

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028330.D
 Acq On : 26 Nov 2018 11:01
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 27 00:43:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	49948	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.30	95	19054	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17750	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	88662	4.935 ug/l	99
3) Chloromethane	1.32	50	140928	4.608 ug/l	99
4) Vinyl Chloride	1.40	62	104079	4.973 ug/l	98
5) Bromomethane	1.63	94	39537	4.795 ug/l	94
6) Chloroethane	1.70	64	57995	4.746 ug/l	99
7) Trichlorofluoromethane	1.89	101	114032	4.989 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	64584	4.912 ug/l	98
9) 1,1-Dichloroethene	2.29	96	61845	5.086 ug/l	94
10) Iodomethane	2.41	142	41230	5.013 ug/l	98
11) Allyl Chloride	2.59	41	155148	5.054 ug/l	99
12) Acrylonitrile	2.95	53	37128	9.585 ug/l	98
13) Acetone	2.33	43	80565	22.444 ug/l	96
14) Carbon Disulfide	2.48	76	228591	4.949 ug/l	99
15) Methylene Chloride	2.70	84	71476	4.820 ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	66167	4.862 ug/l	100
17) 1,1-Dichloroethane	3.44	63	150210	4.951 ug/l	100
18) 2-Butanone	4.28	43	131246	24.468 ug/l	100
19) Cyclohexane	4.99	56	128945	4.896 ug/l	96
20) Methylcyclohexane	6.41	83	129272	5.014 ug/l	99
21) 2,2-Dichloropropane	4.22	77	119825	4.921 ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	79478	4.990 ug/l	97
23) Diethyl Ether	2.11	59	59605	4.889 ug/l	99
24) tert-Butyl Alcohol	2.86	59	62178	52.730 ug/l	98
25) Methyl tert-Butyl Ether	3.01	73	181746	5.031 ug/l	99
26) Bromochloromethane	4.55	128	30083	4.955 ug/l	95
27) Chloroform	4.67	83	140329	4.796 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	114022	4.990 ug/l	100
29) 1,1-Dichloropropene	5.13	75	108727	4.960 ug/l	99
30) Carbon Tetrachloride	5.13	117	90837	4.923 ug/l	98
31) Isopropyl Ether	3.58	45	270244	4.974 ug/l	99
32) Ethyl-t-butyl ether	4.08	59	225478	5.039 ug/l	99
33) Tert-Amyl methyl ether	5.58	73	185696	5.002 ug/l	99
34) Propionitrile	4.34	54	34494	25.599 ug/l #	97
35) Benzene	5.39	78	321781	4.987 ug/l	99
36) 1,2-Dichloroethane	5.40	62	94679	4.906 ug/l	99
37) Trichloroethene	6.18	130	69552	4.949 ug/l	99
38) 1,2-Dichloropropane	6.43	63	92535	5.028 ug/l	93
39) Methacrylonitrile	4.55	41	34037	4.716 ug/l	97
40) Methyl acrylate	4.43	55	46773	4.710 ug/l	98
41) Tetrahydrofuran	4.66	42	35936	9.905 ug/l	98
42) 1-Chlorobutane	5.06	56	171934	4.934 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0112618\
 Data File : VU028330.D
 Acq On : 26 Nov 2018 11:01
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 27 00:43:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

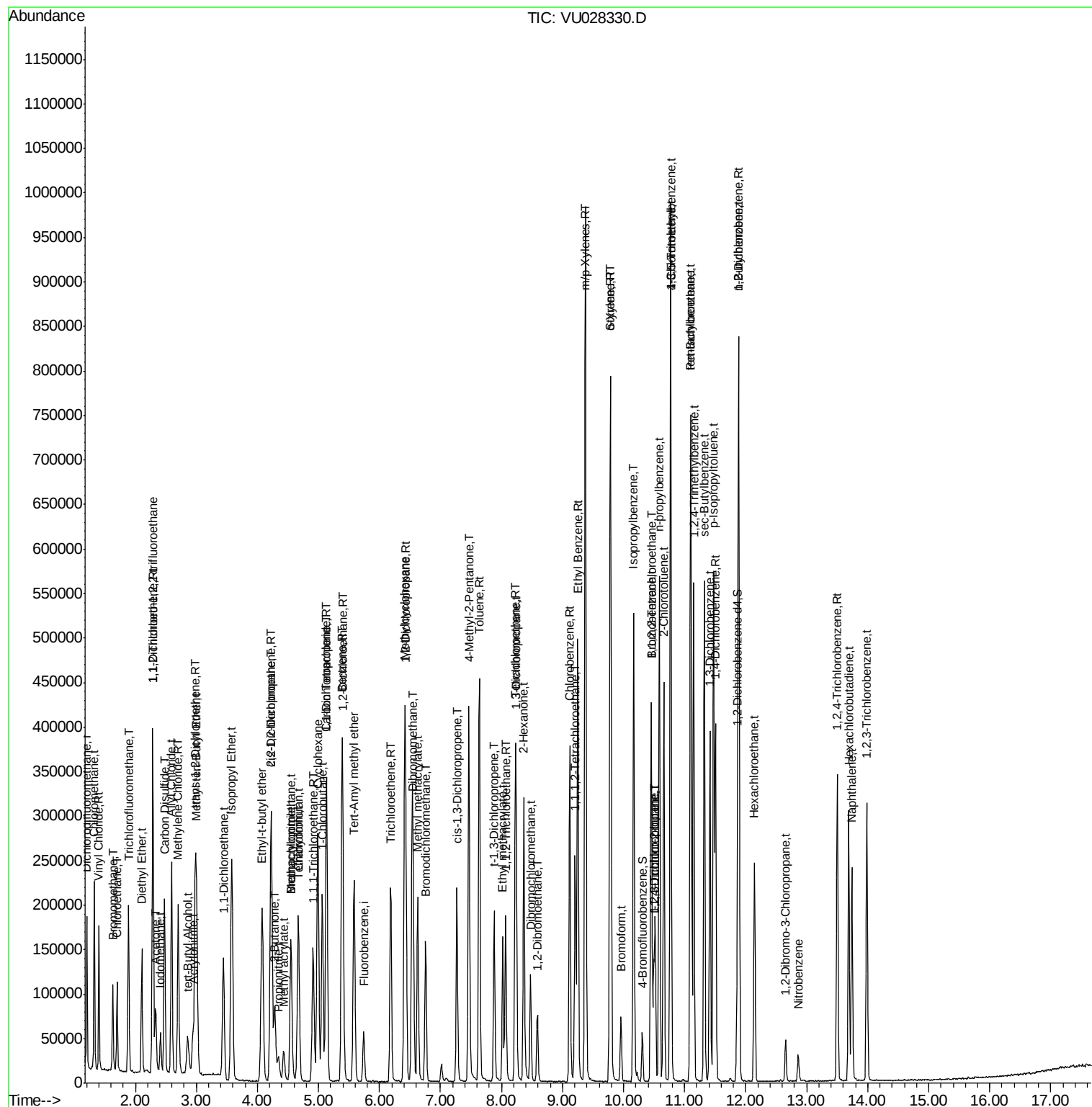
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	39518	5.045	ug/l	99
44) Bromodichloromethane	6.76	83	100818	4.874	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	314471	24.992	ug/l	100
46) t-1,4-Dichloro-2-butene	10.49	75	41929	9.294	ug/l	91
47) Methyl methacrylate	6.63	69	80968	10.126	ug/l	98
48) Ethyl methacrylate	8.02	69	80089	5.007	ug/l	98
49) Toluene	7.64	92	180497	5.037	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	99662	5.016	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	121703	4.961	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	52420	4.766	ug/l	96
53) 1,3-Dichloropropane	8.24	76	103285	5.027	ug/l	99
54) 2-Hexanone	8.37	43	223039	24.640	ug/l	99
55) Dibromochloromethane	8.48	129	58242	4.979	ug/l	97
56) 1,2-Dibromoethane	8.58	107	49110	4.902	ug/l	96
58) Tetrachloroethene	8.22	164	65531	5.092	ug/l	98
59) Chlorobenzene	9.12	112	185450	4.973	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	62142	4.917	ug/l	99
61) Pentachloroethane	11.10	117	49490	5.032	ug/l	97
62) Hexachloroethane	12.14	117	45310	4.917	ug/l	99
63) Ethyl Benzene	9.25	91	349631	5.081	ug/l	98
64) m/p-Xylenes	9.37	106	257741	10.351	ug/l	99
65) o-Xylene	9.78	106	122131	5.083	ug/l	97
66) Styrene	9.79	104	211013	5.120	ug/l	99
67) Bromoform	9.96	173	31591	4.818	ug/l	99
69) Isopropylbenzene	10.16	105	328043	5.098	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	73049	4.952	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	41929	4.125	ug/l #	89
72) Bromobenzene	10.45	156	73267	5.130	ug/l	99
73) n-propylbenzene	10.59	120	86164	5.163	ug/l	97
74) 2-Chlorotoluene	10.66	126	73477	5.025	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	274947	5.077	ug/l	97
76) 4-Chlorotoluene	10.77	126	77010	5.195	ug/l	100
77) tert-Butylbenzene	11.10	119	259246	5.085	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	284176	5.121	ug/l	100
79) sec-Butylbenzene	11.32	105	366421	5.155	ug/l	100
80) Nitrobenzene	12.86	77	15935	23.976	ug/l	95
81) p-Isopropyltoluene	11.47	119	291066	5.153	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	144519	5.052	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	142083	4.990	ug/l	96
84) n-Butylbenzene	11.89	91	313598	5.289	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	135190	4.965	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	11418	4.811	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	96740	5.054	ug/l	98
88) Hexachlorobutadiene	13.69	225	53465	5.162	ug/l	97
89) Naphthalene	13.74	128	185886	4.914	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	90661	5.023	ug/l	99

