

Data File : VU030000.D
Acq On : 12 Mar 2019 10:27
Operator : JC/SP
Sample : VSTDIC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Quant Time: Mar 13 04:04:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 13 04:00:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	59392	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	20526	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24836	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	21369	0.981 ug/l	99
3) Chloromethane	1.33	50	25290	1.023 ug/l	98
4) Vinyl Chloride	1.40	62	21747	1.027 ug/l	97
5) Bromomethane	1.63	94	13801	1.140 ug/l	100
6) Chloroethane	1.70	64	13554	1.108 ug/l	96
7) Trichlorofluoromethane	1.89	101	27594	1.004 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14969	1.002 ug/l	99
9) 1,1-Dichloroethene	2.28	96	15028	1.014 ug/l	94
10) Iodomethane	2.41	142	11772	0.917 ug/l	100
11) Allyl Chloride	2.59	41	20650	0.985 ug/l	94
12) Acrylonitrile	2.93	53	6846	2.133 ug/l	95
13) Acetone	2.32	43	14495	5.188 ug/l	99
14) Carbon Disulfide	2.48	76	52765	1.022 ug/l	99
15) Methylene Chloride	2.70	84	18485	1.048 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	17767	1.038 ug/l	98
17) 1,1-Dichloroethane	3.44	63	29801	1.030 ug/l	99
18) 2-Butanone	4.27	43	17744	4.587 ug/l	97
19) Cyclohexane	4.98	56	21442	0.868 ug/l	90
20) Methylcyclohexane	6.41	83	24977	0.913 ug/l	96
21) 2,2-Dichloropropane	4.22	77	25533	1.050 ug/l	96
22) cis-1,2-Dichloroethene	4.22	96	19605	1.031 ug/l	97
23) Diethyl Ether	2.10	59	10826	0.978 ug/l	93
24) tert-Butyl Alcohol	2.83	59	12202	10.298 ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	38439	1.027 ug/l	99
26) Bromochloromethane	4.55	128	8484	1.019 ug/l	97
27) Chloroform	4.67	83	31832	1.046 ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	25372	1.013 ug/l	99
29) 1,1-Dichloropropene	5.13	75	23288	1.021 ug/l	96
30) Carbon Tetrachloride	5.13	117	22467	1.004 ug/l	96
31) Isopropyl Ether	3.58	45	40793	1.002 ug/l	98
32) Ethyl-t-butyl ether	4.07	59	39121	0.997 ug/l	97
33) Tert-Amyl methyl ether	5.58	73	35644	0.993 ug/l	98
34) Propionitrile	4.34	54	5723	5.215 ug/l #	92
35) Benzene	5.39	78	67474	1.011 ug/l	100
36) 1,2-Dichloroethane	5.40	62	18787	1.053 ug/l	97
37) Trichloroethene	6.18	130	19193	0.999 ug/l	97
38) 1,2-Dichloropropane	6.43	63	17791	1.049 ug/l	99
39) Methacrylonitrile	4.55	41	4700	0.999 ug/l #	88
40) Methyl acrylate	4.43	55	6665	0.897 ug/l #	93
41) Tetrahydrofuran	4.65	42	5775	2.220 ug/l	94
42) 1-Chlorobutane	5.06	56	29904	1.001 ug/l	96

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Wed Mar 13 04:00:32 2019

Response via : Initial Calibration

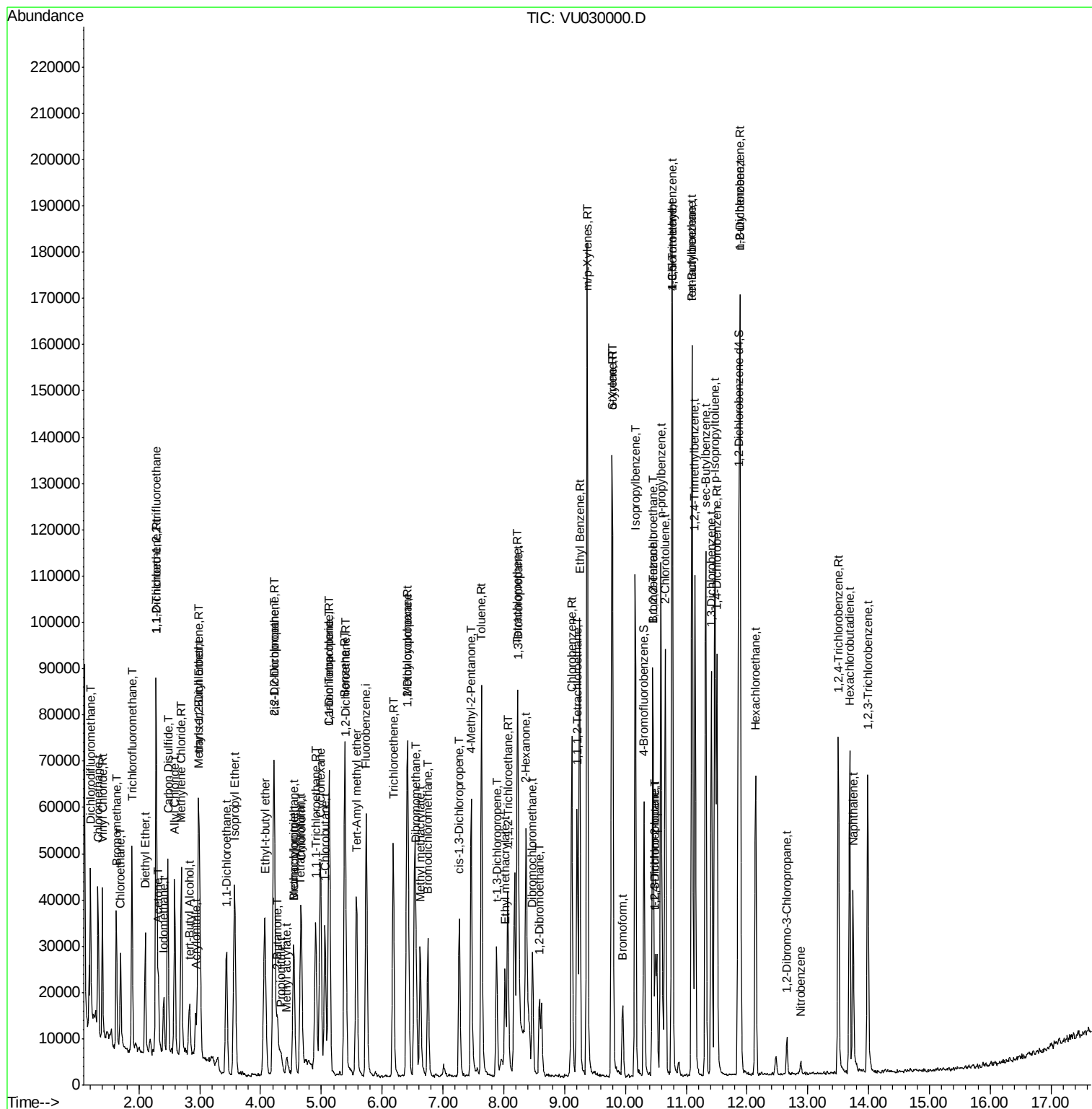
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	9165	1.045	ug/l	97
44) Bromodichloromethane	6.76	83	21282	1.017	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	41505	4.788	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	9887	2.935	ug/l #	76
47) Methyl methacrylate	6.63	69	14008	1.906	ug/l	95
48) Ethyl methacrylate	8.02	69	12708	0.917	ug/l	98
49) Toluene	7.63	92	38440	0.956	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	17897	0.955	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	22492	0.955	ug/l	97
52) 1,1,2-Trichloroethane	8.06	97	13131	1.059	ug/l	97
53) 1,3-Dichloropropane	8.24	76	21066	1.016	ug/l	99
54) 2-Hexanone	8.37	43	29160	4.669	ug/l	99
55) Dibromochloromethane	8.47	129	14859	0.996	ug/l	96
56) 1,2-Dibromoethane	8.59	107	11940	1.000	ug/l	99
58) Tetrachloroethene	8.22	164	17130	0.982	ug/l	97
59) Chlorobenzene	9.12	112	45176	0.984	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	15900	0.980	ug/l	97
61) Pentachloroethane	11.10	117	13013	1.039	ug/l	90
62) Hexachloroethane	12.14	117	12188	0.966	ug/l	98
63) Ethyl Benzene	9.25	91	72116	0.956	ug/l	99
64) m/p-Xylenes	9.37	106	55939	1.885	ug/l	99
65) o-Xylene	9.78	106	28444	0.977	ug/l	96
66) Styrene	9.79	104	44823	0.940	ug/l	100
67) Bromoform	9.96	173	7974	0.935	ug/l	99
69) Isopropylbenzene	10.16	105	71638	0.944	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	15333	1.003	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	9887	0.871	ug/l #	92
72) Bromobenzene	10.45	156	19191	0.964	ug/l	98
73) n-propylbenzene	10.58	120	19509	0.906	ug/l	97
74) 2-Chlorotoluene	10.66	126	18256	0.968	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	59332	0.918	ug/l	98
76) 4-Chlorotoluene	10.77	126	18393	0.956	ug/l	96
77) tert-Butylbenzene	11.10	119	59516	0.940	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	60716	0.923	ug/l	99
79) sec-Butylbenzene	11.32	105	80350	0.948	ug/l	98
80) Nitrobenzene	12.88	77	666	2.333	ug/l #	99
81) p-Isopropyltoluene	11.47	119	65598	0.922	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	40493	1.007	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	40208	0.995	ug/l	98
84) n-Butylbenzene	11.89	91	60280	0.907	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	37703	1.008	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2029	0.921	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	25680	0.951	ug/l	98
88) Hexachlorobutadiene	13.69	225	14003	0.957	ug/l	98
89) Naphthalene	13.74	128	35934	0.849	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	23499	0.961	ug/l	99

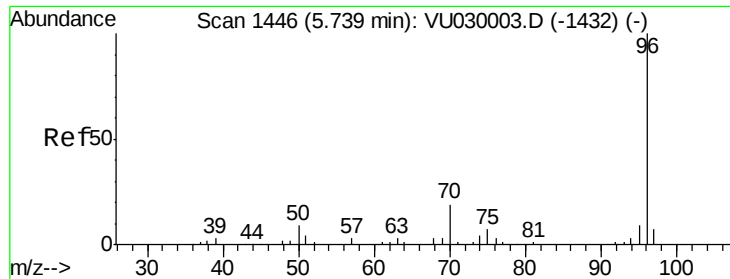
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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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: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 59392

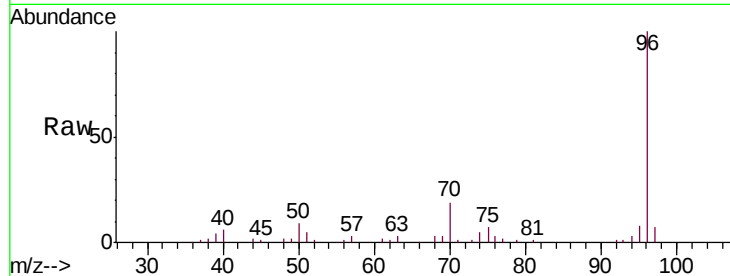
Ion Ratio Lower Upper

96 100

70 18.6 15.5 23.3

95 9.2 6.6 9.8

97 6.4 0.0 0.0#

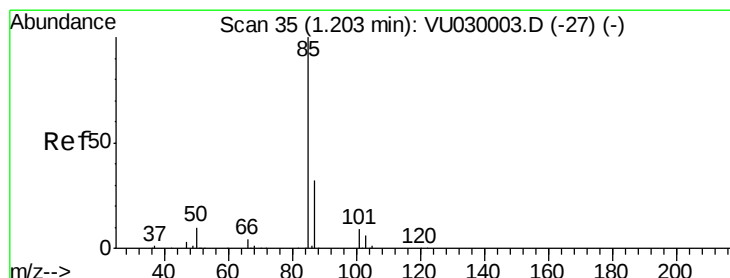
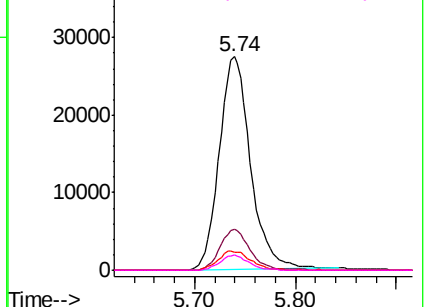
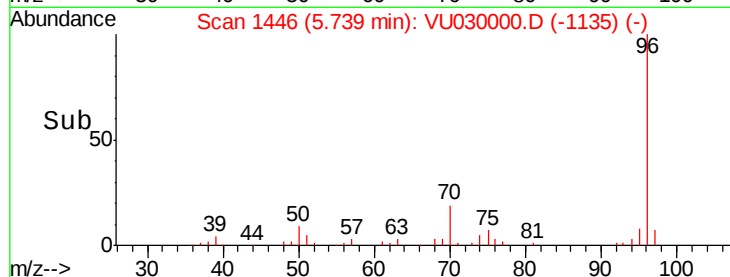


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.981 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030000.D

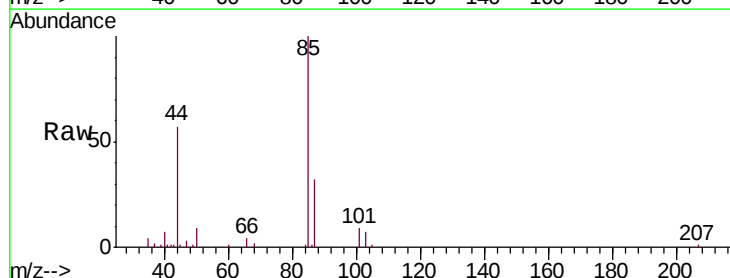
Acq: 12 Mar 2019 10:27

Tgt Ion: 85 Resp: 21369

Ion Ratio Lower Upper

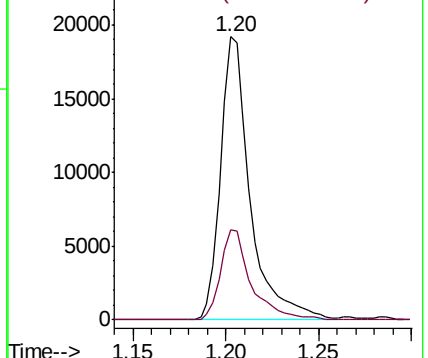
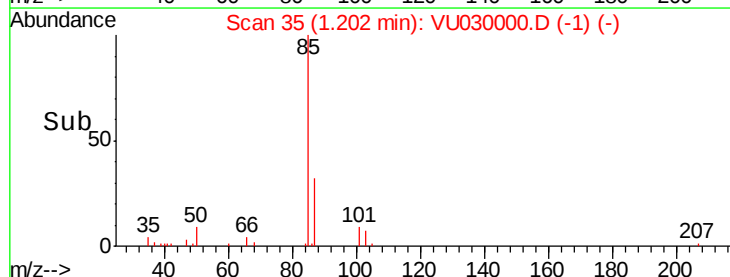
85 100

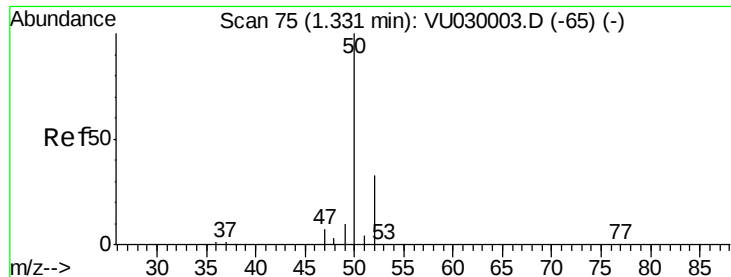
87 32.0 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.023 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

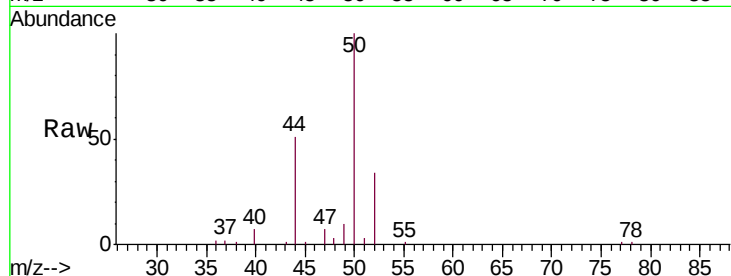
VSTDIC001

Tgt Ion: 50 Resp: 25290

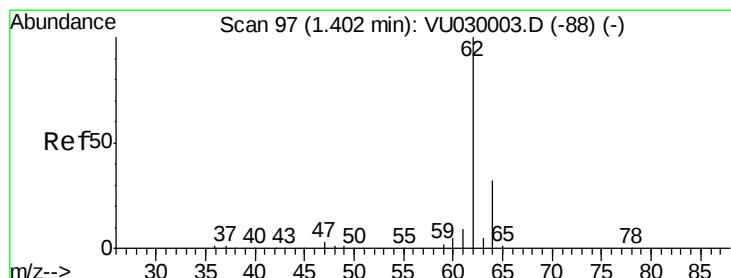
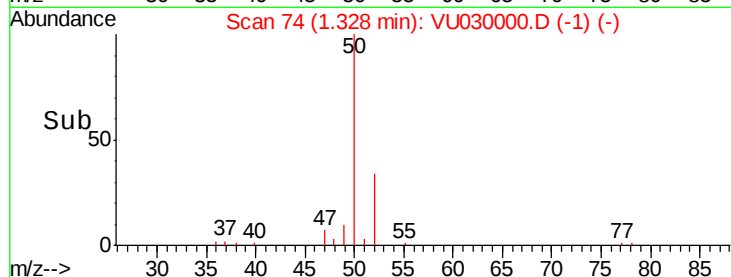
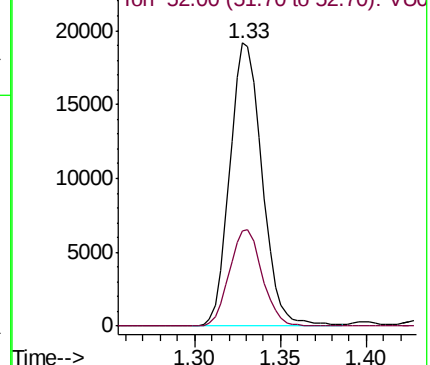
Ion Ratio Lower Upper

50 100

52 33.9 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU030000.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.027 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030000.D

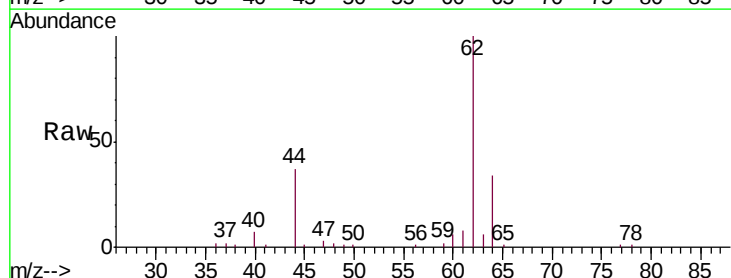
Acq: 12 Mar 2019 10:27

Tgt Ion: 62 Resp: 21747

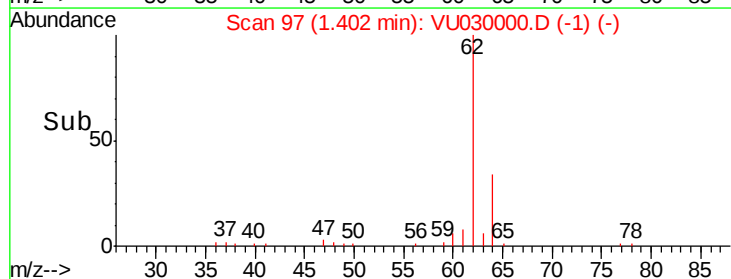
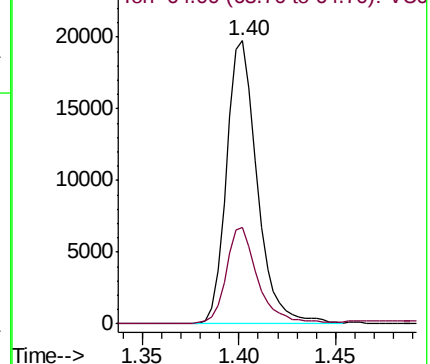
Ion Ratio Lower Upper

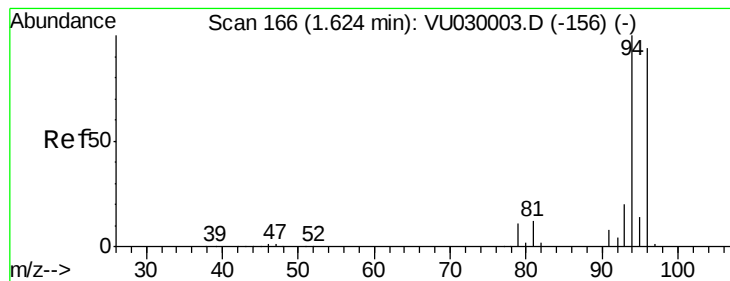
62 100

64 34.0 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU030000.D (-1) (-)





#5

Bromomethane

Concen: 1.140 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

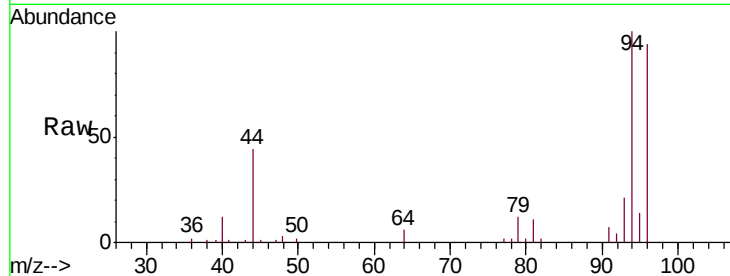
VSTDIC001

Tgt Ion: 94 Resp: 13801

Ion Ratio Lower Upper

94 100

96 93.9 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VU030003.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030003.D (-156) (-)

12000

10000

8000

6000

4000

2000

0

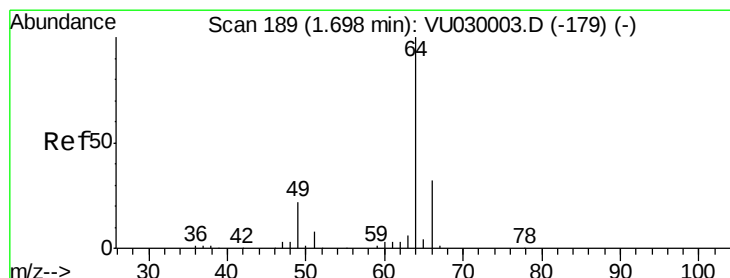
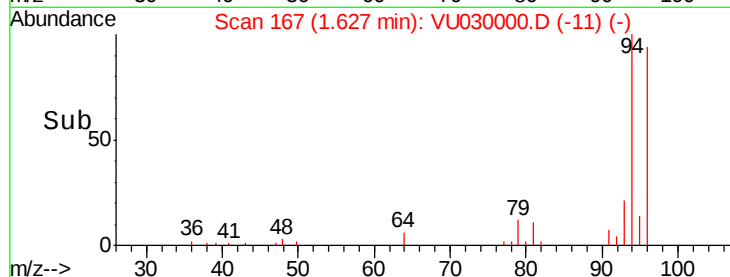
1.60

1.63

1.65

1.70

Time-->



#6

Chloroethane

Concen: 1.108 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030000.D

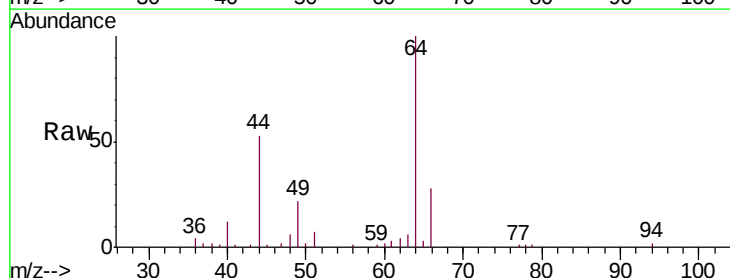
Acq: 12 Mar 2019 10:27

Tgt Ion: 64 Resp: 13554

Ion Ratio Lower Upper

64 100

66 30.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030003.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030003.D (-179) (-)

12000

10000

8000

6000

4000

2000

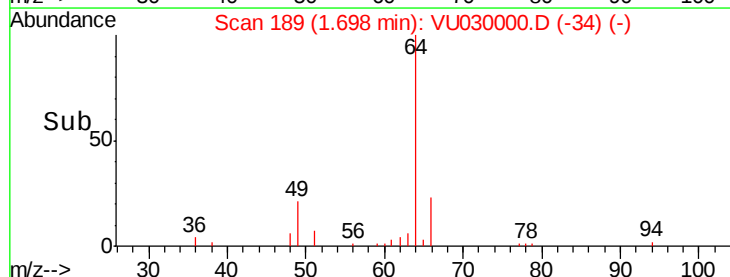
0

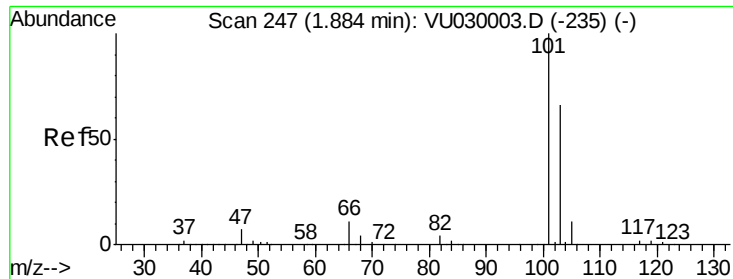
1.65

1.70

1.75

Time-->





#7

Trichlorofluoromethane

Concen: 1.004 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

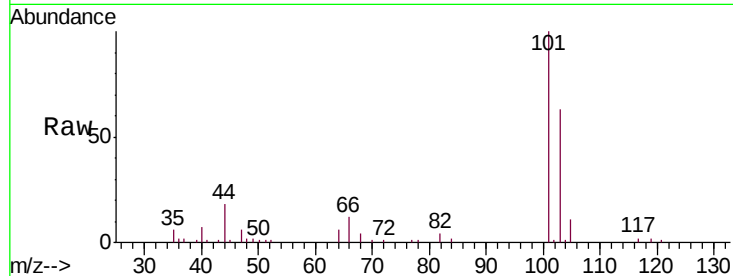
VSTDIC001

Tgt Ion:101 Resp: 27594

Ion Ratio Lower Upper

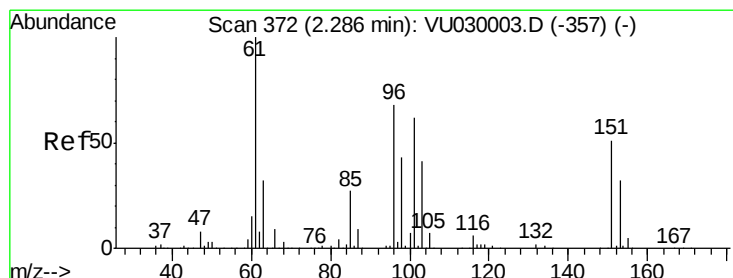
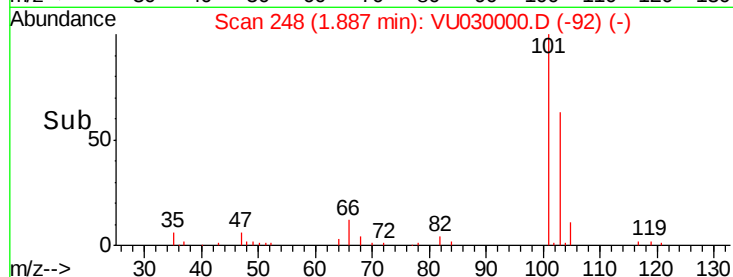
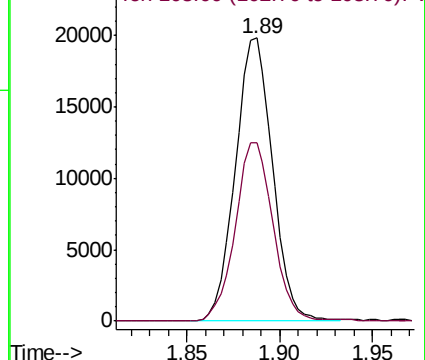
101 100

103 63.1 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 1.002 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

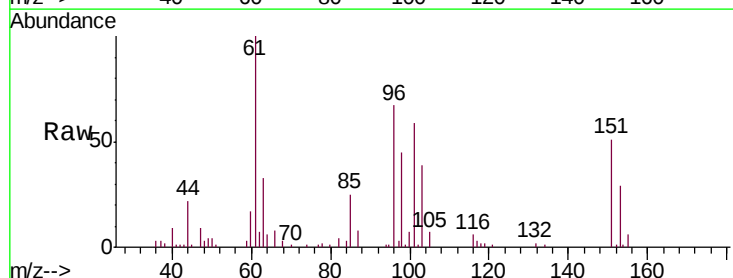
Tgt Ion:101 Resp: 14969

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

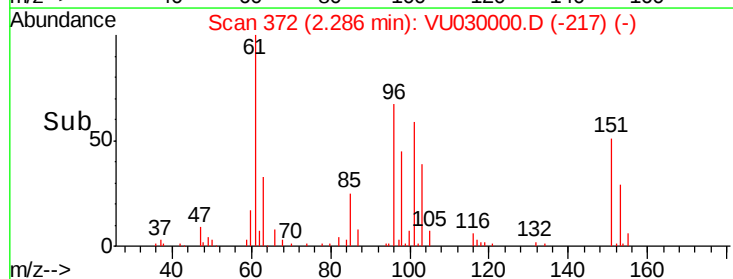
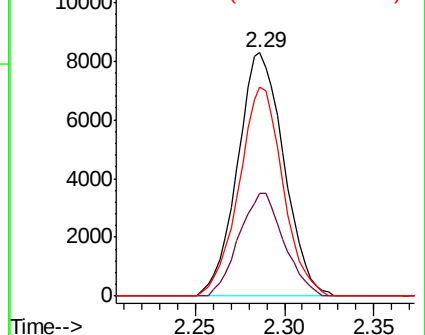
151 81.4 65.0 97.4

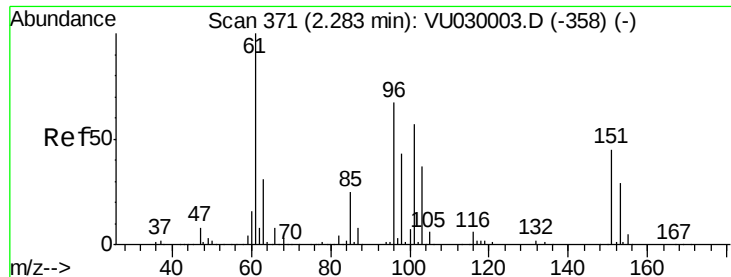


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.014 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

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MSVOA_U

ClientSampleId :

