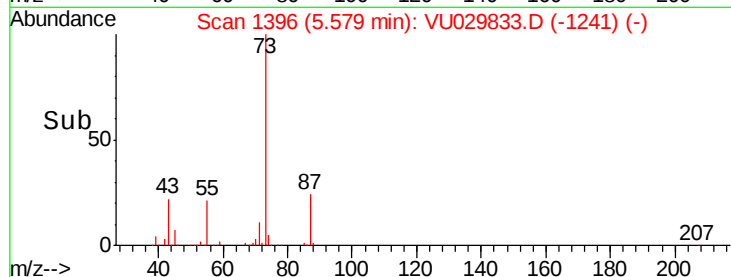
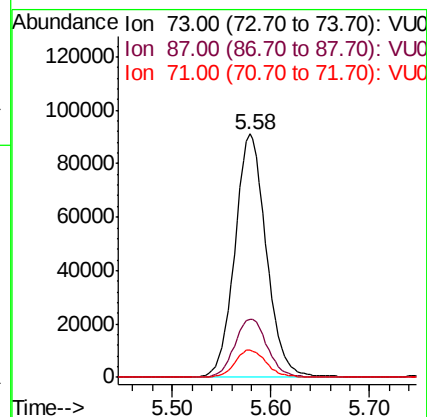
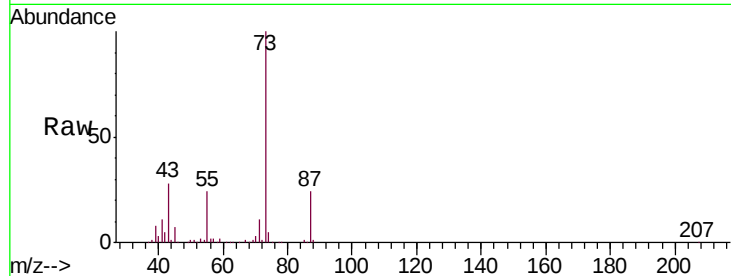




#33
Tert-Amyl methyl ether
Concen: 5.159 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

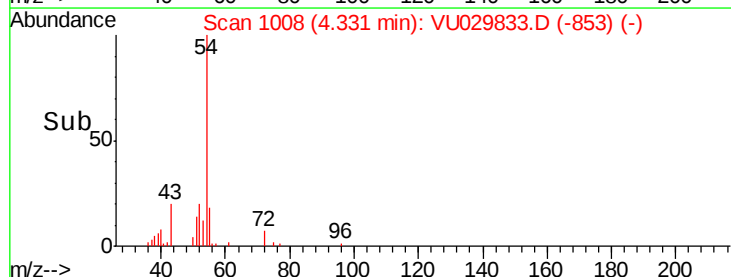
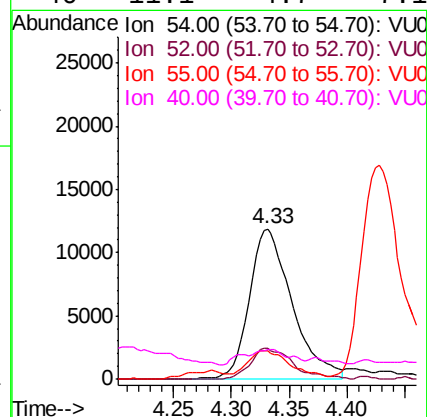
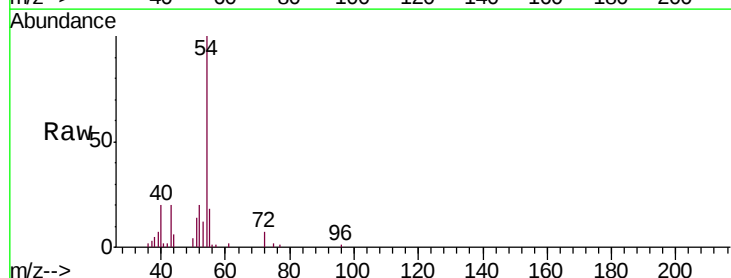
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

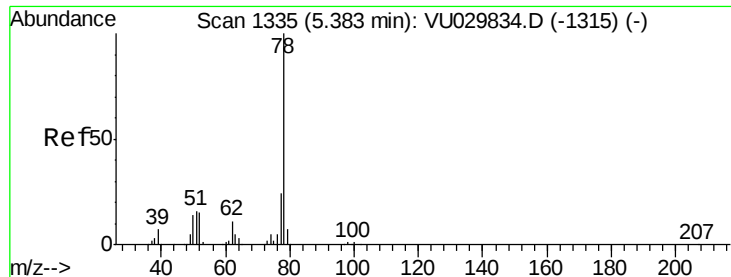
Tgt Ion: 73 Resp: 200440
Ion Ratio Lower Upper
73 100
87 24.8 19.7 29.5
71 11.3 9.4 14.2



#34
Propionitrile
Concen: 25.205 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 54 Resp: 30511
Ion Ratio Lower Upper
54 100
52 20.2 16.1 24.1
55 15.7 11.2 16.8
40 11.1 4.7 7.1#





#35

Benzene

Concen: 5.070 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

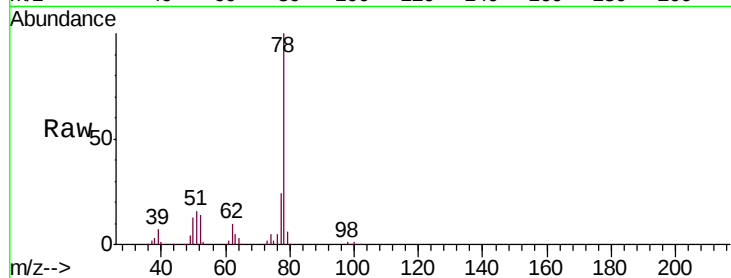
VSTDIC005

Tgt Ion: 78 Resp: 357113

Ion Ratio Lower Upper

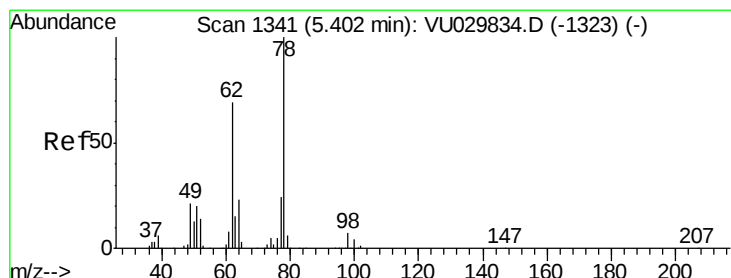
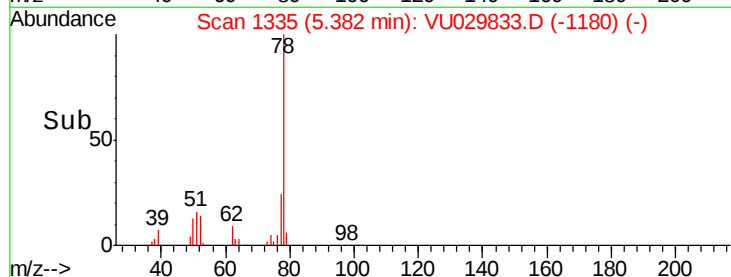
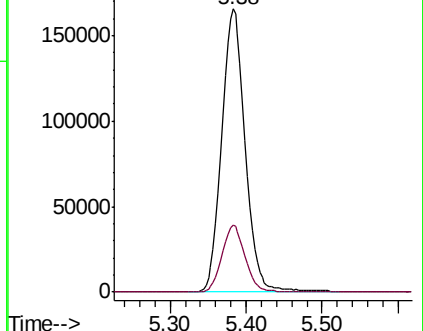
78 100

77 23.7 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 4.927 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029833.D

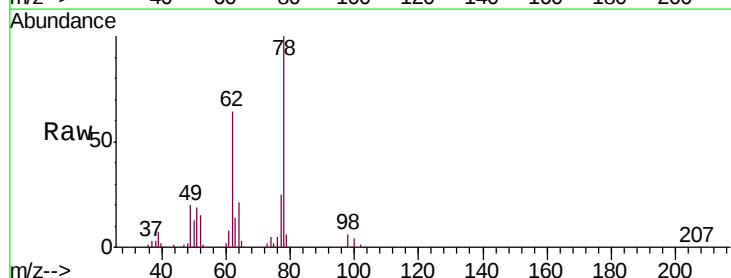
Acq: 06 Mar 2019 10:47

Tgt Ion: 62 Resp: 94781

Ion Ratio Lower Upper

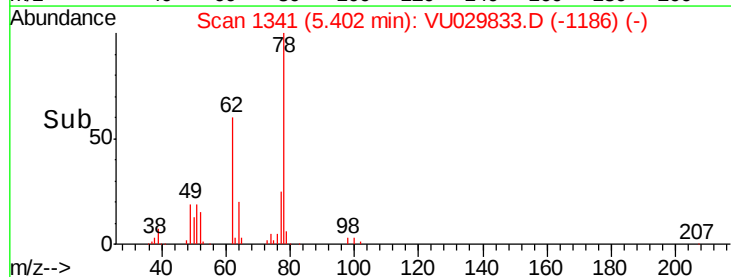
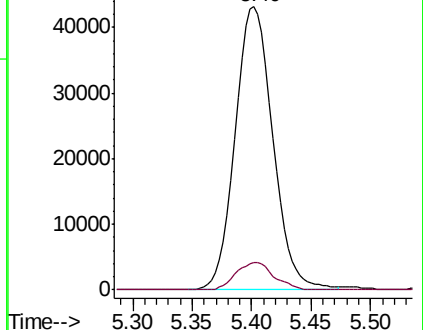
62 100

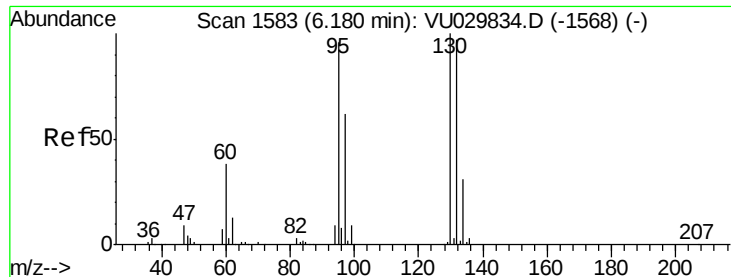
98 9.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 4.953 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

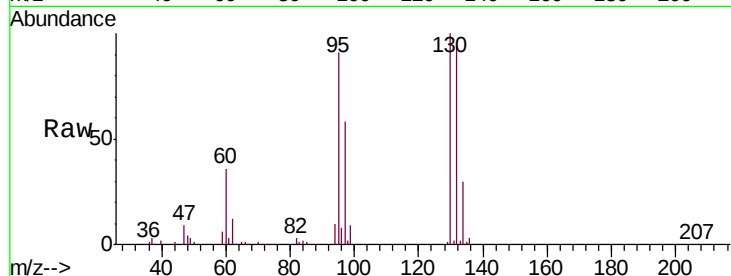
VSTDIC005

Tgt Ion:130 Resp: 101865

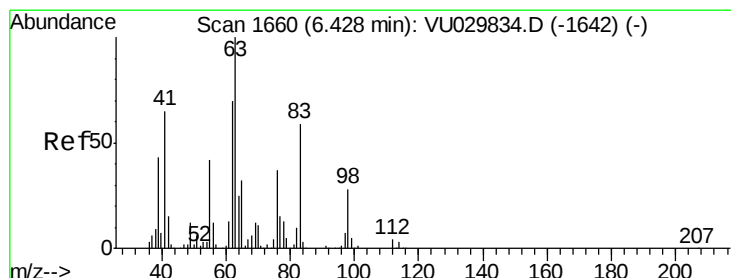
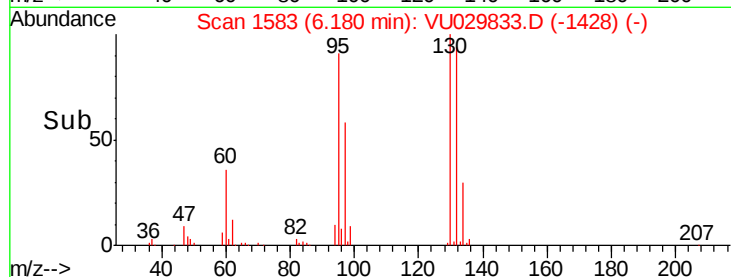
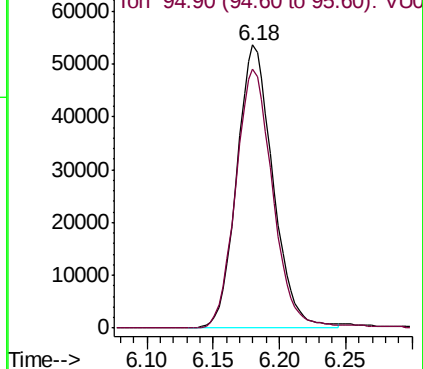
Ion Ratio Lower Upper

130 100

95 91.3 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029833.D (-1428) (-)



#38

1,2-Dichloropropane

Concen: 5.004 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU029833.D

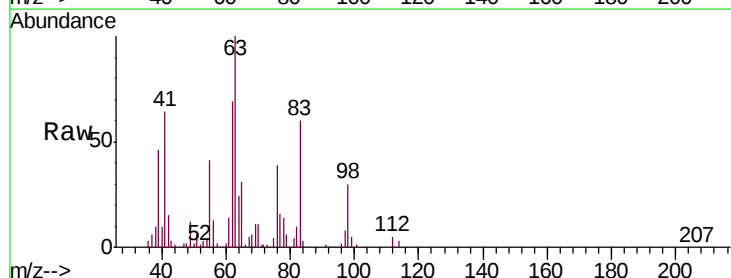
Acq: 06 Mar 2019 10:47

Tgt Ion: 63 Resp: 89216

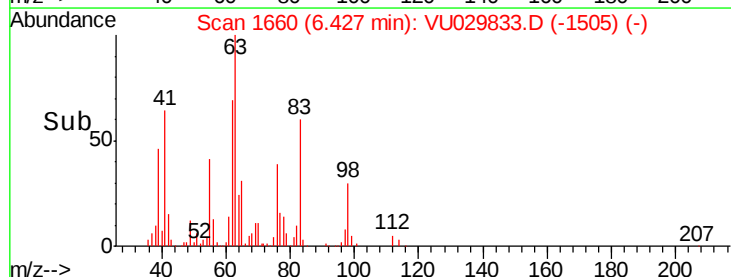
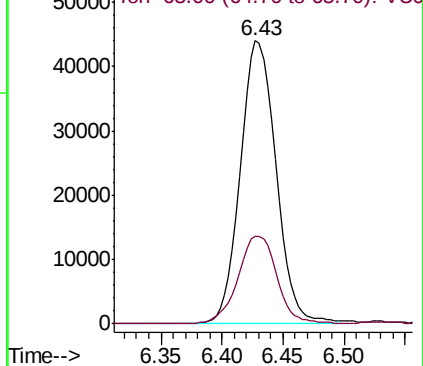
Ion Ratio Lower Upper

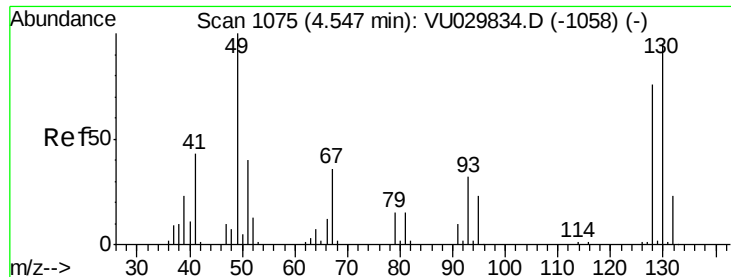
63 100

65 30.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029833.D (-1505) (-)

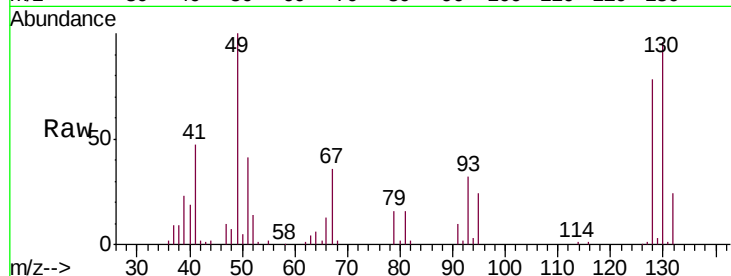




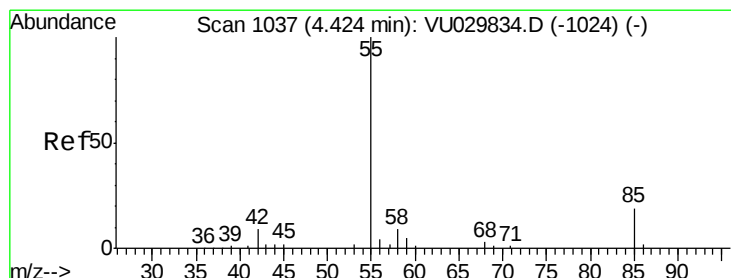
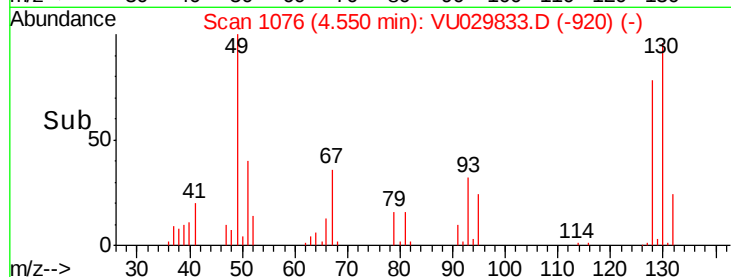
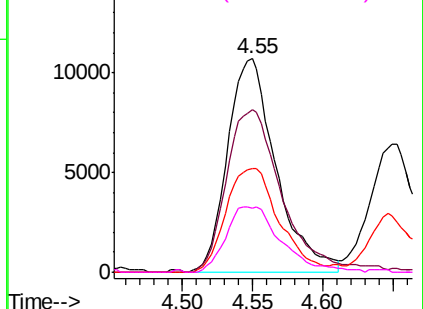
#39
Methacrylonitrile
Concen: 5.075 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	25843
Ion	Ratio	Lower	Upper
41	100		
67	86.0	68.4	102.6
39	52.7	42.6	63.8
52	34.6	26.2	39.4