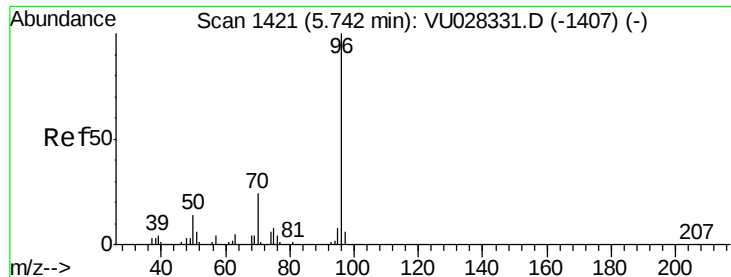
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
Data File : VU028330.D
Acq On : 26 Nov 2018 11:01
Operator : MD/SY
Sample : VSTDIC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Quant Time: Nov 27 00:43:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 00:37:16 2018
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 49948

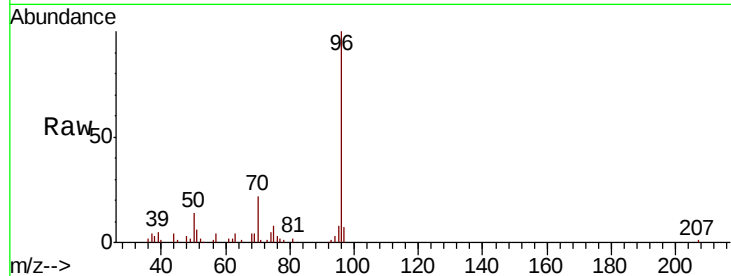
Ion Ratio Lower Upper

96 100

70 22.1 17.8 26.8

95 8.6 7.6 11.4

97 6.6 0.0 0.0#

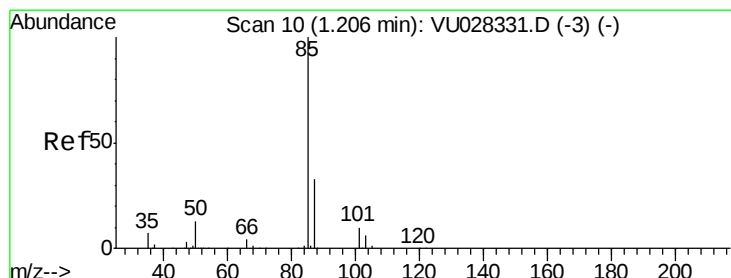
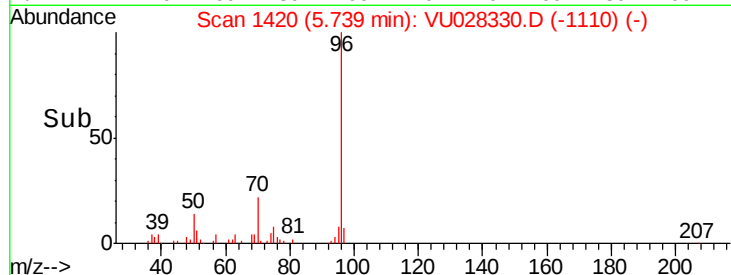
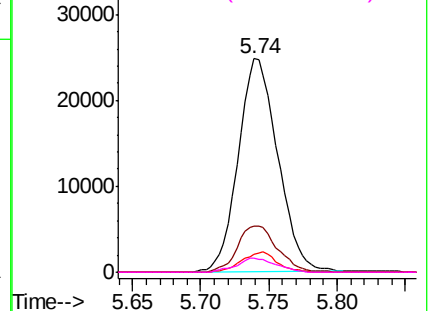


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 4.935 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028330.D