VSTDIC001

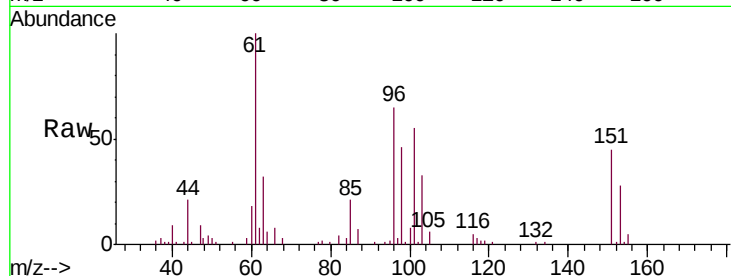
Tgt Ion: 96 Resp: 15028

Ion Ratio Lower Upper

96 100

61 155.0 0.0 447.0

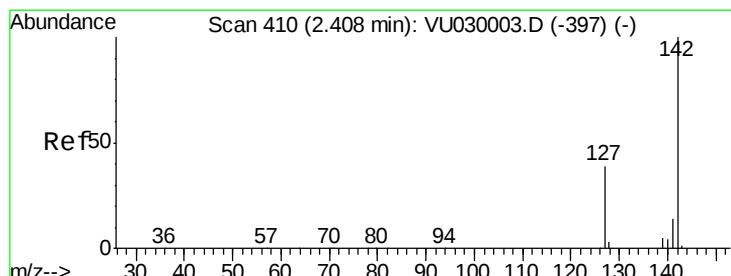
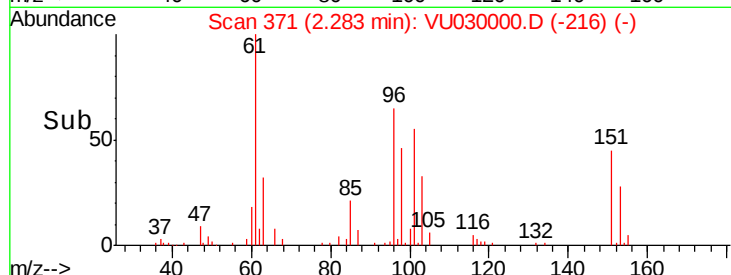
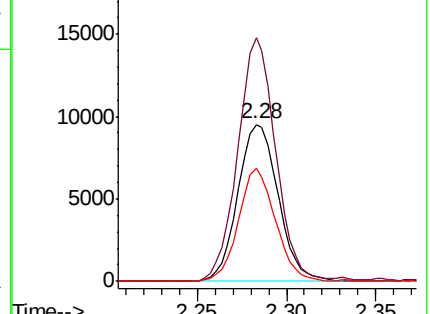
98 71.8 0.0 129.2



Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU030003.D (-358) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-358) (-)



#10

Iodomethane

Concen: 0.917 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU030000.D

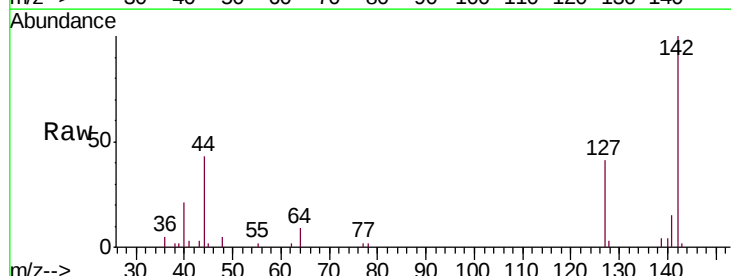
Acq: 12 Mar 2019 10:27

Tgt Ion: 142 Resp: 11772

Ion Ratio Lower Upper

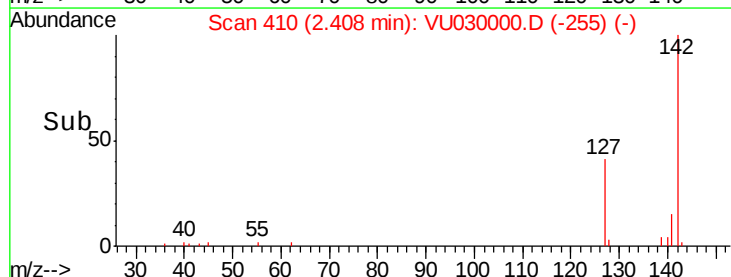
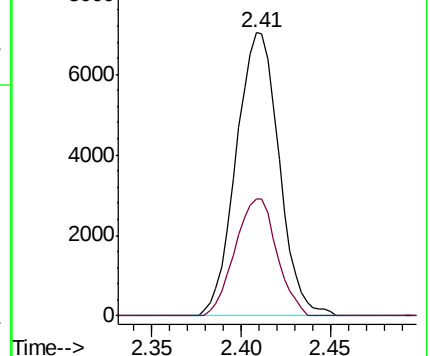
142 100

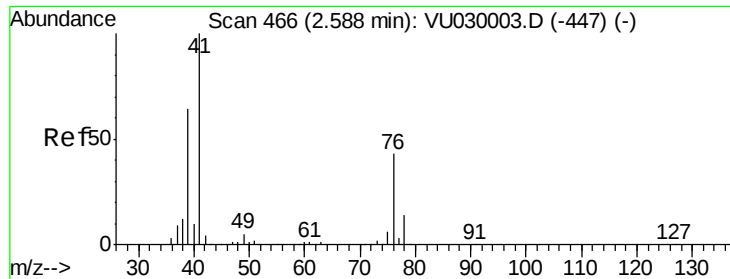
127 40.1 32.2 48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030003.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-397) (-)

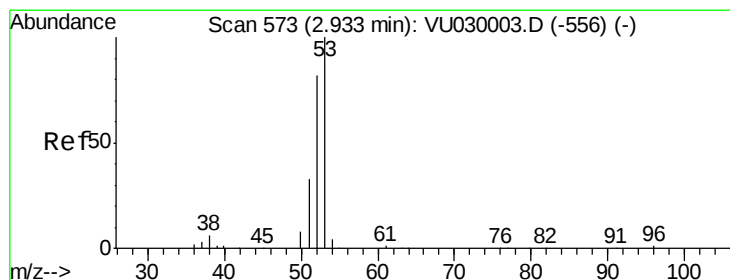
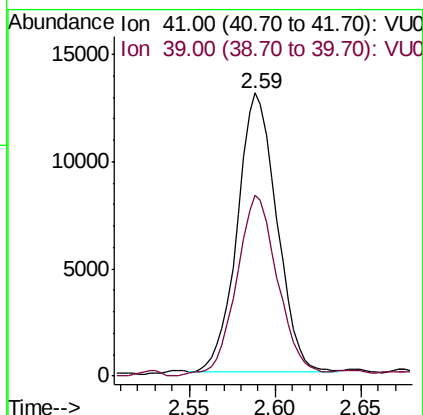
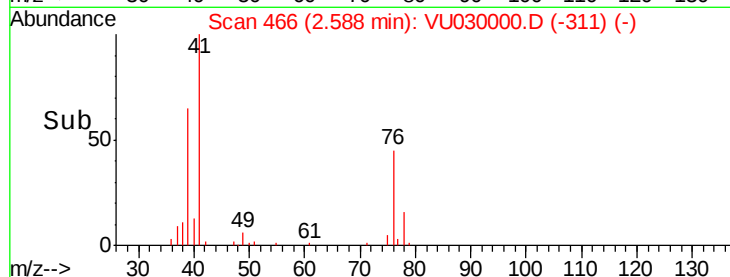
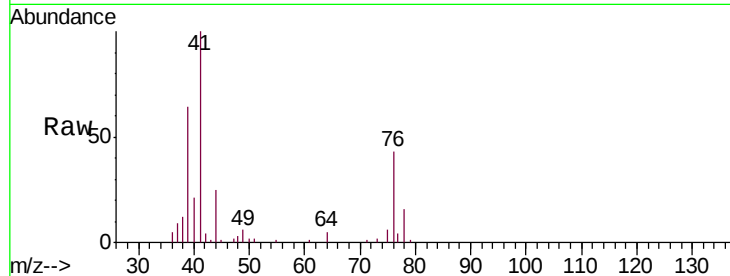




#11
 Allyl Chloride
 Concen: 0.985 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

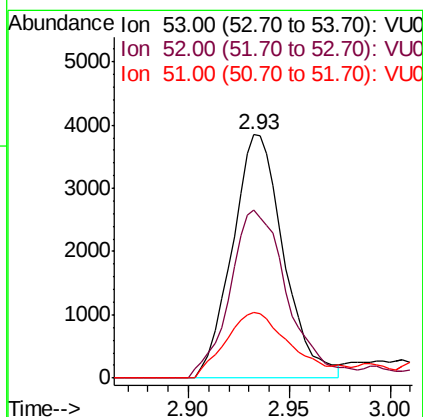
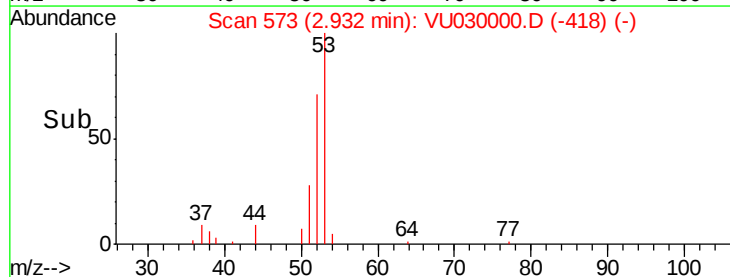
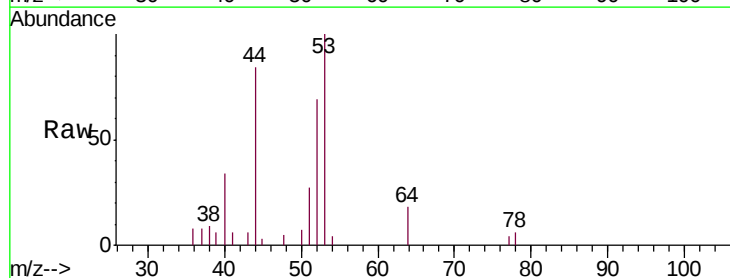
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

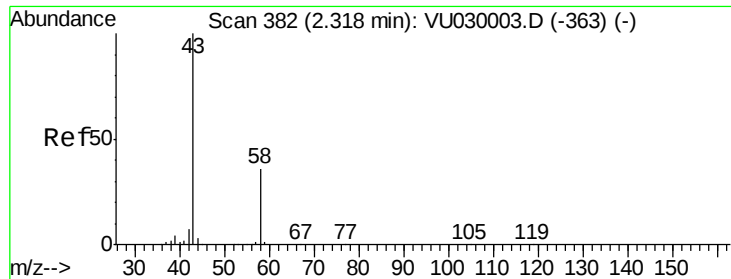
Tgt Ion: 41 Resp: 20650
 Ion Ratio Lower Upper
 41 100
 39 68.5 50.8 76.2



#12
 Acrylonitrile
 Concen: 2.133 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 53 Resp: 6846
 Ion Ratio Lower Upper
 53 100
 52 77.2 66.3 99.5
 51 35.3 26.9 40.3





#13

Acetone

Concen: 5.188 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

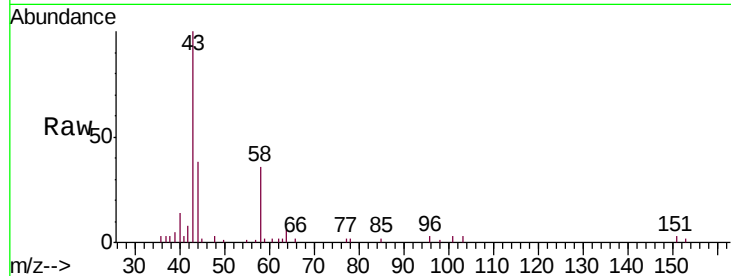
VSTDIC001

Tgt Ion: 43 Resp: 14495

Ion Ratio Lower Upper

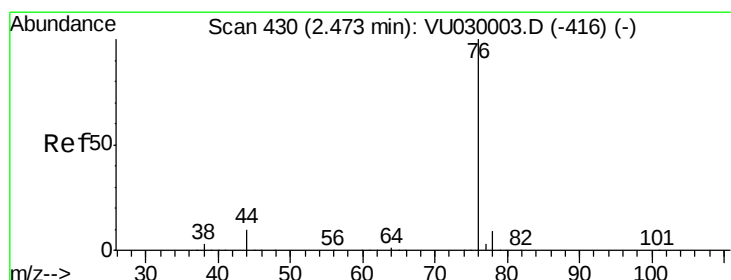
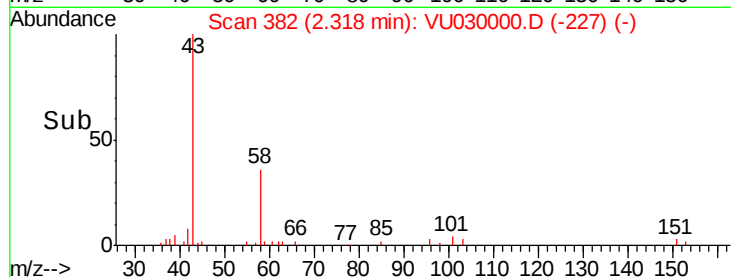
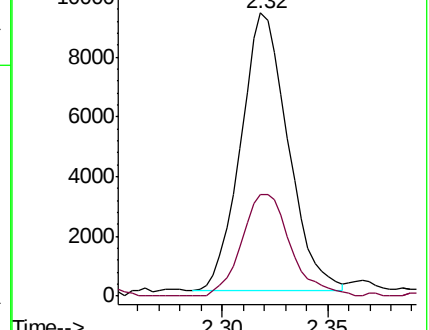
43 100

58 36.6 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-363) (-)



#14

Carbon Disulfide

Concen: 1.022 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030000.D

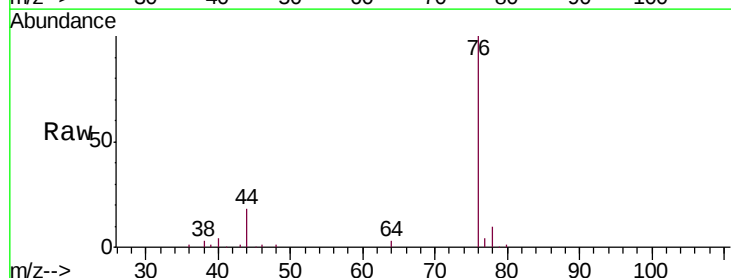
Acq: 12 Mar 2019 10:27

Tgt Ion: 76 Resp: 52765

Ion Ratio Lower Upper

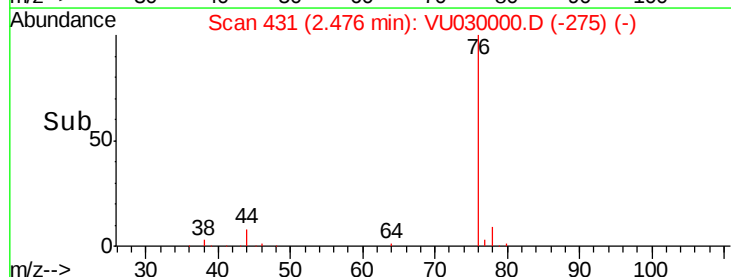
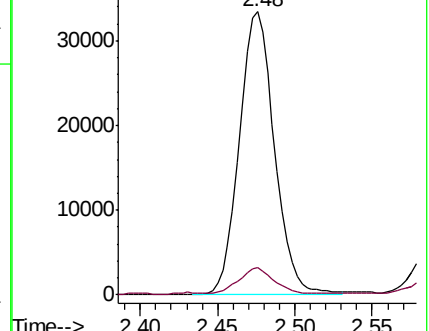
76 100

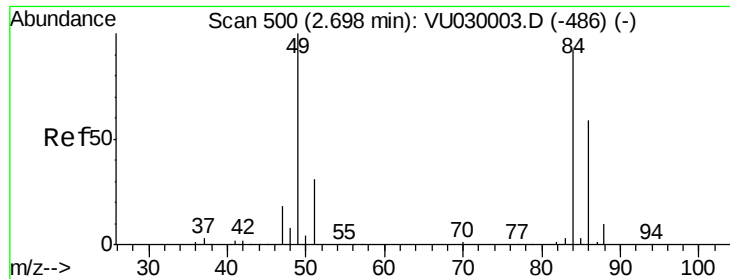
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-416) (-)

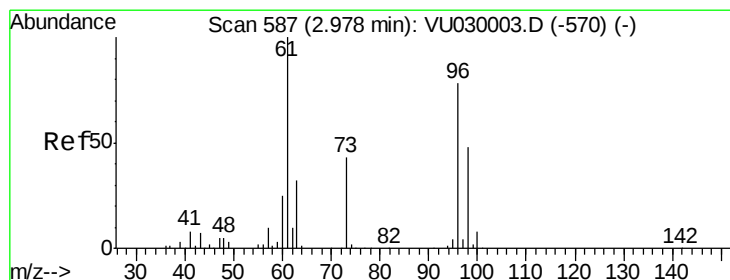
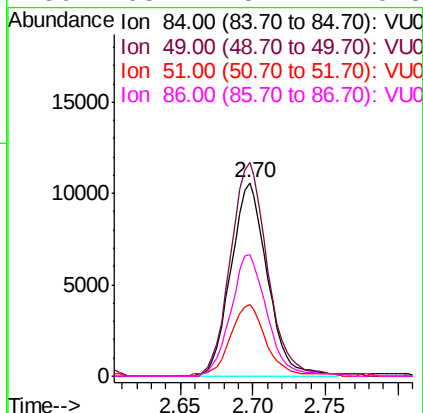
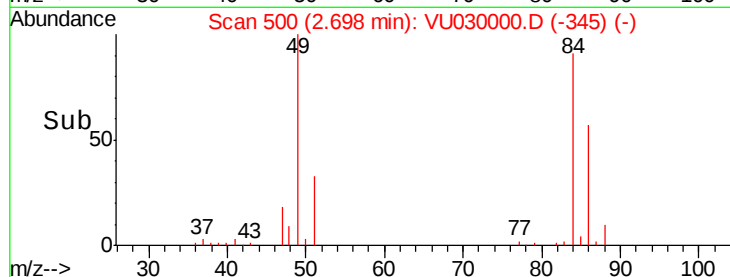
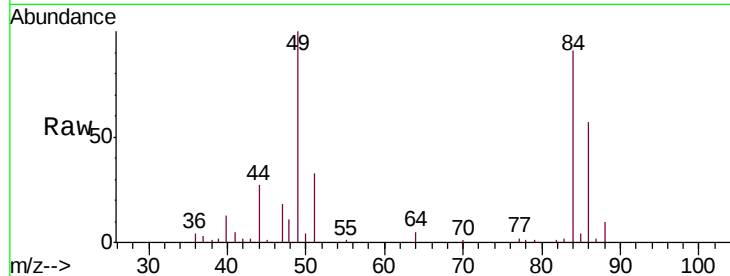




#15
Methylene Chloride
Concen: 1.048 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

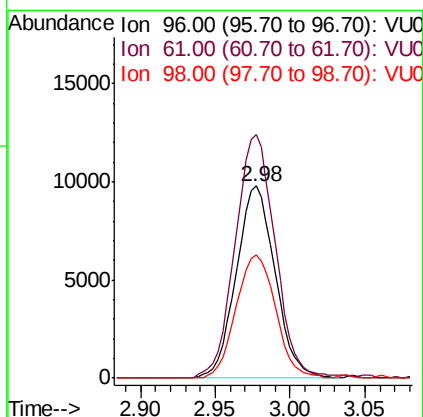
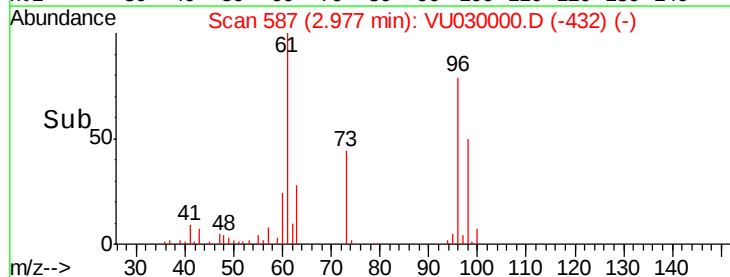
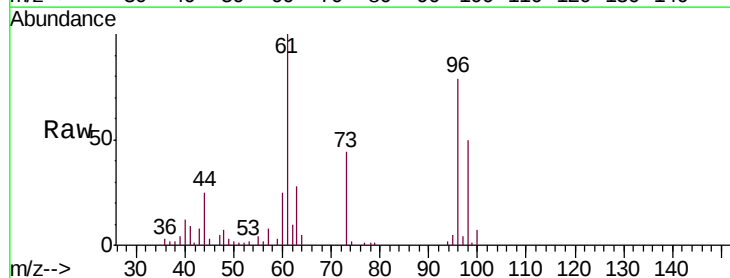
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

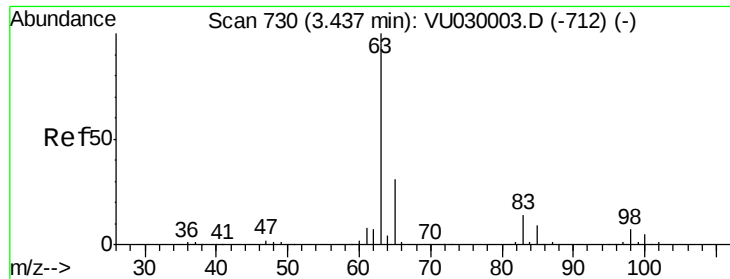
Tgt Ion:	84	Resp:	18485
Ion	Ratio	Lower	Upper
84	100		
49	110.4	86.5	129.7
51	36.7	0.0	66.8
86	63.1	51.2	76.8



#16
trans-1,2-Dichloroethene
Concen: 1.038 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:	96	Resp:	17767
Ion	Ratio	Lower	Upper
96	100		
61	126.6	103.0	154.6
98	63.9	49.5	74.3

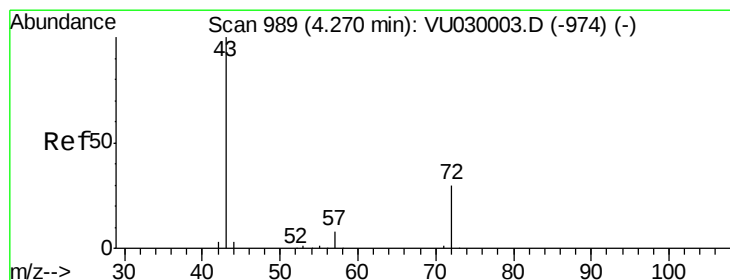
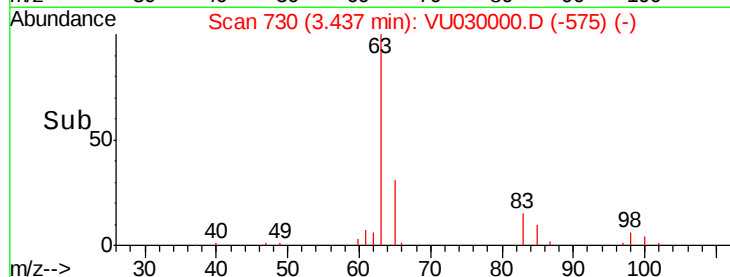
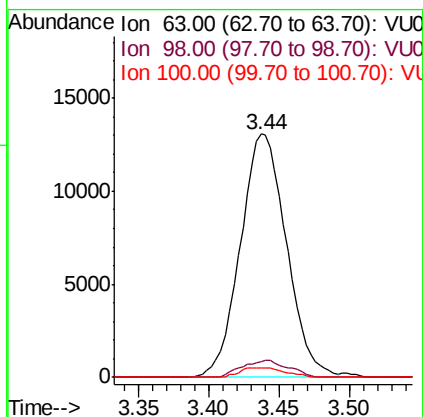
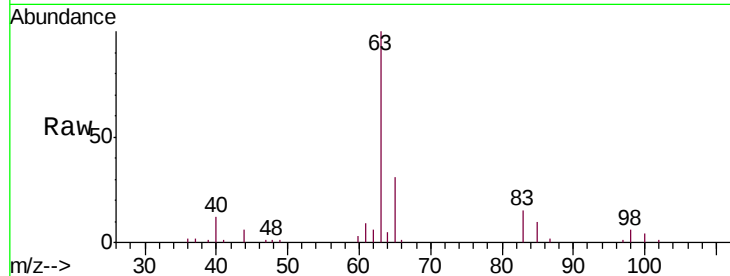




#17
 1,1-Dichloroethane
 Concen: 1.030 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

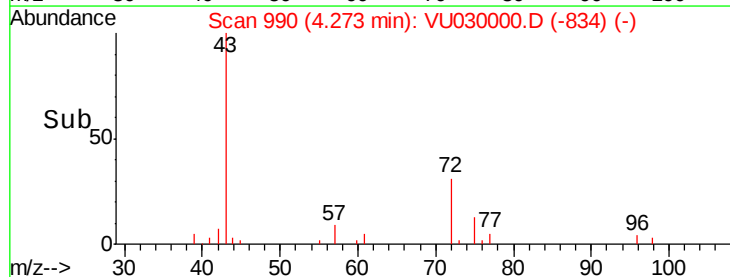
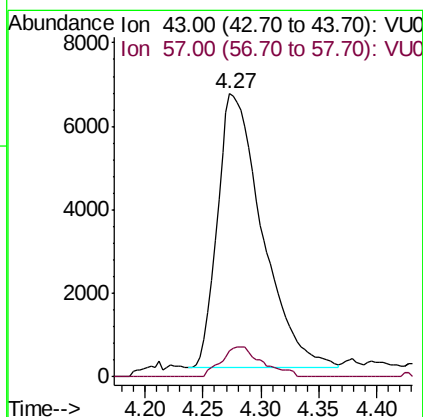
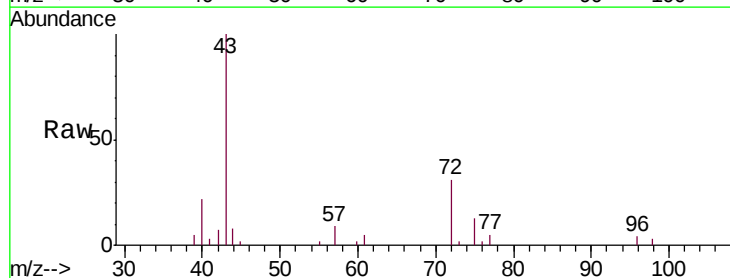
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

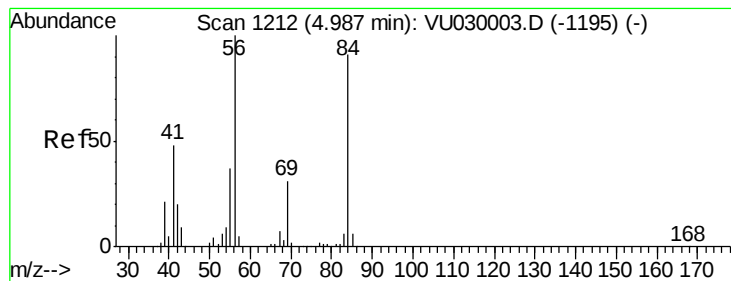
Tgt Ion: 63 Resp: 29801
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.0 2.3 6.8



#18
 2-Butanone
 Concen: 4.587 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 43 Resp: 17744
 Ion Ratio Lower Upper
 43 100
 57 9.3 0.0 16.8





#19

Cyclohexane

Concen: 0.868 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

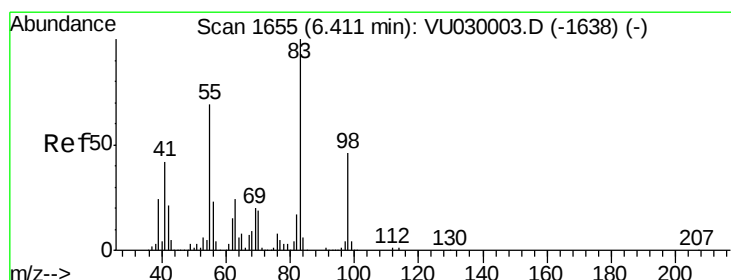
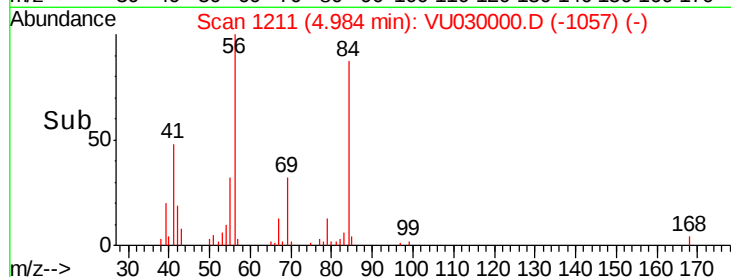
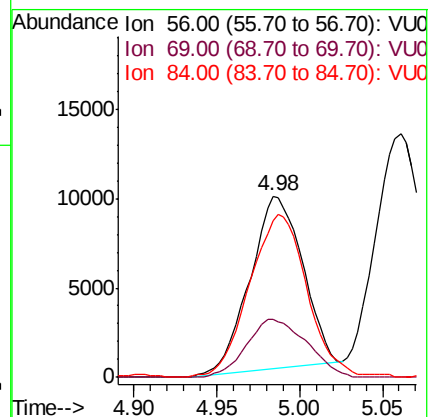
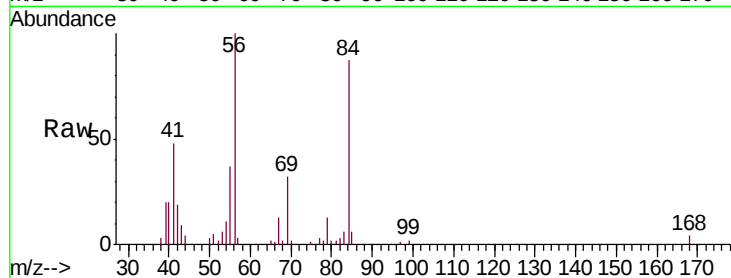
Tgt Ion: 56 Resp: 21442

Ion Ratio Lower Upper

56 100

69 38.3 25.7 38.5

84 100.5 72.9 109.3



#20

Methylcyclohexane

Concen: 0.913 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

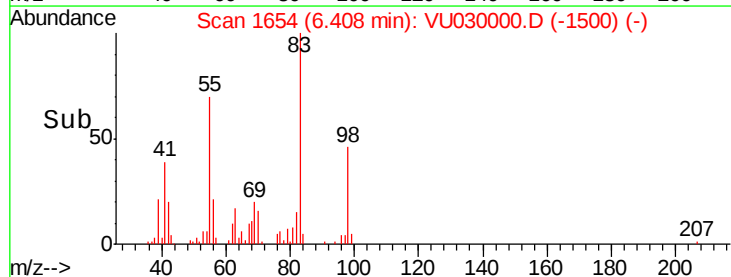
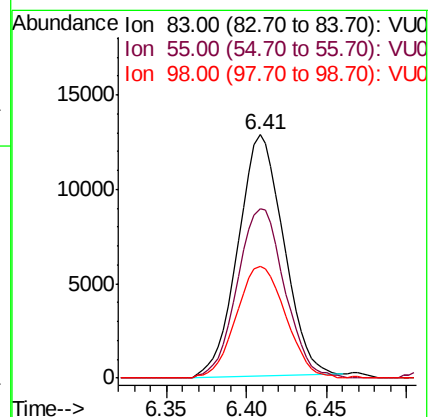
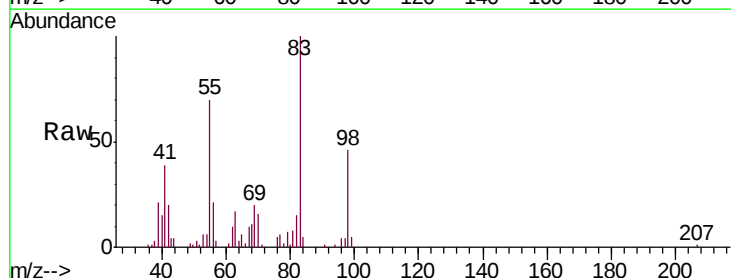
Tgt Ion: 83 Resp: 24977