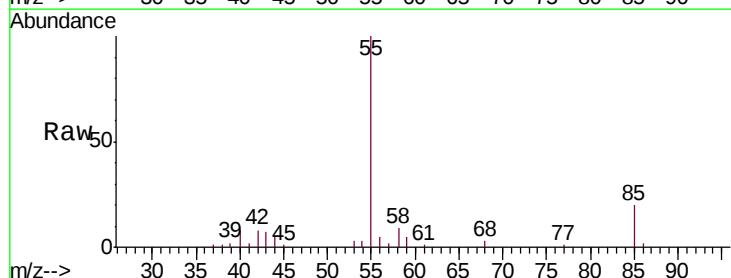


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

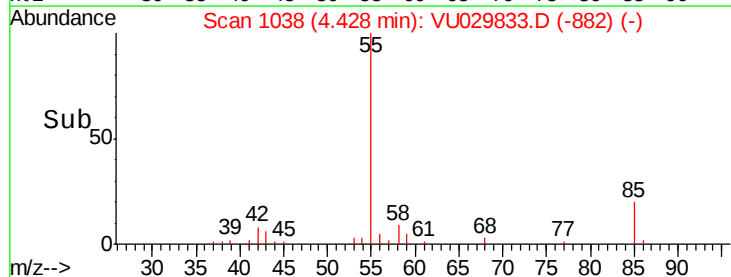
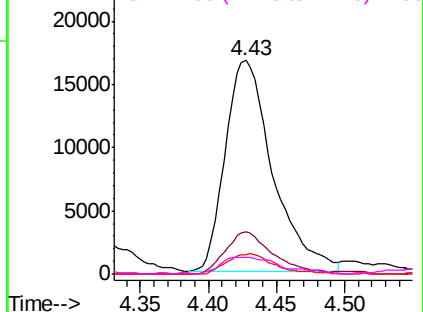


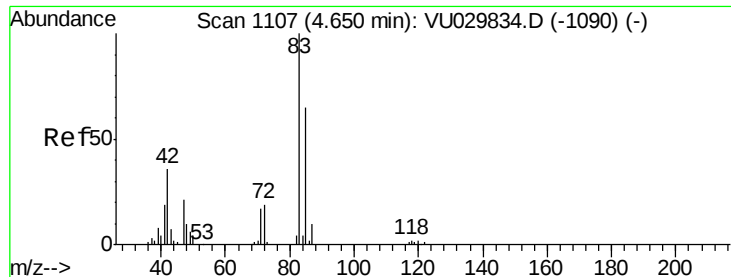
#40
Methyl acrylate
Concen: 5.028 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:	55	Resp:	40469
Ion	Ratio	Lower	Upper
55	100		
85	19.8	15.2	22.8
58	9.4	7.6	11.4
42	10.0	7.5	11.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 9.276 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

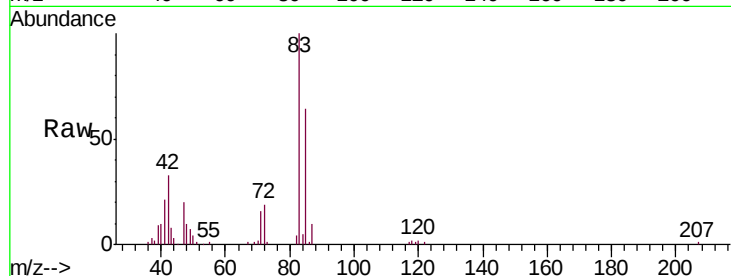
Tgt Ion: 42 Resp: 24706

Ion Ratio Lower Upper

42 100

72 56.9 43.6 65.4

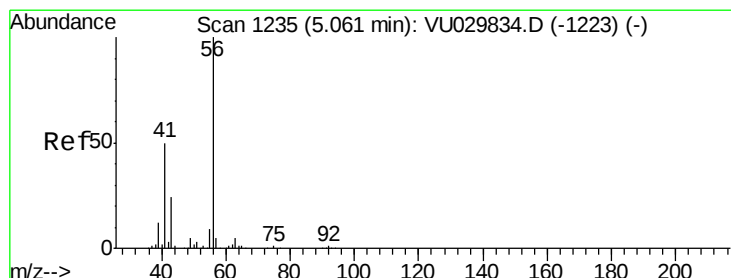
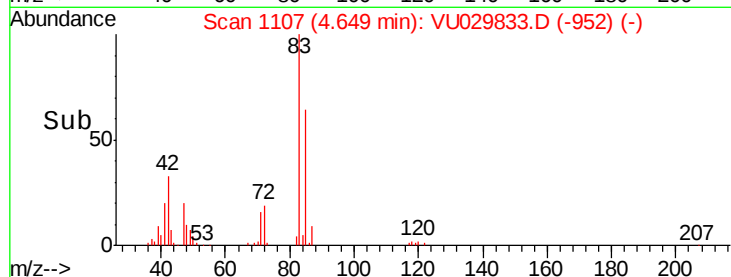
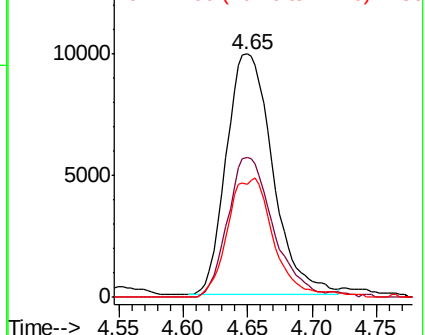
71 48.4 37.5 56.3



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 5.194 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029833.D

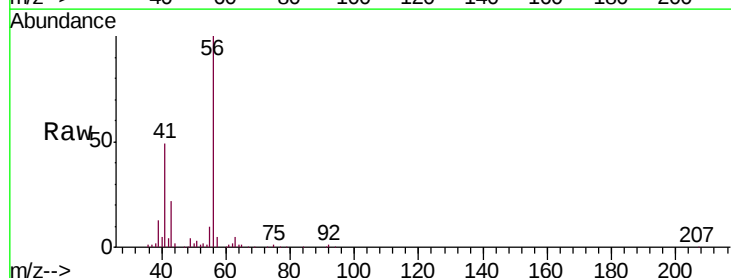
Acq: 06 Mar 2019 10:47

Tgt Ion: 56 Resp: 158652

Ion Ratio Lower Upper

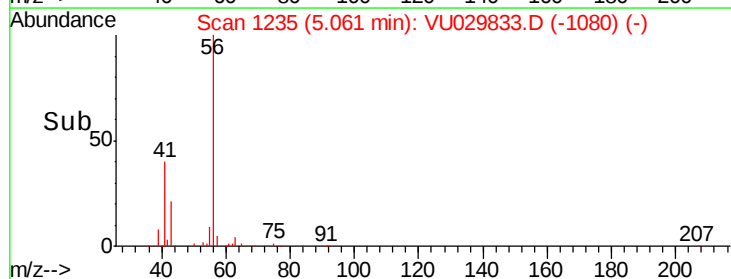
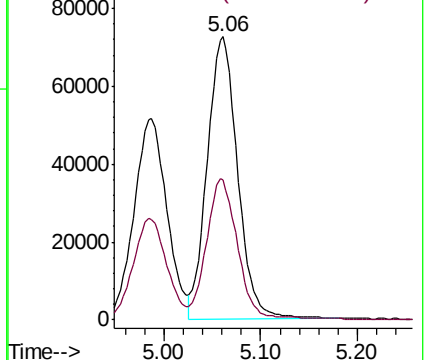
56 100

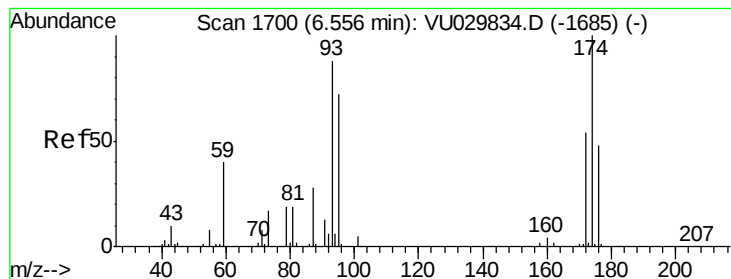
41 50.0 25.0 75.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 5.132 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

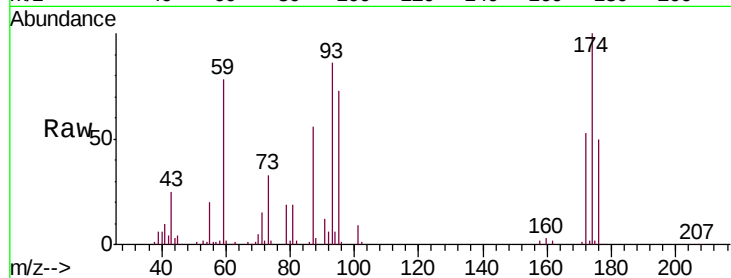
Tgt Ion: 93 Resp: 47422

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.6

174 112.4 91.4 137.2

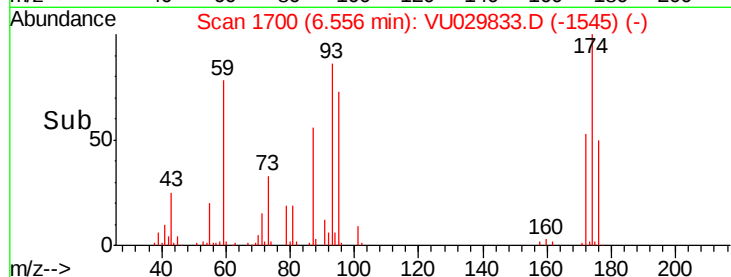


Abundance Ion 93.00 (92.70 to 93.70): VU029833.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU029833.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU029833.D (-1685) (-)

Time-->



Time-->

6.56

30000

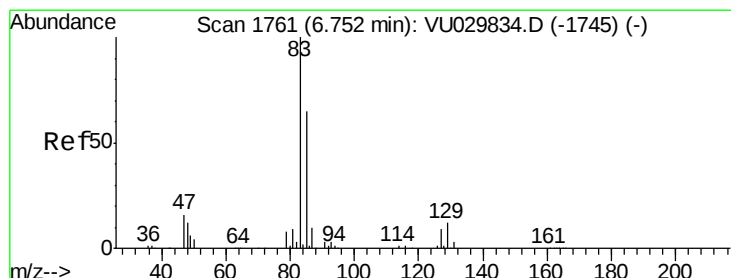
20000

10000

0

6.50 6.55 6.60 6.65

Time-->



#44

Bromodichloromethane

Concen: 5.007 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

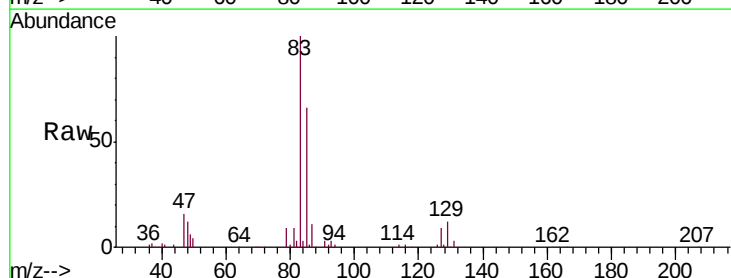
Tgt Ion: 83 Resp: 113625

Ion Ratio Lower Upper

83 100

85 66.2 51.7 77.5

127 9.2 7.4 11.2

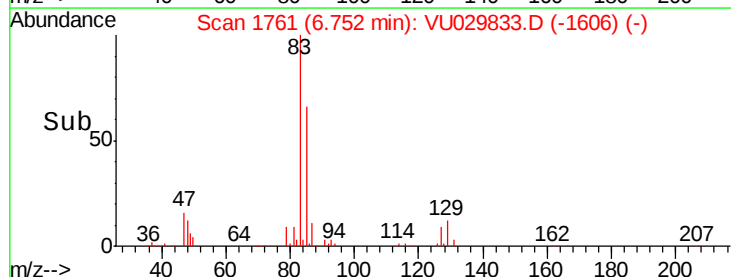


Abundance Ion 83.00 (82.70 to 83.70): VU029833.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU029833.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU029833.D (-1745) (-)

Time-->



Time-->

6.75

80000

60000

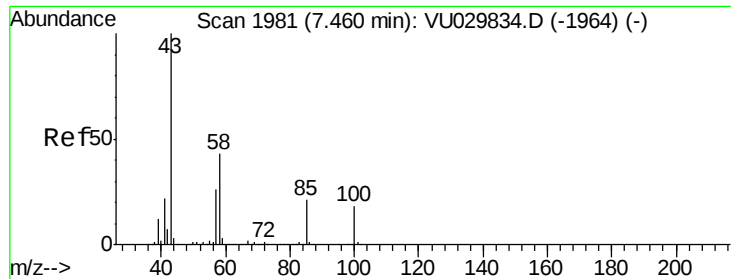
40000

20000

0

6.70 6.80 6.90

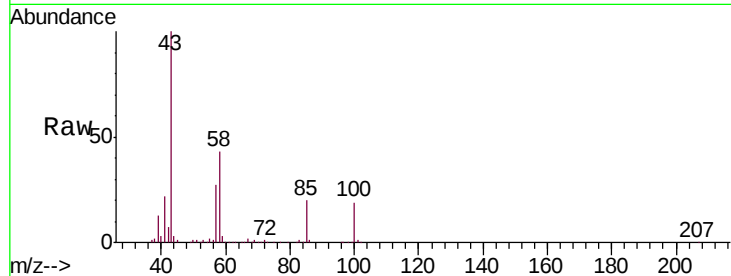
Time-->



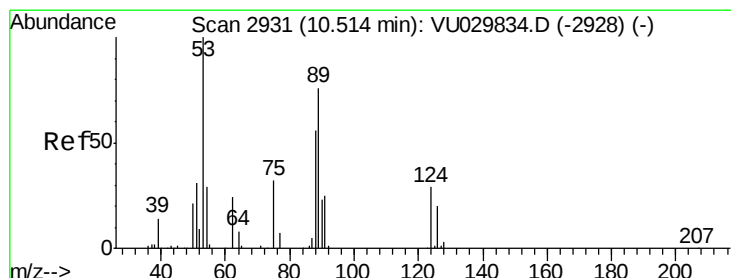
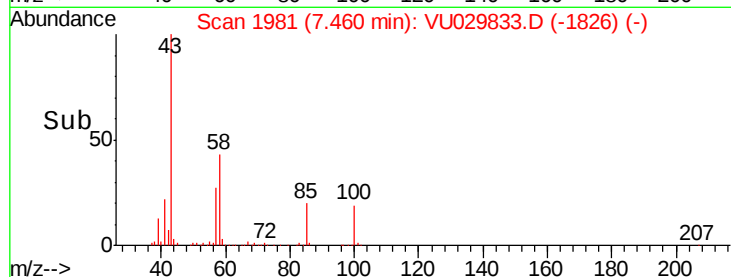
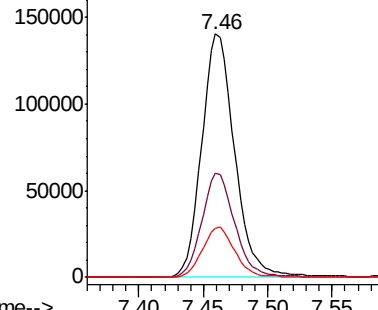
#45
 4-Methyl-2-Pentanone
 Concen: 25.774 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 248401
 Ion Ratio Lower Upper
 43 100
 58 42.9 21.6 65.0
 85 20.4 16.5 24.7

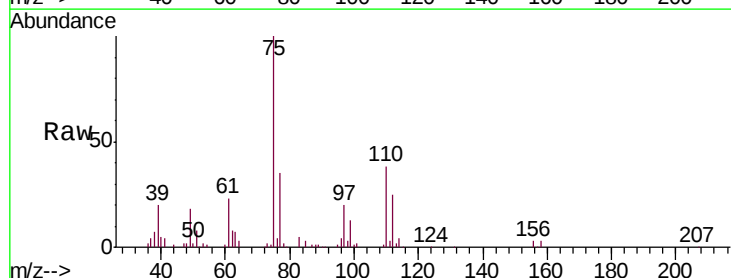


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

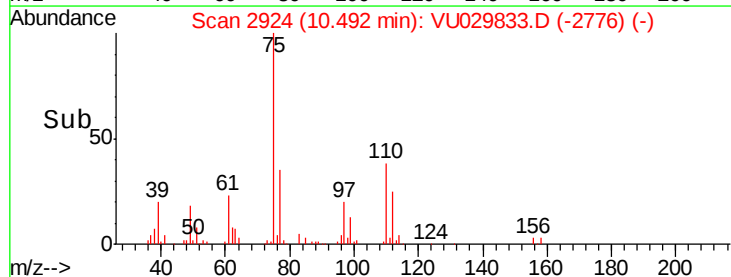
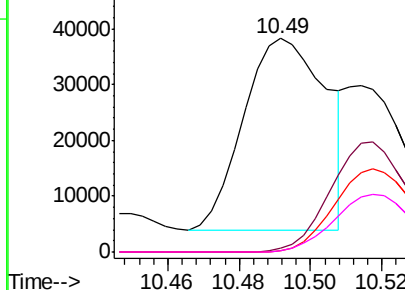


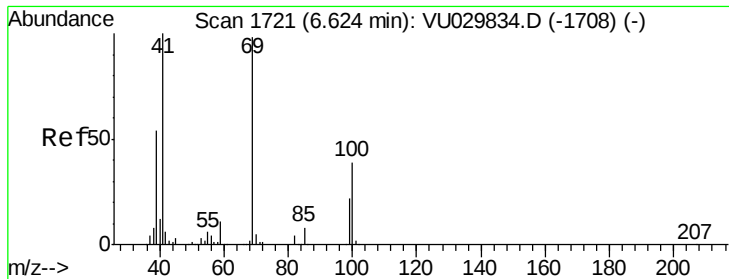
#46
 t-1,4-Dichloro-2-butene
 Concen: 13.117 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 75 Resp: 55028
 Ion Ratio Lower Upper
 75 100
 53 56.5 59.2 88.8#
 89 42.6 44.9 67.3#
 88 29.8 32.2 48.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.80 (88.50 to 89.50): VU0
 Ion 87.80 (87.50 to 88.50): VU0

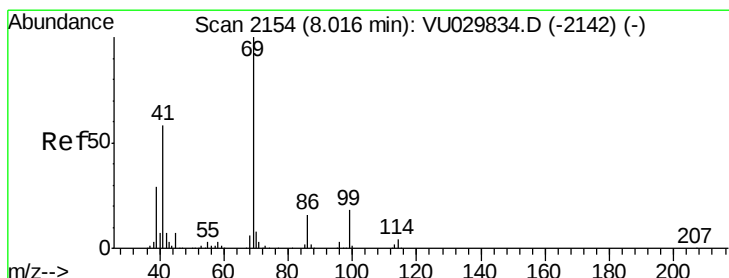
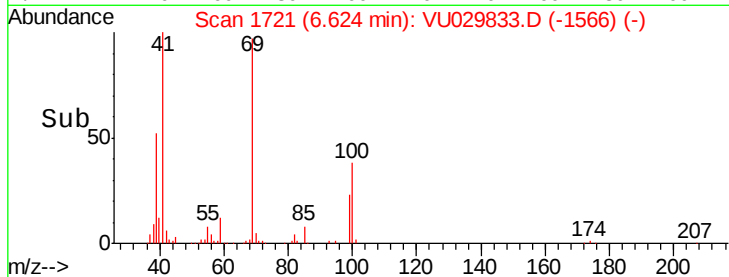
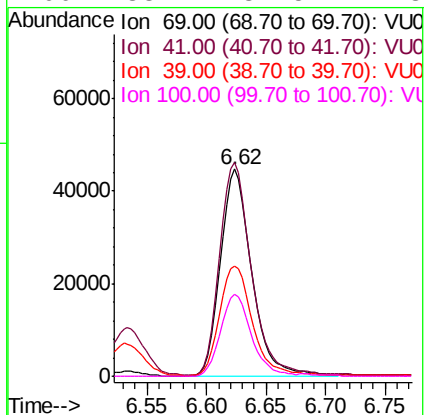
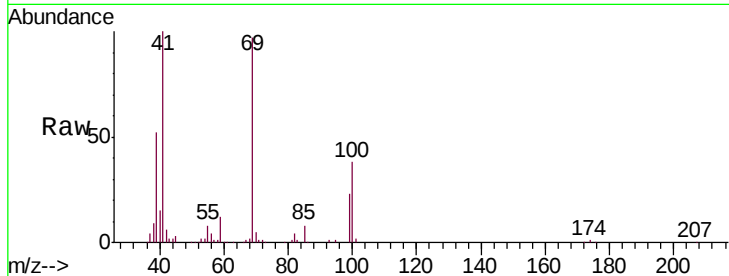