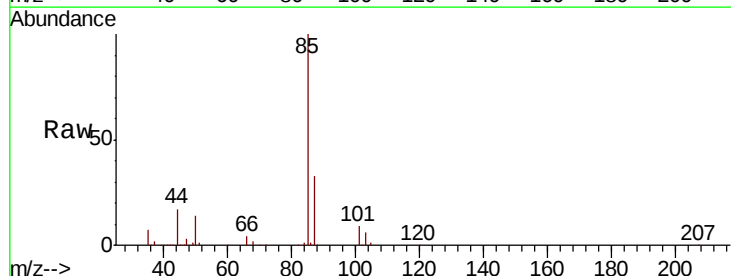
Acq: 26 Nov 2018 11:01

Tgt Ion: 85 Resp: 88662

Ion Ratio Lower Upper

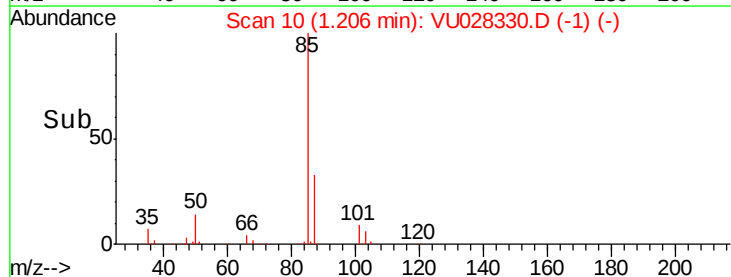
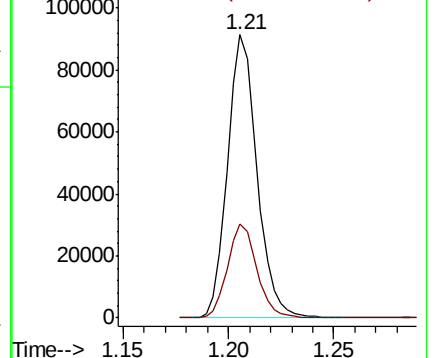
85 100

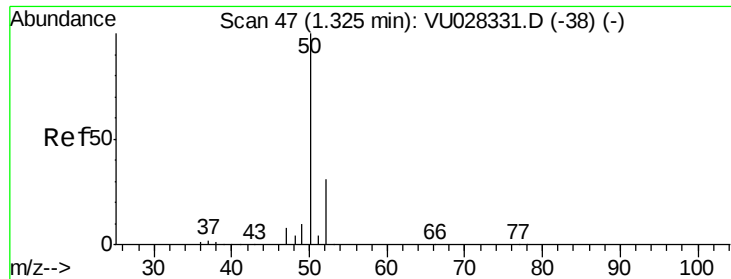
87 33.1 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 4.608 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

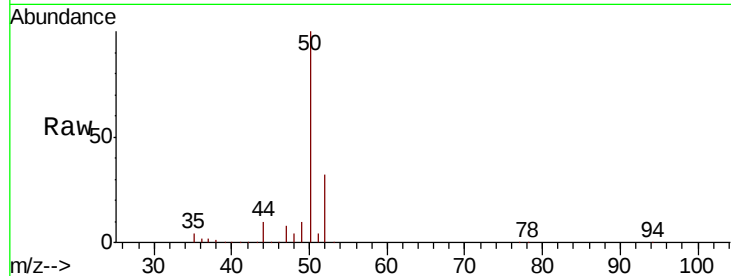
VSTDIC005

Tgt Ion: 50 Resp: 140928

Ion Ratio Lower Upper

50 100

52 31.9 25.1 37.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.32

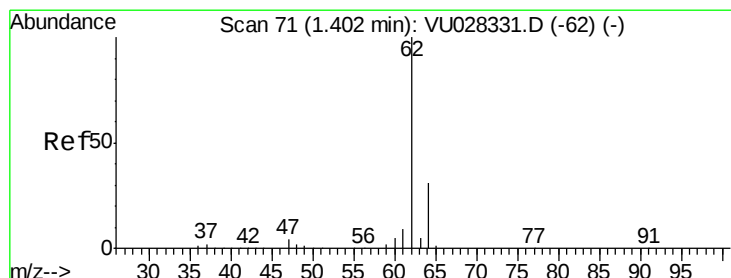
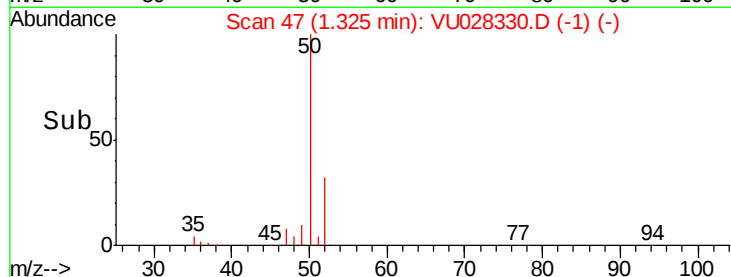
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 4.973 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028330.D

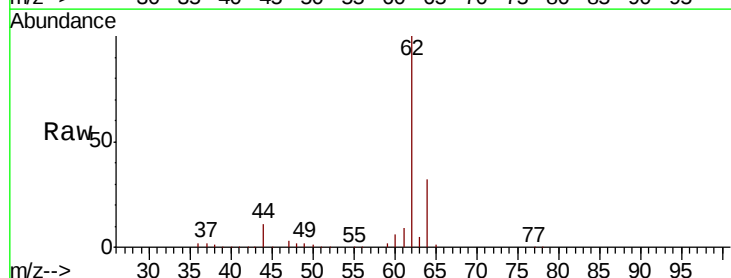
Acq: 26 Nov 2018 11:01

Tgt Ion: 62 Resp: 104079

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

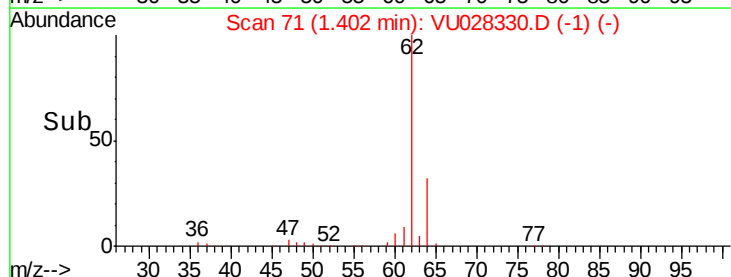
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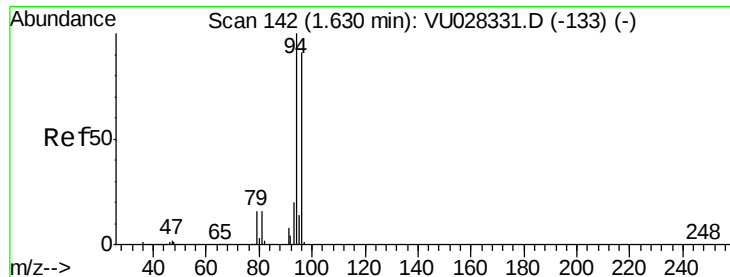
40000