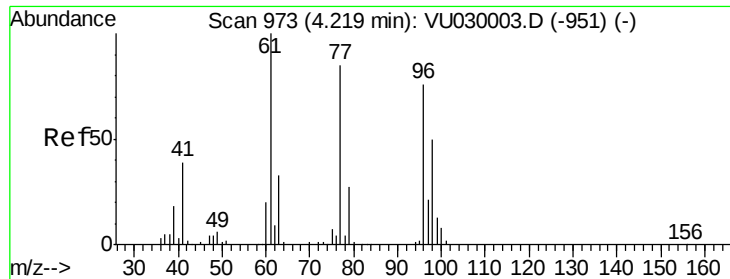
Ion Ratio Lower Upper

83 100

55 72.7 55.6 83.4

98 50.0 37.4 56.0

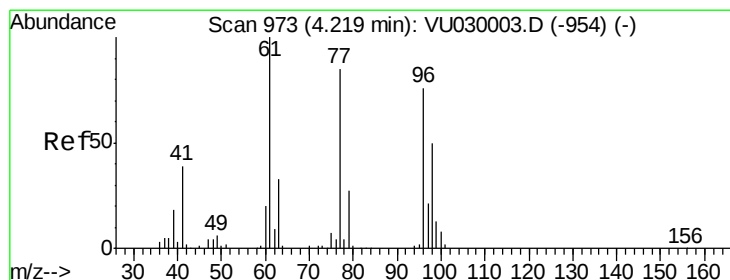
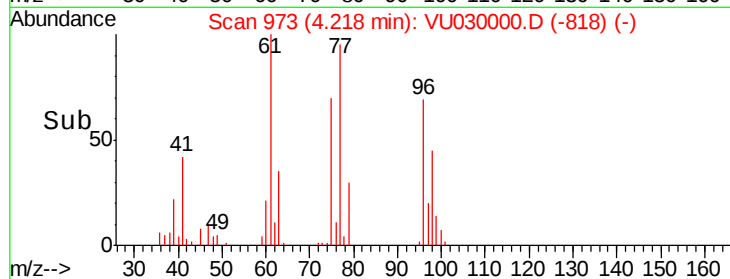
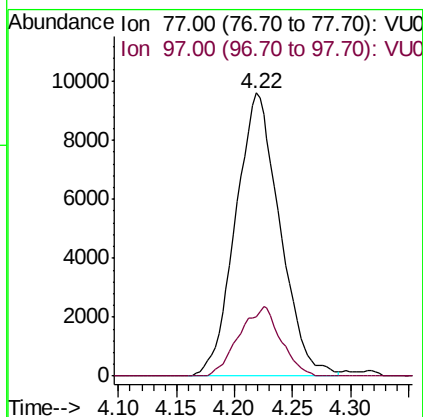
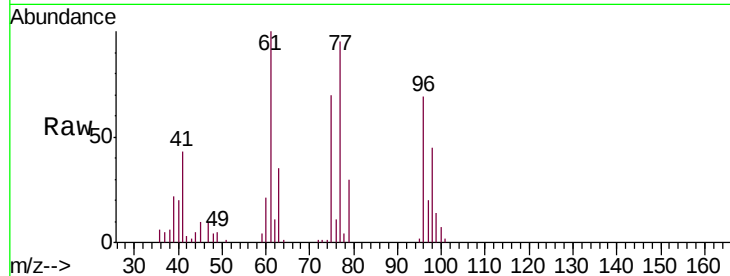




#21
 2,2-Dichloropropane
 Concen: 1.050 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

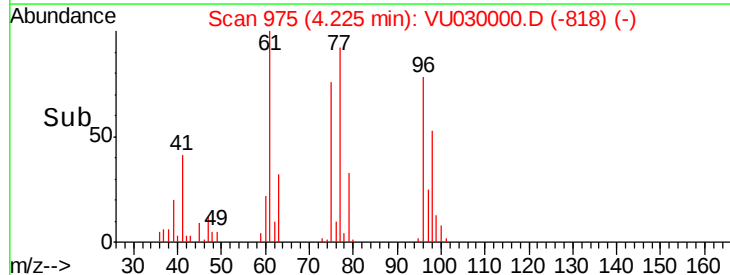
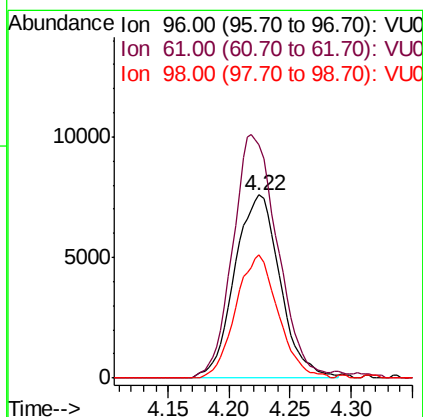
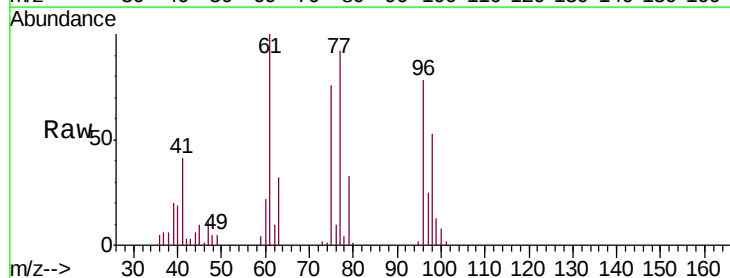
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

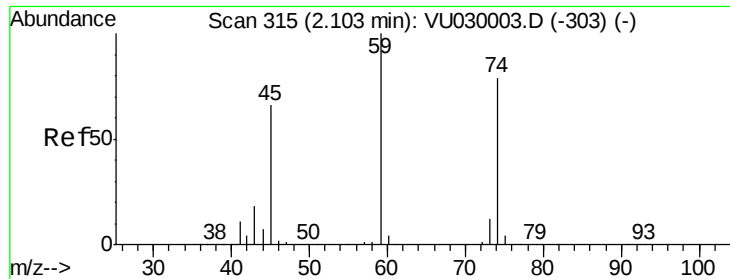
Tgt Ion: 77 Resp: 25533
 Ion Ratio Lower Upper
 77 100
 97 23.1 20.2 30.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.031 ug/l
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 96 Resp: 19605
 Ion Ratio Lower Upper
 96 100
 61 131.0 0.0 335.8
 98 62.7 32.6 97.7

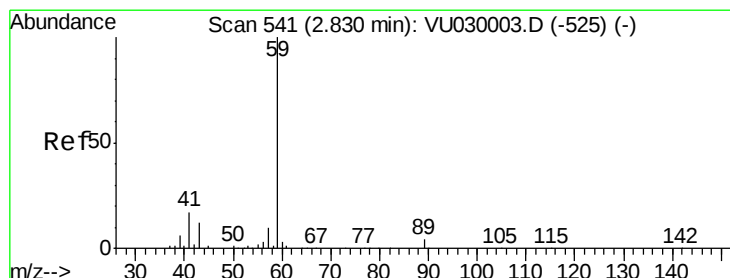
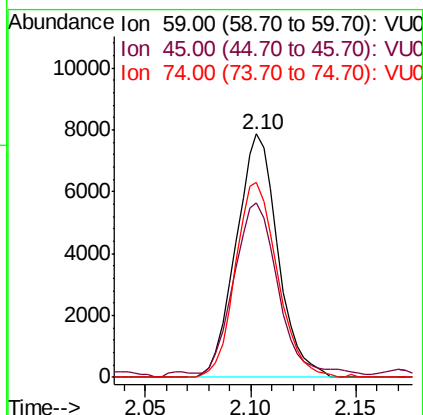
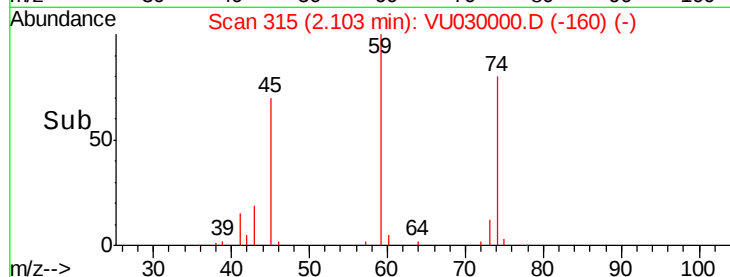
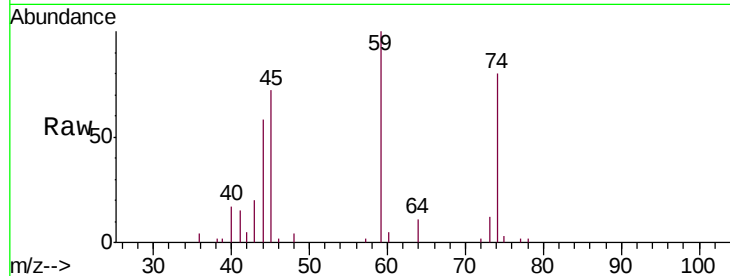




#23
Diethyl Ether
Concen: 0.978 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

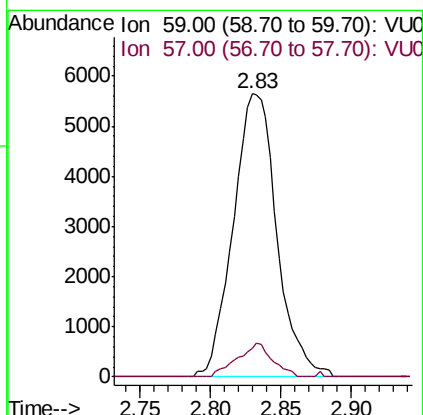
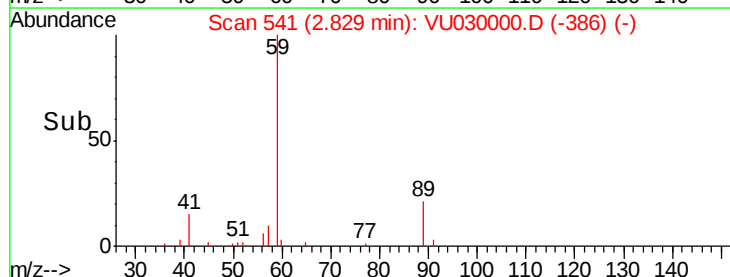
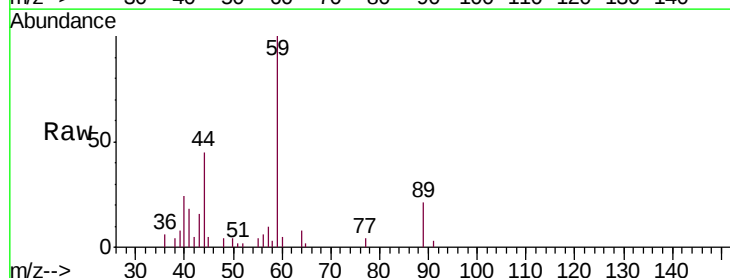
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

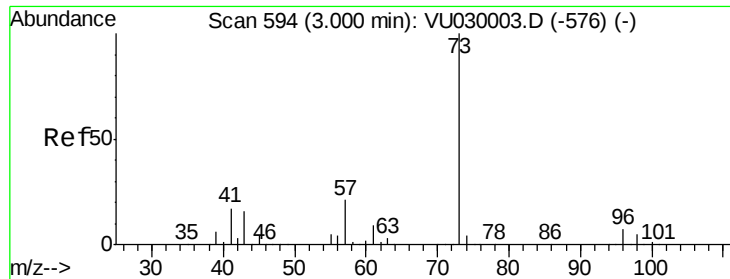
Tgt Ion: 59 Resp: 10826
Ion Ratio Lower Upper
59 100
45 73.1 52.3 78.5
74 80.5 61.1 91.7



#24
tert-Butyl Alcohol
Concen: 10.298 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 59 Resp: 12202
Ion Ratio Lower Upper
59 100
57 9.5 7.7 11.5

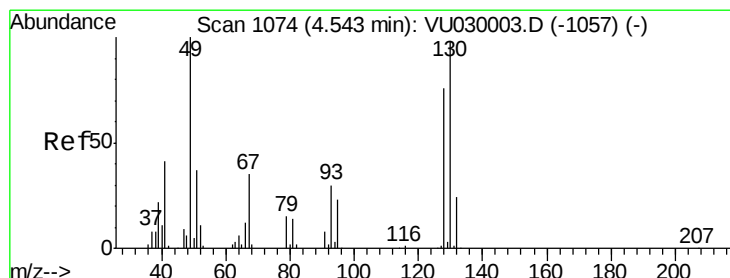
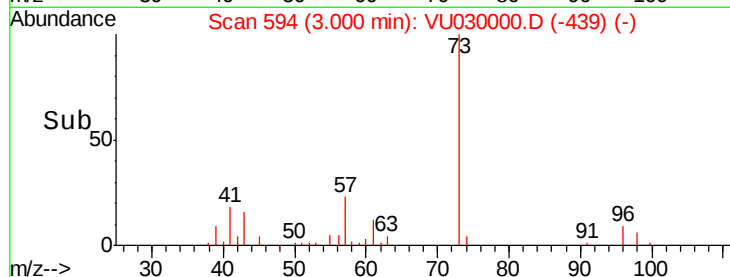
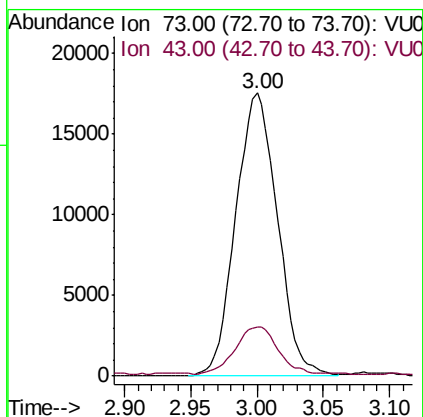
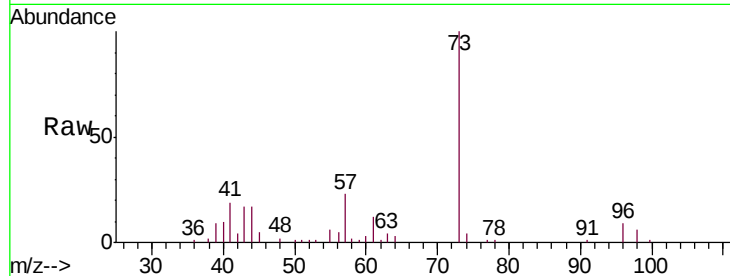




#25
Methyl tert-Butyl Ether
Concen: 1.027 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

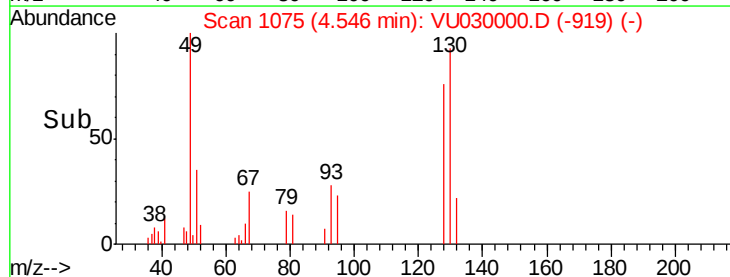
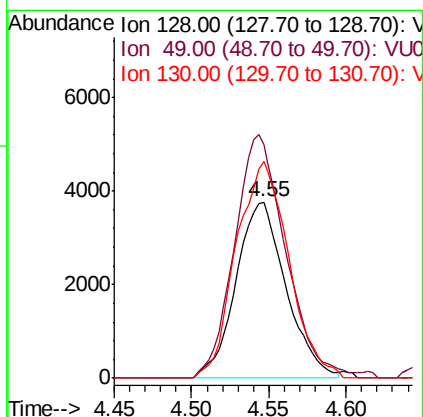
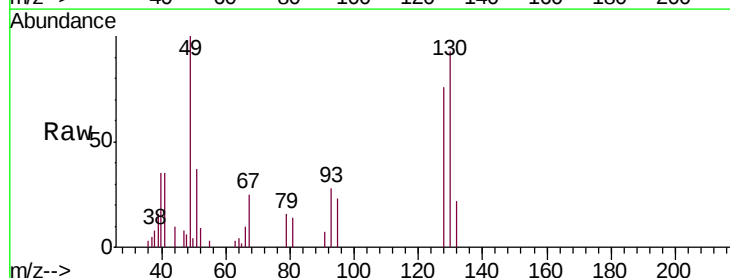
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

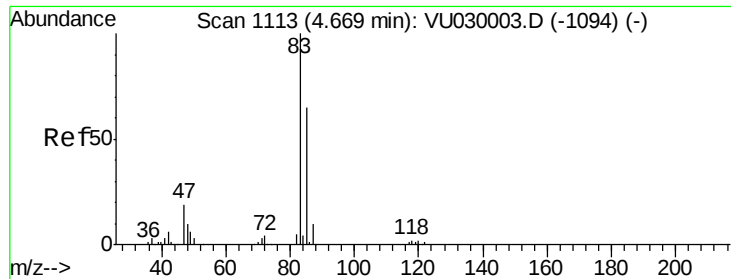
Tgt Ion: 73 Resp: 38439
Ion Ratio Lower Upper
73 100
43 16.8 13.1 19.7



#26
Bromochloromethane
Concen: 1.019 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 128 Resp: 8484
Ion Ratio Lower Upper
128 100
49 140.9 0.0 270.4
130 128.9 102.6 153.8





#27

Chloroform

Concen: 1.046 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

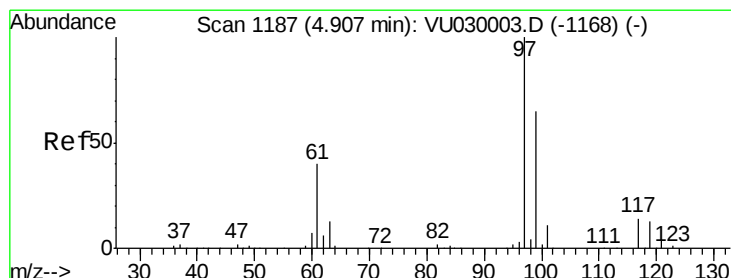
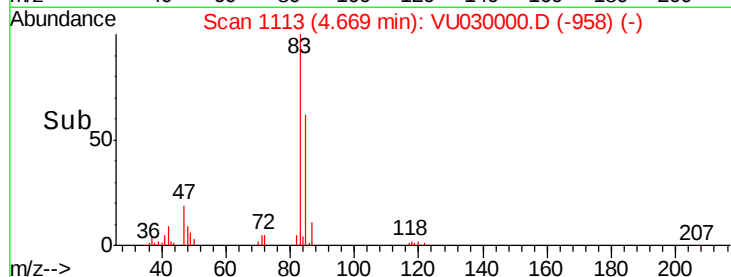
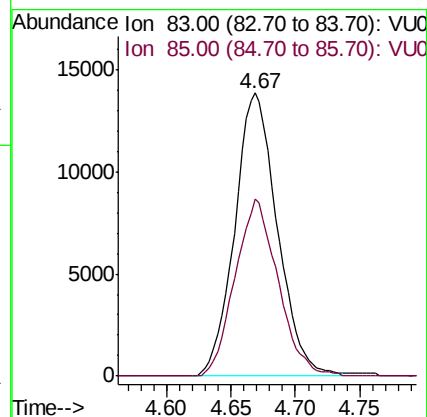
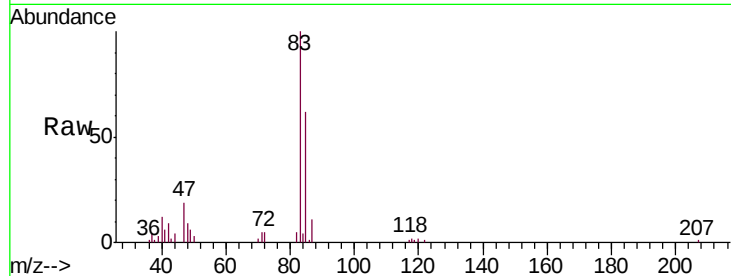
VSTDIC001

Tgt Ion: 83 Resp: 31832

Ion Ratio Lower Upper

83 100

85 62.4 0.0 129.0



#28

1,1,1-Trichloroethane

Concen: 1.013 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

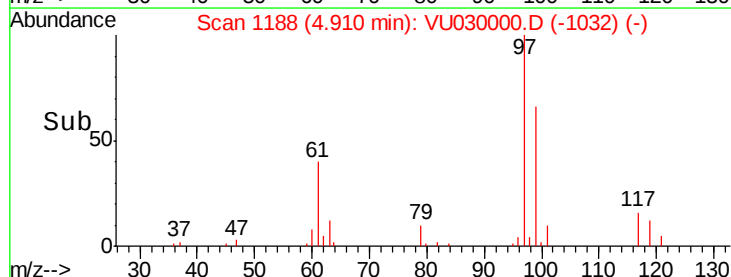
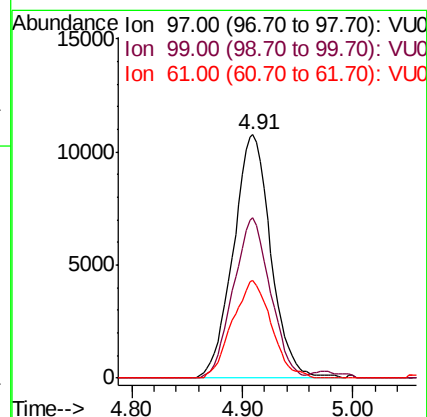
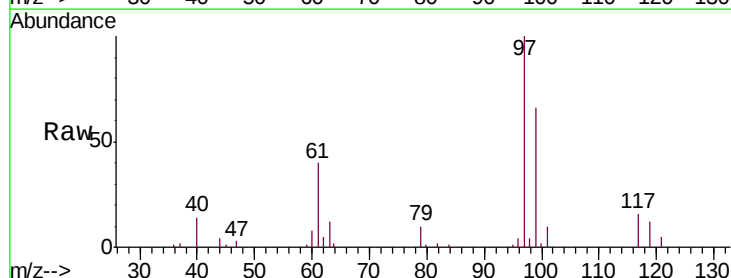
Tgt Ion: 97 Resp: 25372

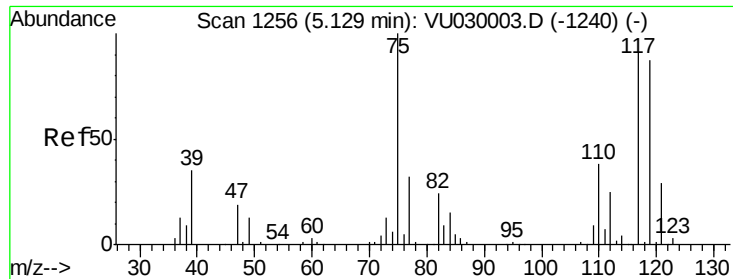
Ion Ratio Lower Upper

97 100

99 64.9 32.4 97.0

61 41.6 20.4 61.2





#29

1,1-Dichloropropene

Concen: 1.021 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

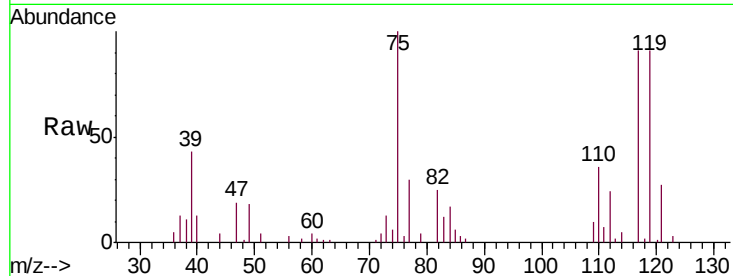
Tgt Ion: 75 Resp: 23288

Ion Ratio Lower Upper

75 100

110 35.4 19.1 57.3

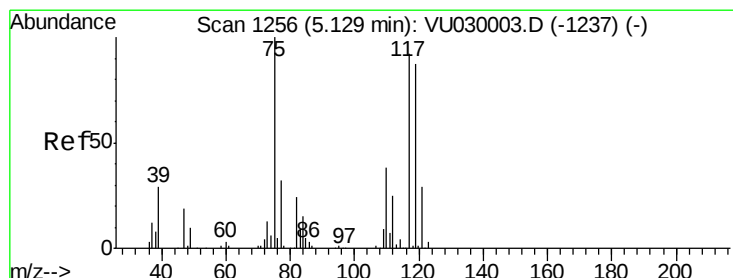
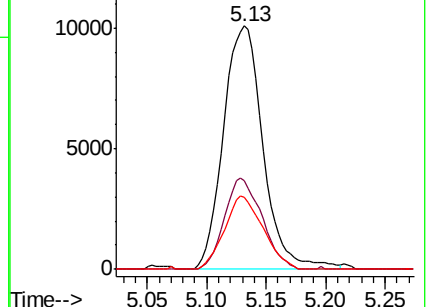
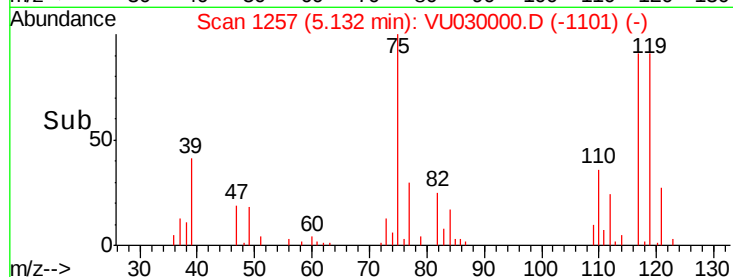
77 29.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-1240) (-)

Ion 110.00 (109.70 to 110.70): VU030003.D (-1240) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1240) (-)



#30

Carbon Tetrachloride

Concen: 1.004 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

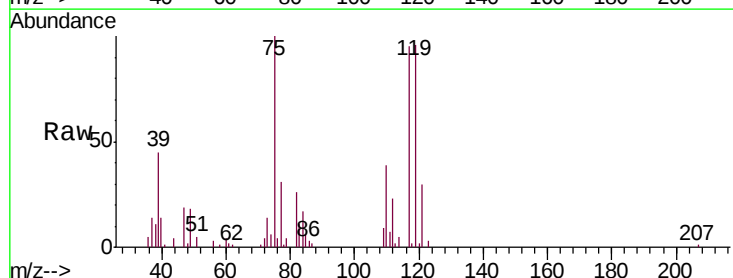
Tgt Ion: 117 Resp: 22467

Ion Ratio Lower Upper

117 100

119 100.9 76.3 114.5

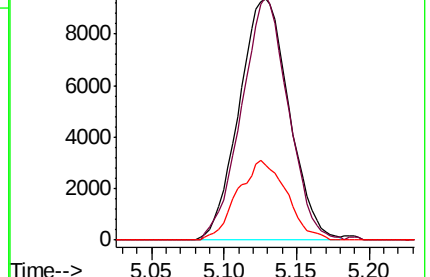
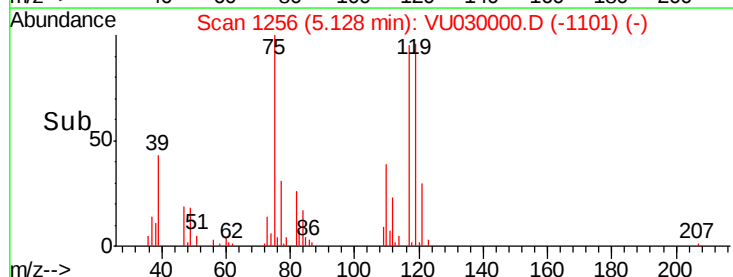
121 31.2 25.1 37.7

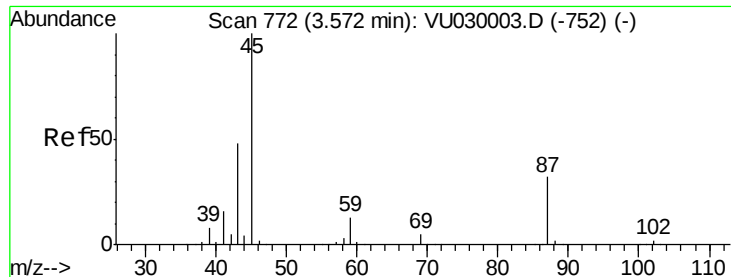


Abundance Ion 117.00 (116.70 to 117.70): VU030003.D (-1237) (-)

Ion 119.00 (118.70 to 119.70): VU030003.D (-1237) (-)

Ion 121.00 (120.70 to 121.70): VU030003.D (-1237) (-)





#31

Isopropyl Ether

Concen: 1.002 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

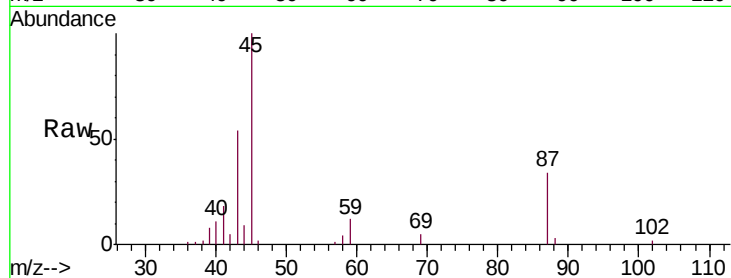
VSTDIC001

Tgt Ion: 45 Resp: 40793

Ion Ratio Lower Upper

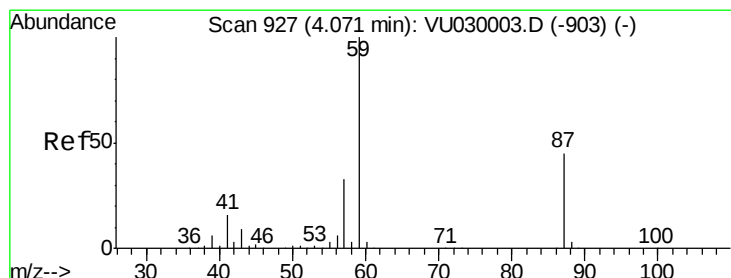
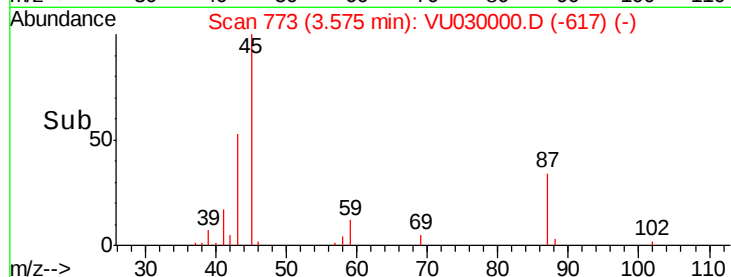
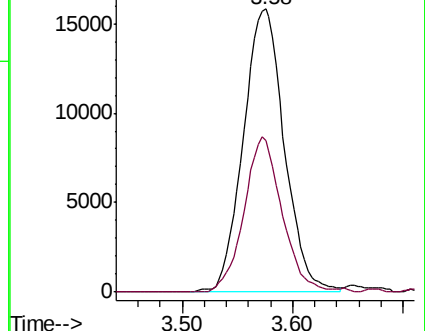
45 100

43 50.4 24.5 73.5



Abundance Ion 45.00 (44.70 to 45.70): VU030003.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU030003.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.997 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030000.D