#47
Methyl methacrylate
Concen: 10.349 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

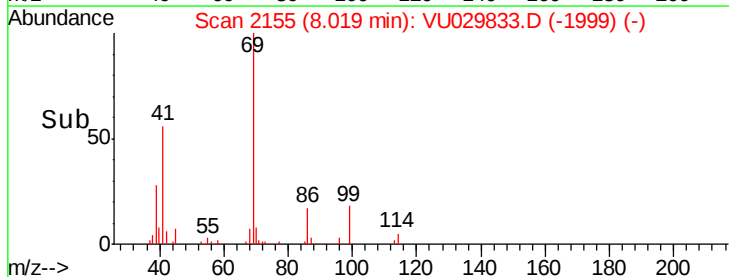
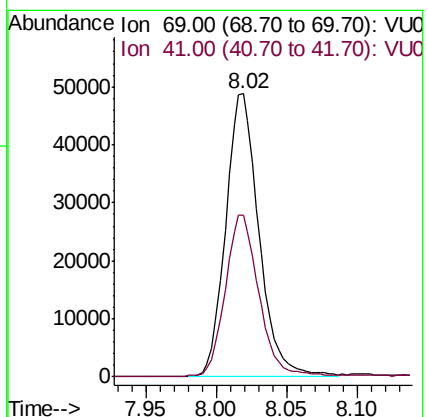
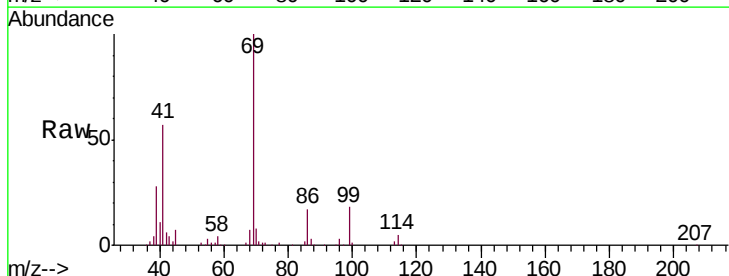
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

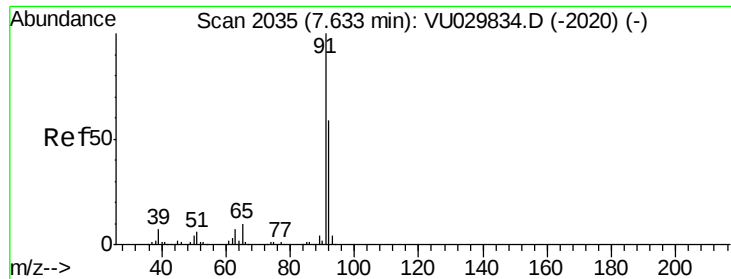
Tgt Ion: 69 Resp: 82063
Ion Ratio Lower Upper
69 100
41 102.8 0.0 201.0
39 55.1 43.3 64.9
100 38.7 31.5 47.3



#48
Ethyl methacrylate
Concen: 5.299 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion: 69 Resp: 80506
Ion Ratio Lower Upper
69 100
41 58.0 29.0 87.1





#49

Toluene

Concen: 5.139 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

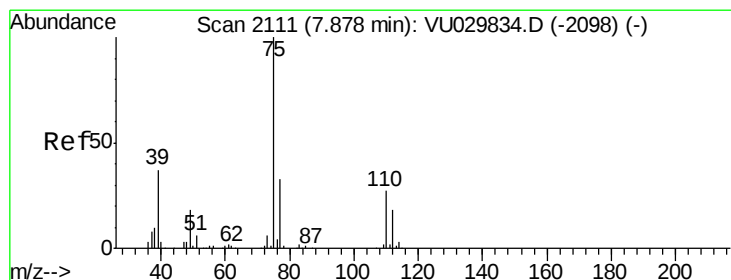
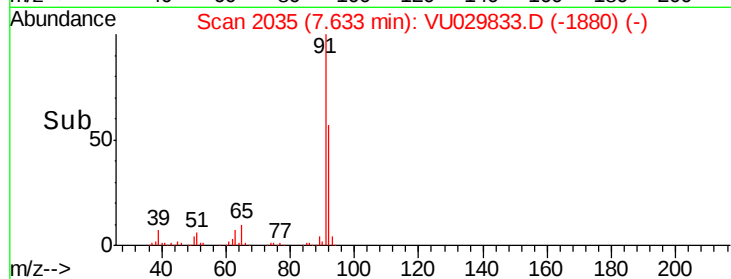
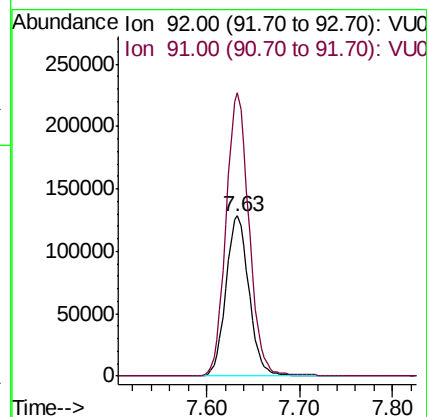
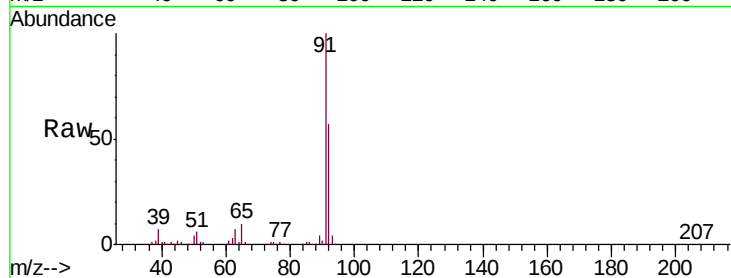
VSTDIC005

Tgt Ion: 92 Resp: 222317

Ion Ratio Lower Upper

92 100

91 176.7 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 5.151 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029833.D

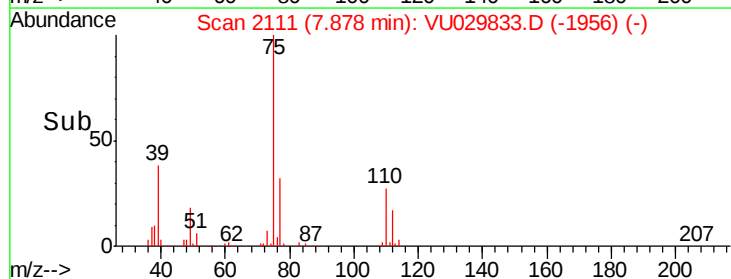
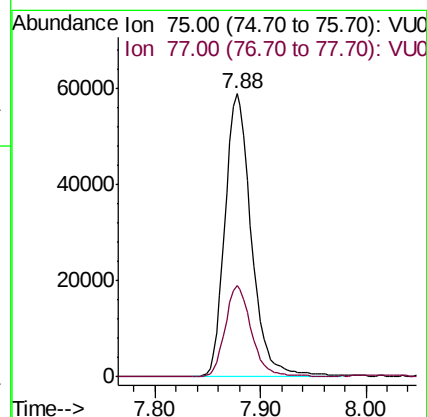
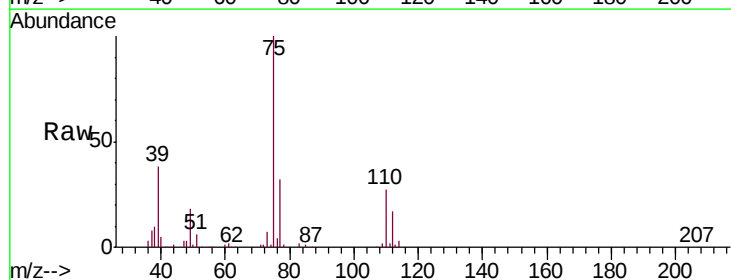
Acq: 06 Mar 2019 10:47

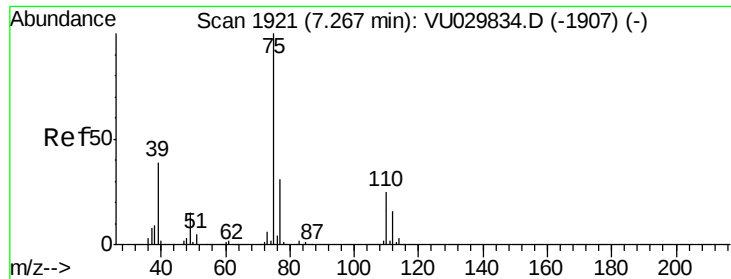
Tgt Ion: 75 Resp: 102449

Ion Ratio Lower Upper

75 100

77 32.1 26.4 39.6



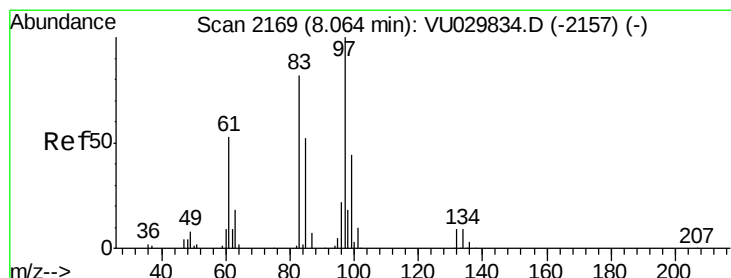
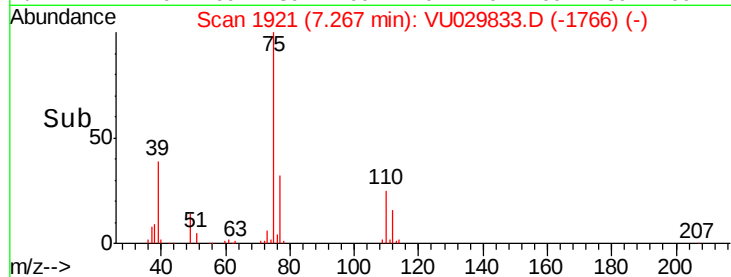
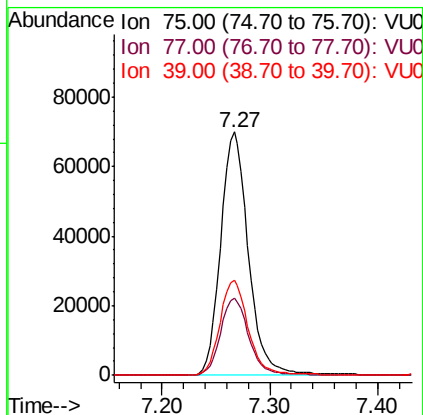
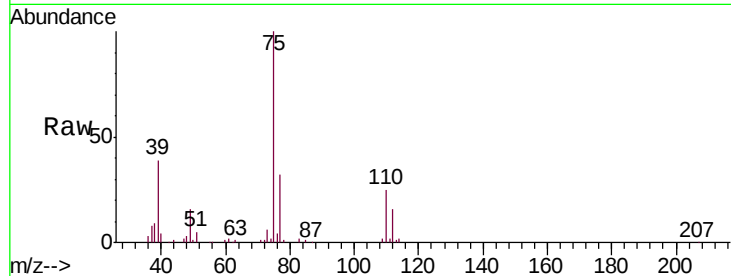


#51

cis-1,3-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

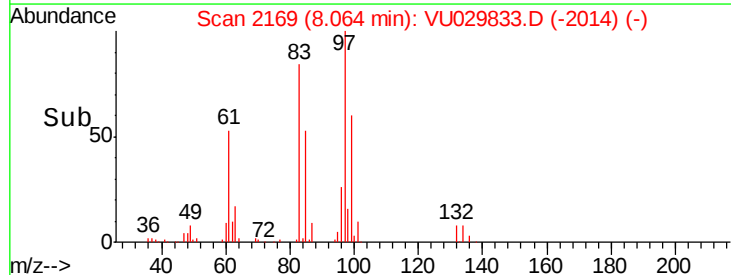
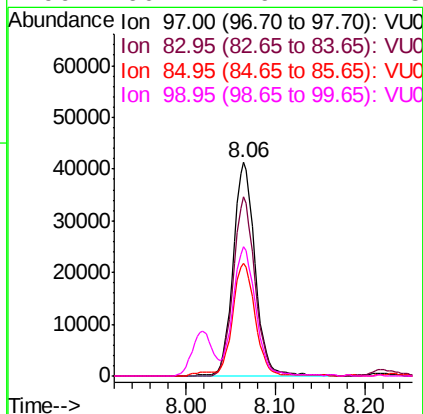
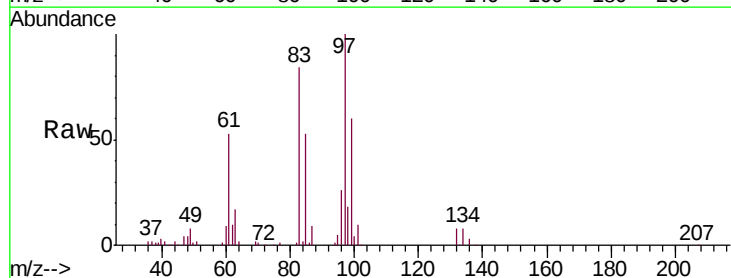
Tgt Ion:	75	Resp:	125185
Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3
39	38.9	30.8	46.2

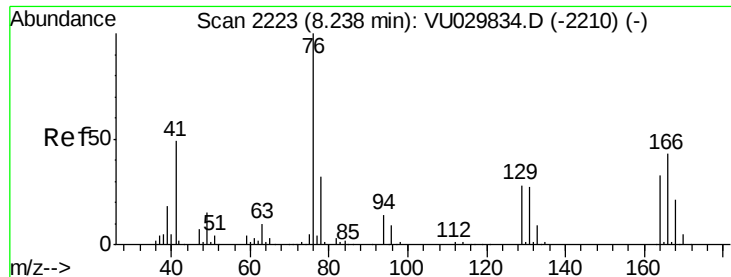


#52

1,1,2-Trichloroethane
 Concen: 5.137 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:	97	Resp:	70267
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.9	98.9
85	52.9	43.0	64.6
99	60.4	49.7	74.5

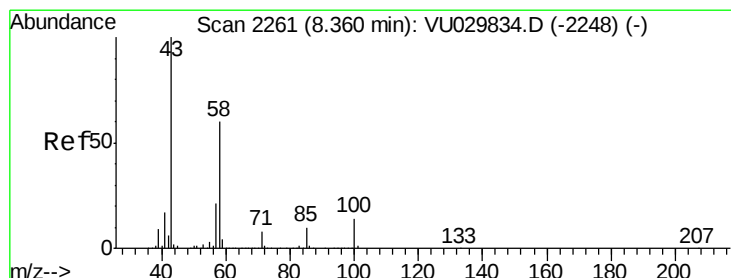
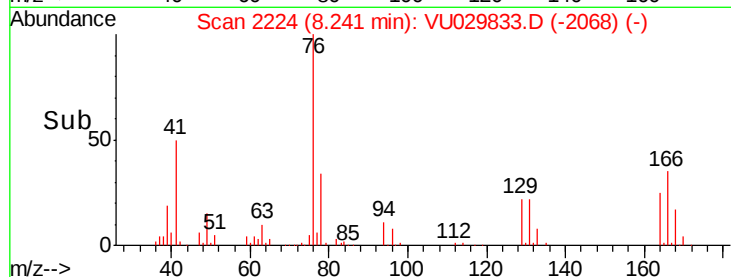
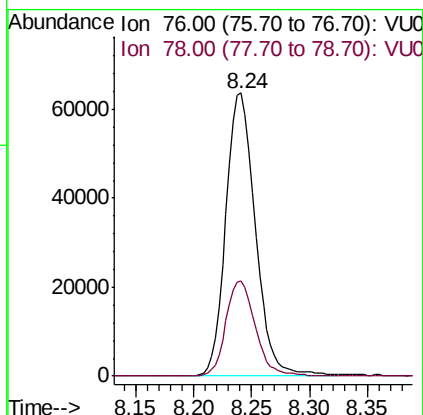
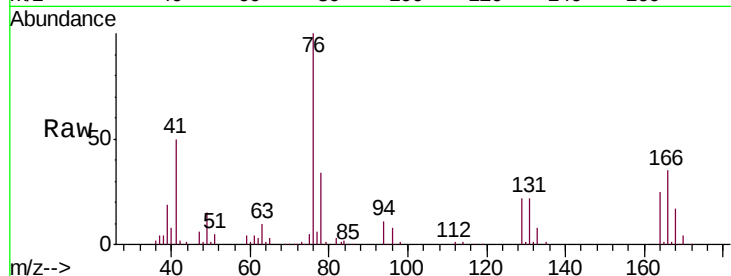




#53
 1,3-Dichloropropane
 Concen: 5.036 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

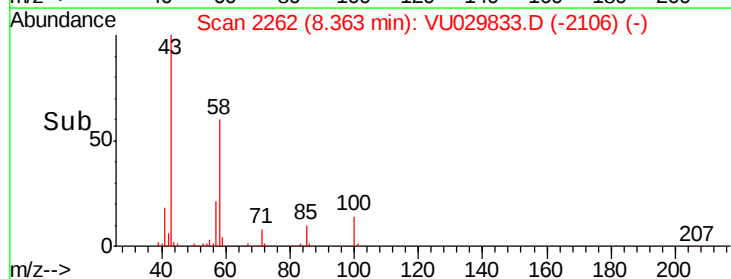
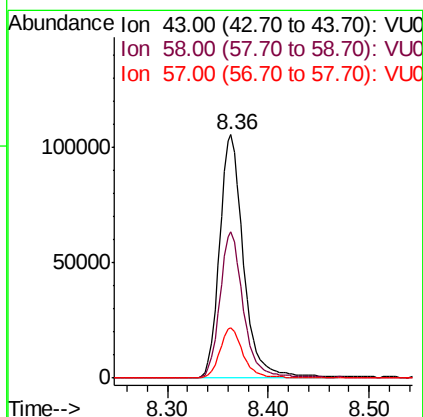
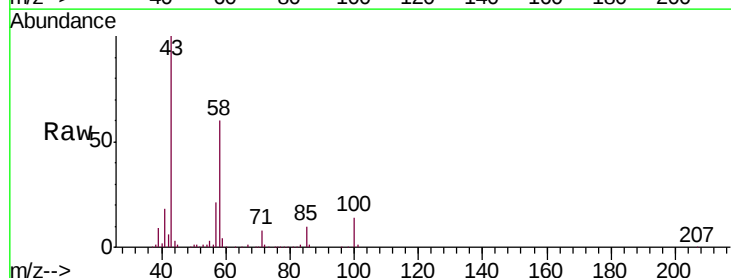
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