20000

0

Time-->





#5

Bromomethane

Concen: 4.795 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

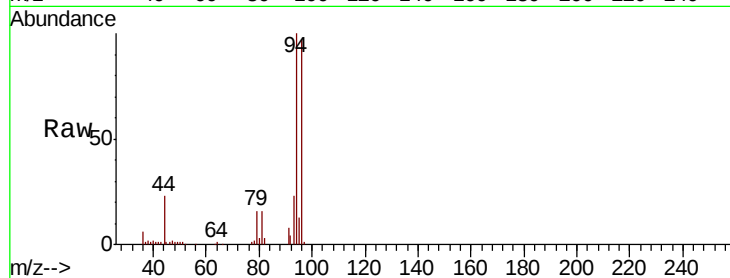
VSTDIC005

Tgt Ion: 94 Resp: 39537

Ion Ratio Lower Upper

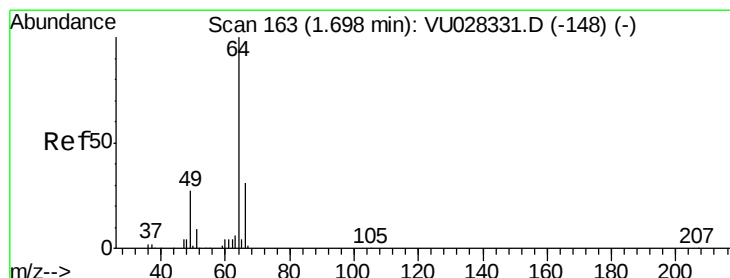
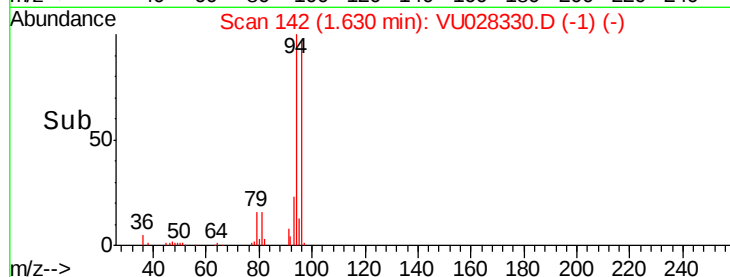
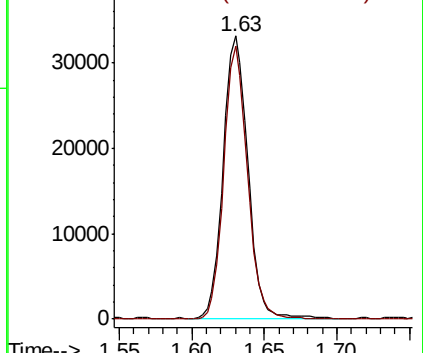
94 100

96 96.7 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 4.746 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028330.D

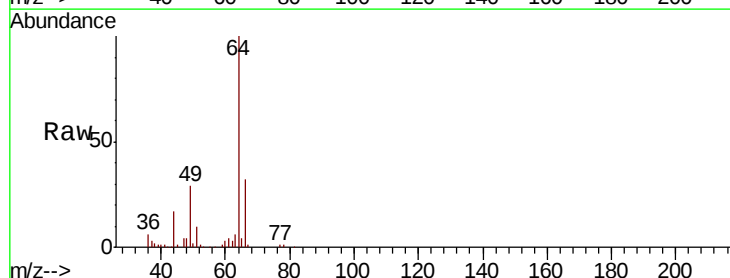
Acq: 26 Nov 2018 11:01

Tgt Ion: 64 Resp: 57995

Ion Ratio Lower Upper

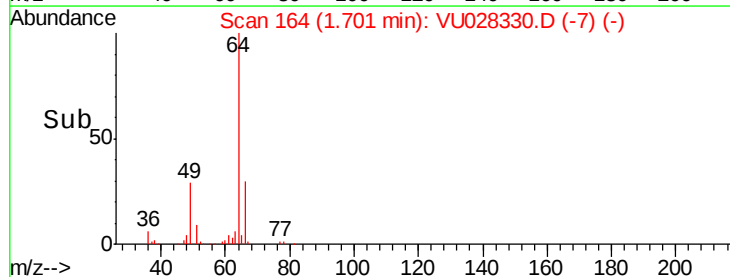
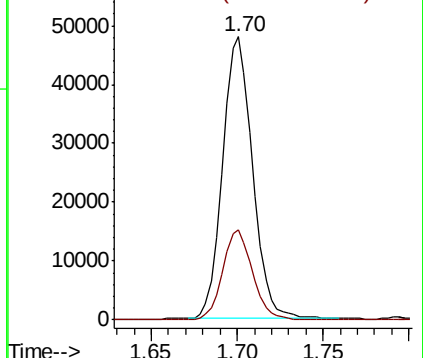
64 100

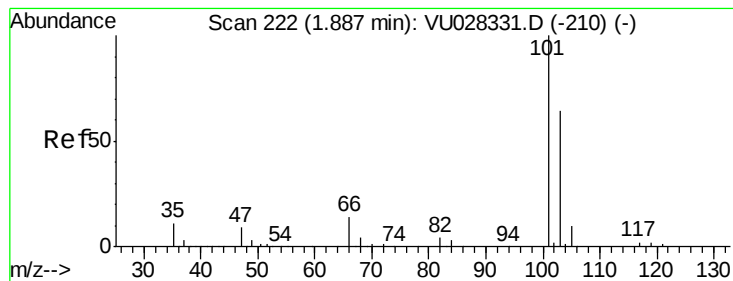
66 31.8 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



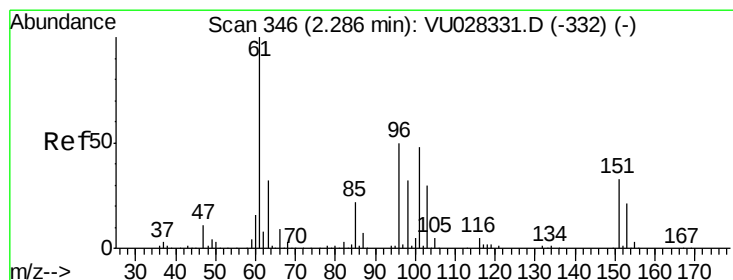
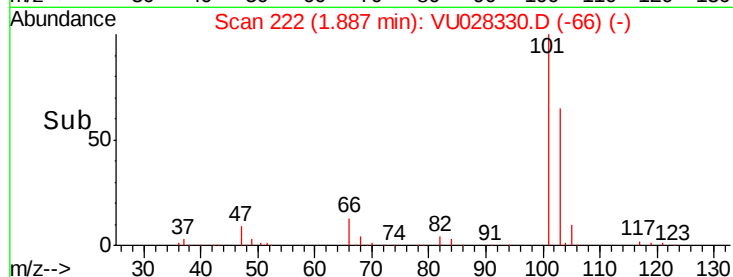
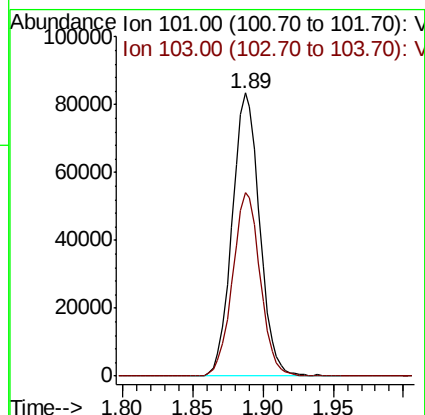
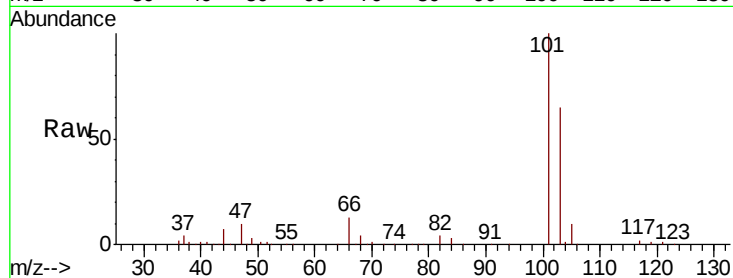