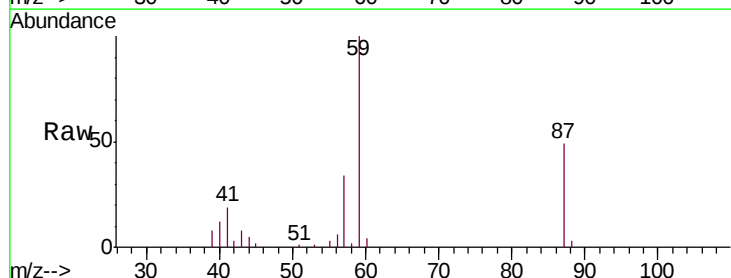
Acq: 12 Mar 2019 10:27

Tgt Ion: 59 Resp: 39121

Ion Ratio Lower Upper

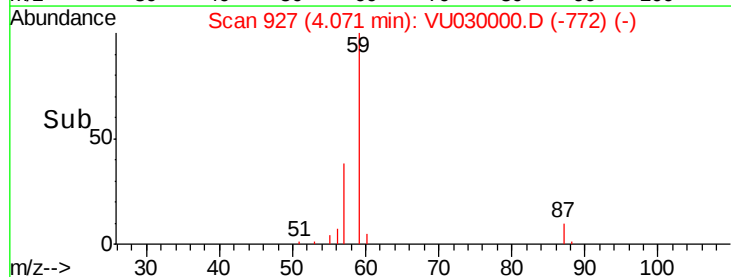
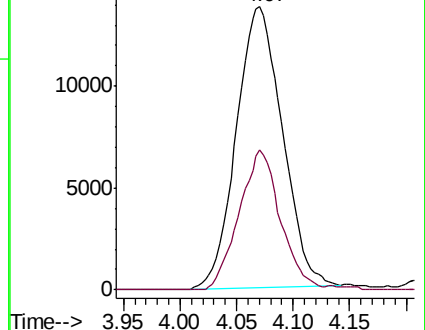
59 100

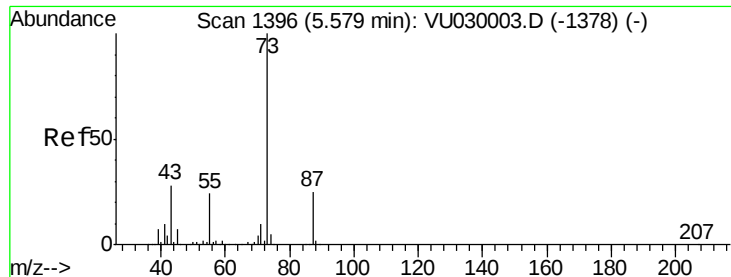
87 43.2 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU030003.D (-903) (-)

Ion 87.00 (86.70 to 87.70): VU030003.D (-903) (-)





#33

Tert-Amyl methyl ether

Concen: 0.993 ug/l

RT: 5.58 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

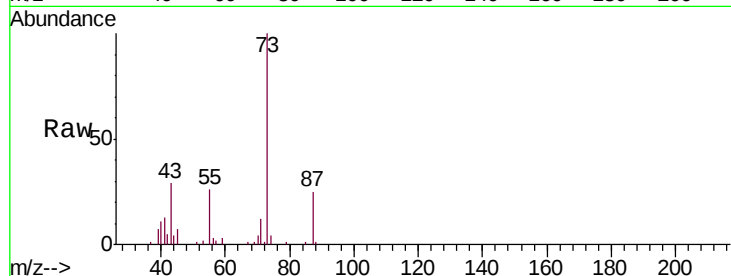
Tgt Ion: 73 Resp: 35644

Ion Ratio Lower Upper

73 100

87 23.8 19.7 29.5

71 11.4 8.6 13.0

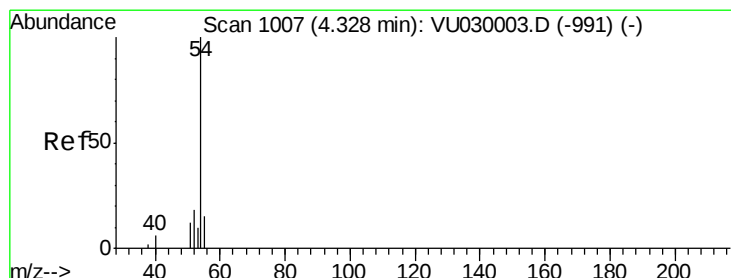
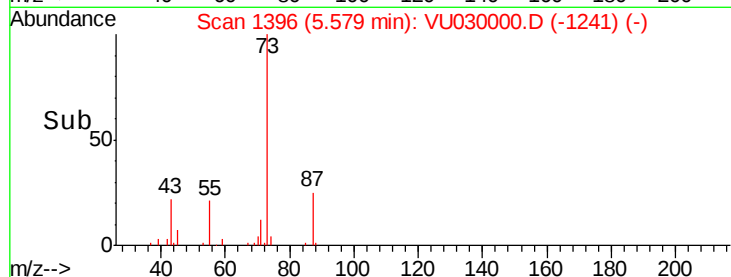


Abundance Ion 73.00 (72.70 to 73.70): VU030003.D (-1378) (-)

Ion 87.00 (86.70 to 87.70): VU030003.D (-1378) (-)

Ion 71.00 (70.70 to 71.70): VU030003.D (-1378) (-)

Time-->



#34

Propionitrile

Concen: 5.215 ug/l

RT: 4.34 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Tgt Ion: 54 Resp: 5723

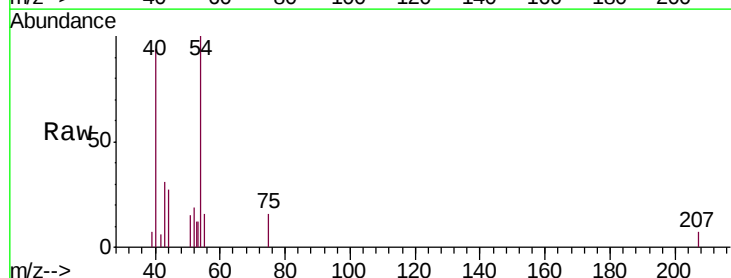
Ion Ratio Lower Upper

54 100

52 17.8 15.8 23.6

55 9.1 12.5 18.7#

40 7.6 6.1 9.1



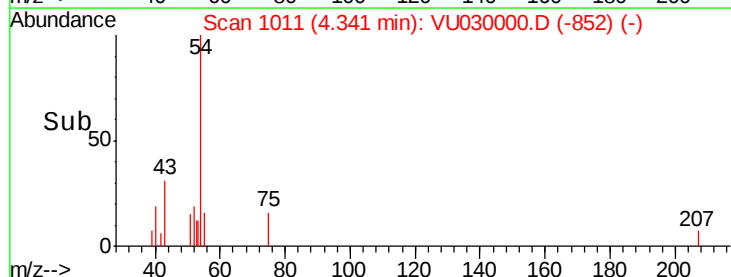
Abundance Ion 54.00 (53.70 to 54.70): VU030003.D (-991) (-)

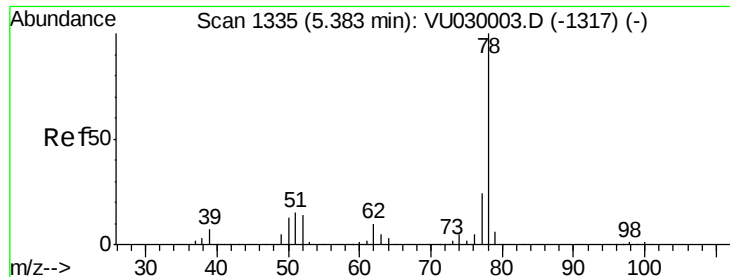
Ion 52.00 (51.70 to 52.70): VU030003.D (-991) (-)

Ion 55.00 (54.70 to 55.70): VU030003.D (-991) (-)

Ion 40.00 (39.70 to 40.70): VU030003.D (-991) (-)

Time-->





#35

Benzene

Concen: 1.011 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

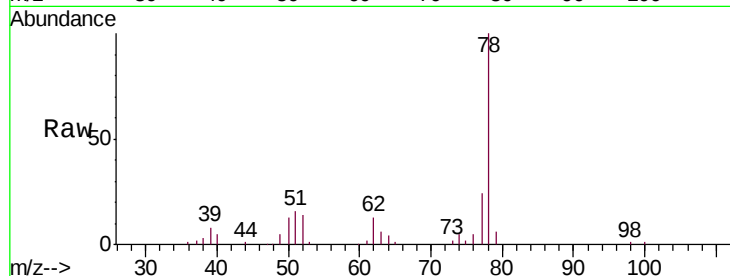
VSTDIC001

Tgt Ion: 78 Resp: 67474

Ion Ratio Lower Upper

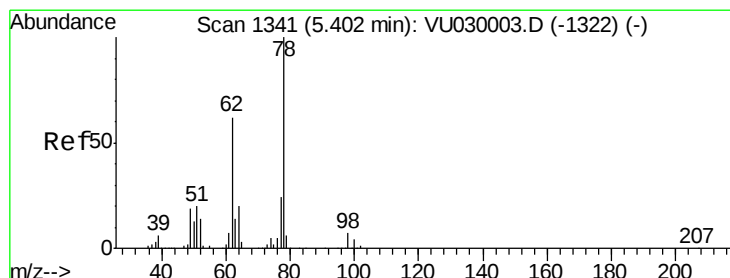
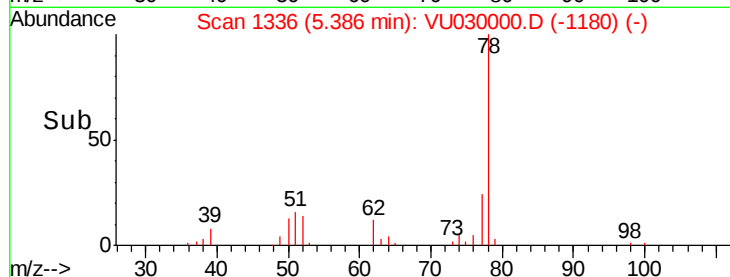
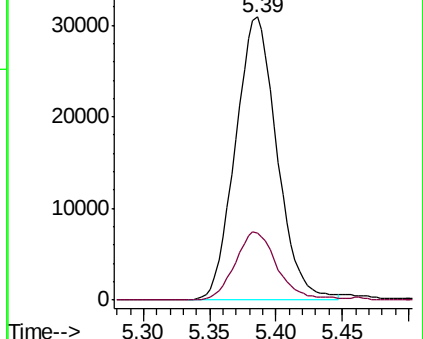
78 100

77 23.8 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VU030003.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1317) (-)



#36

1,2-Dichloroethane

Concen: 1.053 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030000.D

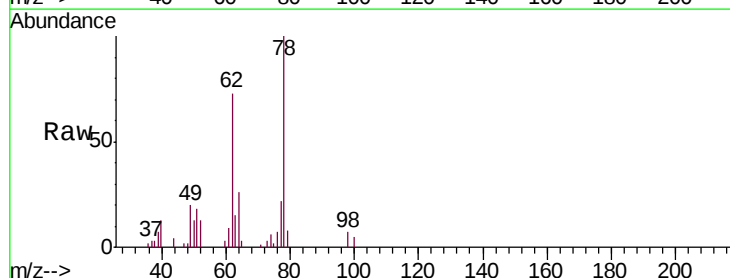
Acq: 12 Mar 2019 10:27

Tgt Ion: 62 Resp: 18787

Ion Ratio Lower Upper

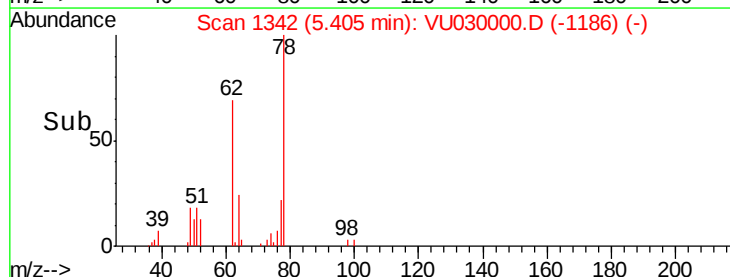
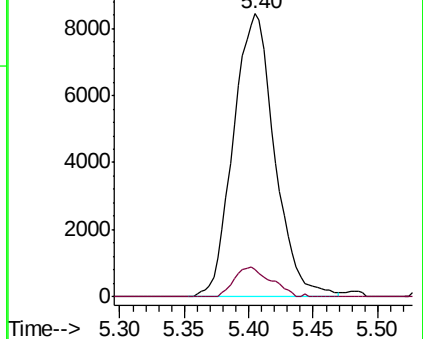
62 100

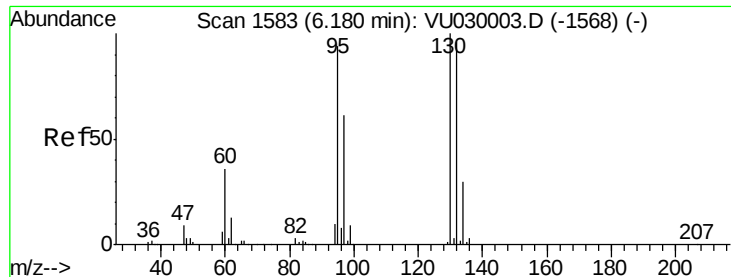
98 9.3 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-1322) (-)

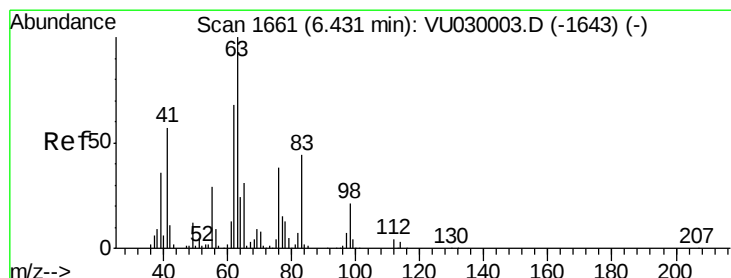
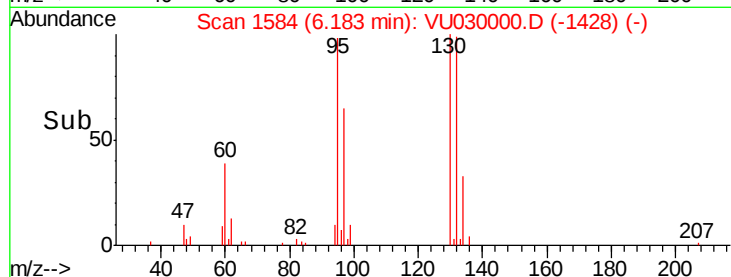
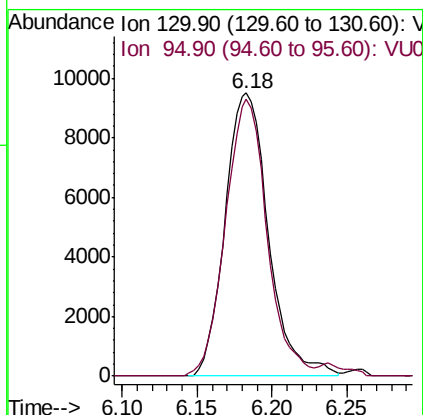
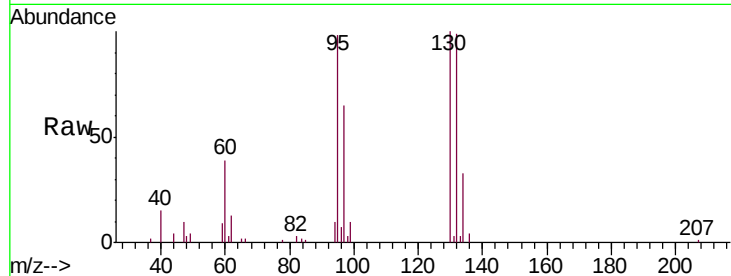




#37
 Trichloroethene
 Concen: 0.999 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

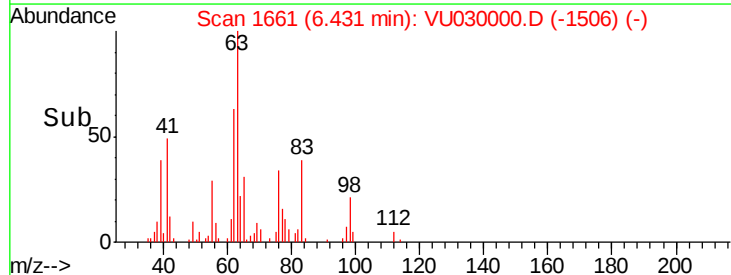
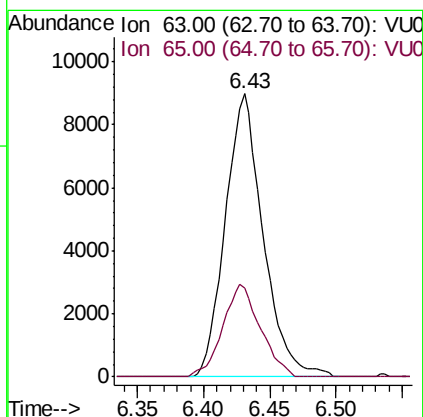
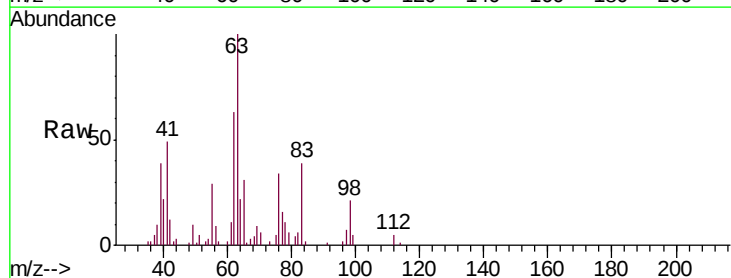
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

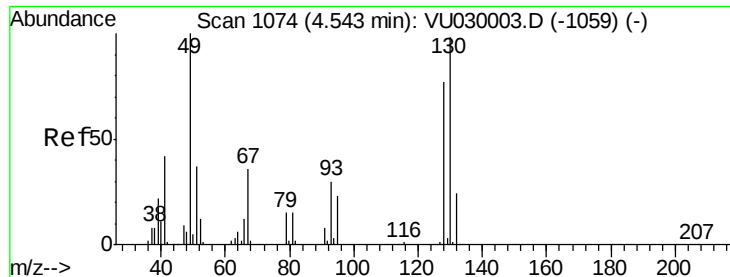
Tgt Ion:130 Resp: 19193
 Ion Ratio Lower Upper
 130 100
 95 96.5 75.2 112.8



#38
 1,2-Dichloropropane
 Concen: 1.049 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 63 Resp: 17791
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.9 37.3

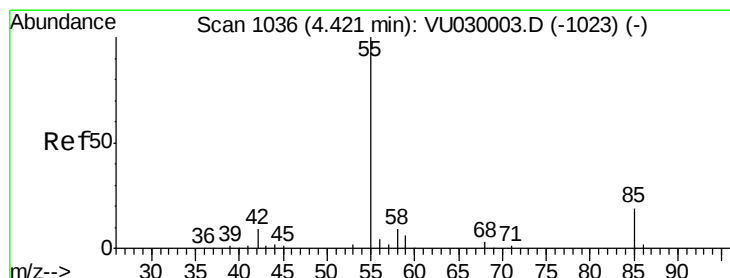
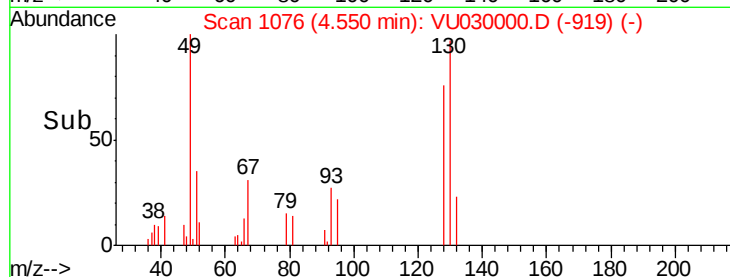
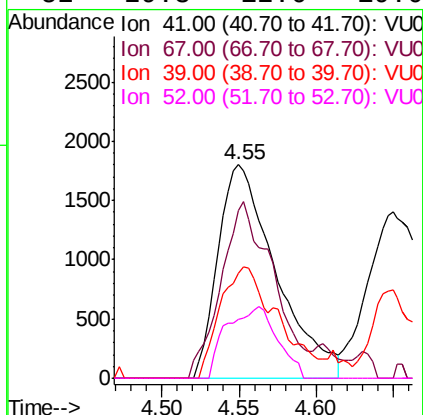
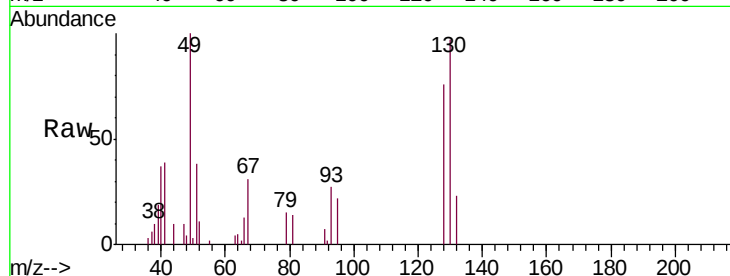




#39
Methacrylonitrile
Concen: 0.999 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

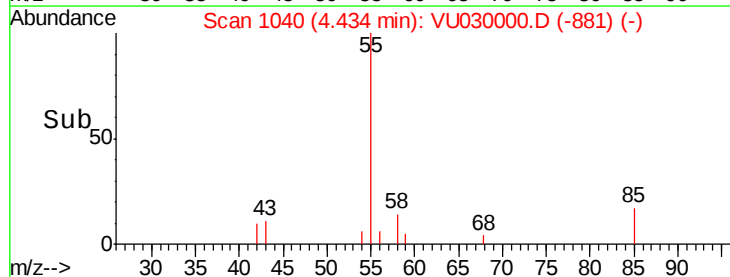
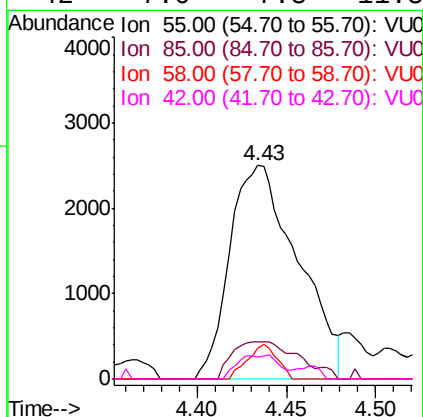
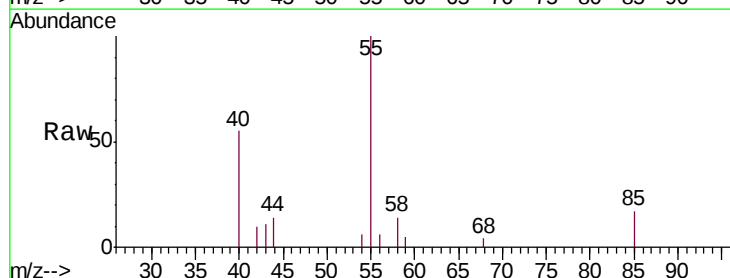
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

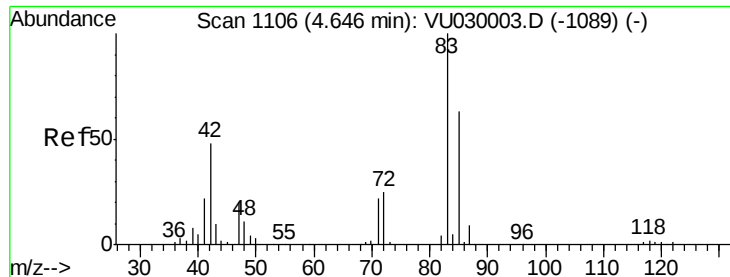
Tgt Ion: 41 Resp: 4700
Ion Ratio Lower Upper
41 100
67 74.4 71.4 107.0
39 51.8 41.9 62.9
52 29.3 12.6 19.0#



#40
Methyl acrylate
Concen: 0.897 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 55 Resp: 6665
Ion Ratio Lower Upper
55 100
85 17.0 16.2 24.2
58 7.1 7.0 10.6
42 7.0 7.8 11.8#

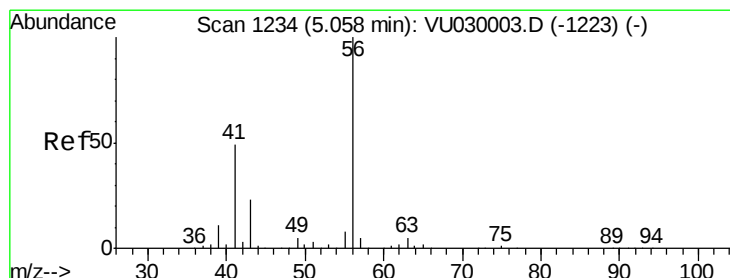
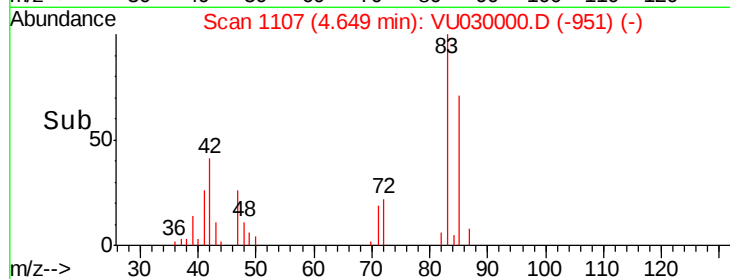
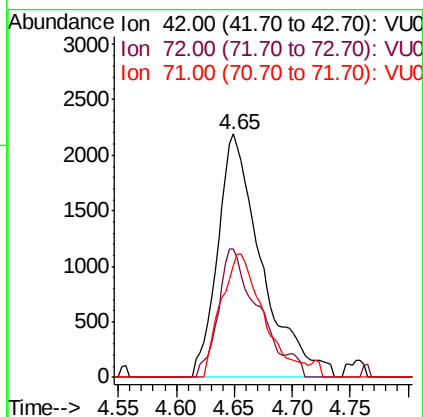
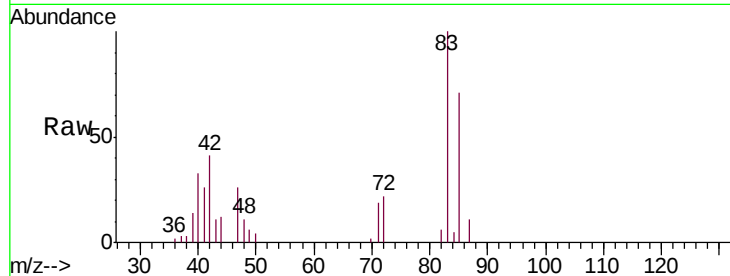




#41
Tetrahydrofuran
Concen: 2.220 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

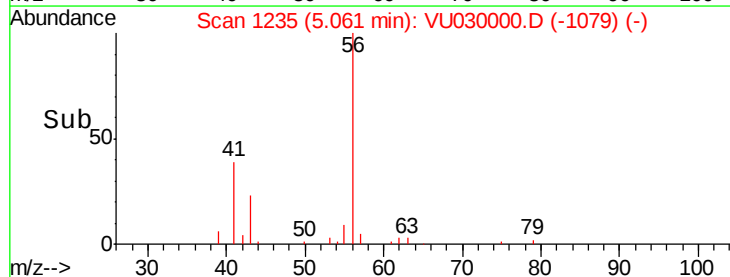
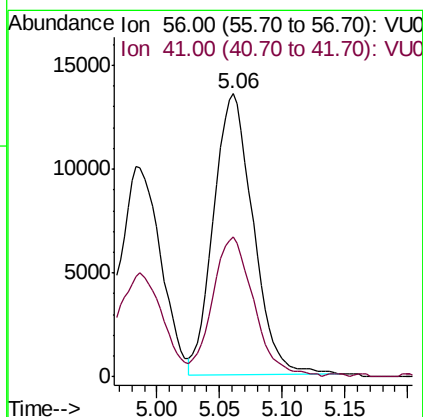
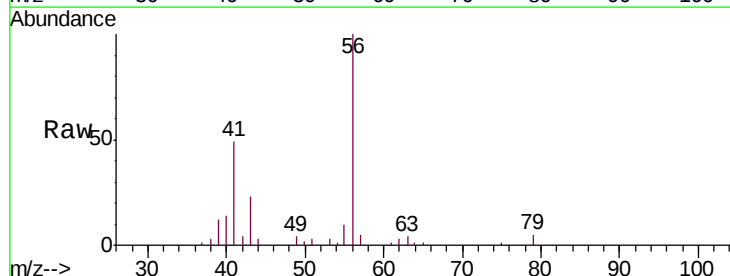
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

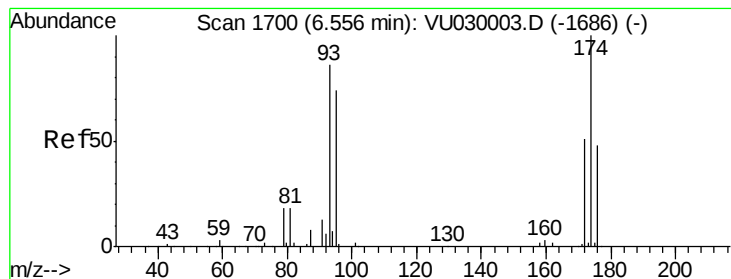
Tgt Ion: 42 Resp: 5775
Ion Ratio Lower Upper
42 100
72 49.2 44.9 67.3
71 49.2 37.8 56.8



#42
1-Chlorobutane
Concen: 1.001 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 56 Resp: 29904
Ion Ratio Lower Upper
56 100
41 51.9 24.7 74.1





#43

Dibromomethane

Concen: 1.045 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

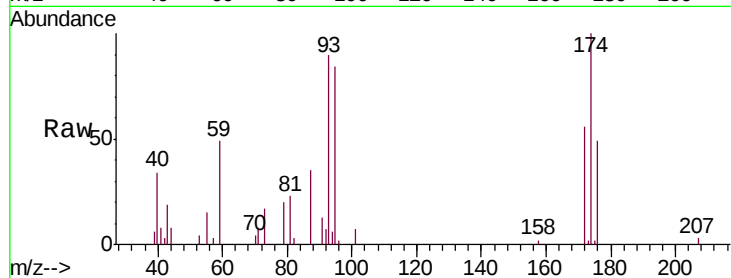
Tgt Ion: 93 Resp: 9165

Ion Ratio Lower Upper

93 100

95 85.9 68.6 102.8

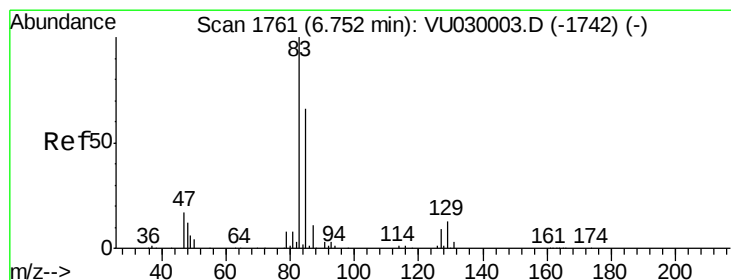
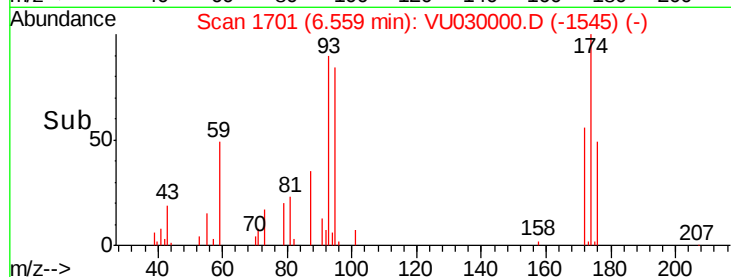
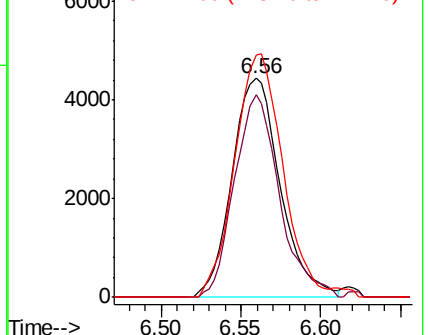
174 109.8 91.8 137.8