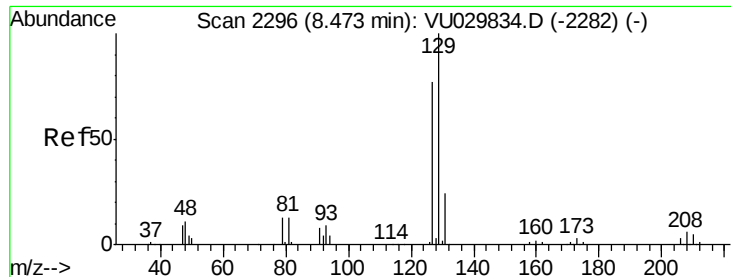
Tgt Ion: 76 Resp: 112987
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5



#54
 2-Hexanone
 Concen: 26.210 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 43 Resp: 175438
 Ion Ratio Lower Upper
 43 100
 58 58.6 39.6 79.6
 57 20.3 0.5 40.5

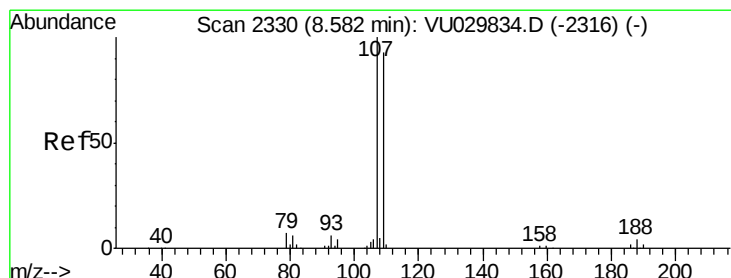
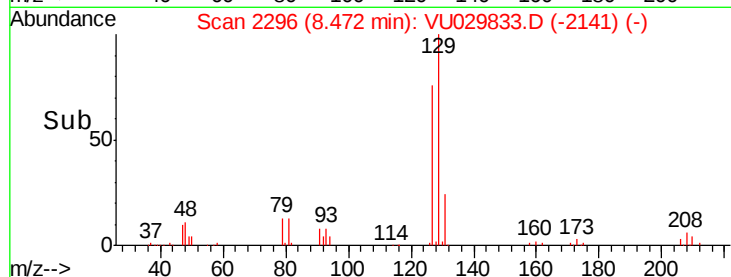
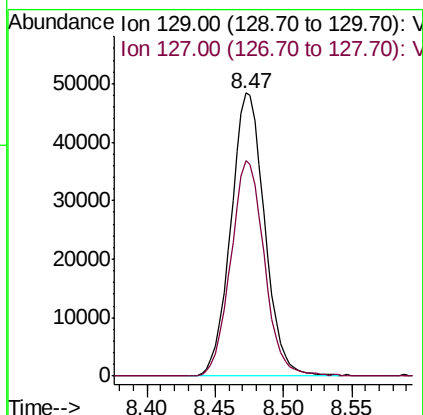
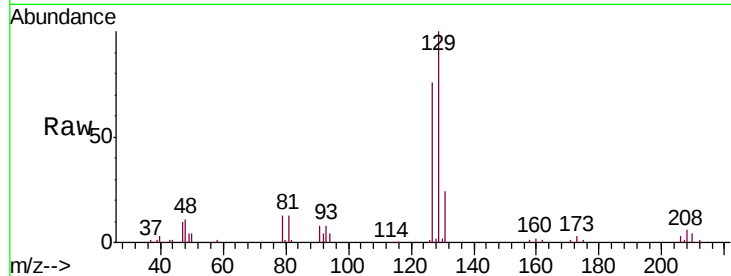




#55
 Dibromochloromethane
 Concen: 5.123 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

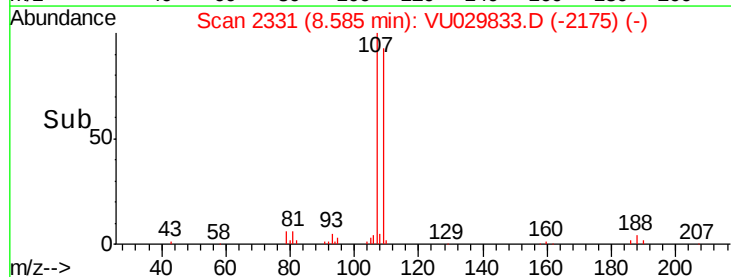
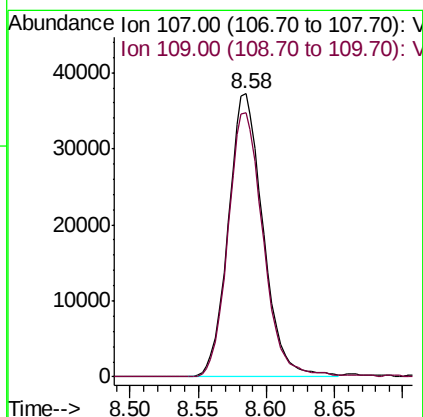
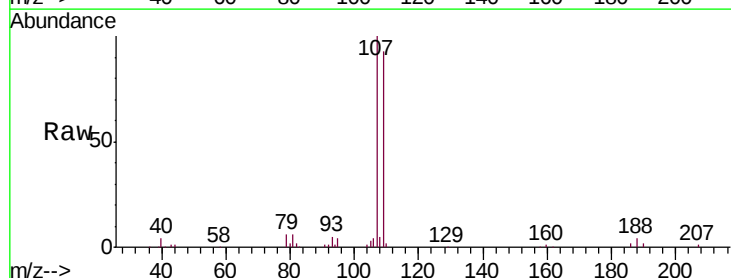
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

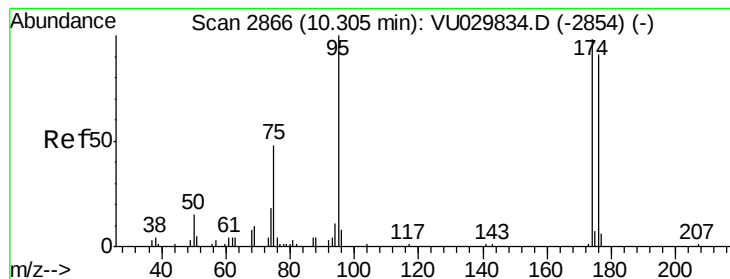
Tgt Ion:129 Resp: 83165
 Ion Ratio Lower Upper
 129 100
 127 76.1 61.6 92.4



#56
 1,2-Dibromoethane
 Concen: 5.087 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion:107 Resp: 65972
 Ion Ratio Lower Upper
 107 100
 109 93.9 0.0 188.4





#57

4-Bromofluorobenzene

Concen: 5.087 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

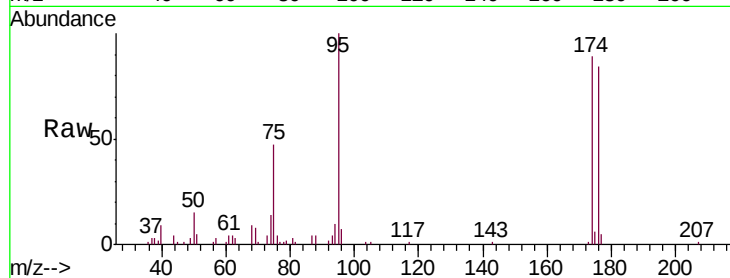
Tgt Ion: 95 Resp: 23633

Ion Ratio Lower Upper

95 100

174 92.2 76.5 114.7

176 88.7 74.2 111.2

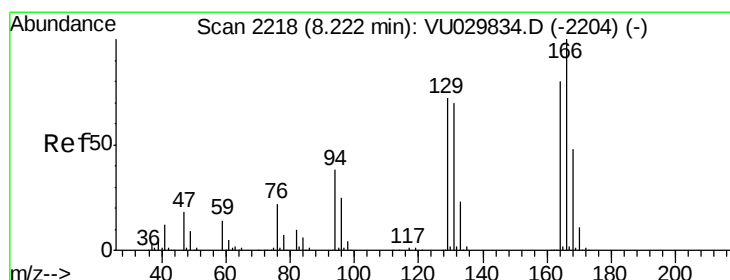
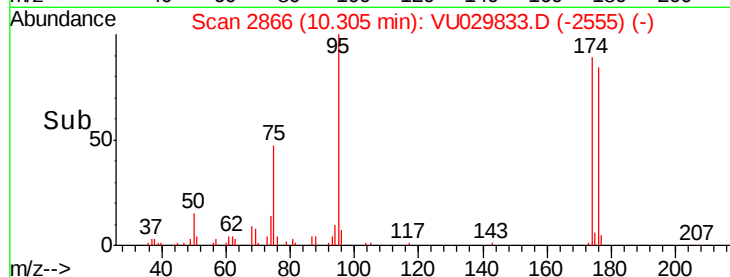
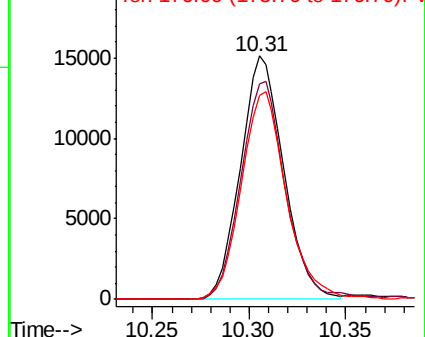


Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58

Tetrachloroethene

Concen: 4.953 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Tgt Ion: 164 Resp: 104054

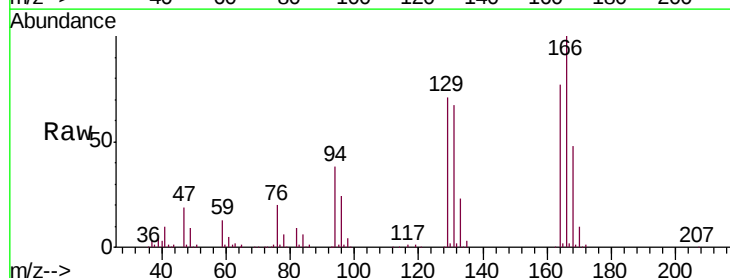
Ion Ratio Lower Upper

164 100

166 129.2 100.5 150.7

129 91.2 72.3 108.5

131 86.5 70.0 105.0



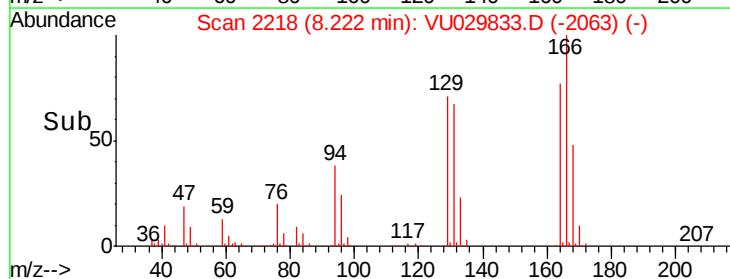
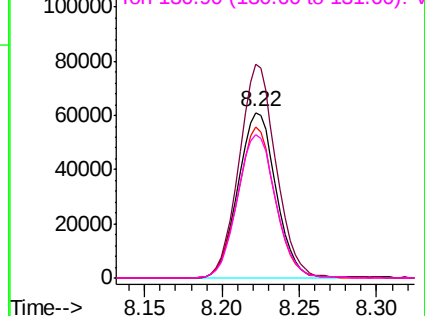
Abundance

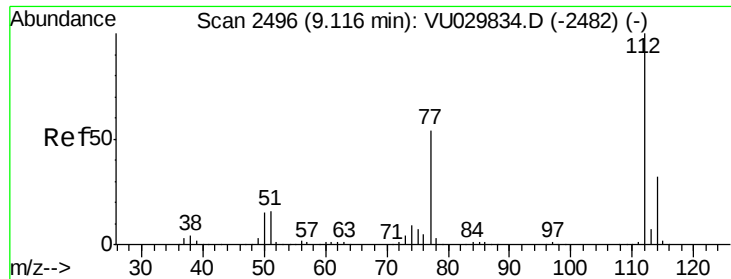
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 5.048 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

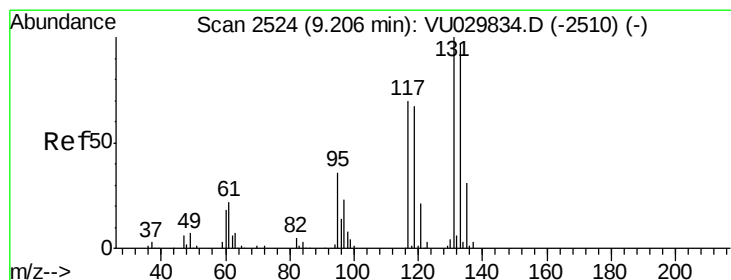
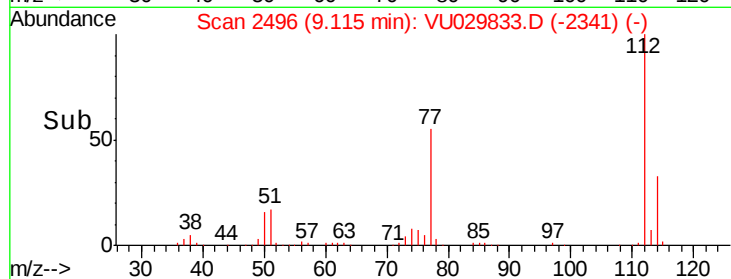
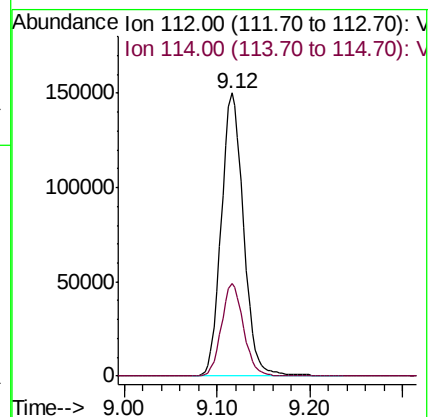
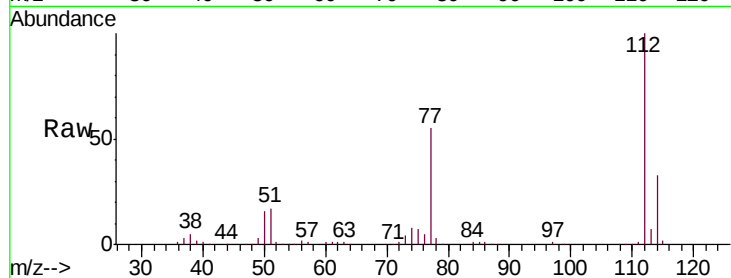
VSTDIC005

Tgt Ion:112 Resp: 250973

Ion Ratio Lower Upper

112 100

114 32.7 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 5.083 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

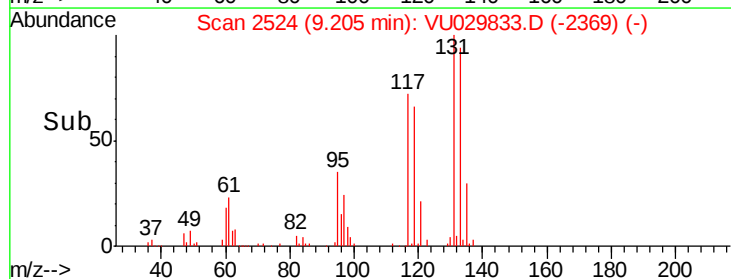
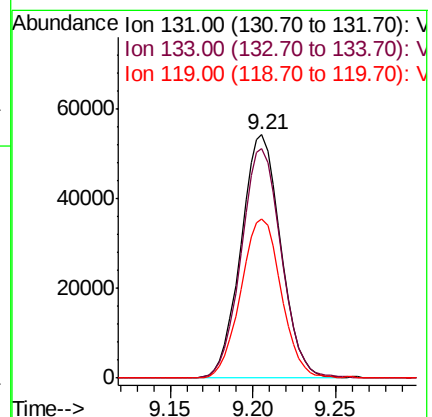
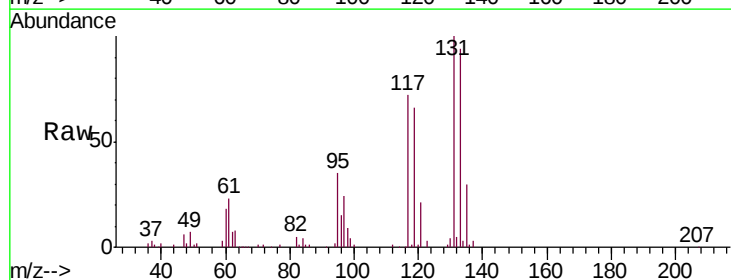
Tgt Ion:131 Resp: 90645

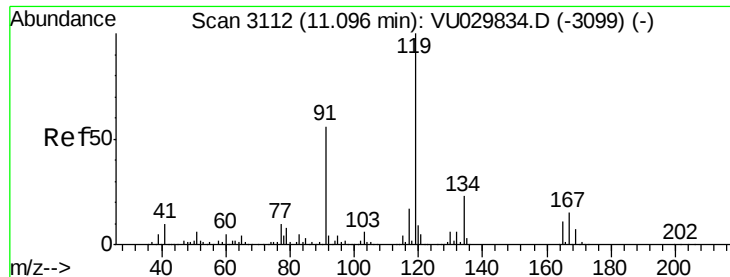
Ion Ratio Lower Upper

131 100

133 95.6 76.4 114.6

119 66.2 54.2 81.4





#61

Pentachloroethane

Concen: 5.085 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

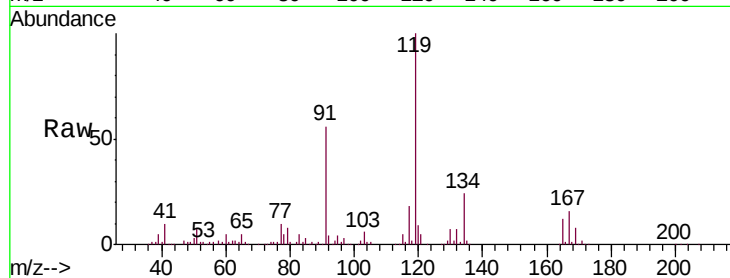
VSTDIC005

Tgt Ion:117 Resp: 63133

Ion Ratio Lower Upper

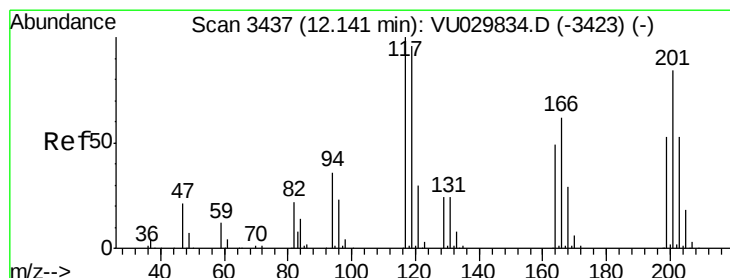
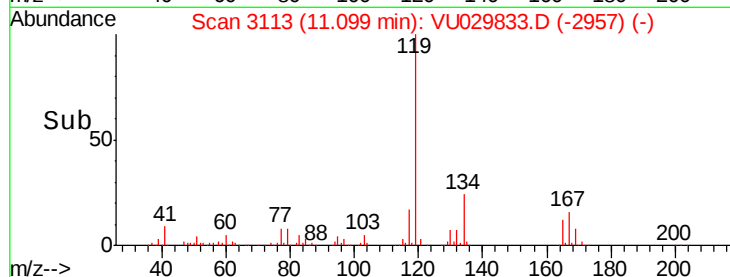
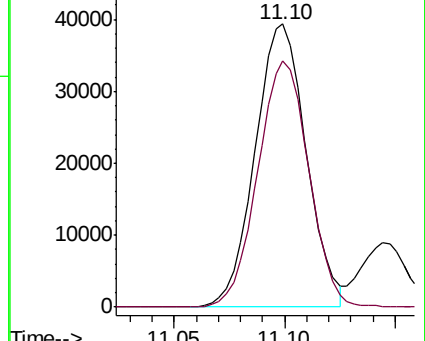
117 100