#7

Trichlorofluoromethane
Concen: 4.989 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

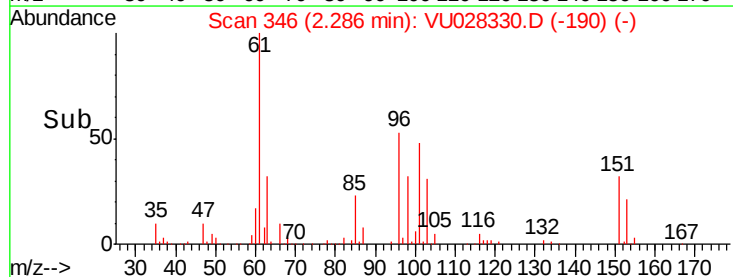
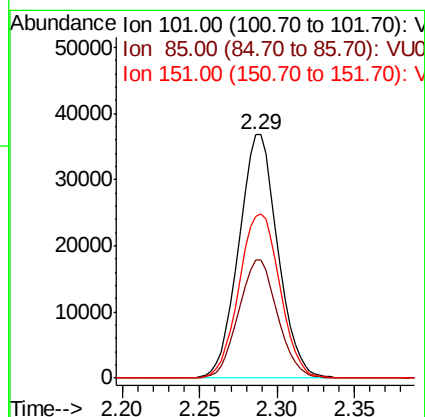
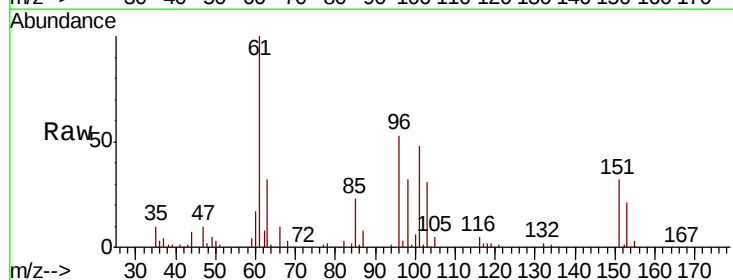
Tgt Ion:101 Resp: 114032
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0

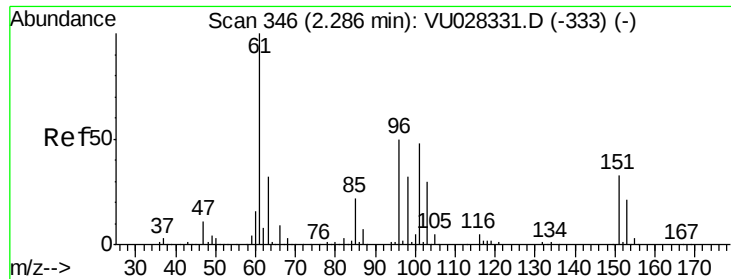


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.912 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:101 Resp: 64584
Ion Ratio Lower Upper
101 100
85 48.4 36.7 55.1
151 70.9 55.8 83.6





#9

1,1-Dichloroethene

Concen: 5.086 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

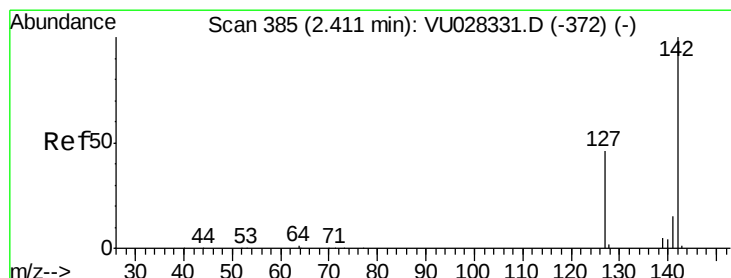
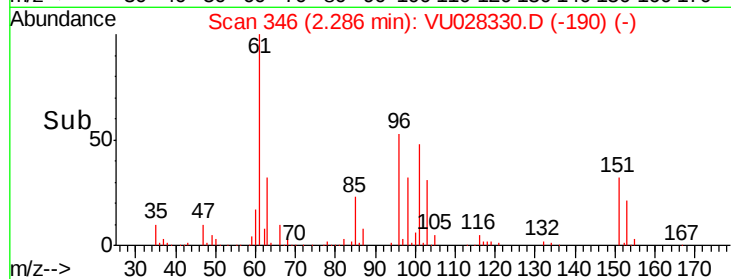
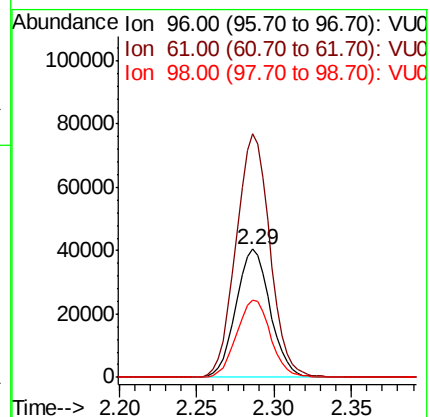
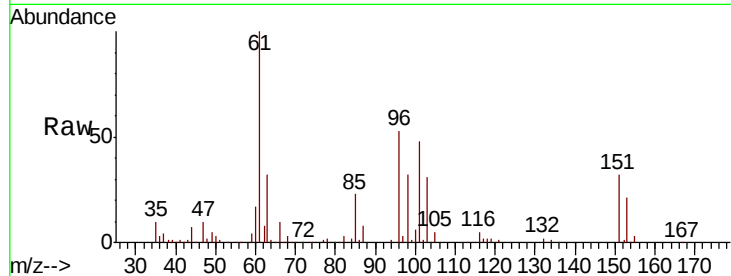
Tgt Ion: 96 Resp: 61845