Abundance Ion 93.00 (92.70 to 93.70): VU030003.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU030003.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU030003.D (-1686) (-)



#44

Bromodichloromethane

Concen: 1.017 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

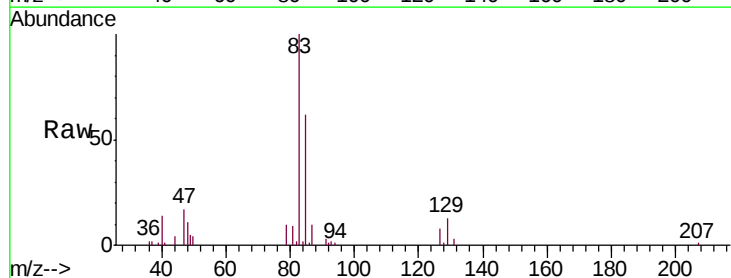
Tgt Ion: 83 Resp: 21282

Ion Ratio Lower Upper

83 100

85 62.4 53.2 79.8

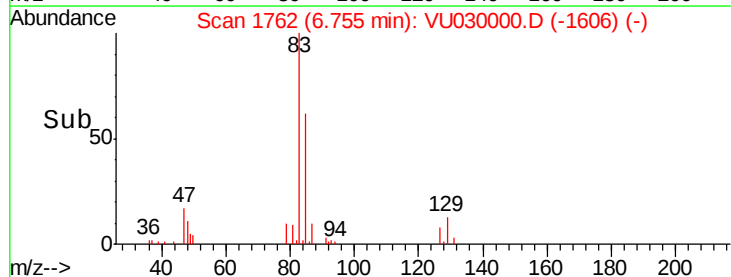
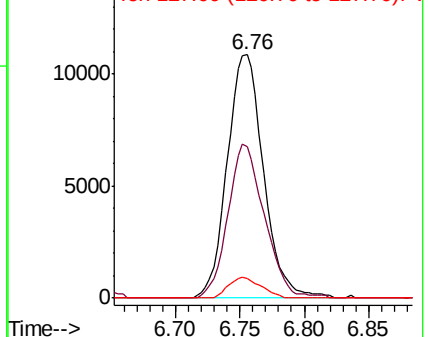
127 8.1 7.4 11.0

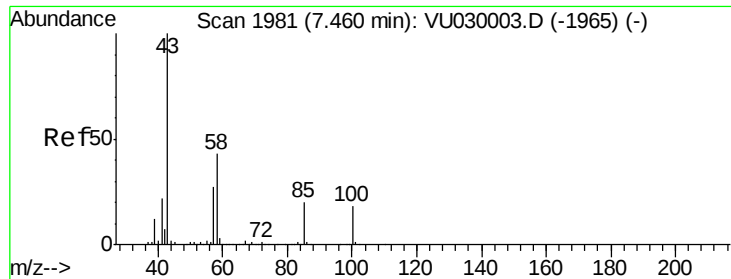


Abundance Ion 83.00 (82.70 to 83.70): VU030003.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU030003.D (-1742) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-1742) (-)

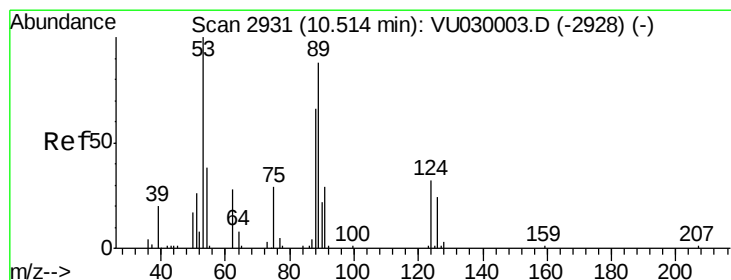
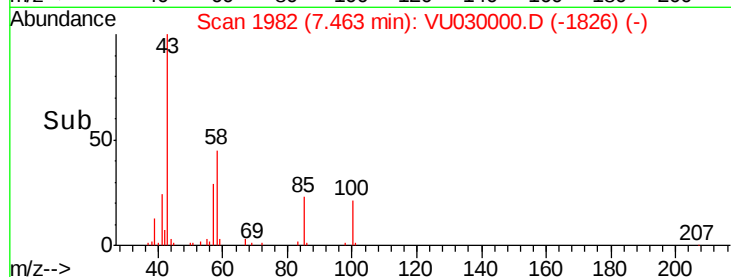
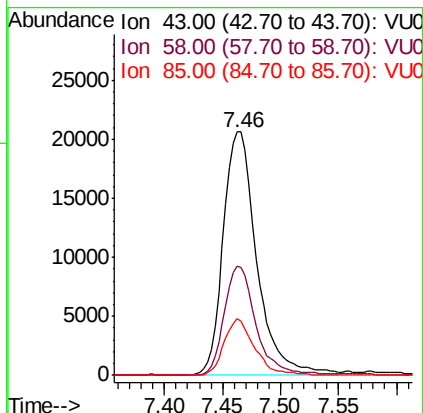
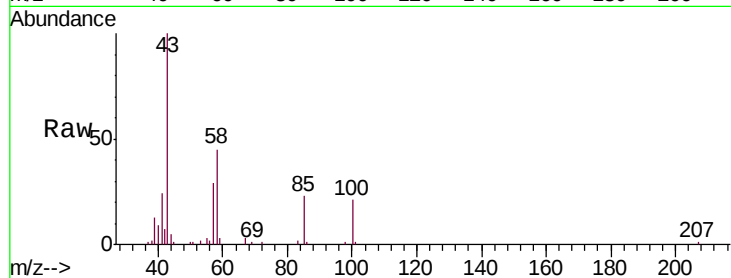




#45
 4-Methyl-2-Pentanone
 Concen: 4.788 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

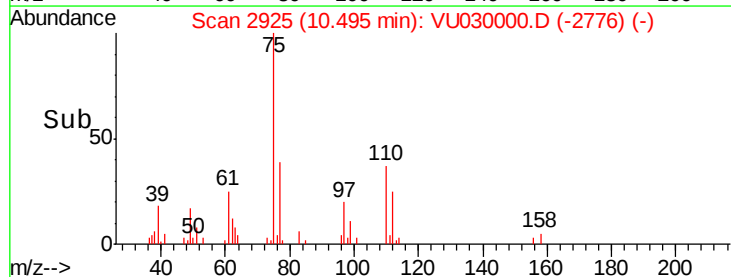
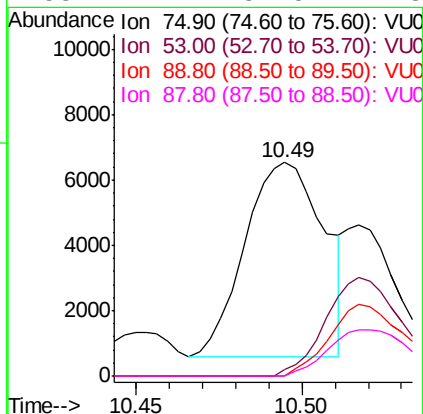
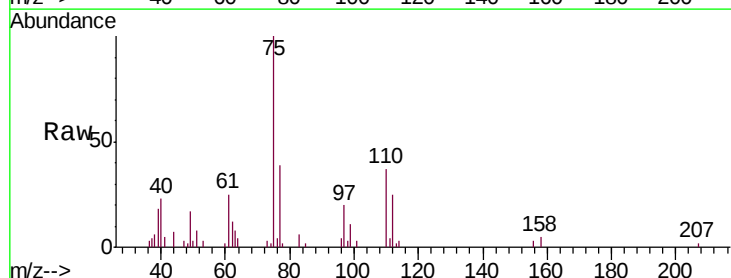
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

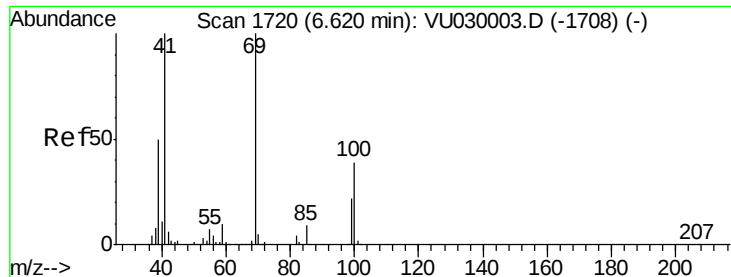
Tgt Ion: 43 Resp: 41505
 Ion Ratio Lower Upper
 43 100
 58 41.6 21.6 64.6
 85 20.9 16.3 24.5



#46
 t-1,4-Dichloro-2-butene
 Concen: 2.935 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. -0.02 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 75 Resp: 9887
 Ion Ratio Lower Upper
 75 100
 53 53.3 57.0 85.6#
 89 35.3 43.6 65.4#
 88 24.4 31.5 47.3#





#47

Methyl methacrylate

Concen: 1.906 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 14008

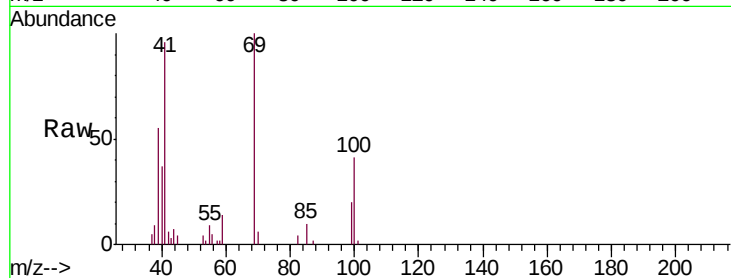
Ion Ratio Lower Upper

69 100

41 102.8 0.0 197.8

39 57.8 40.2 60.4

100 38.6 31.0 46.6

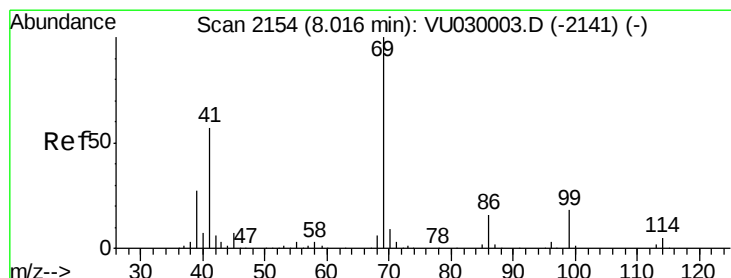
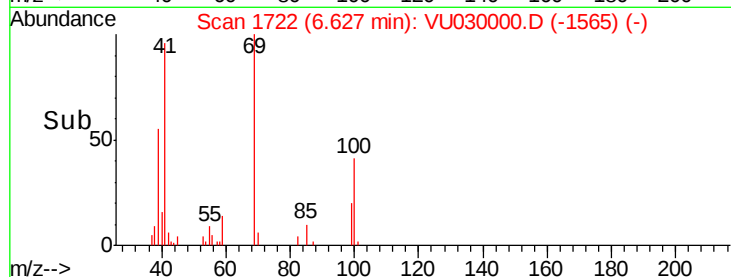
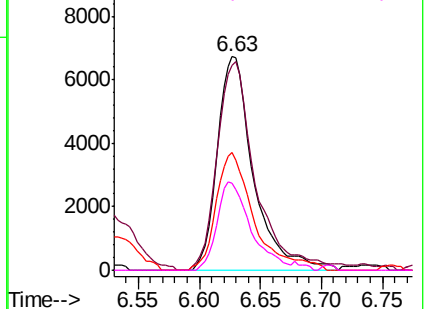


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 0.917 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VU030000.D

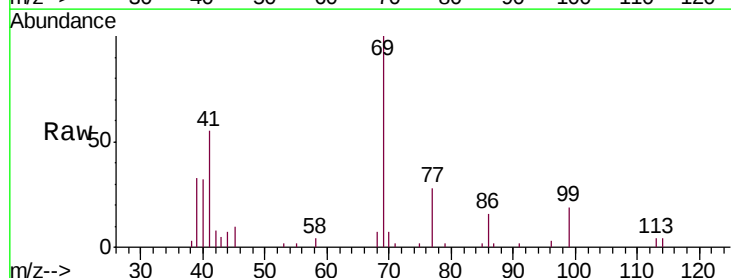
Acq: 12 Mar 2019 10:27

Tgt Ion: 69 Resp: 12708

Ion Ratio Lower Upper

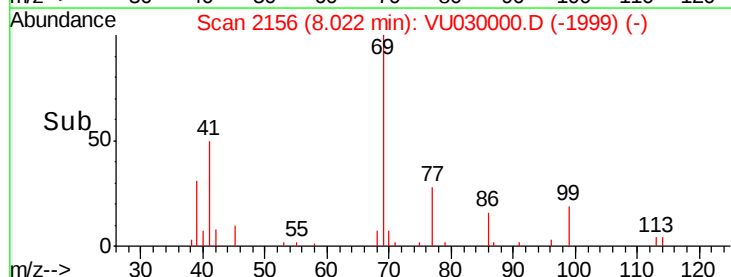
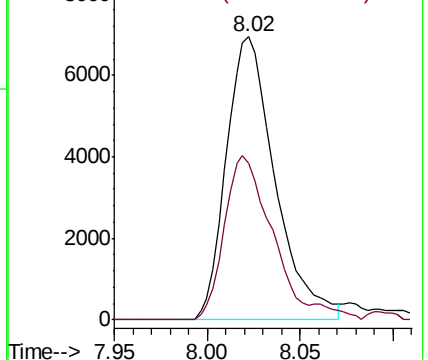
69 100

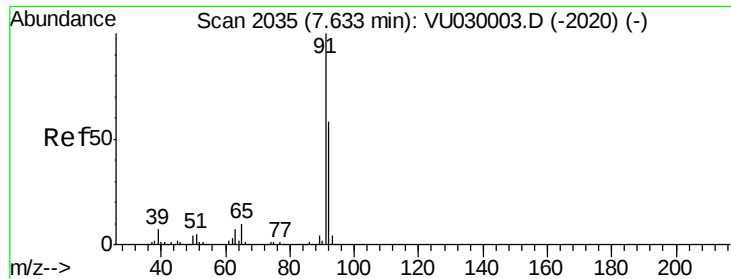
41 58.1 28.1 84.4



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.956 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

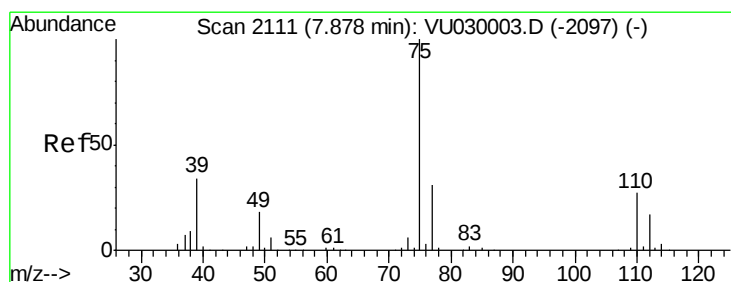
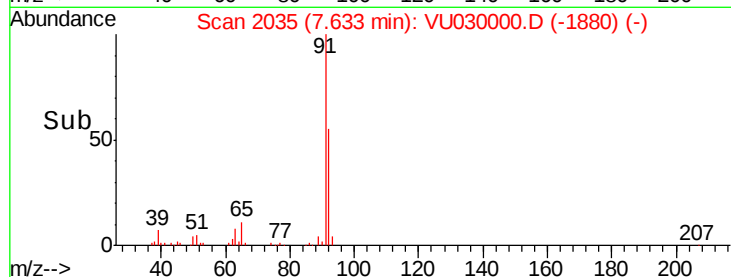
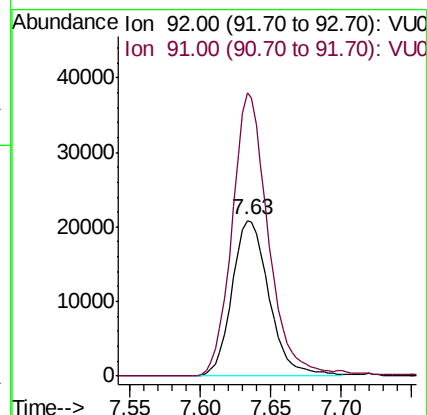
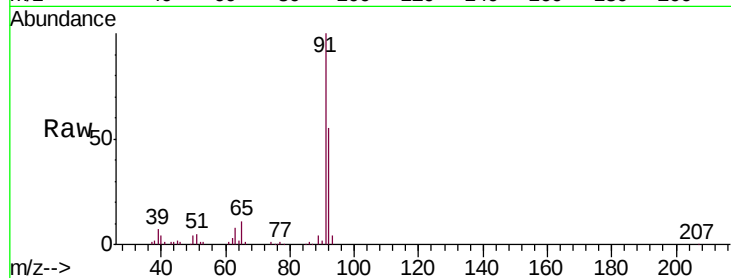
VSTDIC001

Tgt Ion: 92 Resp: 38440

Ion Ratio Lower Upper

92 100

91 176.1 140.1 210.1



#50

t-1,3-Dichloropropene

Concen: 0.955 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030000.D

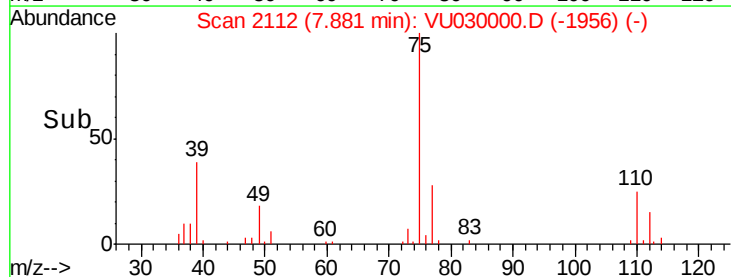
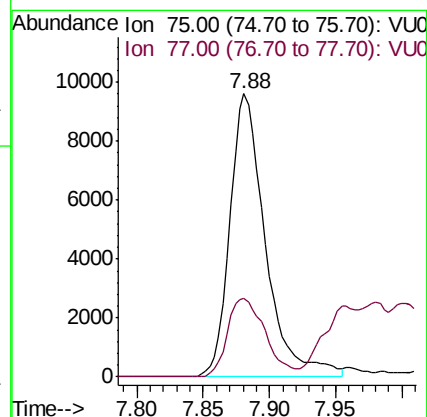
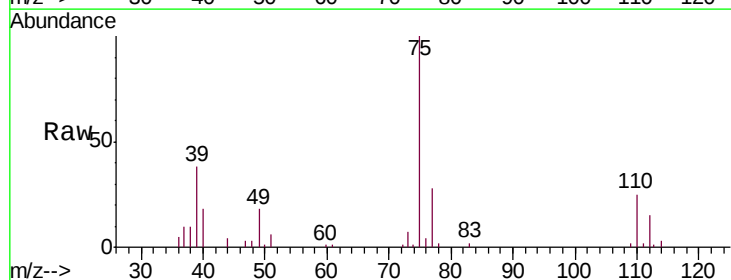
Acq: 12 Mar 2019 10:27

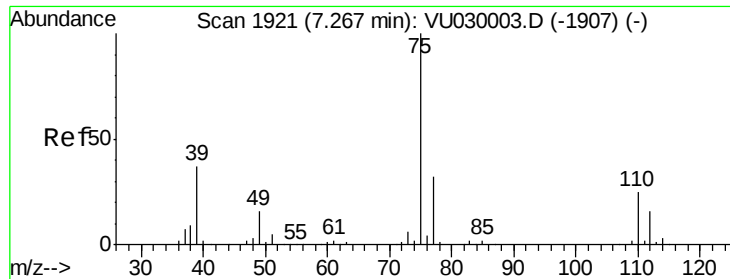
Tgt Ion: 75 Resp: 17897

Ion Ratio Lower Upper

75 100

77 27.8 25.1 37.7



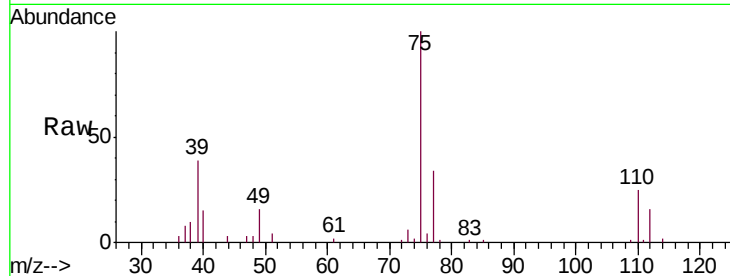


#51

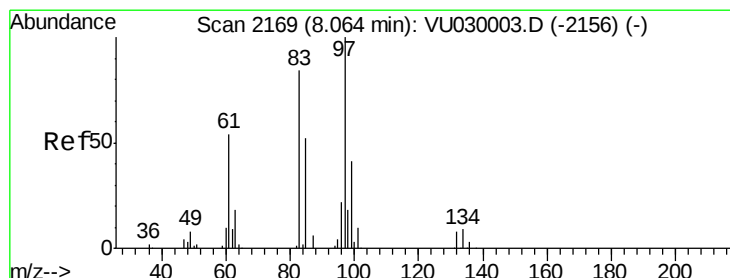
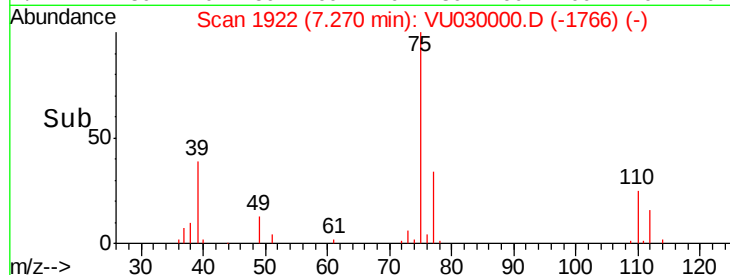
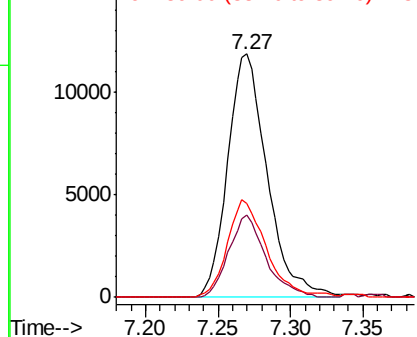
cis-1,3-Dichloropropene
Concen: 0.955 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 22492
Ion Ratio Lower Upper
75 100
77 34.0 26.0 39.0
39 38.7 29.5 44.3



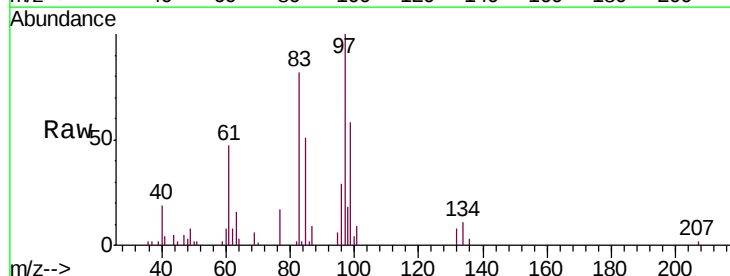
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



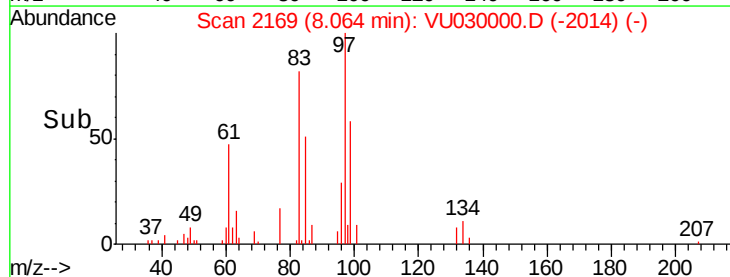
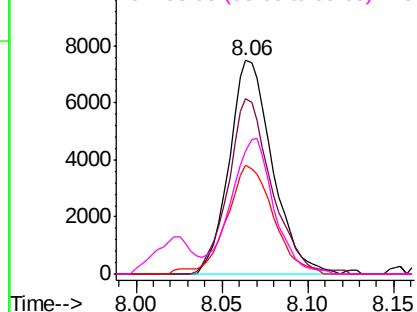
#52

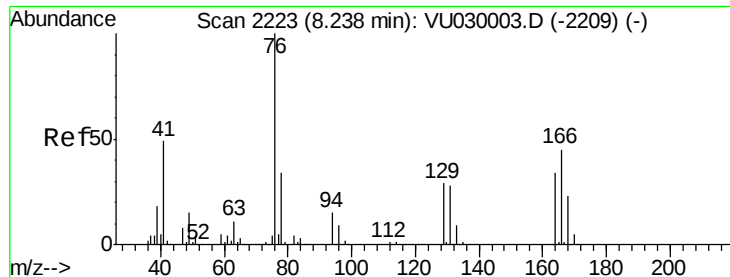
1,1,2-Trichloroethane
Concen: 1.059 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 97 Resp: 13131
Ion Ratio Lower Upper
97 100
83 82.2 67.4 101.0
85 50.8 42.6 64.0
99 57.7 48.9 73.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 84.95 (84.65 to 85.65): VU0
Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 1.016 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

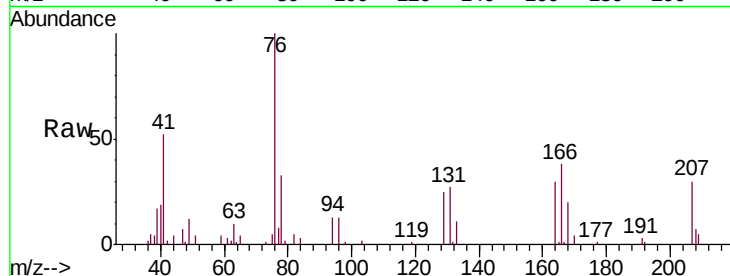
VSTDIC001

Tgt Ion: 76 Resp: 21066

Ion Ratio Lower Upper

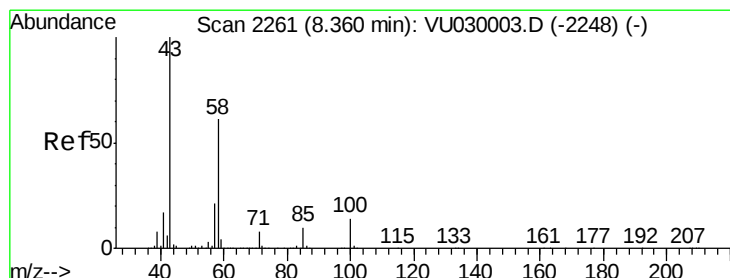
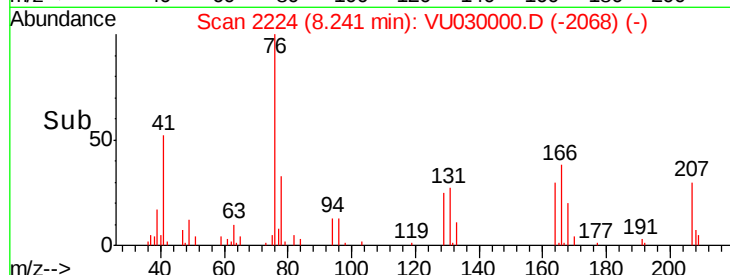
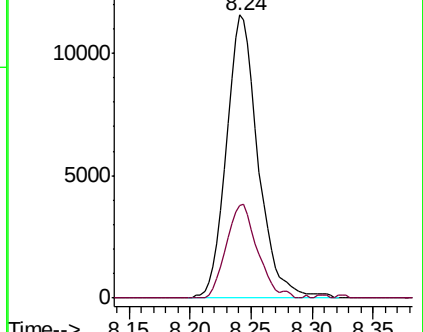
76 100

78 32.5 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VU030003.D (-2209) (-)

Ion 78.00 (77.70 to 78.70): VU030003.D (-2209) (-)



#54

2-Hexanone

Concen: 4.669 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

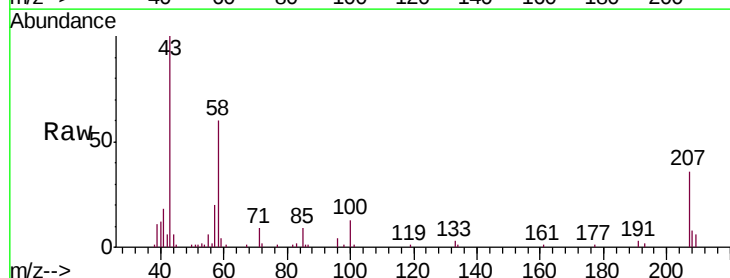
Tgt Ion: 43 Resp: 29160

Ion Ratio Lower Upper

43 100

58 60.7 40.3 80.3

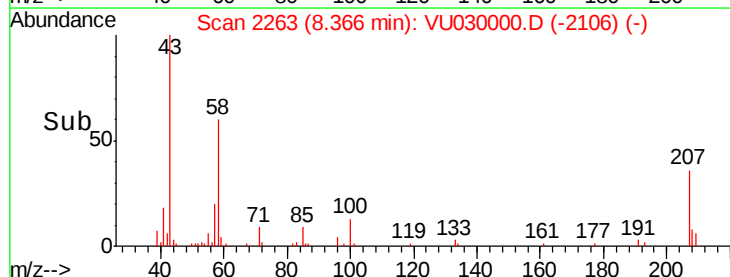
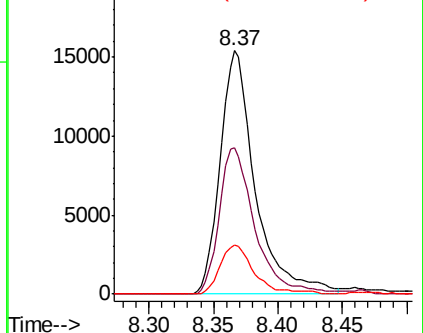
57 19.7 0.6 40.6

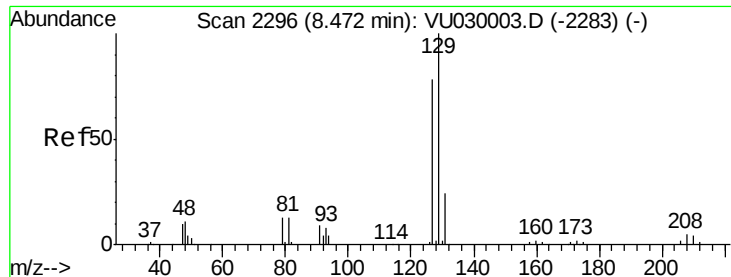


Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-2248) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-2248) (-)

Ion 57.00 (56.70 to 57.70): VU030003.D (-2248) (-)