167 86.7 71.4 107.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 5.093 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029833.D

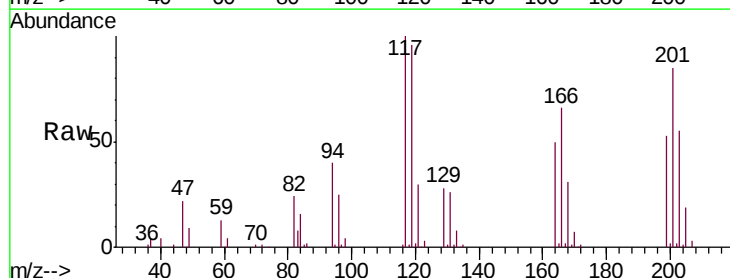
Acq: 06 Mar 2019 10:47

Tgt Ion:117 Resp: 66524

Ion Ratio Lower Upper

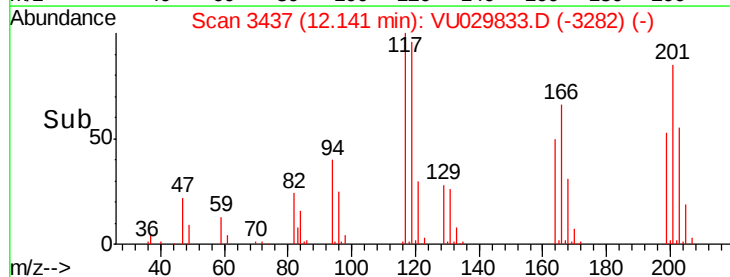
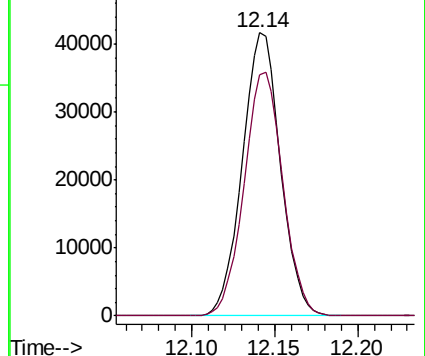
117 100

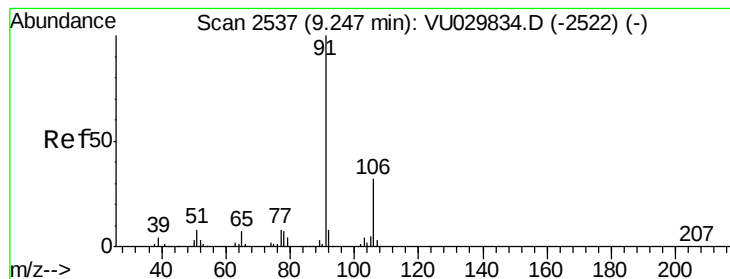
201 87.2 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 5.145 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

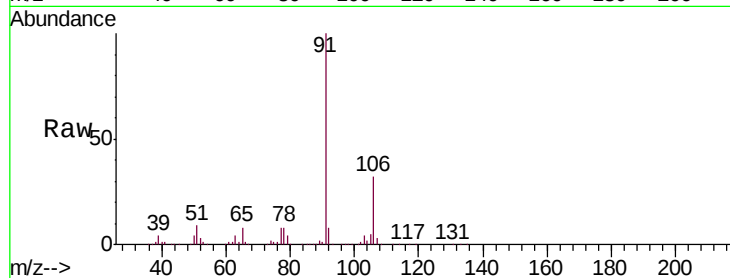
VSTDIC005

Tgt Ion: 91 Resp: 419023

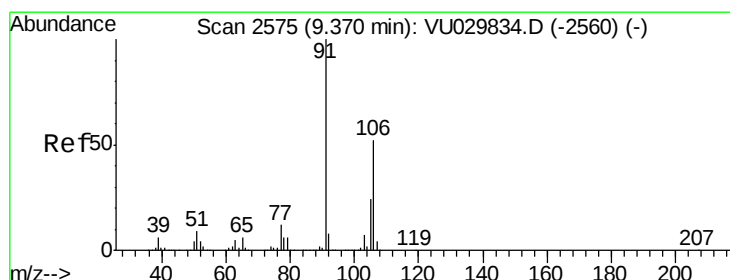
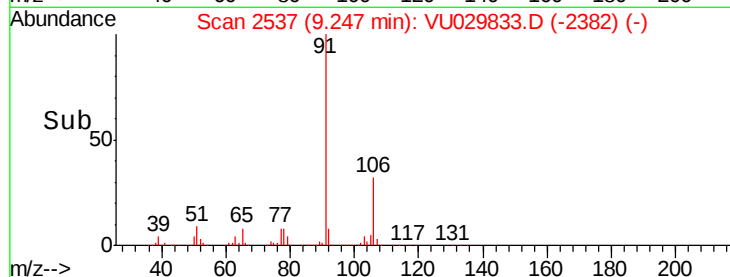
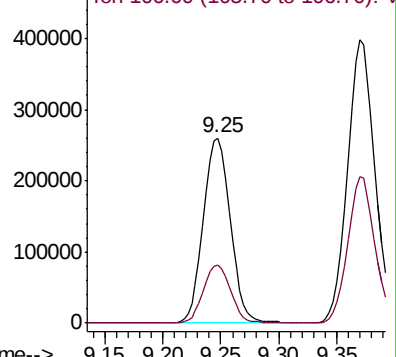
Ion Ratio Lower Upper

91 100

106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VU029833.D (-2382) (-)



#64

m/p-Xylenes

Concen: 10.506 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU029833.D

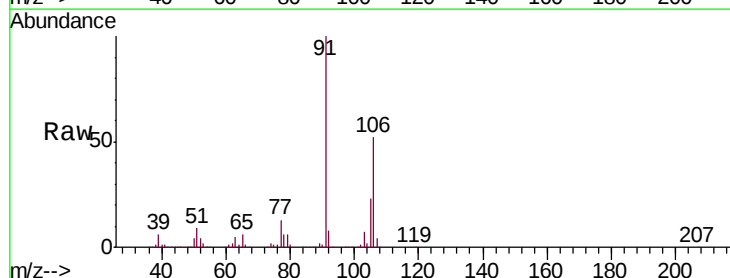
Acq: 06 Mar 2019 10:47

Tgt Ion: 106 Resp: 338234

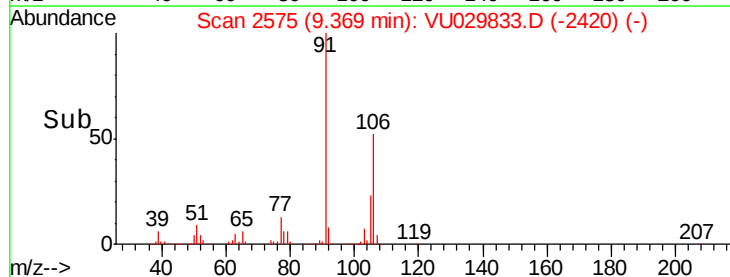
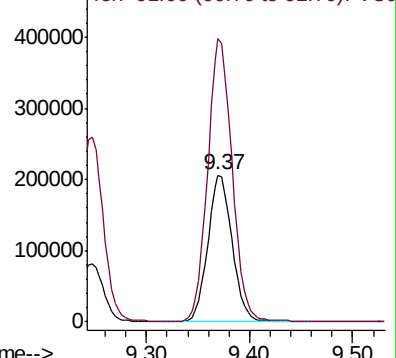
Ion Ratio Lower Upper

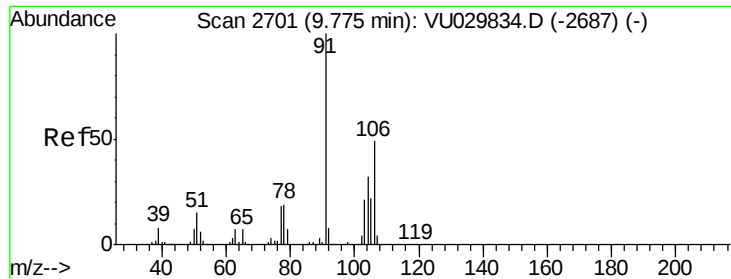
106 100

91 194.8 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): VU029833.D (-2420) (-)





#65

o-Xylene

Concen: 5.216 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

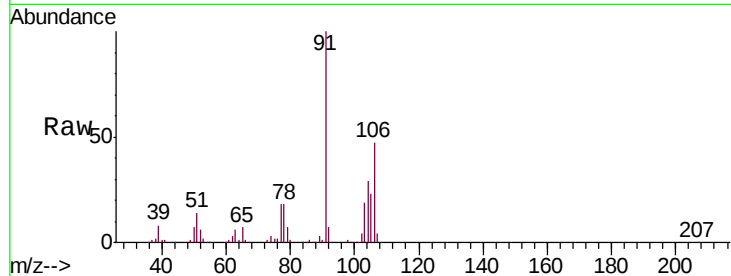
VSTDIC005

Tgt Ion:106 Resp: 161293

Ion Ratio Lower Upper

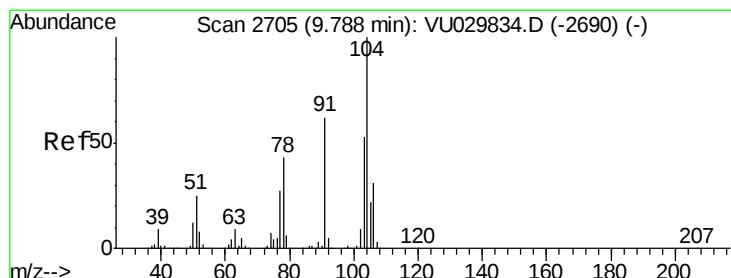
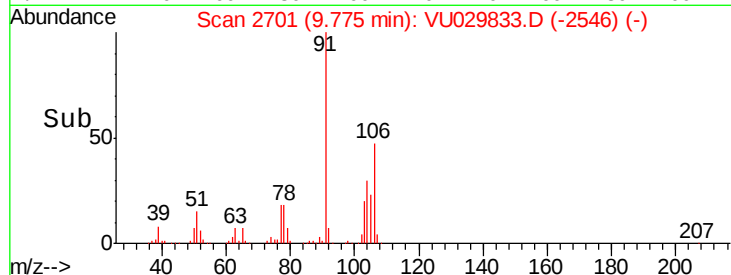
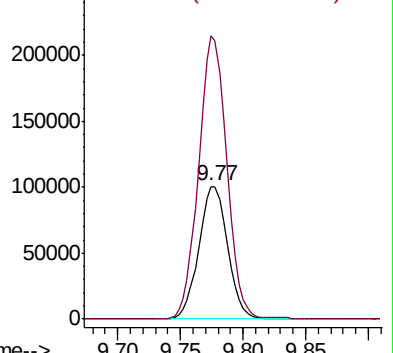
106 100

91 207.9 102.8 308.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 5.359 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

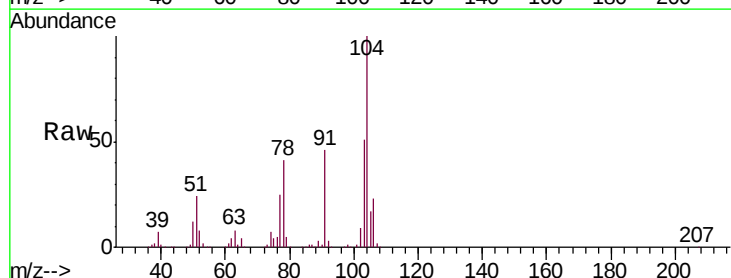
Tgt Ion:104 Resp: 275298

Ion Ratio Lower Upper

104 100

78 46.2 37.2 55.8

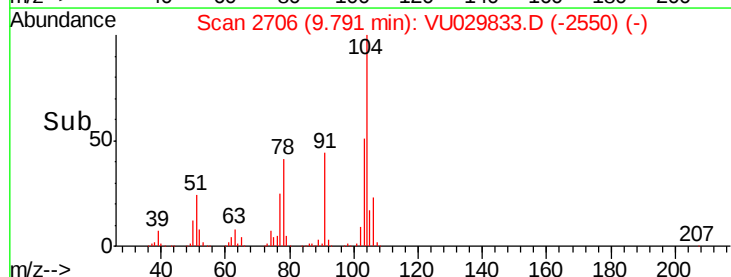
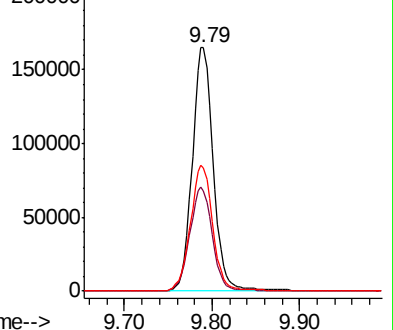
103 55.0 44.7 67.1

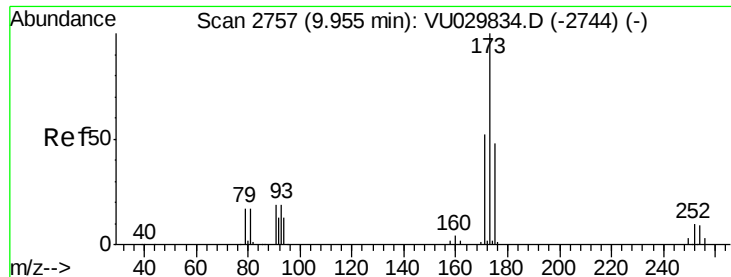


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

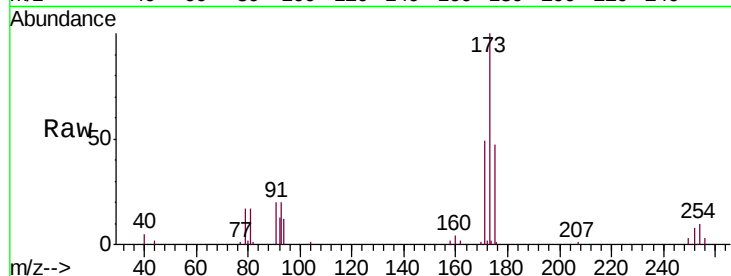




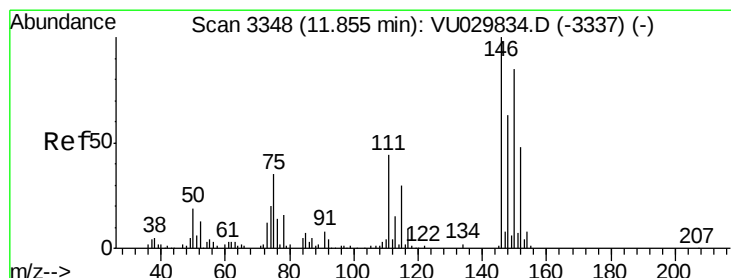
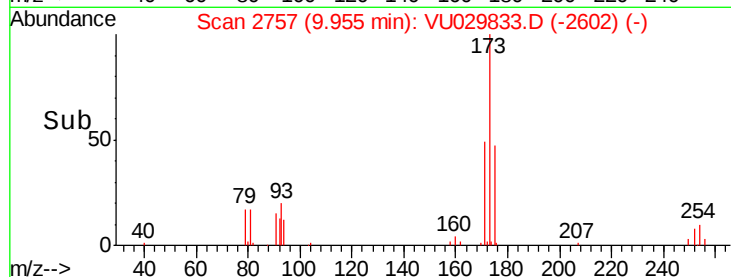
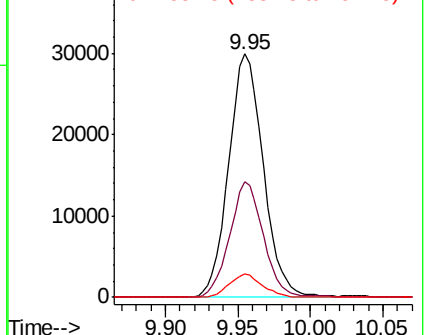
#67
Bromoform
Concen: 5.208 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 49661
Ion Ratio Lower Upper
173 100
175 45.8 38.6 57.8
254 9.1 7.4 11.2

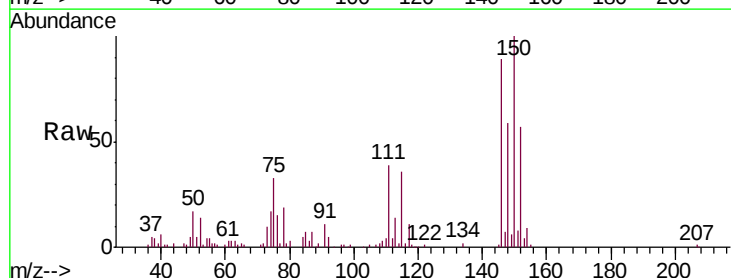


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

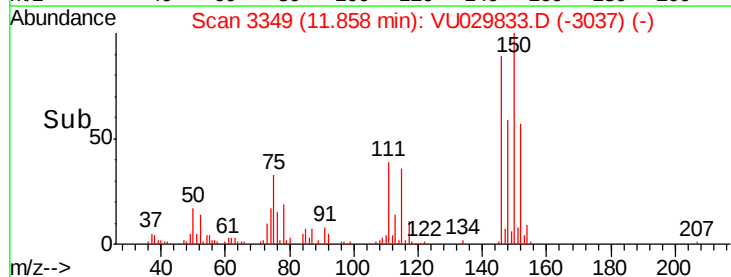
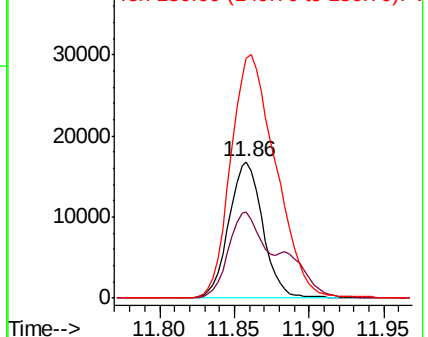


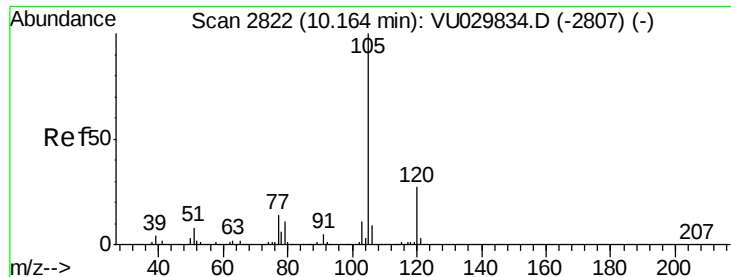
#68
1,2-Dichlorobenzene-d4
Concen: 5.208 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:152 Resp: 26518
Ion Ratio Lower Upper
152 100
115 67.1 0.0 124.0
150 237.2 0.0 631.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 5.194 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