Ion Ratio Lower Upper

96 100

61 189.9 0.0 597.6

98 60.7 0.0 127.6



#10

Iodomethane

Concen: 5.013 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028330.D

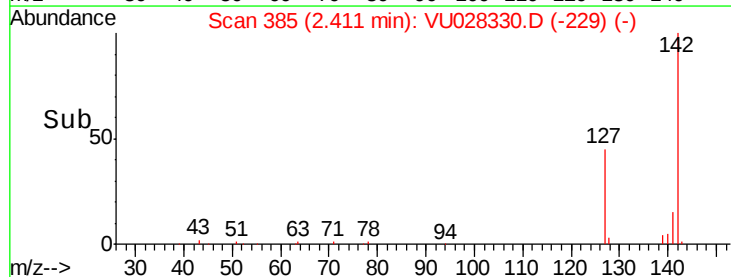
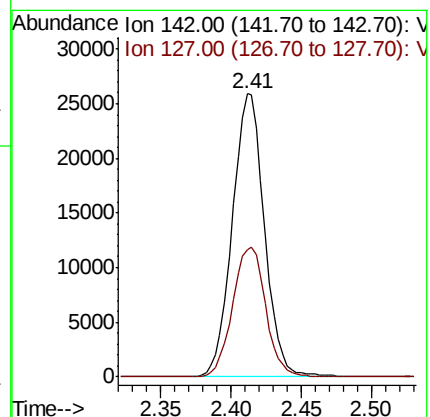
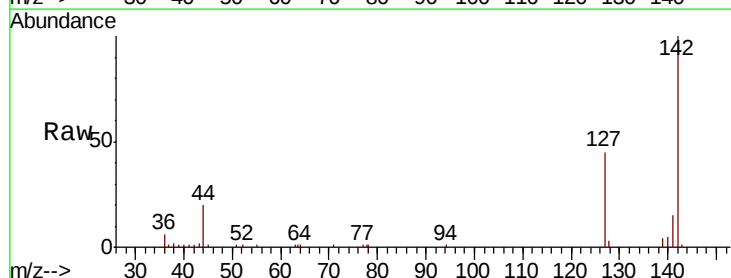
Acq: 26 Nov 2018 11:01

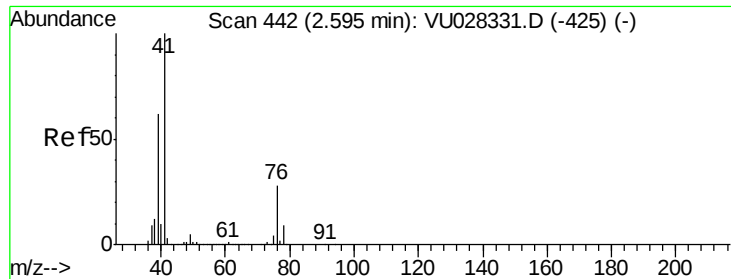
Tgt Ion: 142 Resp: 41230

Ion Ratio Lower Upper

142 100

127 47.1 36.4 54.6

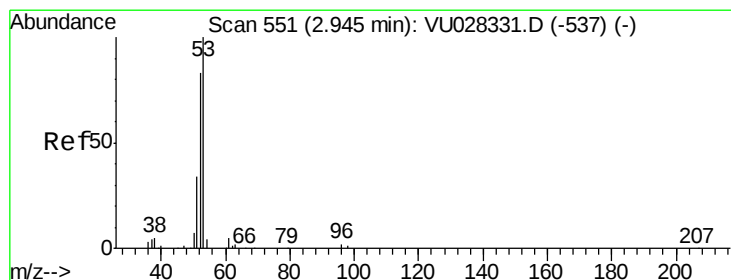
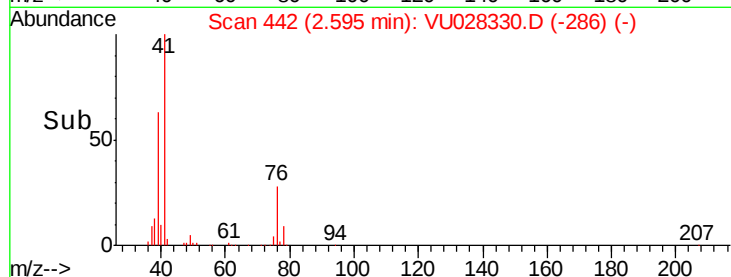
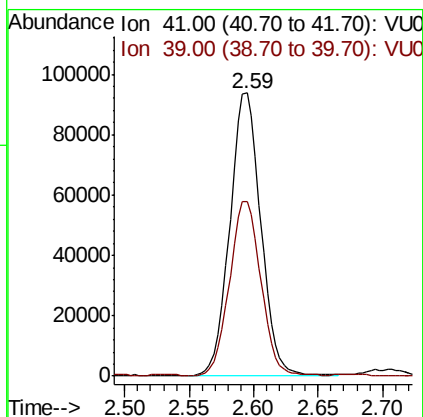
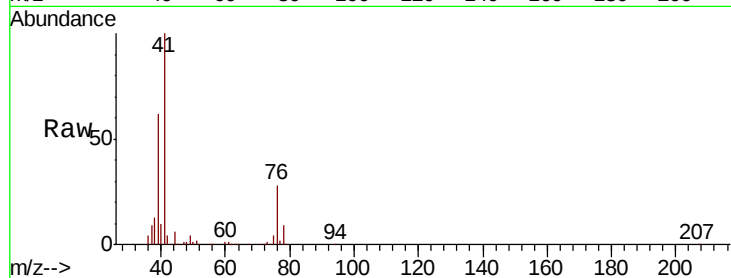




#11
 Allyl Chloride
 Concen: 5.054 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

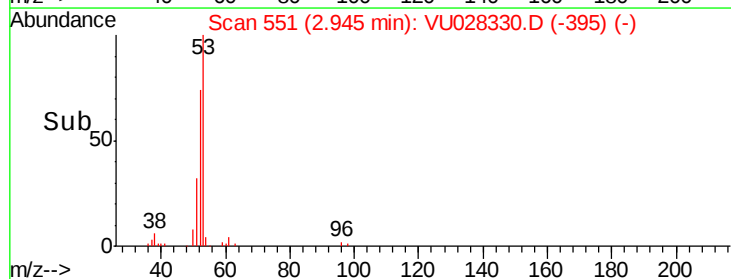
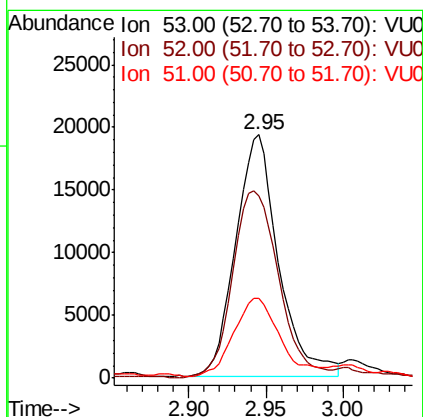
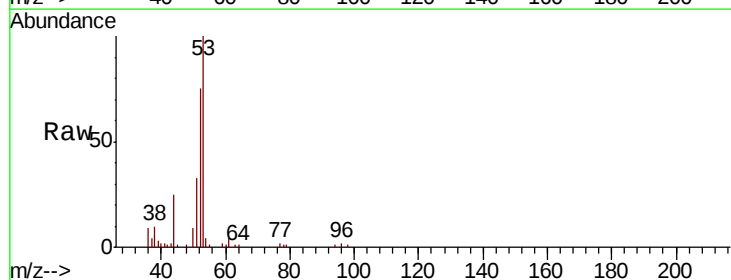
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