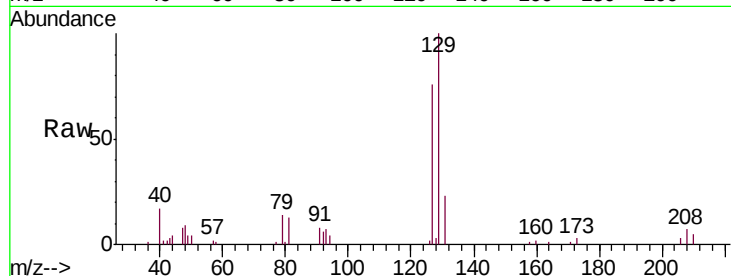




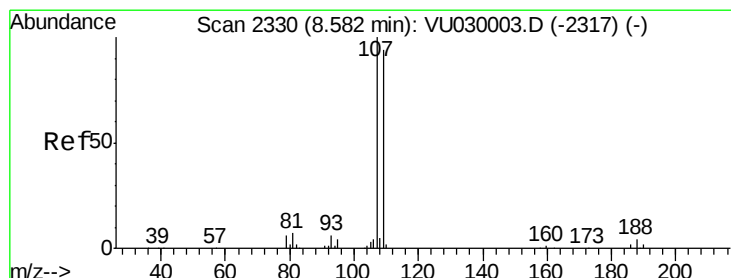
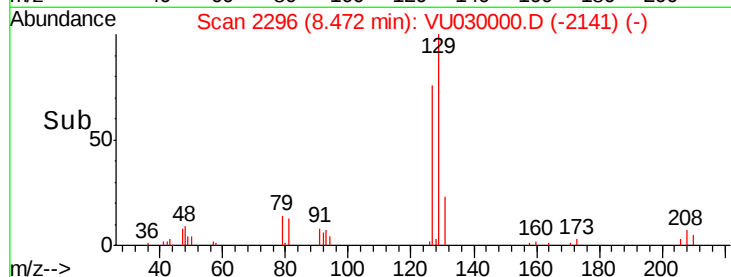
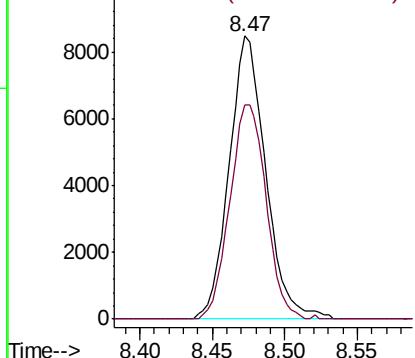
#55
Dibromochloromethane
Concen: 0.996 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:129 Resp: 14859
Ion Ratio Lower Upper
129 100
127 74.8 62.4 93.6

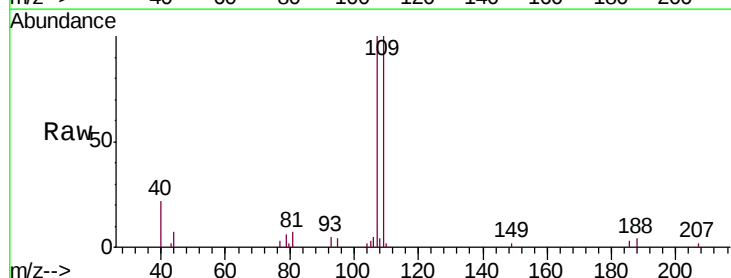


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

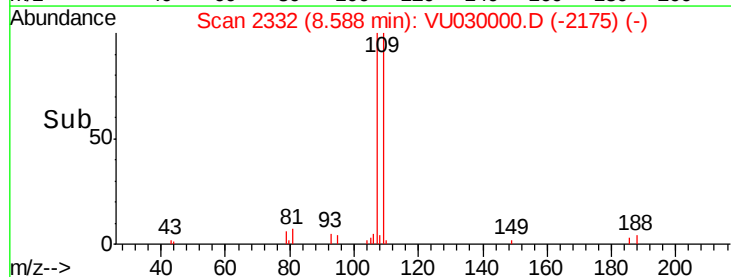
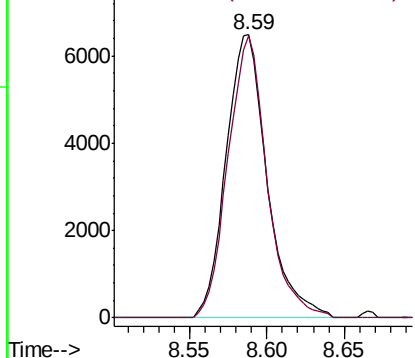


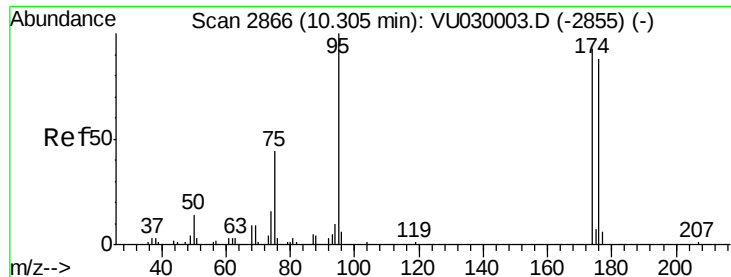
#56
1,2-Dibromoethane
Concen: 1.000 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:107 Resp: 11940
Ion Ratio Lower Upper
107 100
109 94.3 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

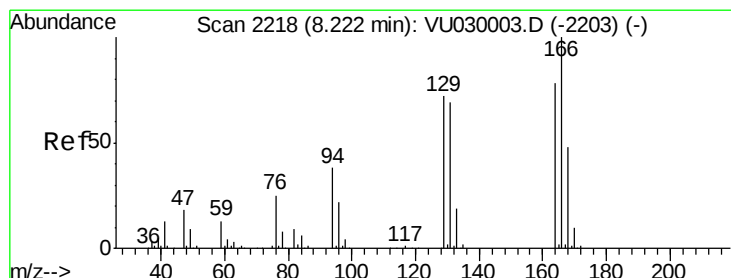
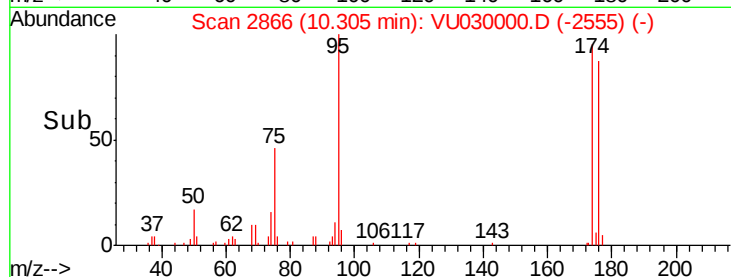
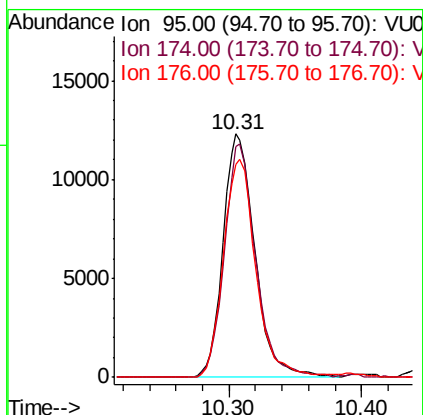
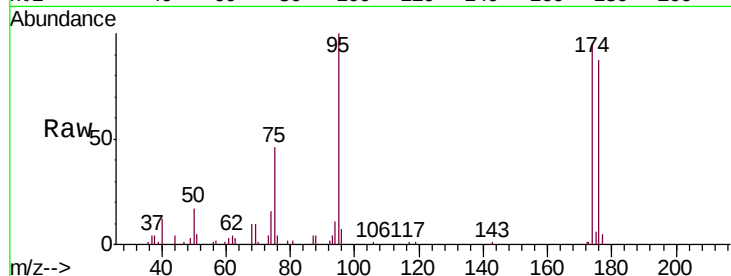




#57
4-Bromofluorobenzene
Concen: 1.000 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

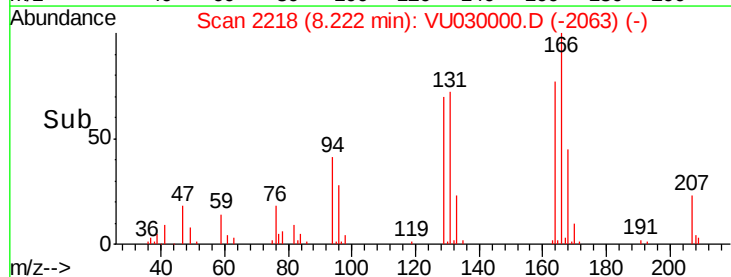
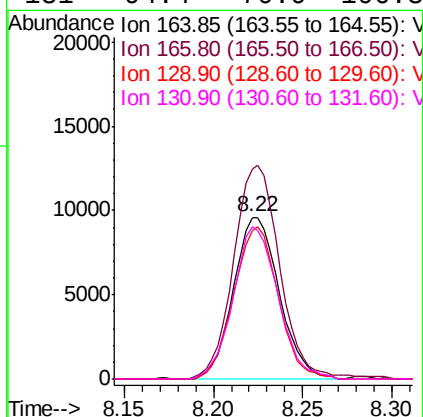
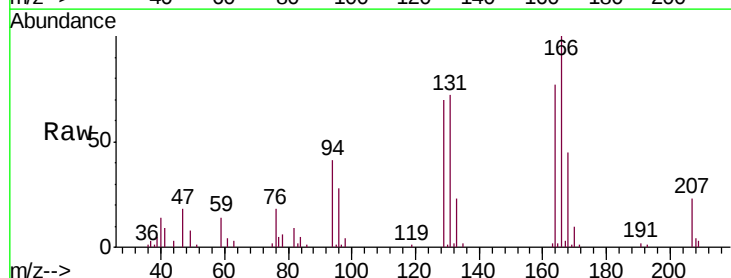
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

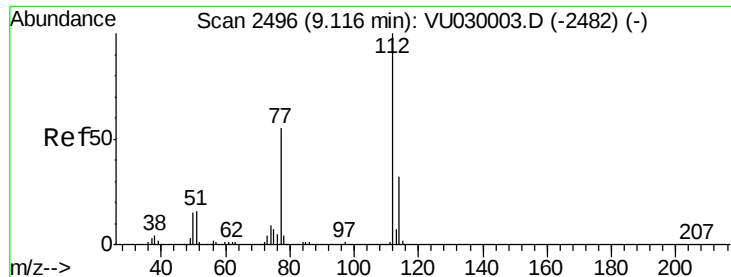
Tgt Ion: 95 Resp: 20526
Ion Ratio Lower Upper
95 100
174 94.3 78.1 117.1
176 91.4 70.8 106.2



#58
Tetrachloroethene
Concen: 0.982 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 164 Resp: 17130
Ion Ratio Lower Upper
164 100
166 130.4 103.2 154.8
129 91.7 74.5 111.7
131 94.4 70.9 106.3

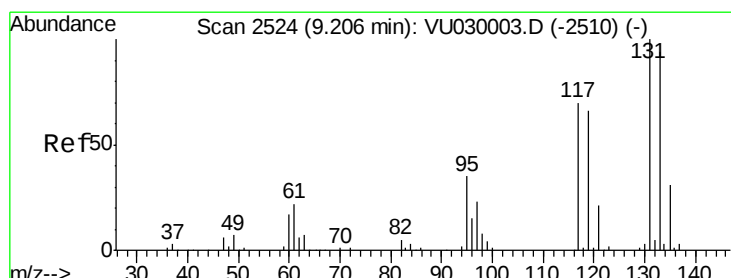
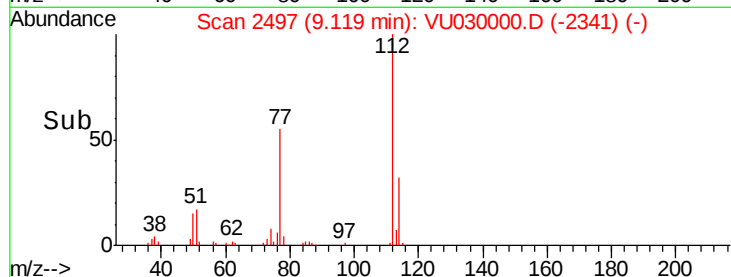
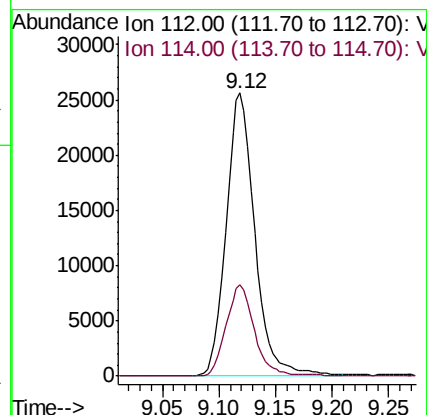
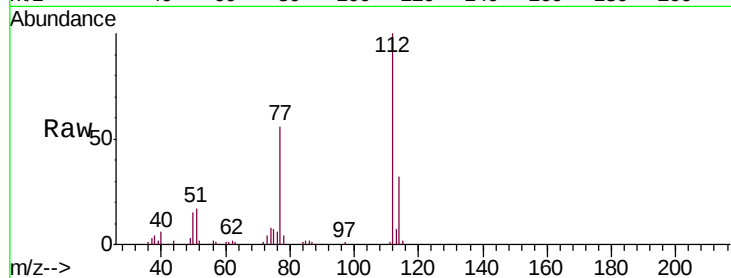




#59
Chlorobenzene
Concen: 0.984 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

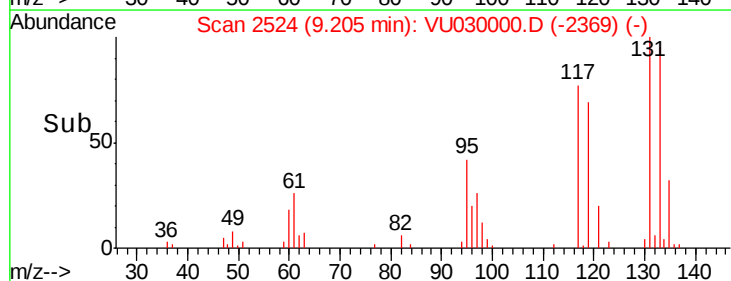
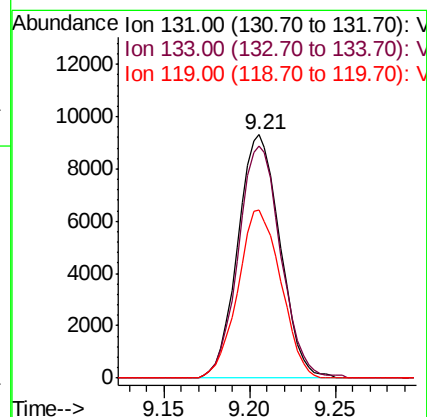
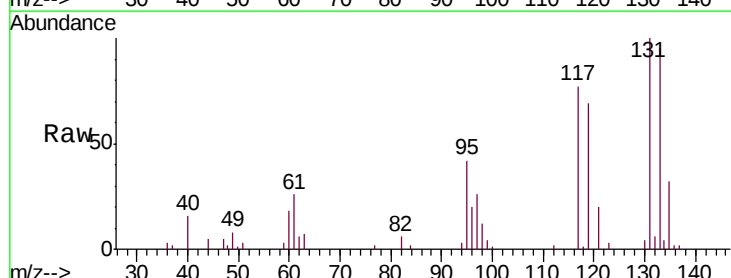
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

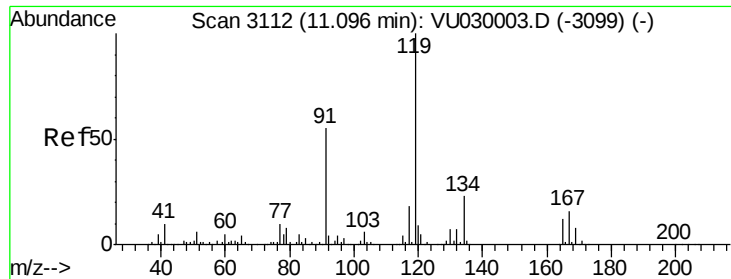
Tgt Ion:112 Resp: 45176
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#60
1,1,1,2-Tetrachloroethane
Concen: 0.980 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:131 Resp: 15900
Ion Ratio Lower Upper
131 100
133 96.2 75.6 113.4
119 70.2 53.3 79.9





#61

Pentachloroethane

Concen: 1.039 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

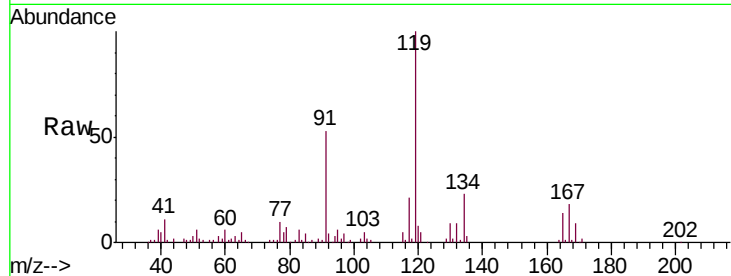
VSTDIC001

Tgt Ion:117 Resp: 13013

Ion Ratio Lower Upper

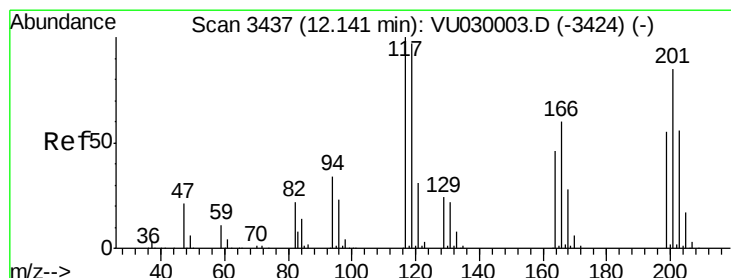
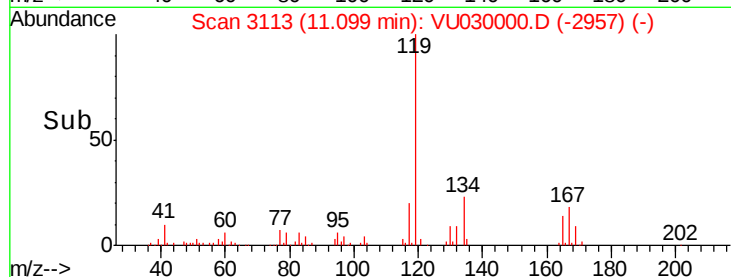
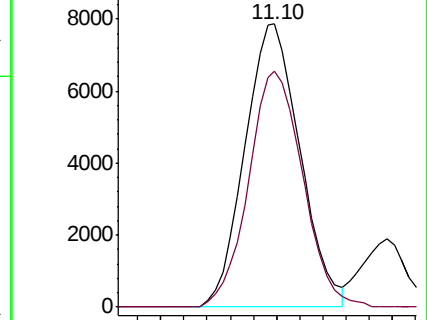
117 100

167 81.9 73.1 109.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.966 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU030000.D

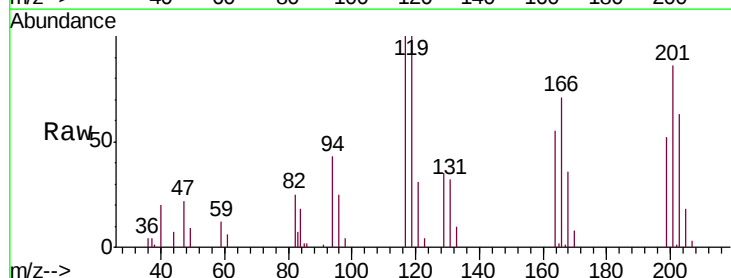
Acq: 12 Mar 2019 10:27

Tgt Ion:117 Resp: 12188

Ion Ratio Lower Upper

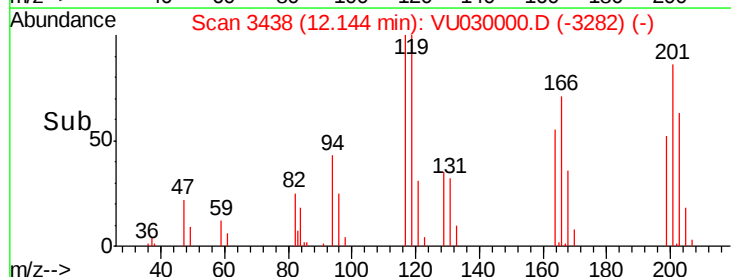
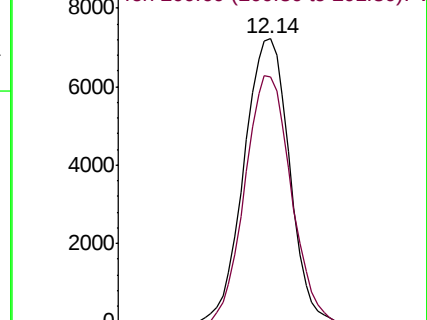
117 100

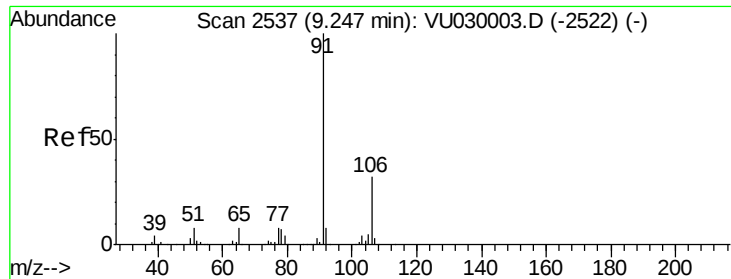
201 88.4 69.5 104.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

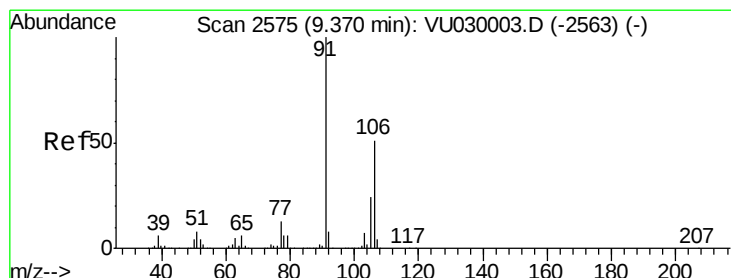
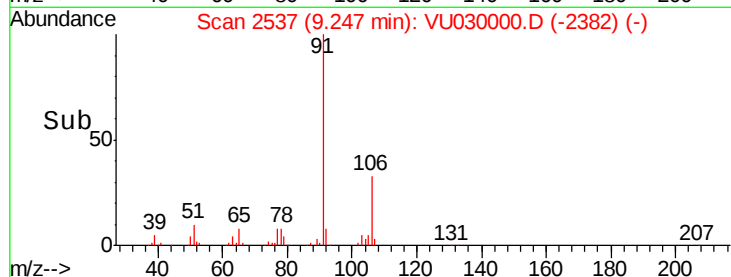
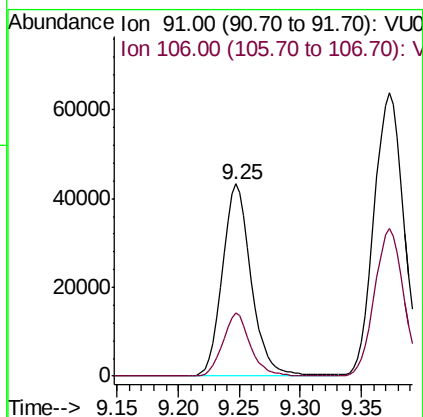
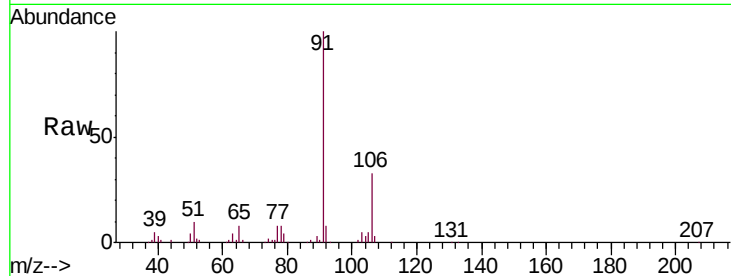




#63
Ethyl Benzene
Concen: 0.956 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

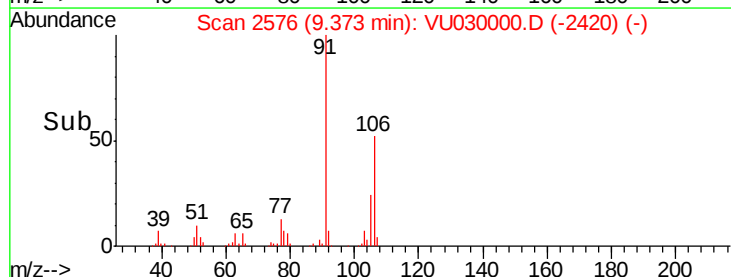
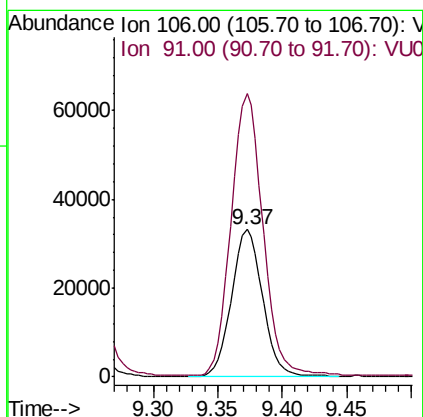
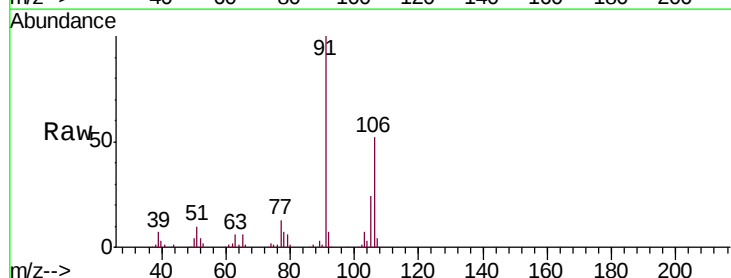
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

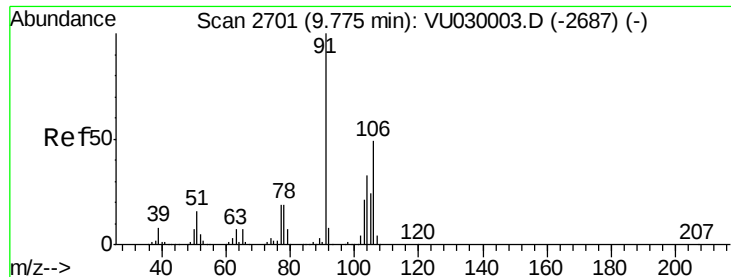
Tgt Ion: 91 Resp: 72116
Ion Ratio Lower Upper
91 100
106 32.9 25.7 38.5



#64
m/p-Xylenes
Concen: 1.885 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 106 Resp: 55939
Ion Ratio Lower Upper
106 100
91 196.2 157.9 236.9





#65

o-Xylene

Concen: 0.977 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

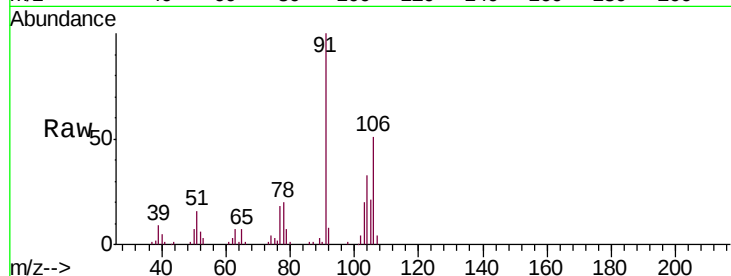
VSTDIC001

Tgt Ion:106 Resp: 28444

Ion Ratio Lower Upper

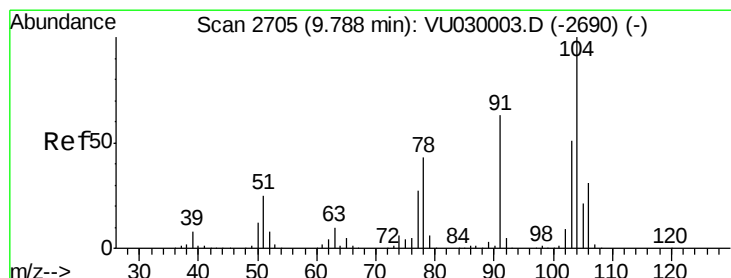
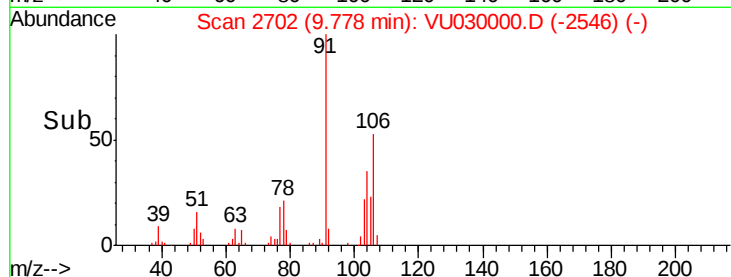
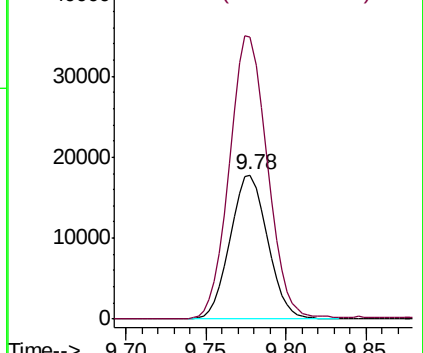
106 100

91 199.6 103.2 309.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.940 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

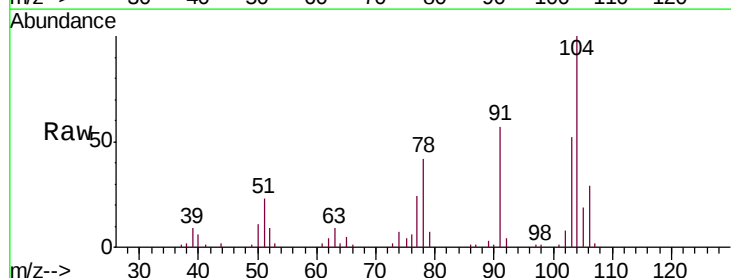
Tgt Ion:104 Resp: 44823

Ion Ratio Lower Upper

104 100

78 46.4 37.0 55.4

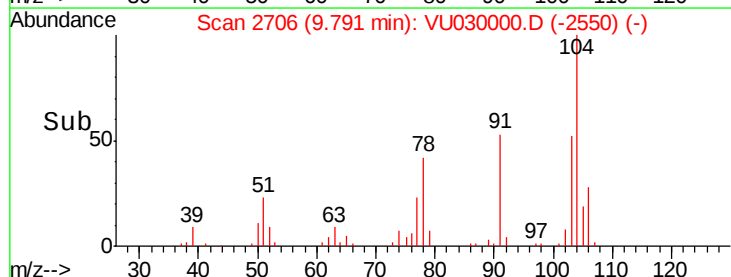
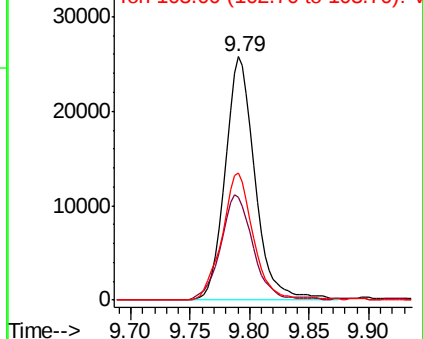
103 54.3 43.8 65.6

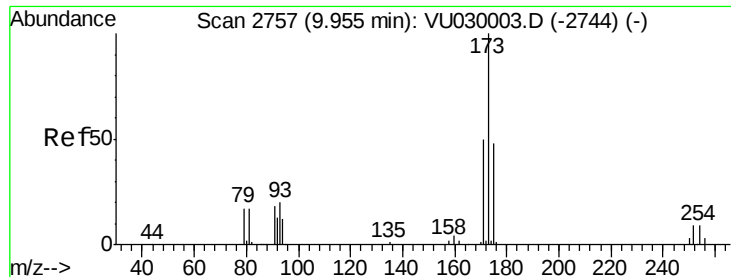


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.935 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