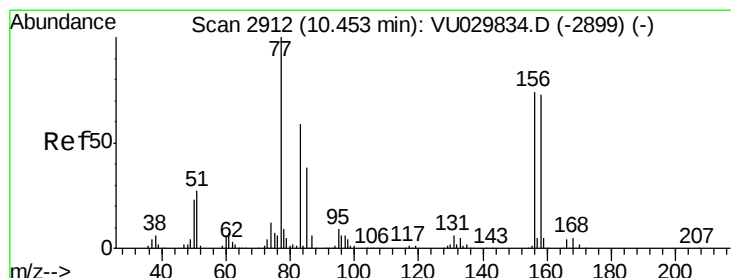
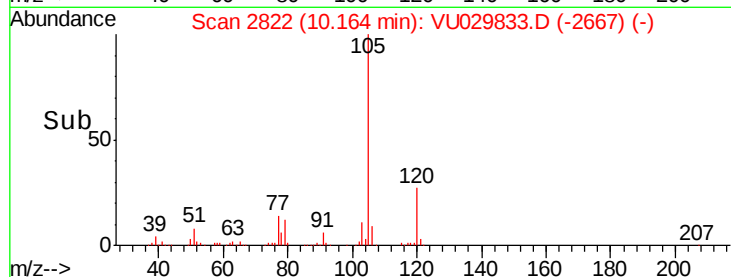
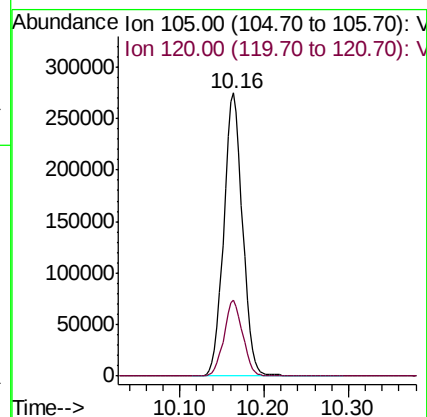
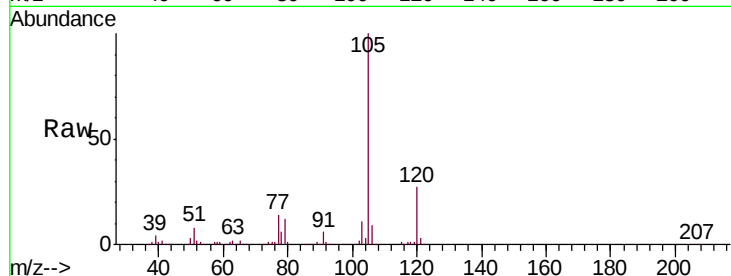
VSTDIC005

Tgt Ion:105 Resp: 425870

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 5.114 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

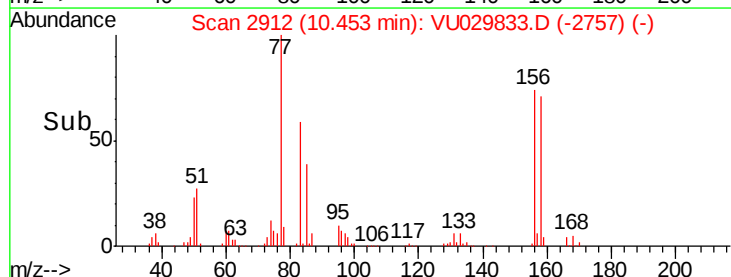
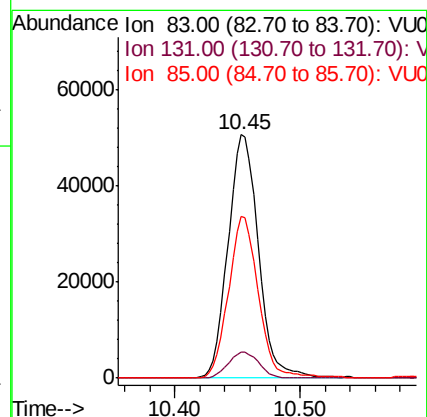
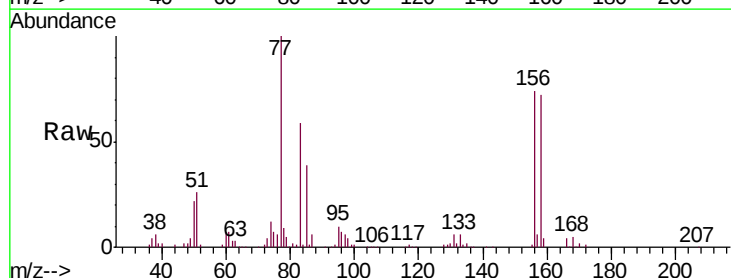
Tgt Ion: 83 Resp: 85310

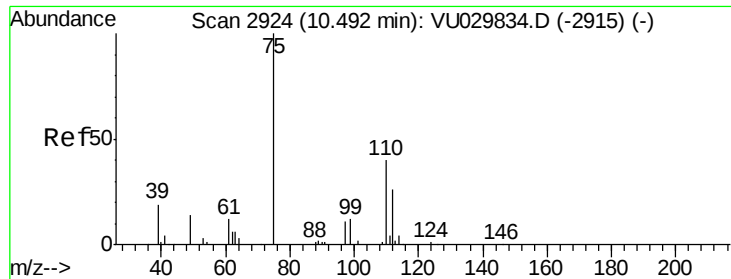
Ion Ratio Lower Upper

83 100

131 10.8 8.3 12.5

85 65.2 52.5 78.7





#71

1,2,3-Trichloropropane

Concen: 4.555 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 55028

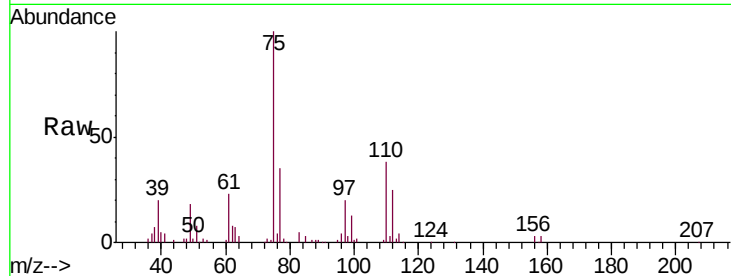
Ion Ratio Lower Upper

75 100

77 0.0 0.0 16.4

110 42.0 0.0 74.8

97 21.8 0.0 39.4

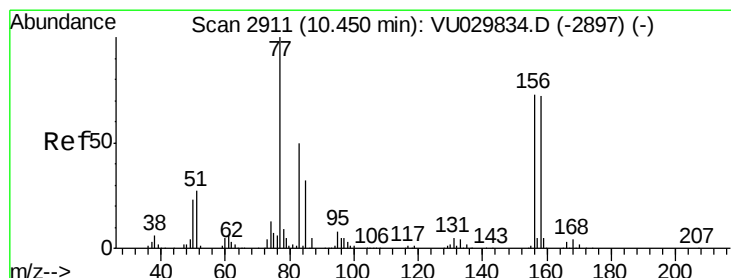
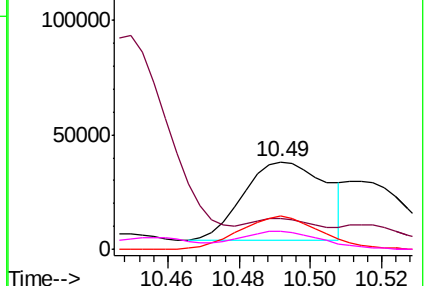
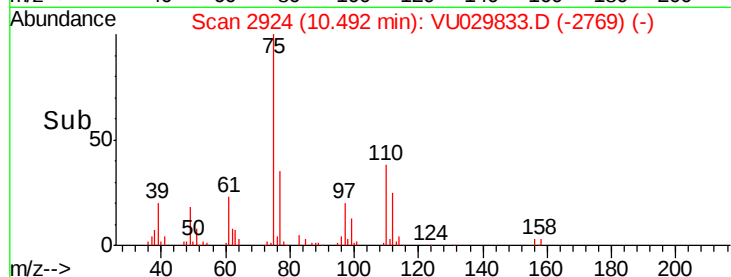


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 5.142 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

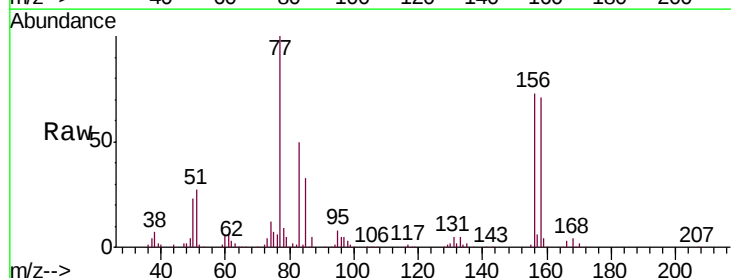
Tgt Ion: 156 Resp: 111600

Ion Ratio Lower Upper

156 100

77 138.2 0.0 282.2

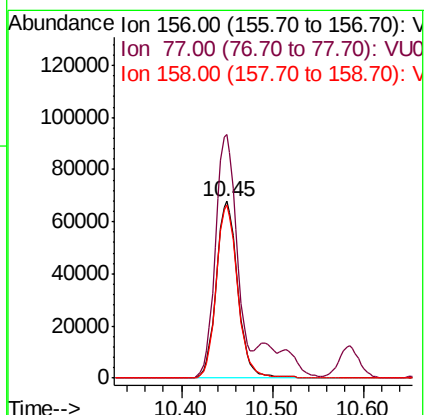
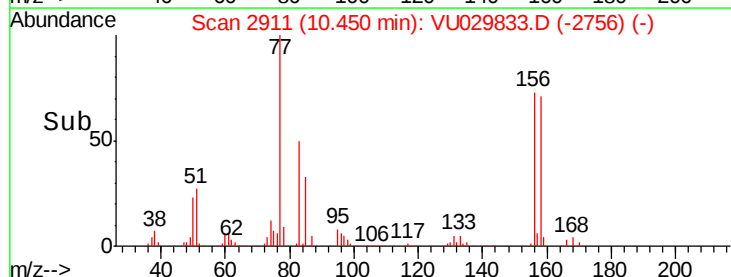
158 97.7 0.0 196.2

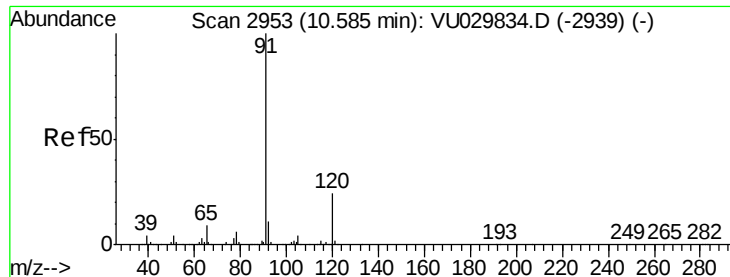


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

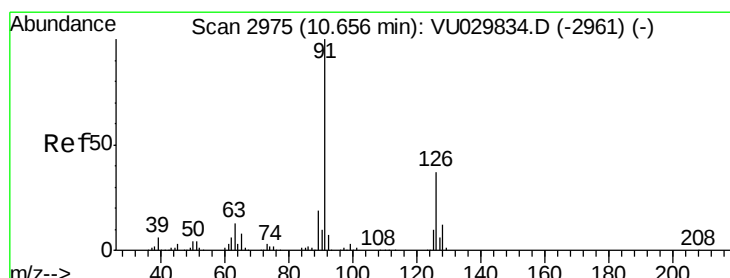
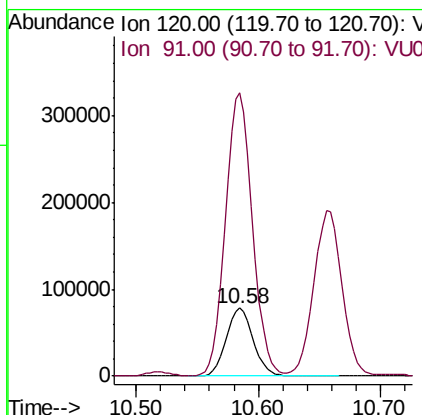
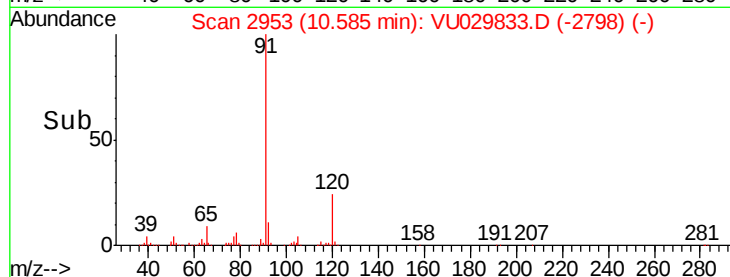
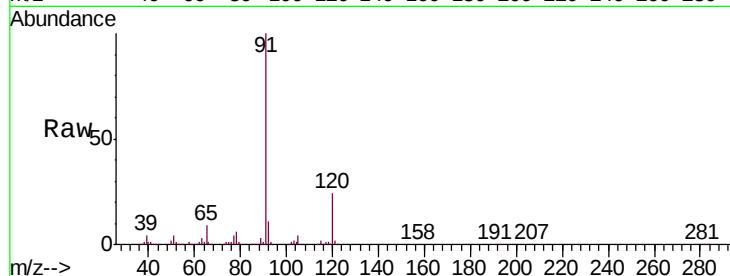




#73
n-propylbenzene
Concen: 5.314 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

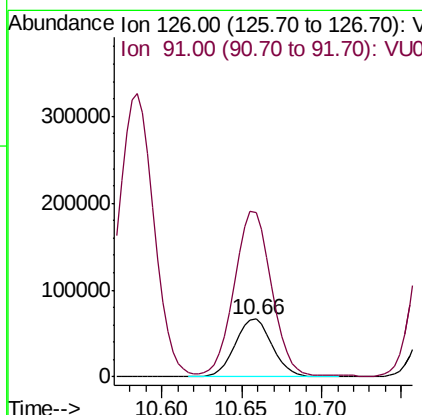
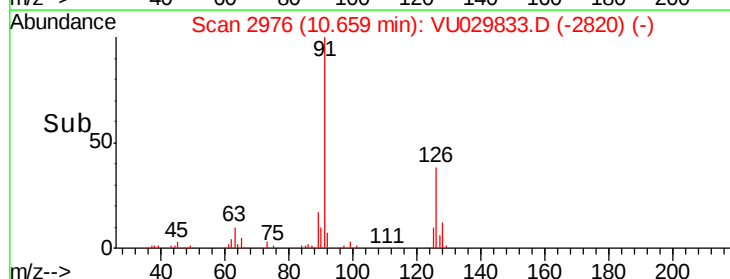
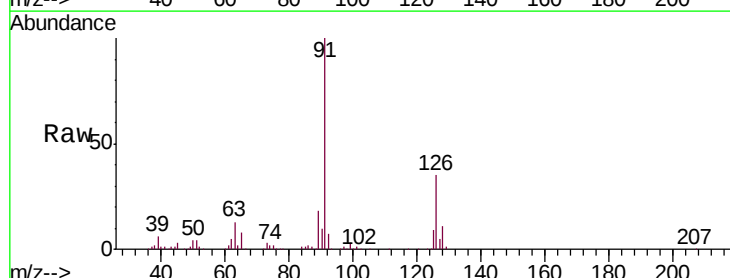
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

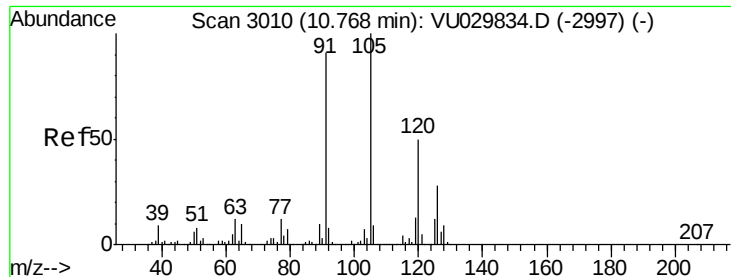
Tgt Ion:120 Resp: 122493
Ion Ratio Lower Upper
120 100
91 412.3 333.4 500.2



#74
2-Chlorotoluene
Concen: 5.138 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029833.D
Acq: 06 Mar 2019 10:47

Tgt Ion:126 Resp: 105062
Ion Ratio Lower Upper
126 100
91 288.7 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 5.267 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

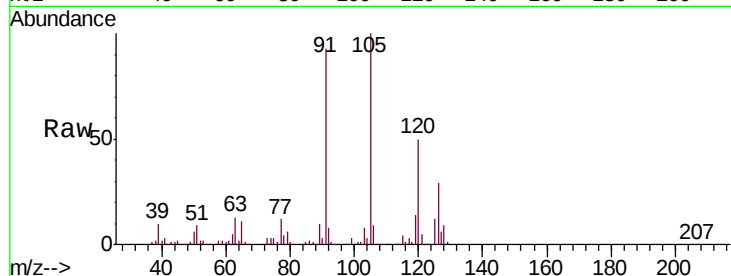
VSTDIC005

Tgt Ion:105 Resp: 363780

Ion Ratio Lower Upper

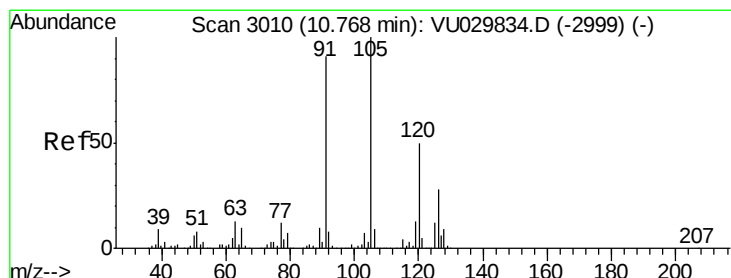
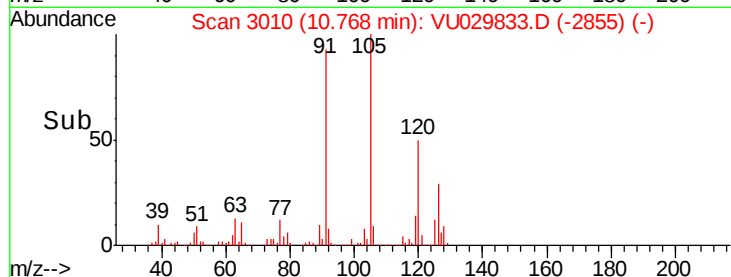
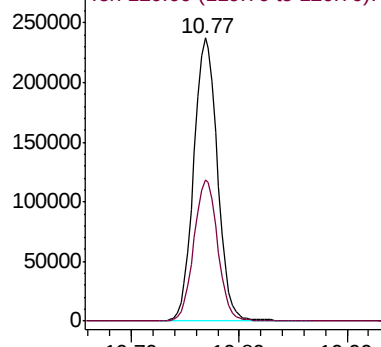
105 100

120 50.2 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 5.194 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029833.D