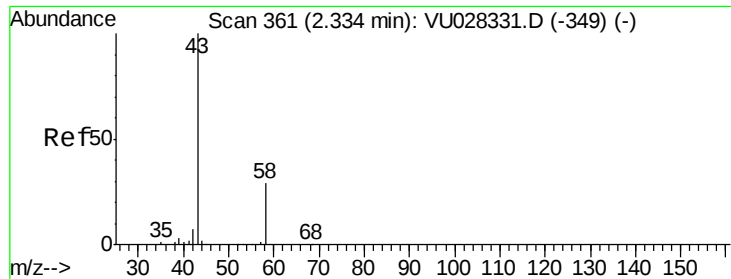
Tgt Ion: 41 Resp: 155148
 Ion Ratio Lower Upper
 41 100
 39 62.7 50.8 76.2



#12
 Acrylonitrile
 Concen: 9.585 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 53 Resp: 37128
 Ion Ratio Lower Upper
 53 100
 52 83.8 69.3 103.9
 51 34.7 27.8 41.8





#13

Acetone

Concen: 22.444 ug/l

RT: 2.33 min Scan# 361

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

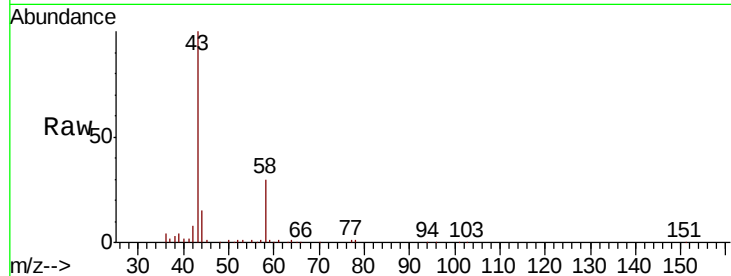
VSTDIC005

Tgt Ion: 43 Resp: 80565

Ion Ratio Lower Upper

43 100

58 30.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

50000

40000

30000

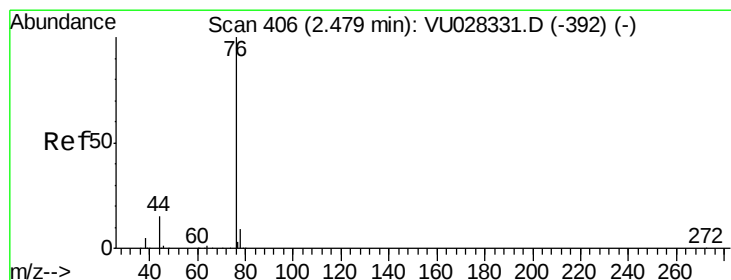
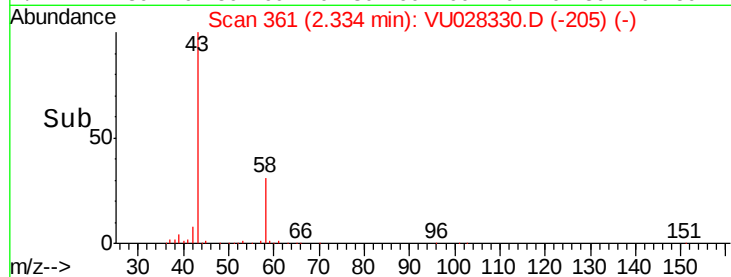
20000