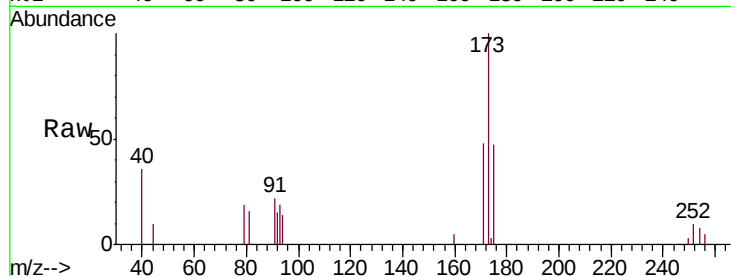
Tgt Ion:173 Resp: 7974

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.4

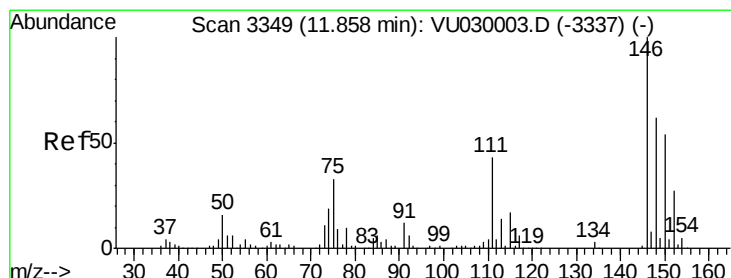
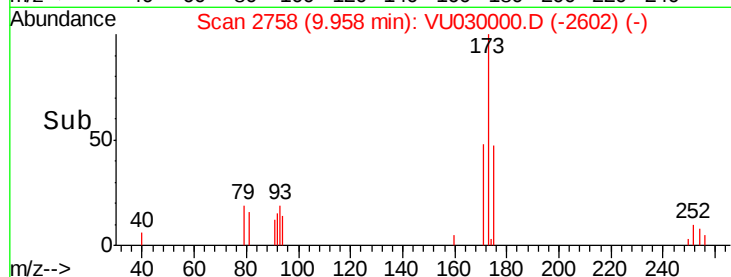
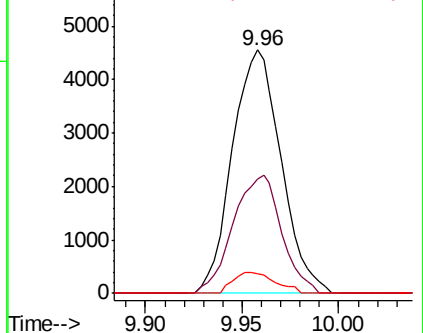
254 7.3 7.0 10.4



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: 0.935 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

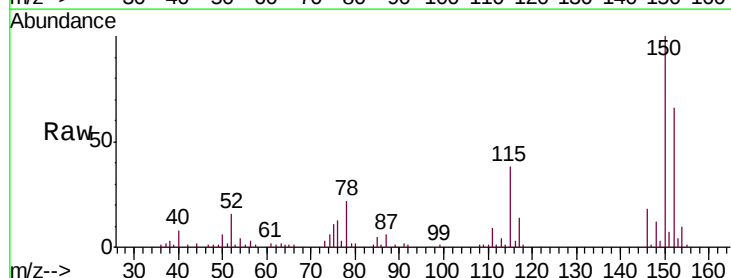
Tgt Ion:152 Resp: 24836

Ion Ratio Lower Upper

152 100

115 65.2 0.0 126.8

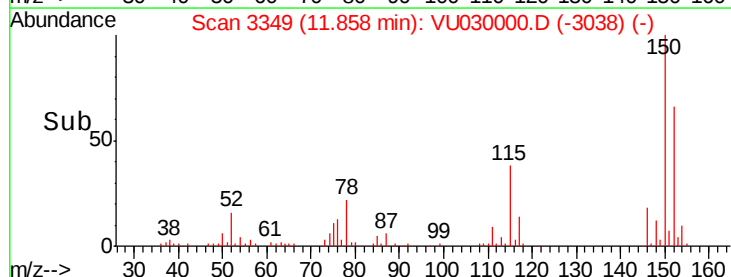
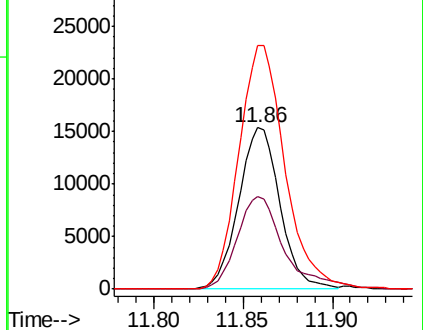
150 168.1 0.0 634.2

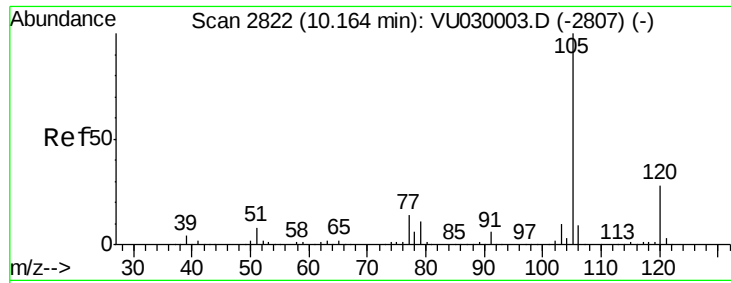


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.944 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

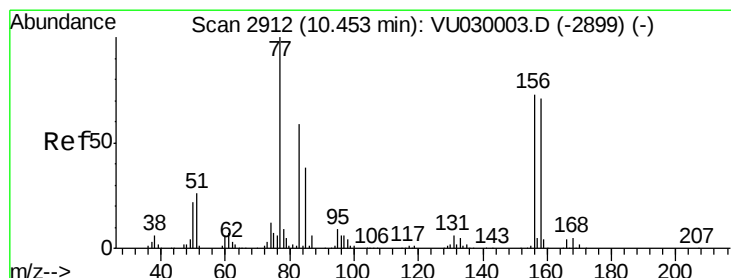
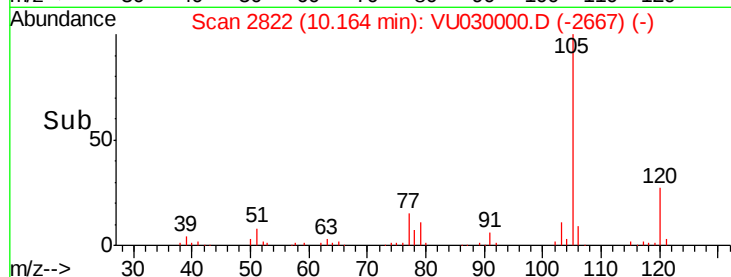
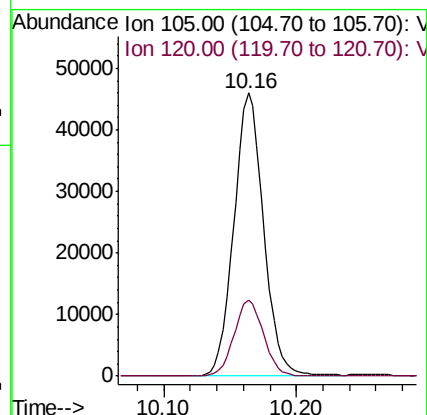
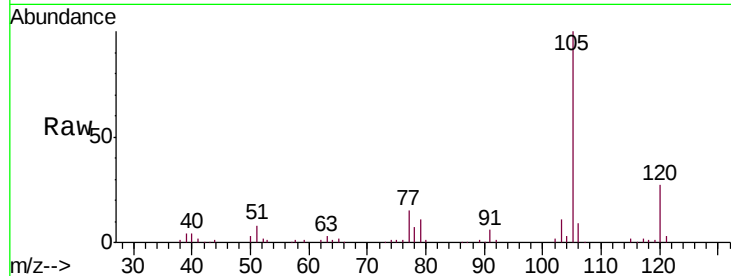
VSTDIC001

Tgt Ion:105 Resp: 71638

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.003 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

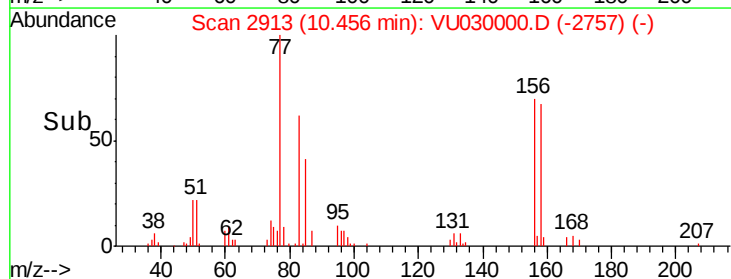
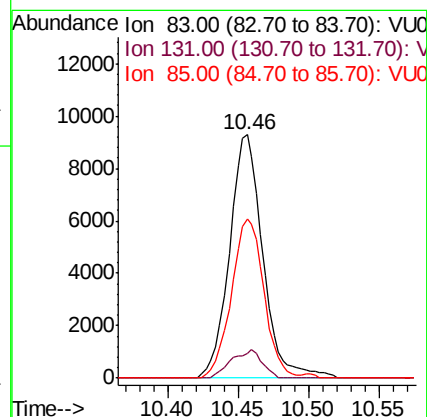
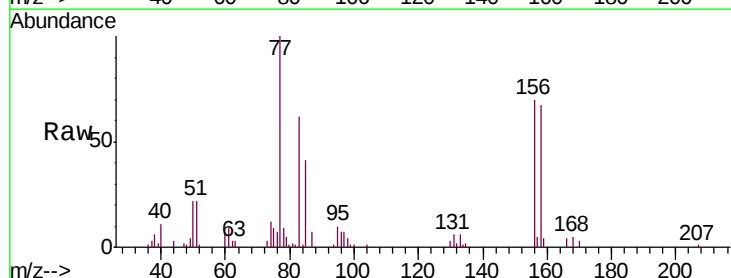
Tgt Ion: 83 Resp: 15333

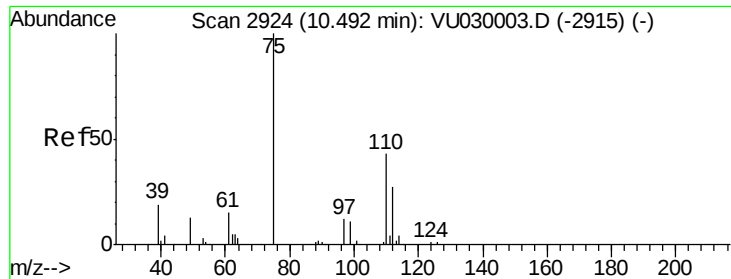
Ion Ratio Lower Upper

83 100

131 10.7 8.4 12.6

85 63.8 52.6 78.8

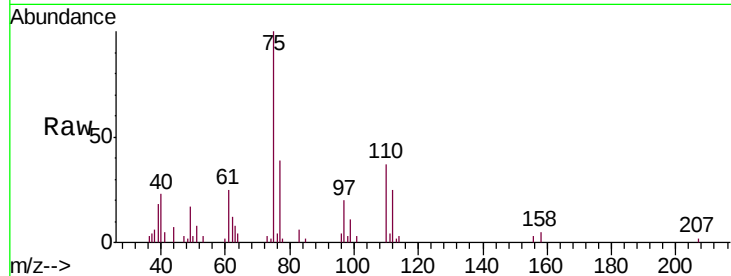




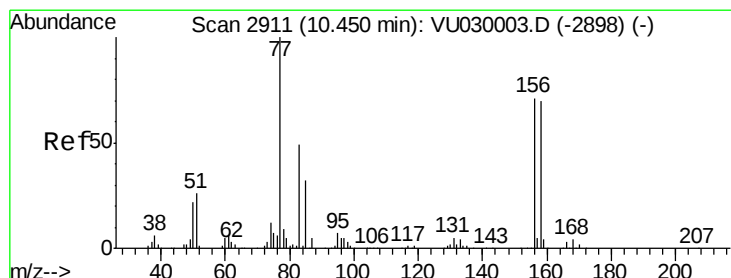
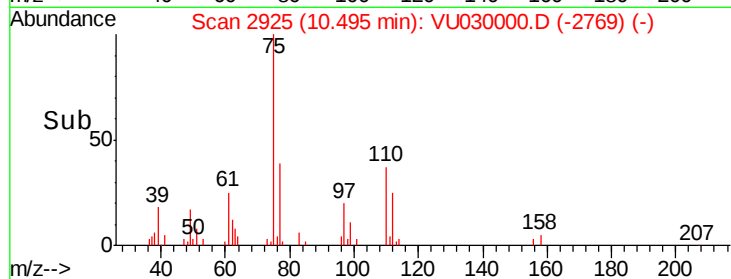
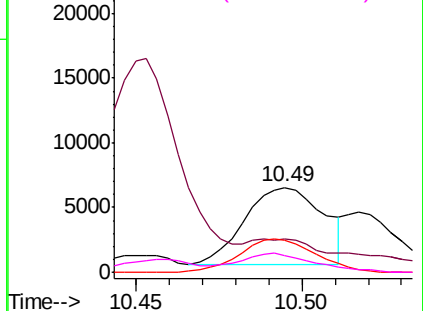
#71
 1,2,3-Trichloropropane
 Concen: 0.871 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	75	Resp:	9887
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	41.5	0.0	76.8
97	23.3	0.0	40.8

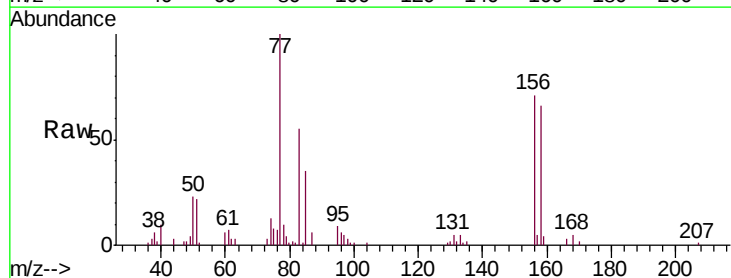


Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-2915) (-)
 Ion 77.00 (76.70 to 77.70): VU030003.D (-2915) (-)
 Ion 110.00 (109.70 to 110.70): VU030003.D (-2915) (-)
 Ion 97.00 (96.70 to 97.70): VU030003.D (-2915) (-)

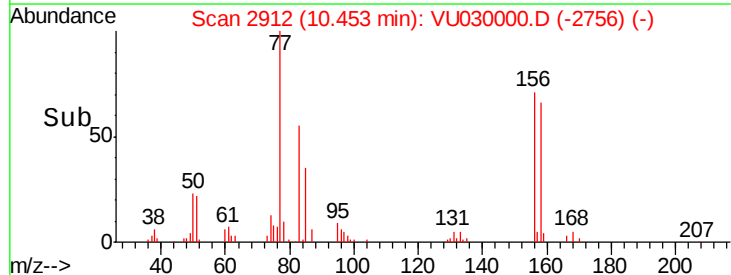
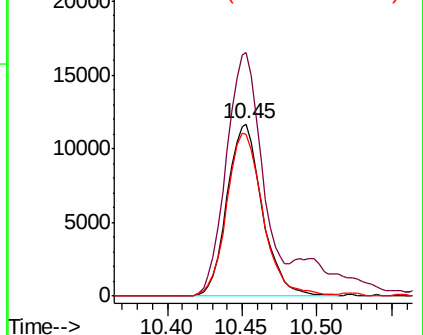


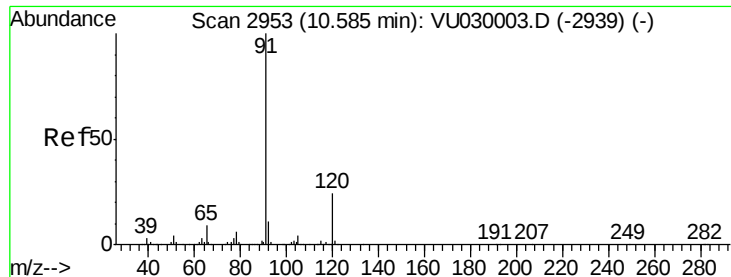
#72
 Bromobenzene
 Concen: 0.964 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion:	156	Resp:	19191
Ion	Ratio	Lower	Upper
156	100		
77	142.8	0.0	278.6
158	97.4	0.0	195.2



Abundance Ion 156.00 (155.70 to 156.70): VU030003.D (-2898) (-)
 Ion 77.00 (76.70 to 77.70): VU030003.D (-2898) (-)
 Ion 158.00 (157.70 to 158.70): VU030003.D (-2898) (-)

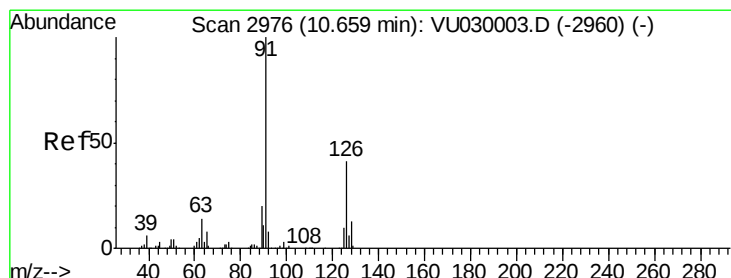
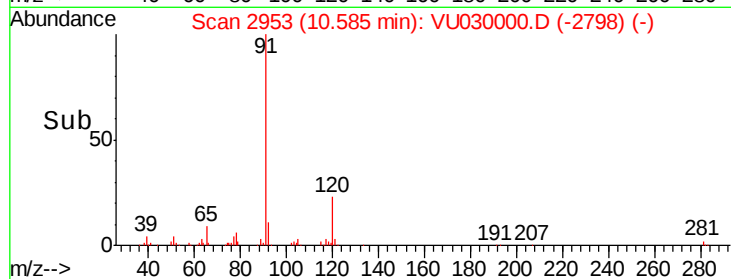
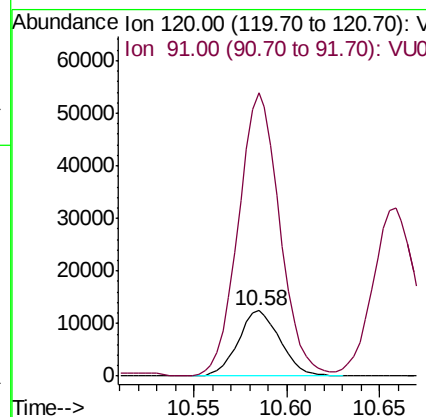
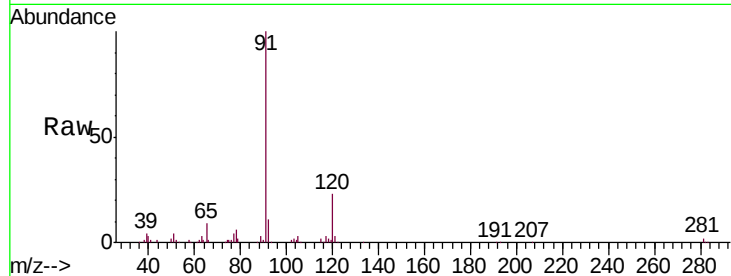




#73
n-propylbenzene
Concen: 0.906 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

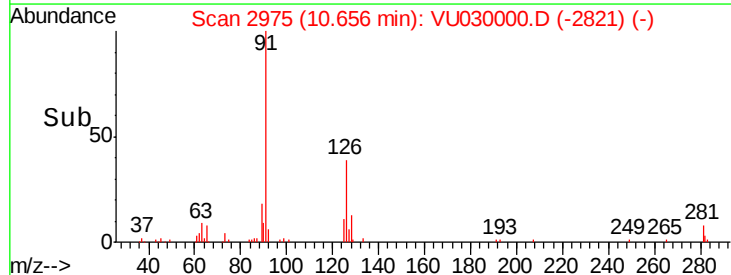
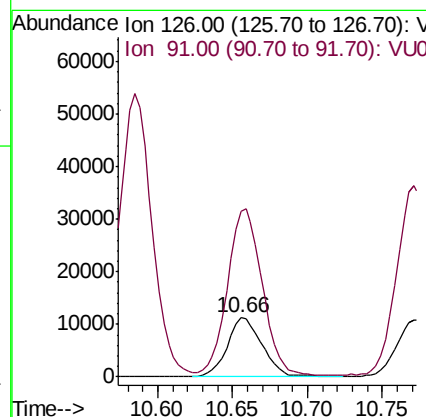
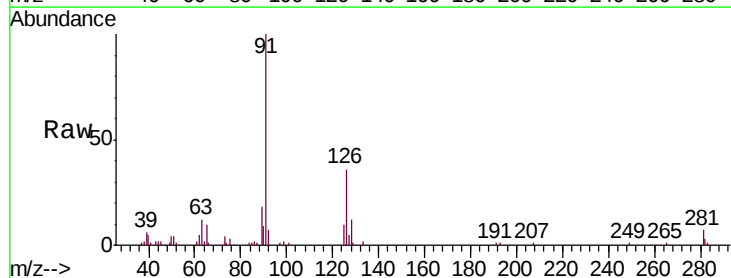
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

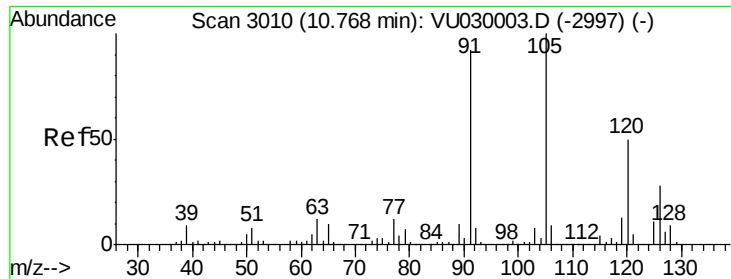
Tgt Ion:120 Resp: 19509
Ion Ratio Lower Upper
120 100
91 427.5 335.4 503.0



#74
2-Chlorotoluene
Concen: 0.968 ug/l
RT: 10.66 min Scan# 2975
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:126 Resp: 18256
Ion Ratio Lower Upper
126 100
91 282.3 0.0 561.0





#75

1,3,5-Trimethylbenzene

Concen: 0.918 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

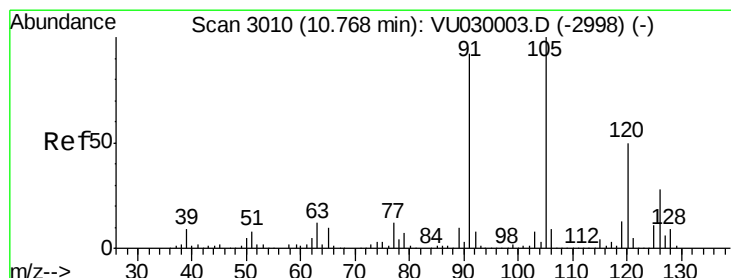
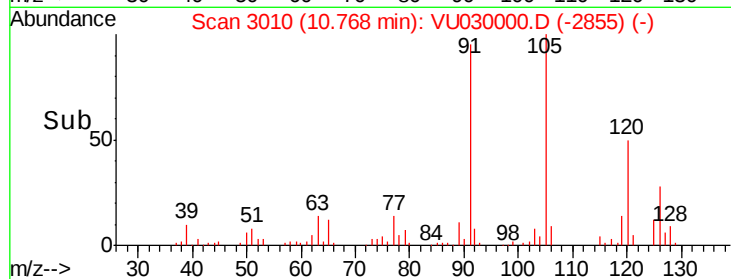
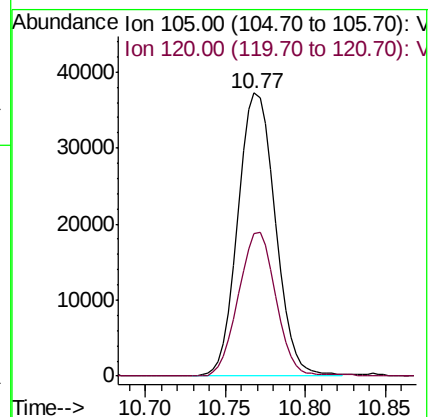
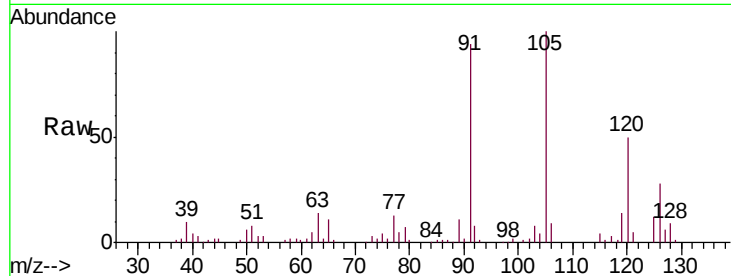
VSTDIC001

Tgt Ion:105 Resp: 59332

Ion Ratio Lower Upper

105 100

120 50.9 39.8 59.8



#76

4-Chlorotoluene

Concen: 0.956 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030000.D

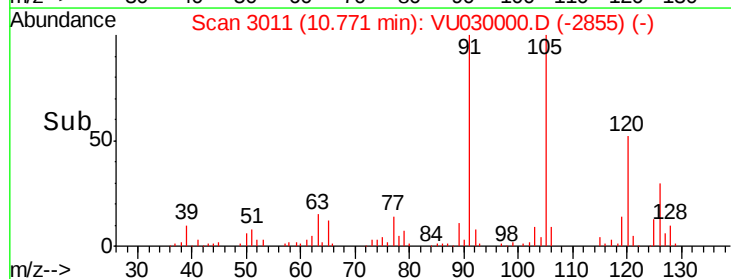
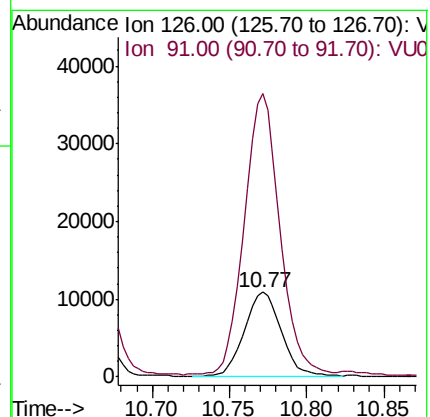
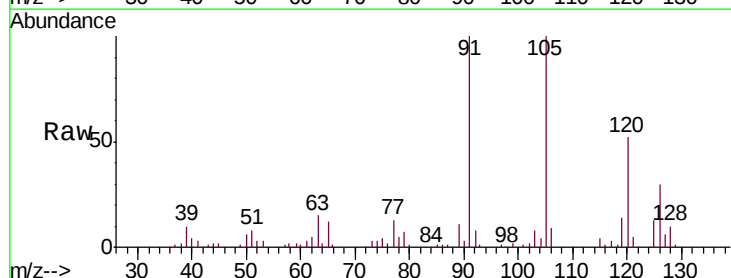
Acq: 12 Mar 2019 10:27

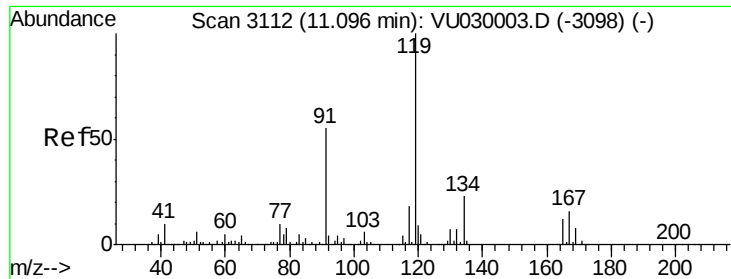
Tgt Ion:126 Resp: 18393

Ion Ratio Lower Upper

126 100

91 313.7 0.0 641.8

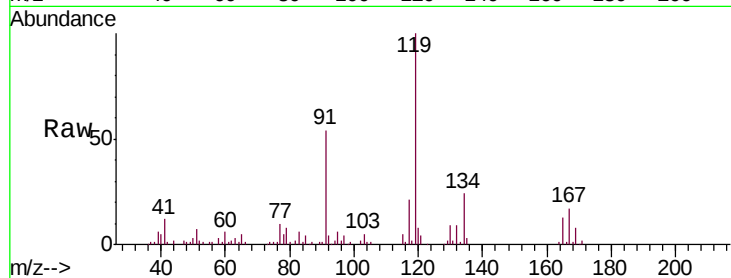




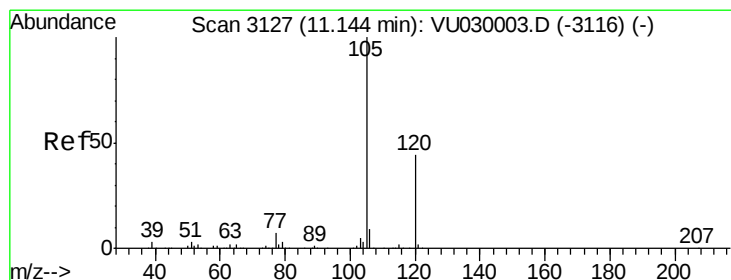
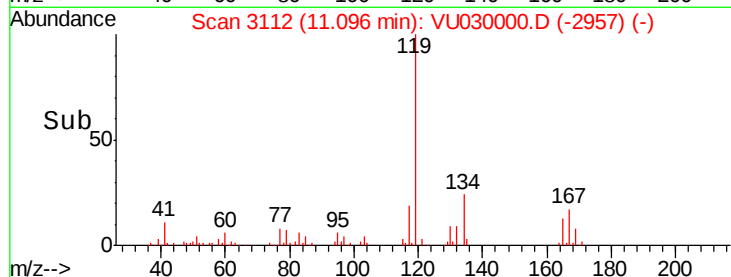
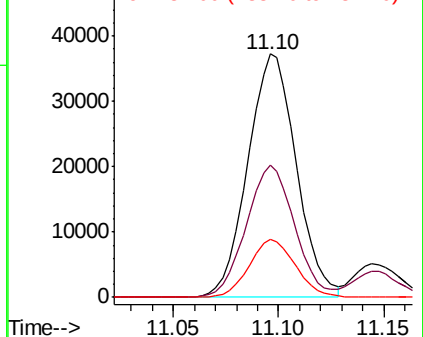
#77
 tert-Butylbenzene
 Concen: 0.940 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:119 Resp: 59516
 Ion Ratio Lower Upper
 119 100
 91 53.8 27.6 82.8
 134 22.7 18.7 28.1

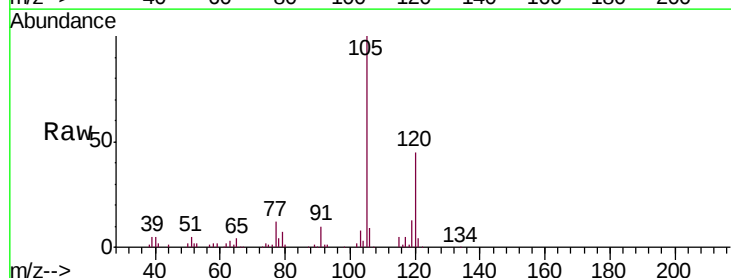


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

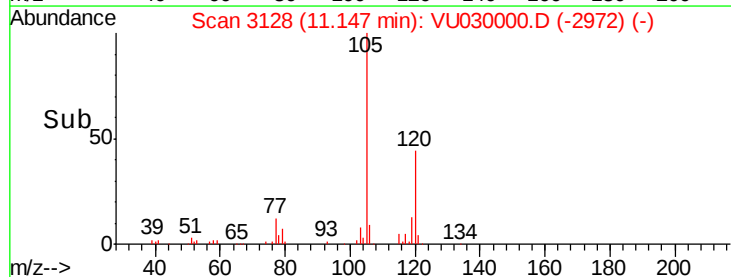
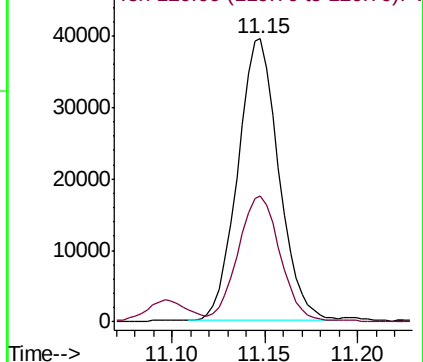