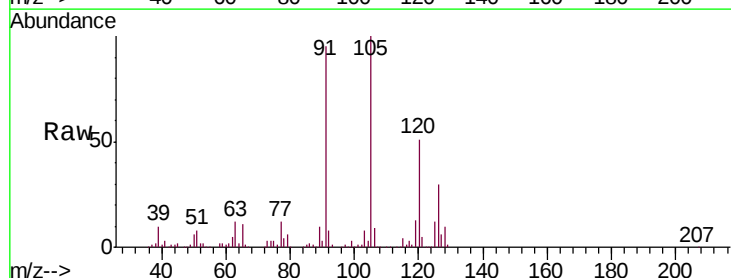
Acq: 06 Mar 2019 10:47

Tgt Ion:126 Resp: 108300

Ion Ratio Lower Upper

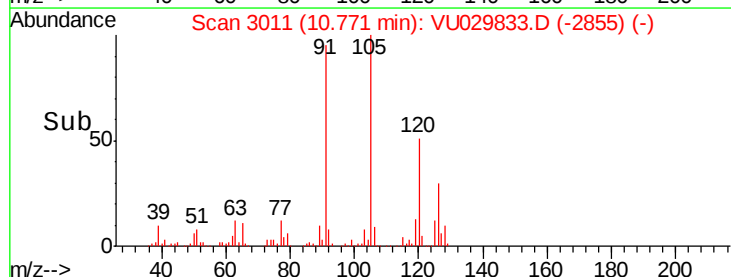
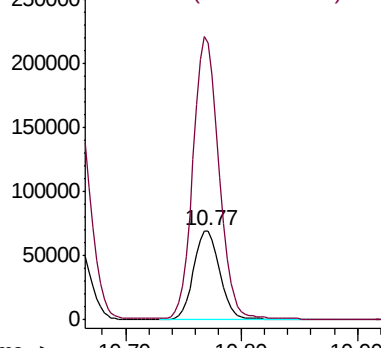
126 100

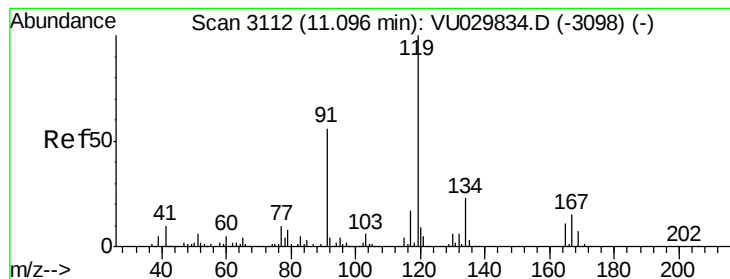
91 316.8 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 5.181 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

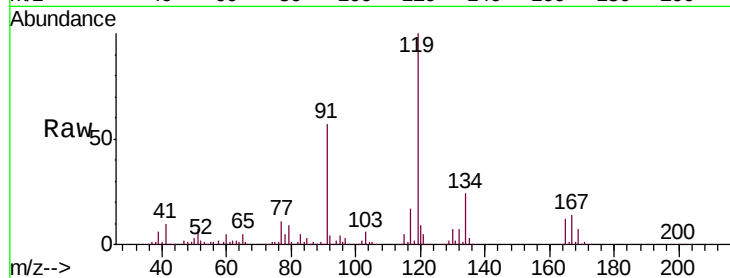
Tgt Ion:119 Resp: 354092

Ion Ratio Lower Upper

119 100

91 55.8 27.7 83.1

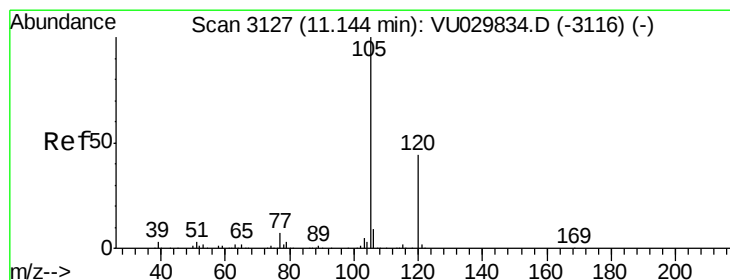
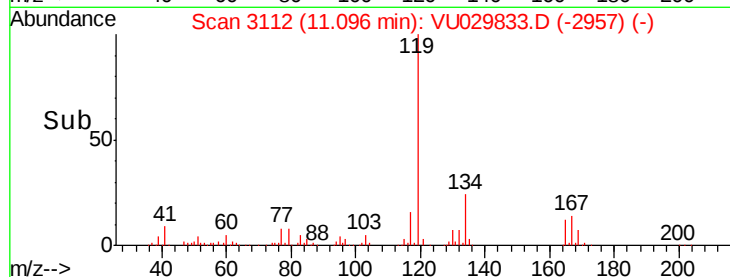
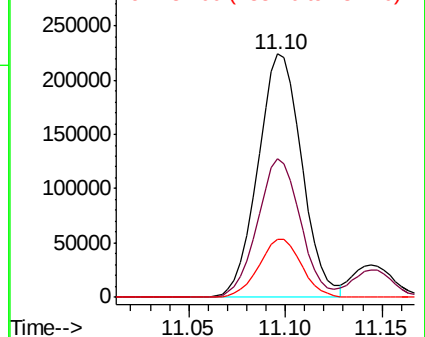
134 23.6 18.7 28.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 5.401 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. -0.00 min

Lab File: VU029833.D

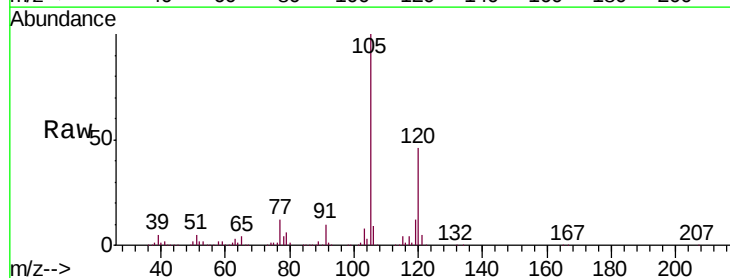
Acq: 06 Mar 2019 10:47

Tgt Ion:105 Resp: 376973

Ion Ratio Lower Upper

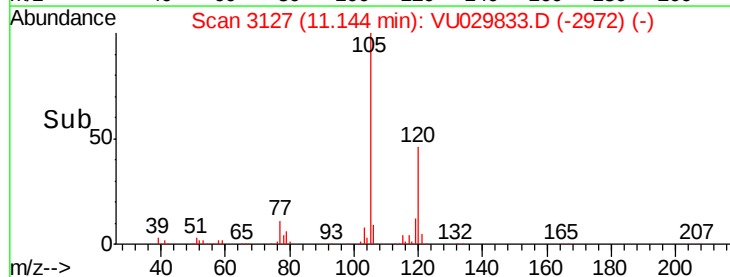
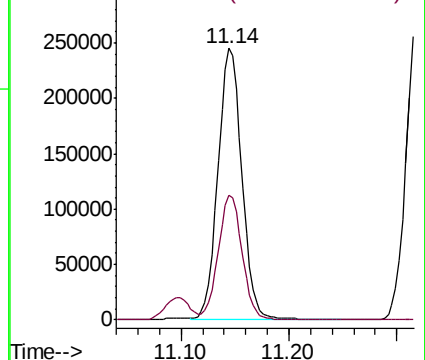
105 100

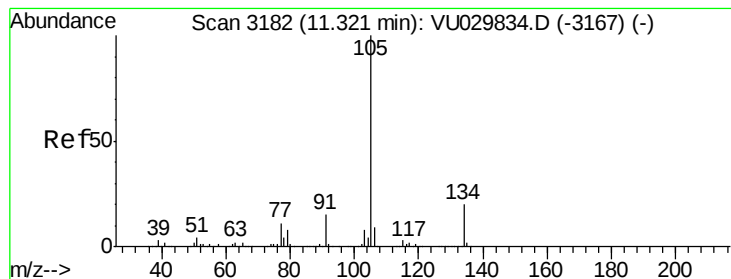
120 46.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 5.285 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

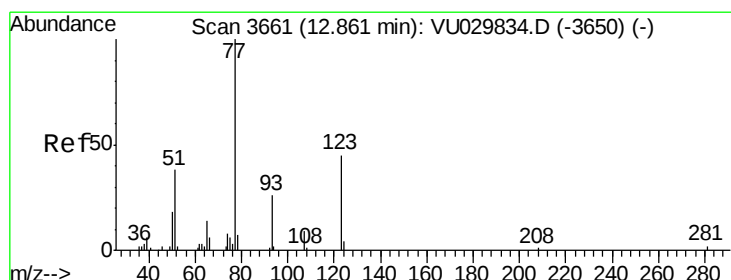
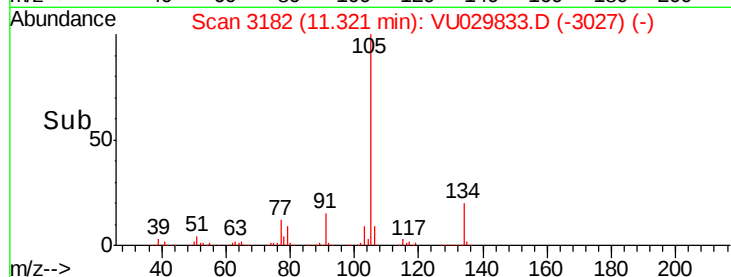
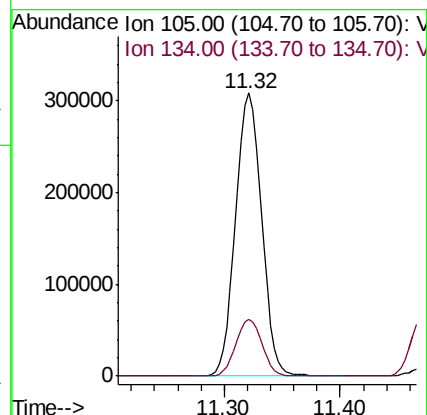
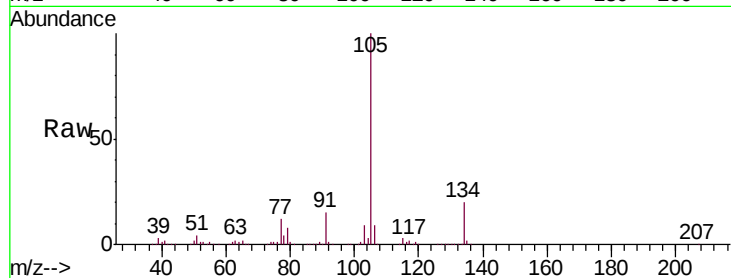
VSTDIC005

Tgt Ion:105 Resp: 478660

Ion Ratio Lower Upper

105 100

134 20.2 16.3 24.5



#80

Nitrobenzene

Concen: 21.397 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

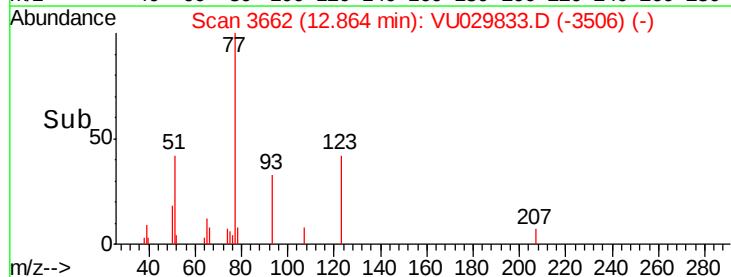
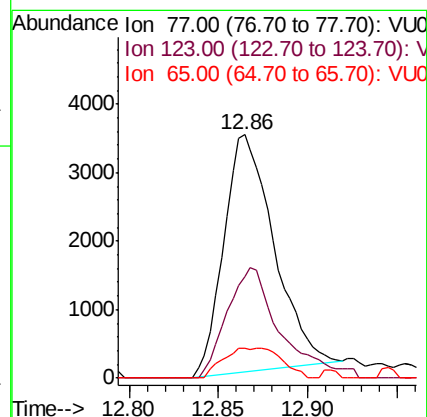
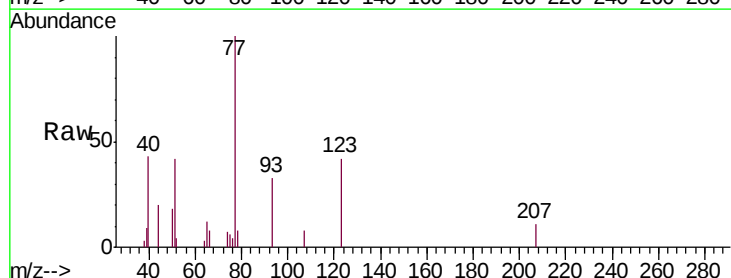
Tgt Ion: 77 Resp: 6813

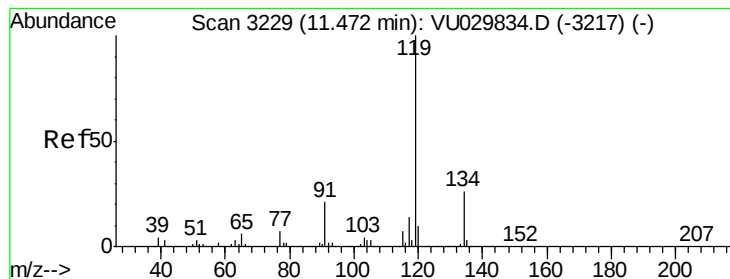
Ion Ratio Lower Upper

77 100

123 49.1 20.2 71.4

65 7.3 14.0 17.8#





#81

p-Isopropyltoluene

Concen: 5.306 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

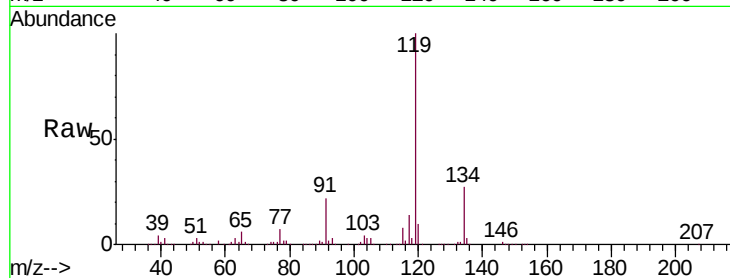
Tgt Ion:119 Resp: 402340

Ion Ratio Lower Upper

119 100

134 26.6 21.2 31.8

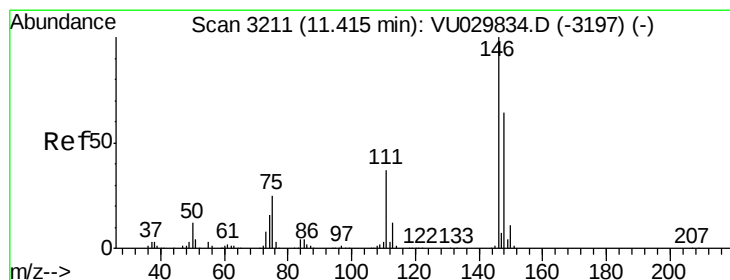
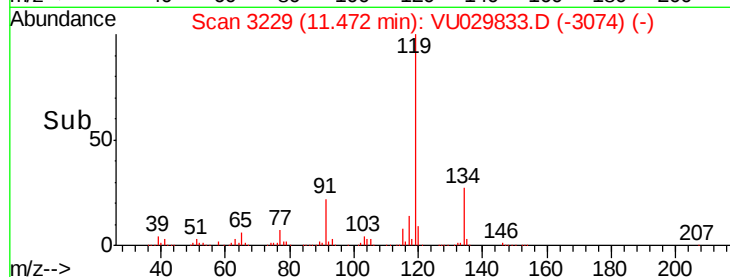
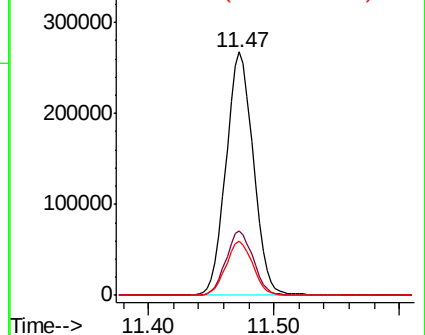
91 21.9 17.2 25.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 5.143 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

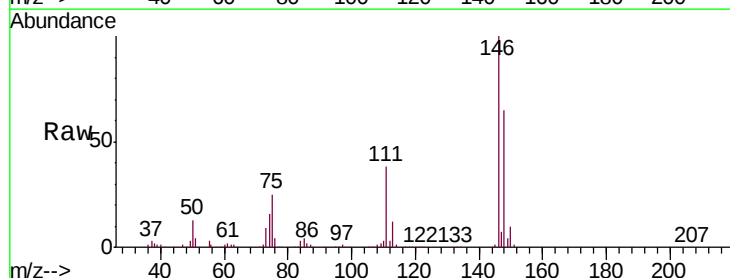
Tgt Ion:146 Resp: 221056

Ion Ratio Lower Upper

146 100

111 36.8 30.2 45.4

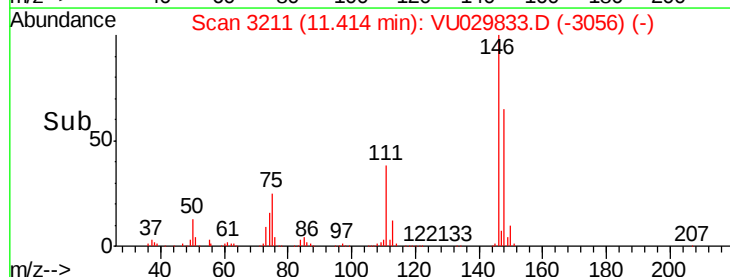
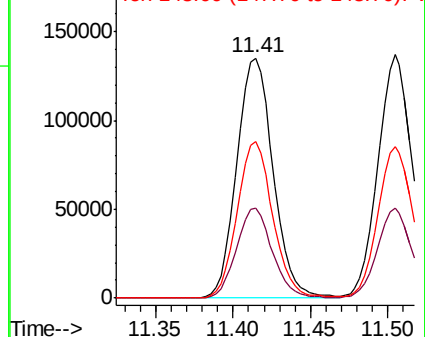
148 63.7 51.2 76.8