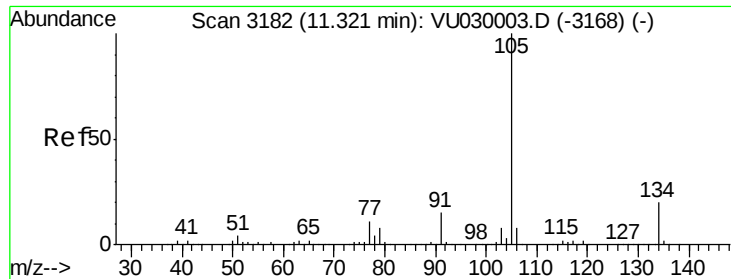
#78
 1,2,4-Trimethylbenzene
 Concen: 0.923 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion:105 Resp: 60716
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.948 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

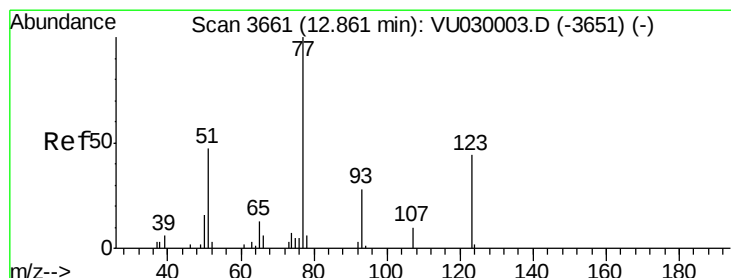
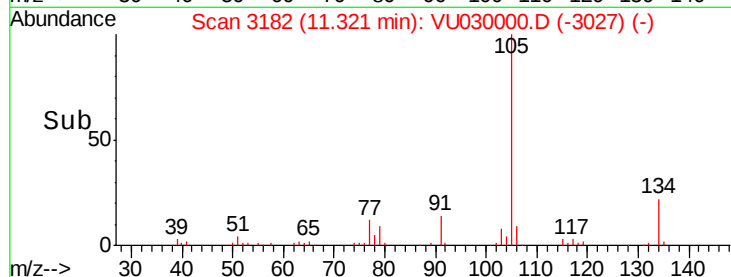
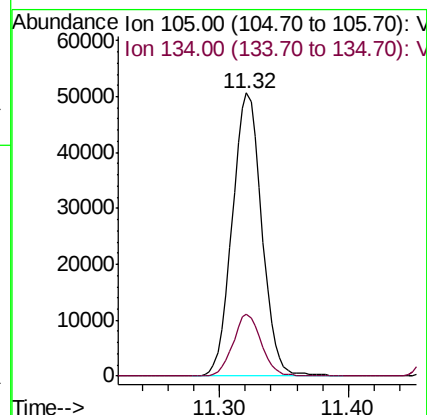
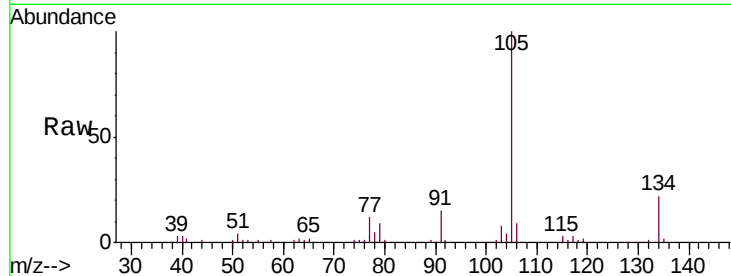
VSTDIC001

Tgt Ion: 105 Resp: 80350

Ion Ratio Lower Upper

105 100

134 20.8 16.1 24.1



#80

Nitrobenzene

Concen: 2.333 ug/l

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

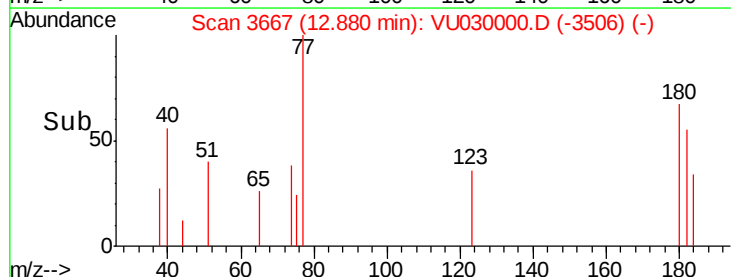
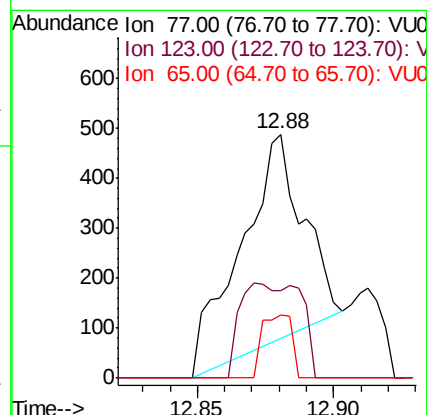
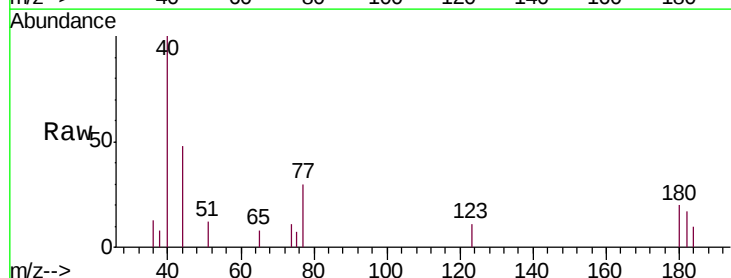
Tgt Ion: 77 Resp: 666

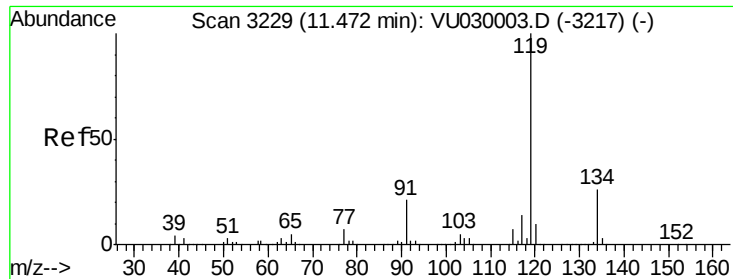
Ion Ratio Lower Upper

77 100

123 44.7 19.9 70.5

65 13.8 10.8 13.8#

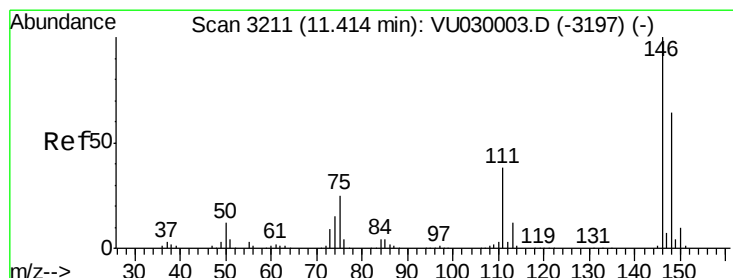
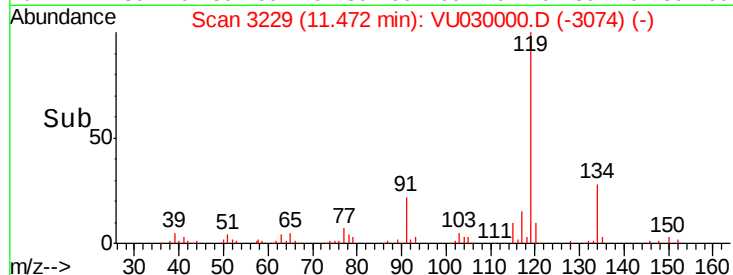
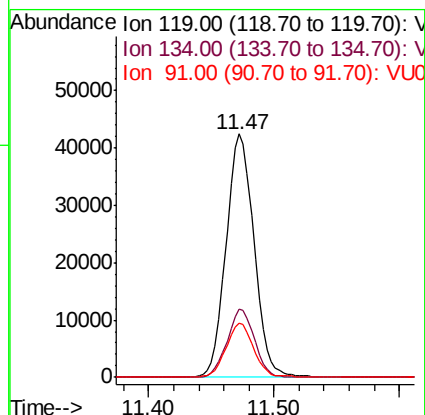
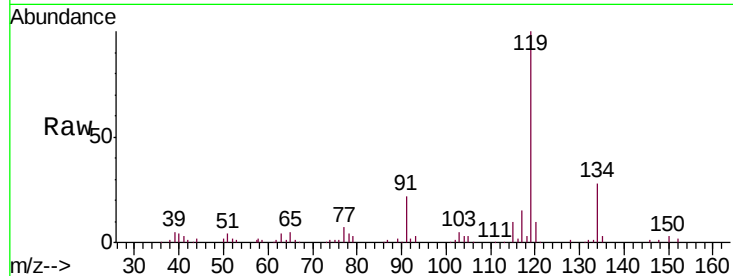




#81
p-Isopropyltoluene
Concen: 0.922 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

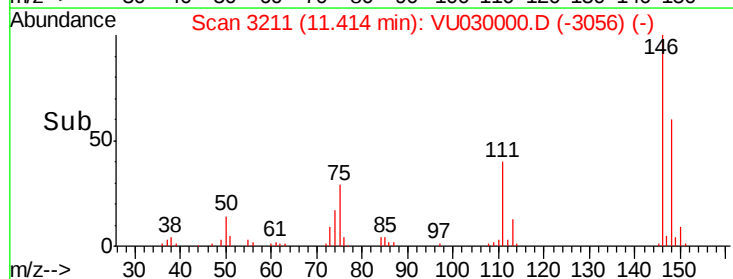
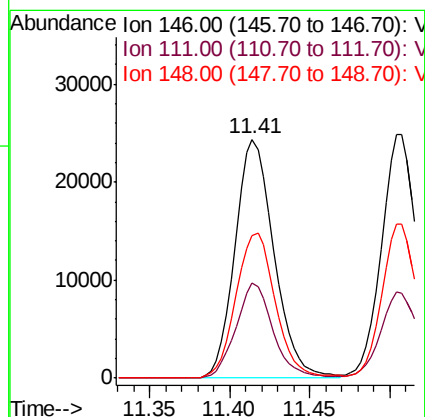
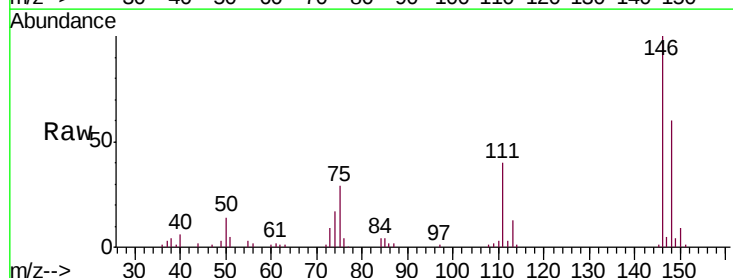
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

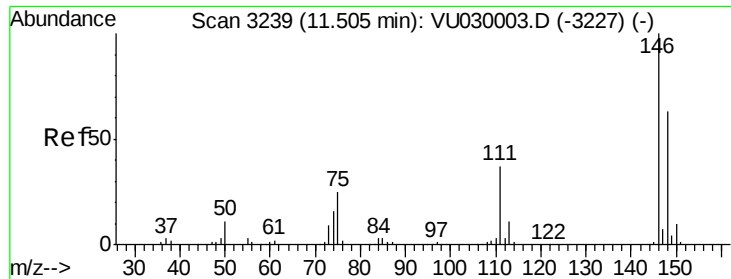
Tgt Ion:119 Resp: 65598
Ion Ratio Lower Upper
119 100
134 27.3 21.2 31.8
91 22.2 17.0 25.6



#82
1,3-Dichlorobenzene
Concen: 1.007 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:146 Resp: 40493
Ion Ratio Lower Upper
146 100
111 37.8 30.3 45.5
148 61.6 51.1 76.7

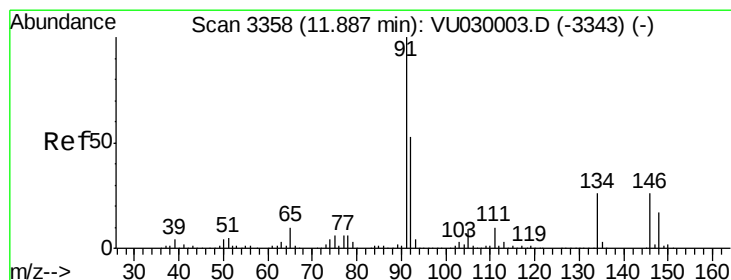
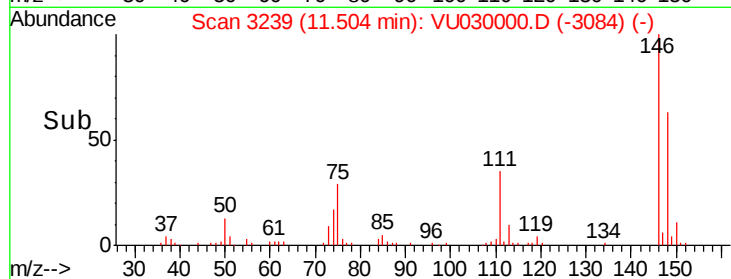
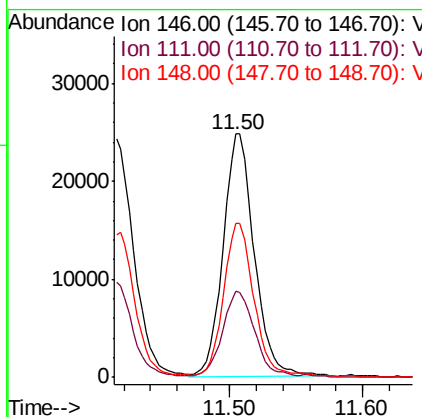
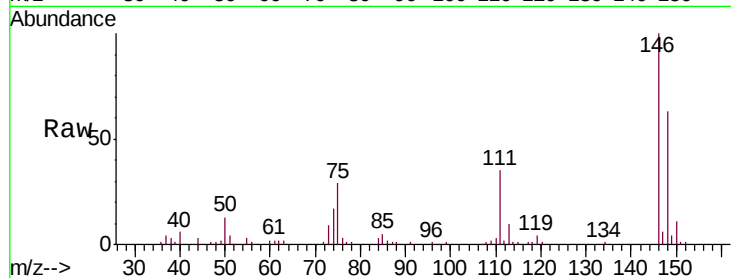




#83
 1,4-Dichlorobenzene
 Concen: 0.995 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

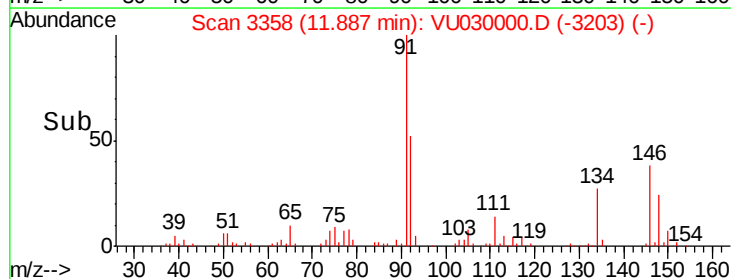
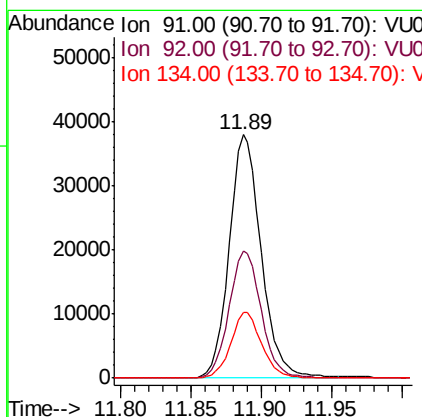
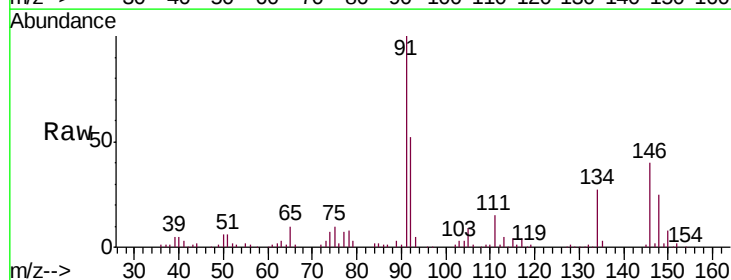
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

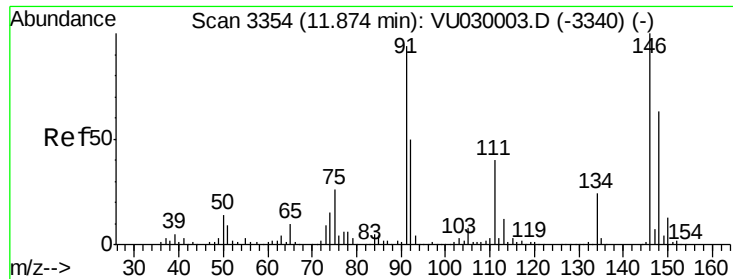
Tgt Ion: 146 Resp: 40208
 Ion Ratio Lower Upper
 146 100
 111 35.4 29.3 43.9
 148 61.9 50.6 76.0



#84
 n-Butylbenzene
 Concen: 0.907 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 91 Resp: 60280
 Ion Ratio Lower Upper
 91 100
 92 52.6 42.4 63.6
 134 26.1 21.4 32.0

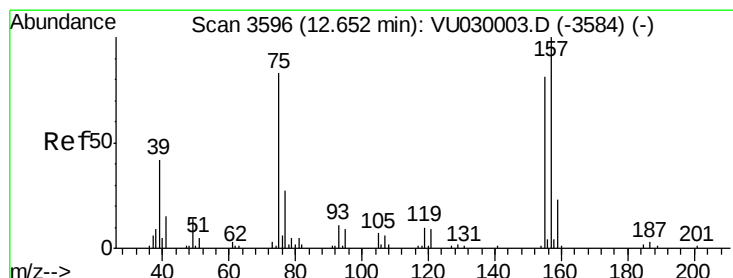
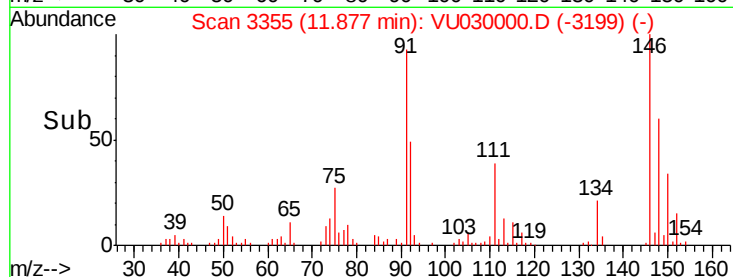
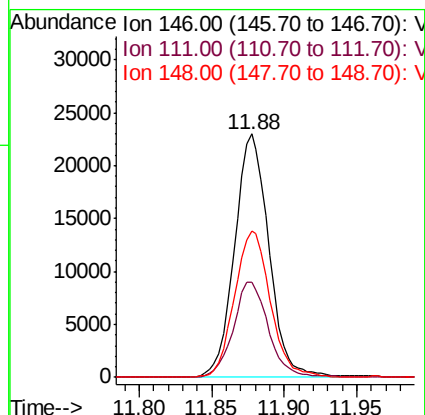
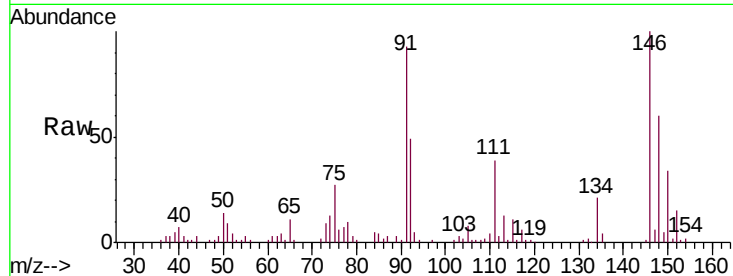




#85
 1,2-Dichlorobenzene
 Concen: 1.008 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

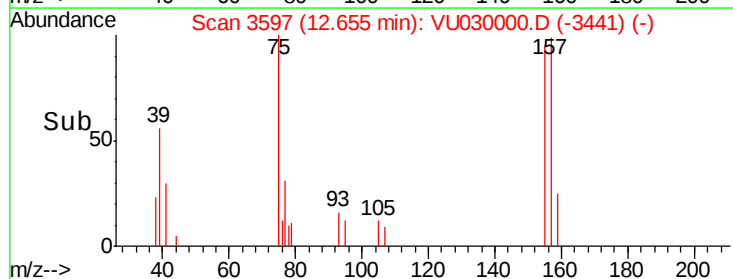
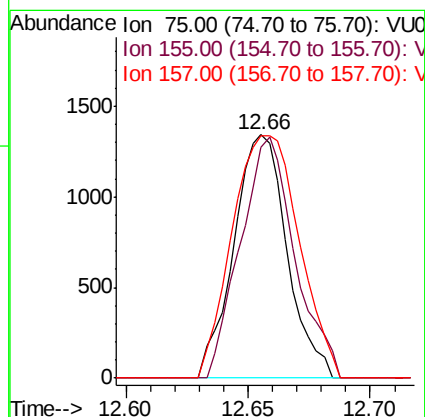
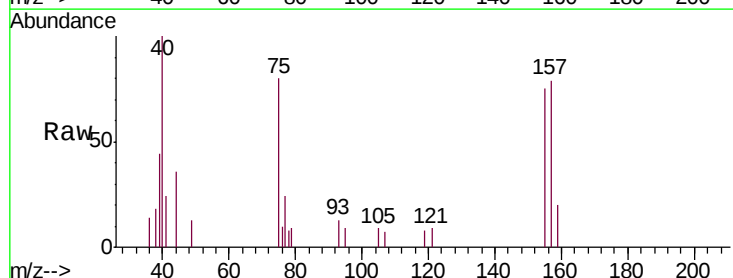
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

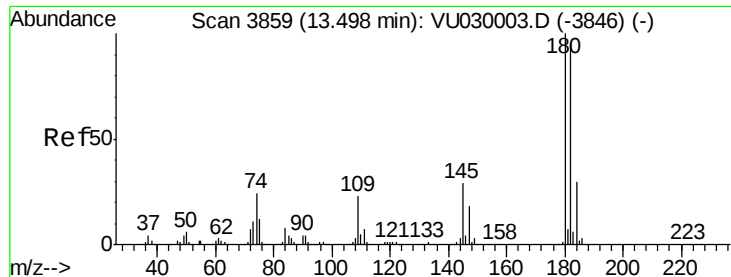
Tgt Ion: 146 Resp: 37703
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.7
 148 62.8 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.921 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 75 Resp: 2029
 Ion Ratio Lower Upper
 75 100
 155 101.2 78.2 117.4
 157 125.9 97.2 145.8

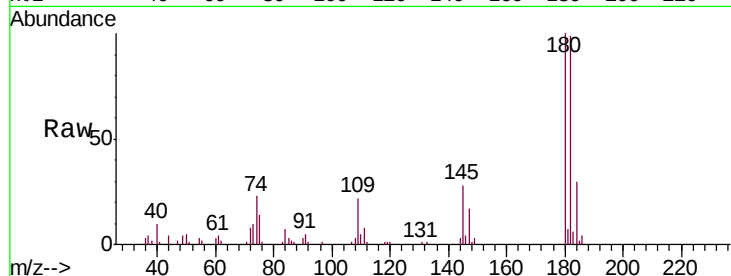




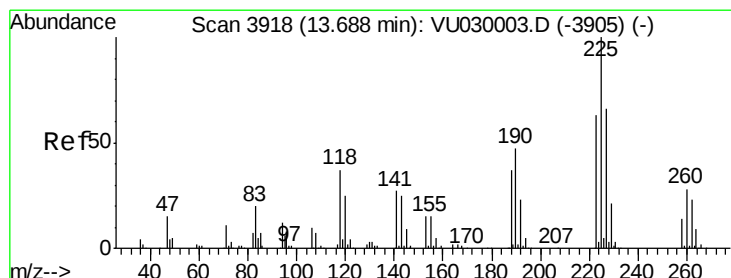
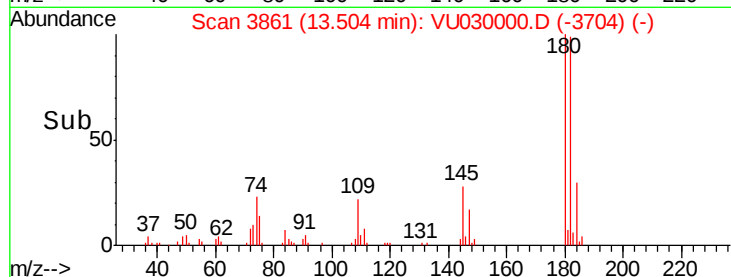
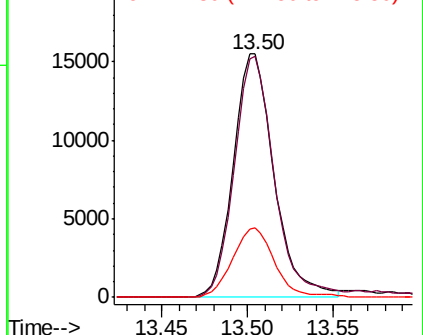
#87
 1,2,4-Trichlorobenzene
 Concen: 0.951 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 25680
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.2
 145 28.7 23.0 34.6

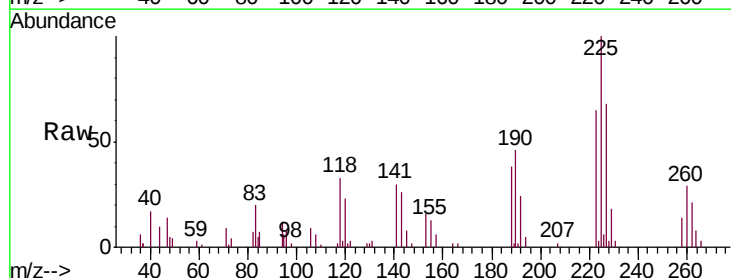


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

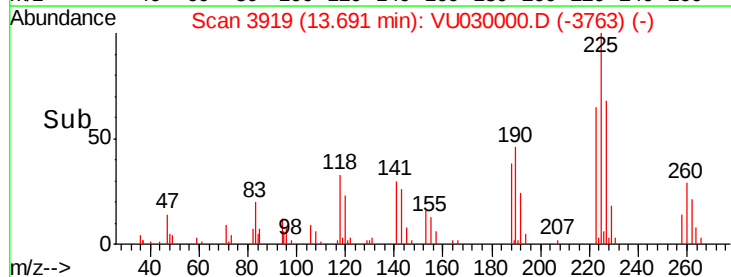
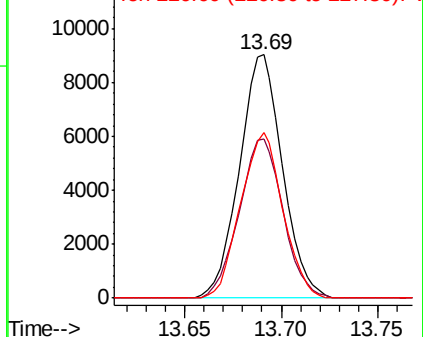


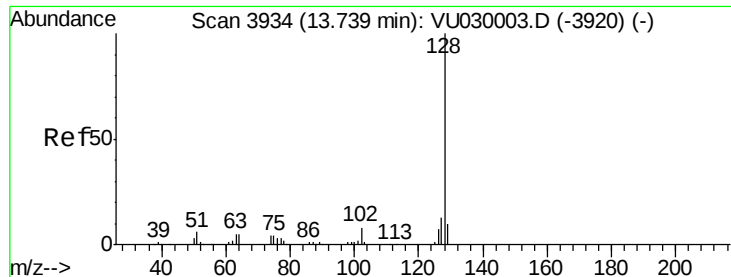
#88
 Hexachlorobutadiene
 Concen: 0.957 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion:225 Resp: 14003
 Ion Ratio Lower Upper
 225 100
 223 66.4 50.7 76.1
 227 66.4 52.6 78.8



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: 0.849 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

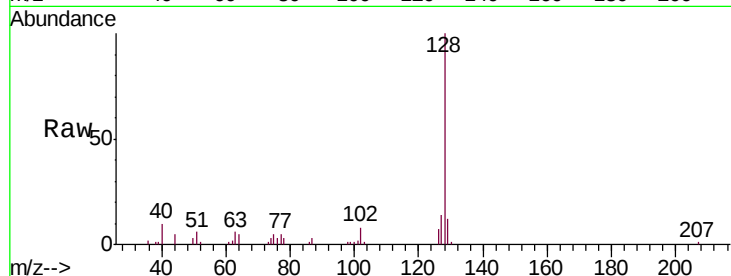
Tgt Ion:128 Resp: 35934

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

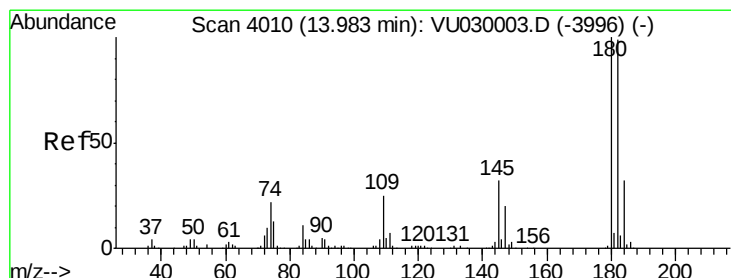
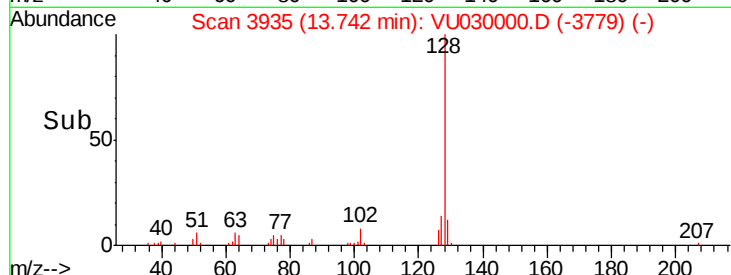
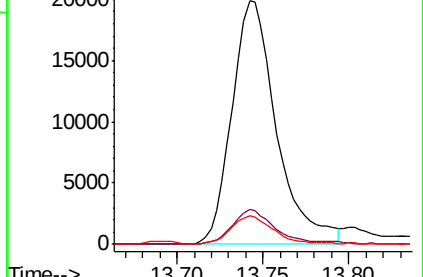
129 11.3 8.5 12.7



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: 0.961 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

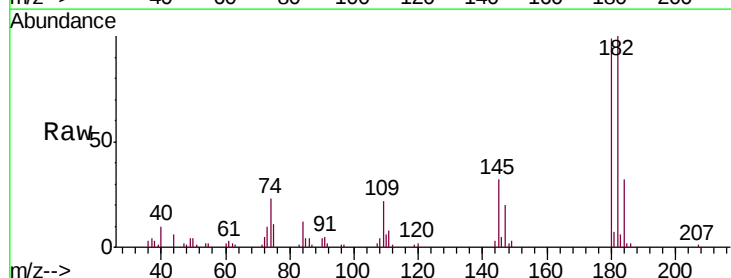
Tgt Ion:180 Resp: 23499

Ion Ratio Lower Upper

180 100

182 97.6 77.6 116.4

145 28.5 24.7 37.1



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