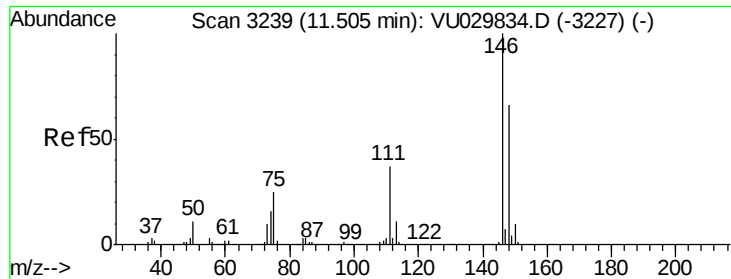


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

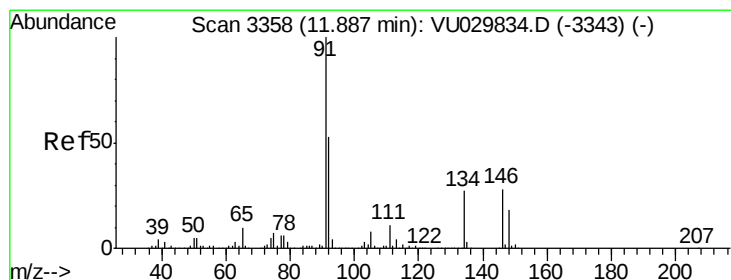
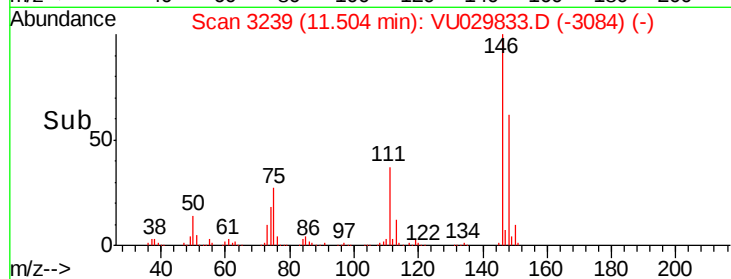
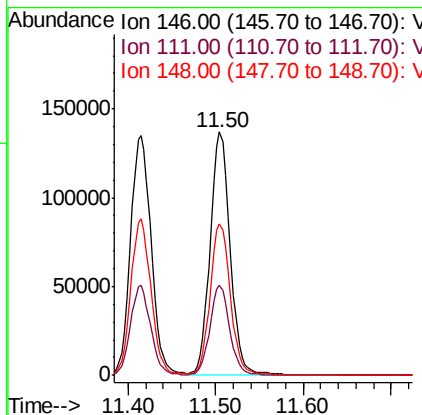
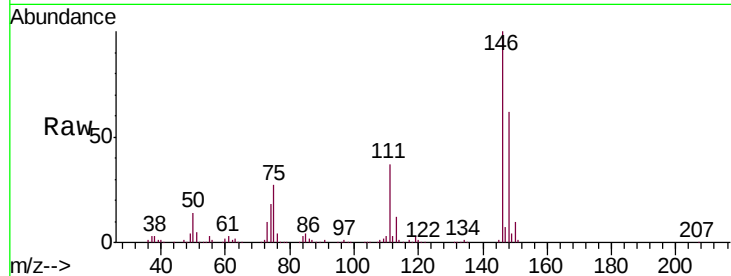




#83
 1,4-Dichlorobenzene
 Concen: 5.199 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

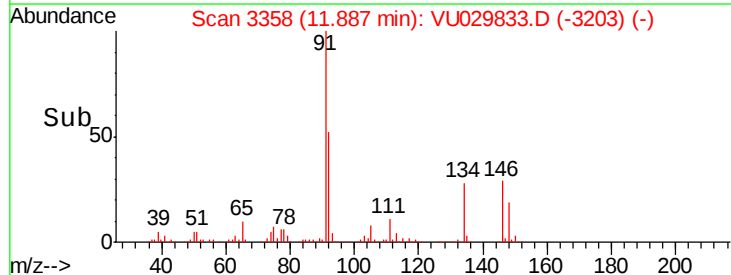
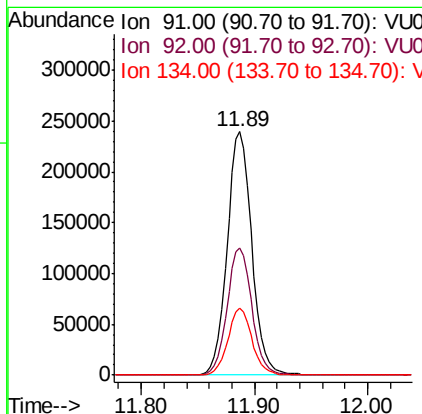
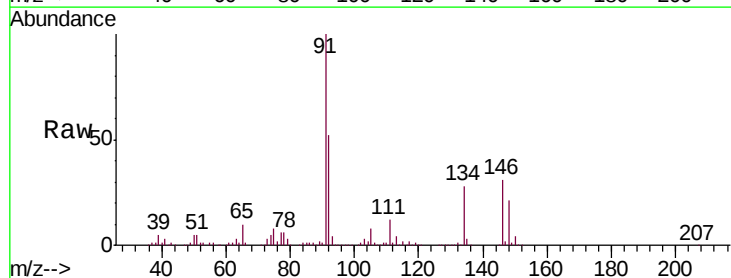
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

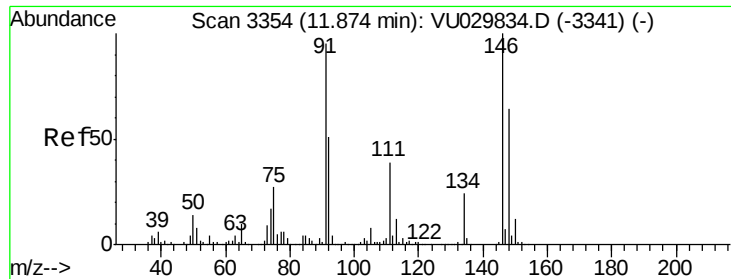
Tgt Ion: 146 Resp: 218337
 Ion Ratio Lower Upper
 146 100
 111 36.5 29.4 44.2
 148 62.5 51.7 77.5



#84
 n-Butylbenzene
 Concen: 5.250 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 91 Resp: 362714
 Ion Ratio Lower Upper
 91 100
 92 52.5 42.6 63.8
 134 27.0 21.7 32.5

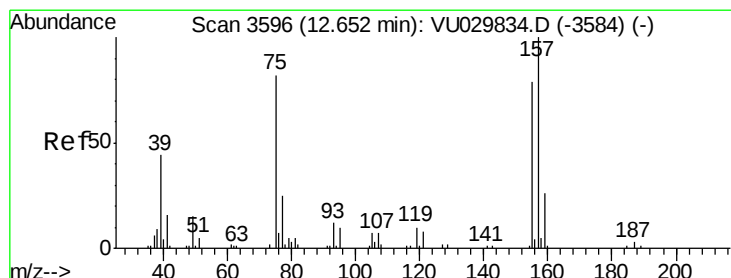
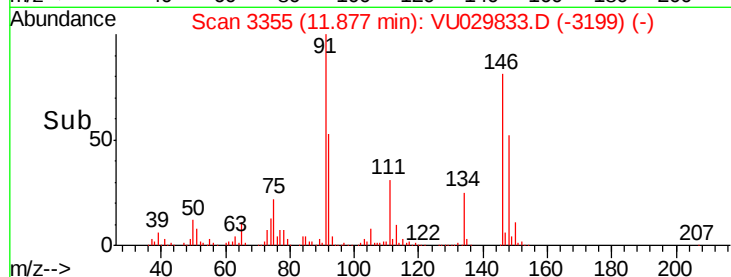
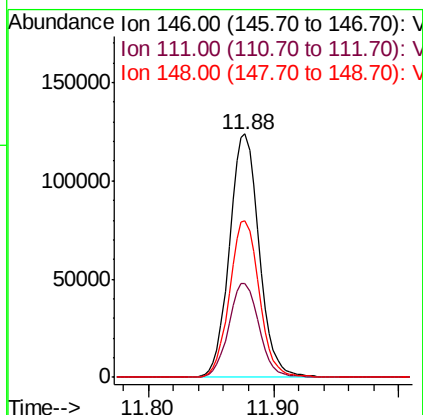
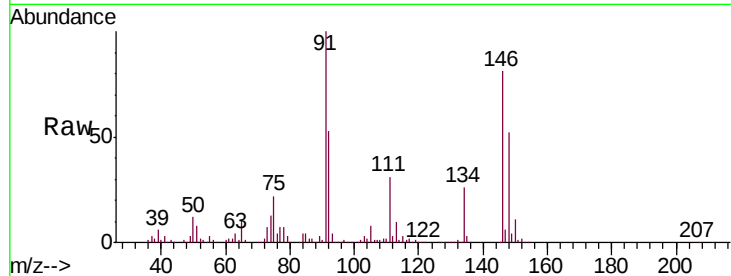




#85
 1,2-Dichlorobenzene
 Concen: 5.021 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

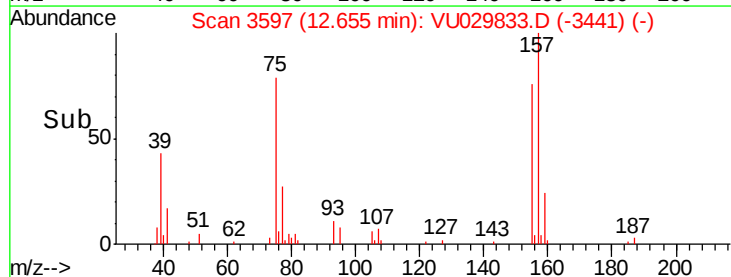
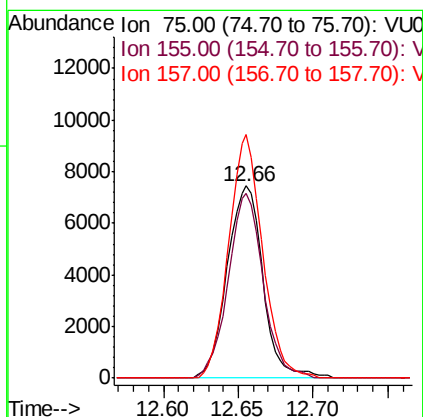
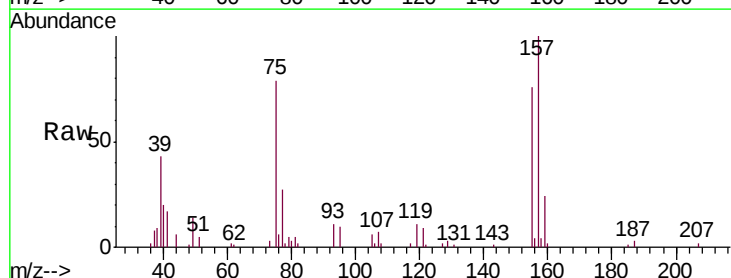
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

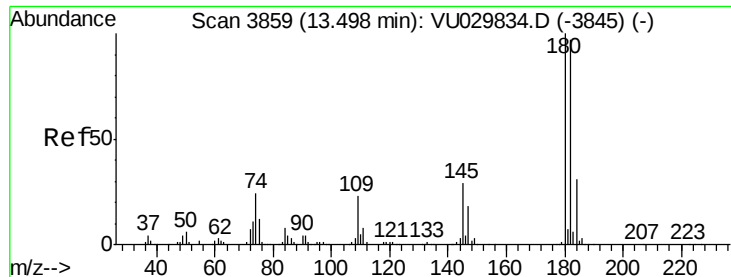
Tgt Ion: 146 Resp: 203492
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.6
 148 64.9 32.1 96.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.215 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029833.D
 Acq: 06 Mar 2019 10:47

Tgt Ion: 75 Resp: 12421
 Ion Ratio Lower Upper
 75 100
 155 93.6 76.6 114.8
 157 119.3 96.2 144.2





#87

1,2,4-Trichlorobenzene

Concen: 5.239 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

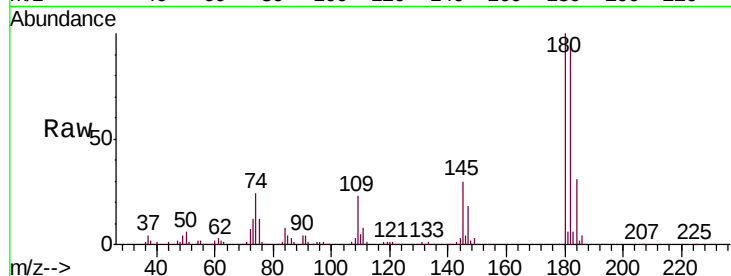
Tgt Ion:180 Resp: 135991

Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

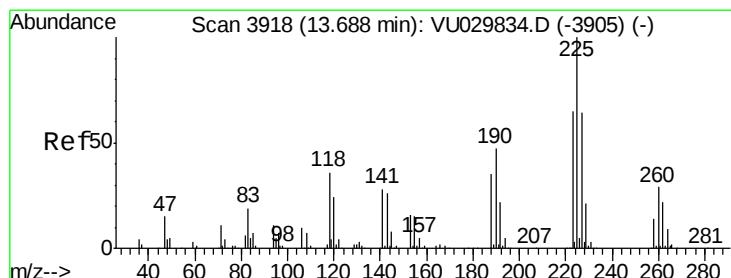
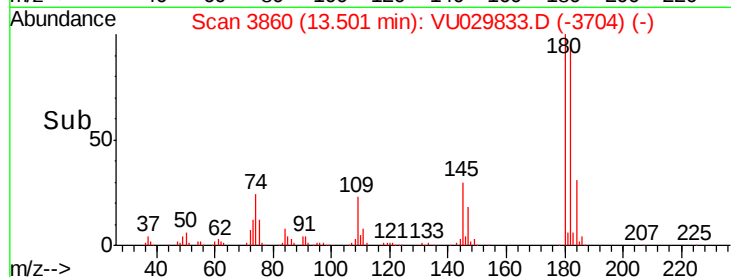
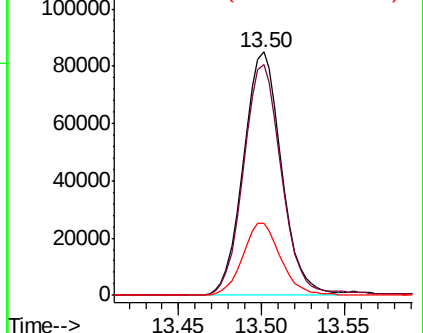
145 29.6 23.6 35.4



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 4.997 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

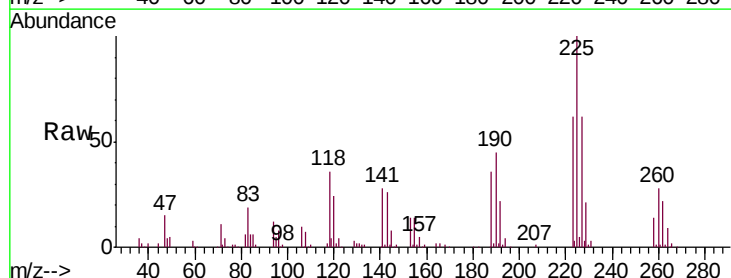
Tgt Ion:225 Resp: 81697

Ion Ratio Lower Upper

225 100

223 62.6 51.2 76.8

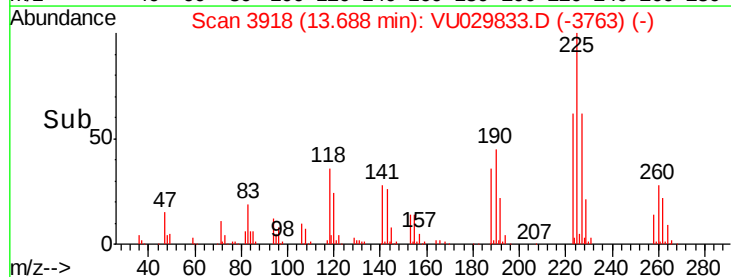
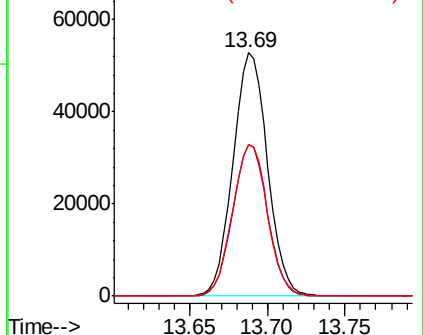
227 63.2 50.9 76.3

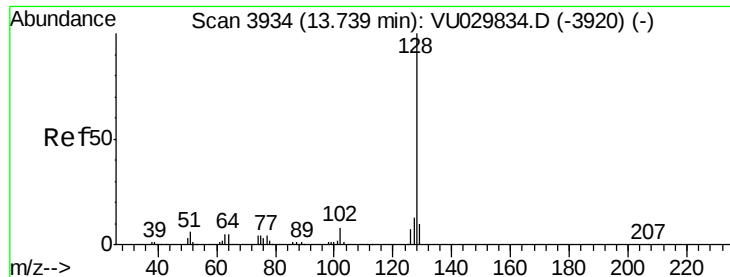


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 5.486 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

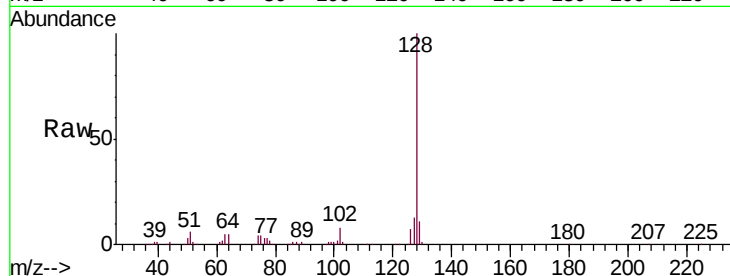
Tgt Ion:128 Resp: 227597

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

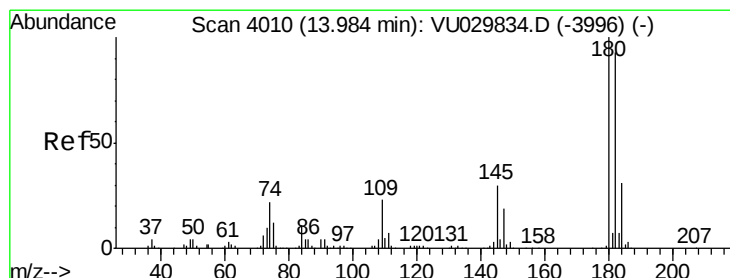
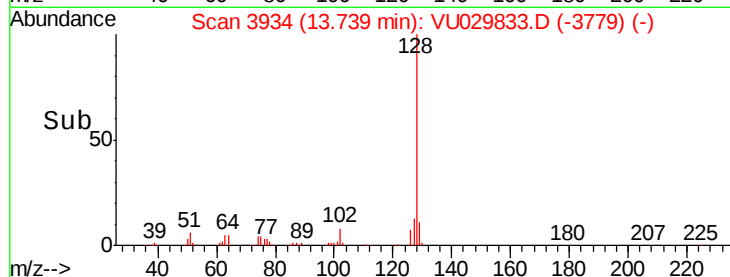
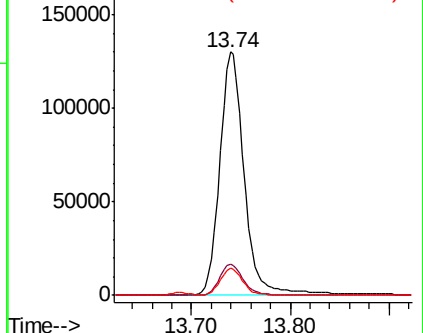
129 10.1 8.2 12.4



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



#90

1,2,3-Trichlorobenzene

Concen: 5.218 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029833.D

Acq: 06 Mar 2019 10:47

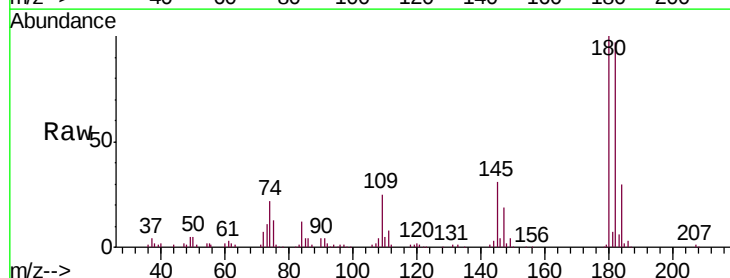
Tgt Ion:180 Resp: 127231

Ion Ratio Lower Upper

180 100

182 98.1 74.8 112.2

145 30.9 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