10000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#14

Carbon Disulfide

Concen: 4.949 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028330.D

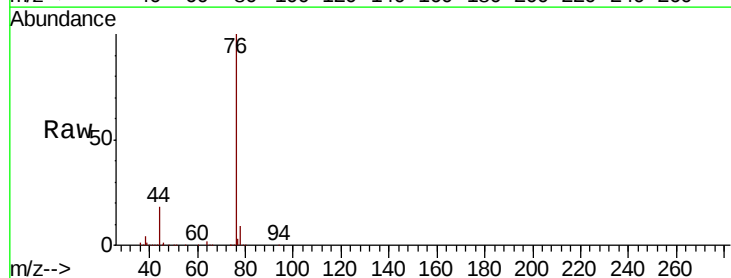
Acq: 26 Nov 2018 11:01

Tgt Ion: 76 Resp: 228591

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

150000

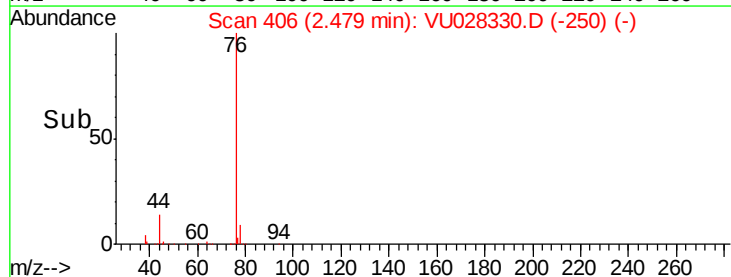
100000

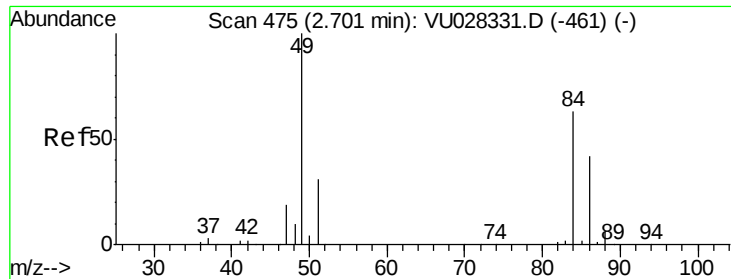
50000

0

Time-->

2.40 2.45 2.50 2.55

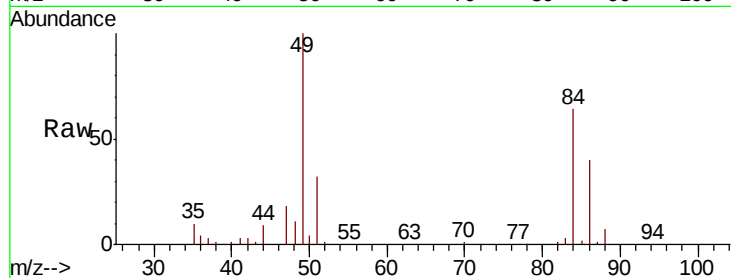




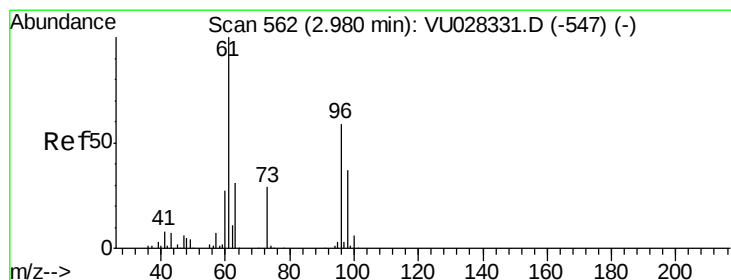
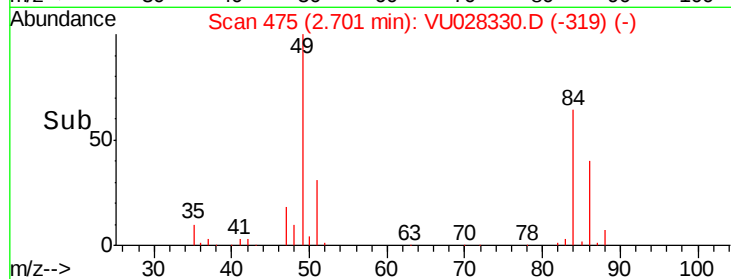
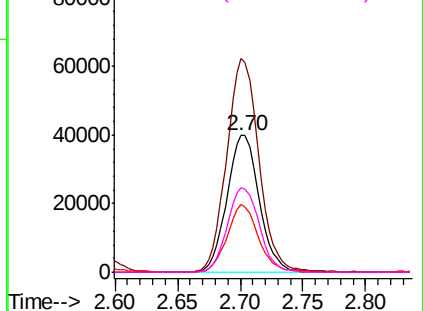
#15
Methylene Chloride
Concen: 4.820 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	84	Resp:	71476
Ion	Ratio	Lower	Upper
84	100		
49	156.1	127.7	191.5
51	49.0	0.0	98.2
86	61.9	53.1	79.7

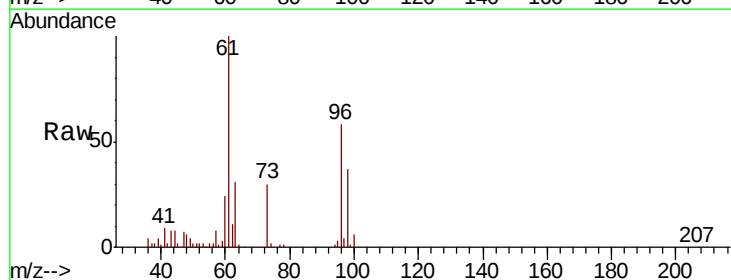


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

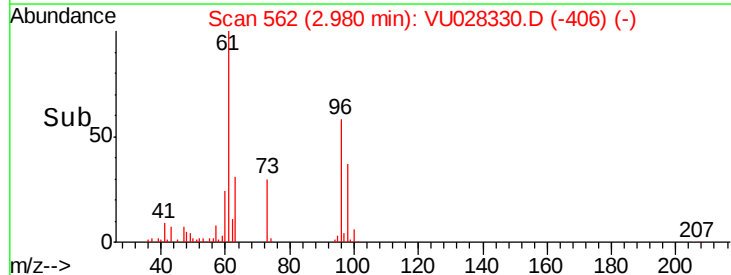
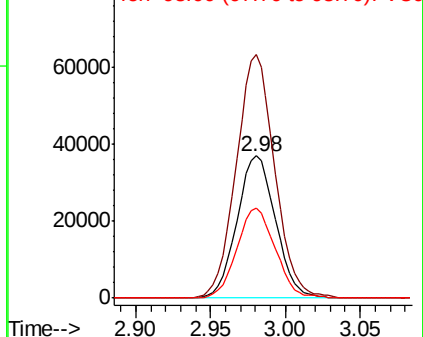


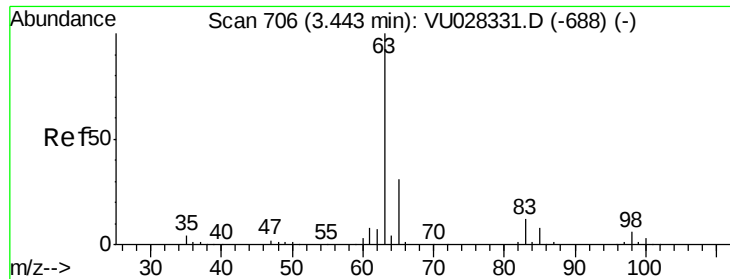
#16
trans-1,2-Dichloroethene
Concen: 4.862 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:	96	Resp:	66167
Ion	Ratio	Lower	Upper
96	100		
61	170.8	136.4	204.6
98	62.9	49.8	74.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

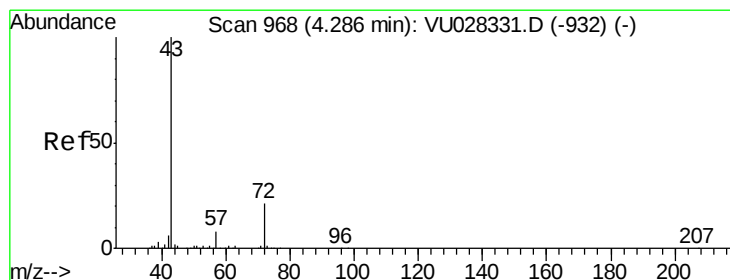
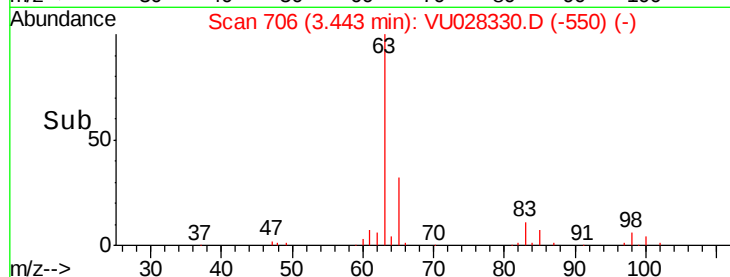
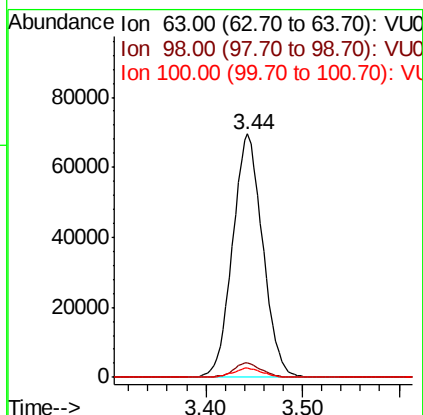
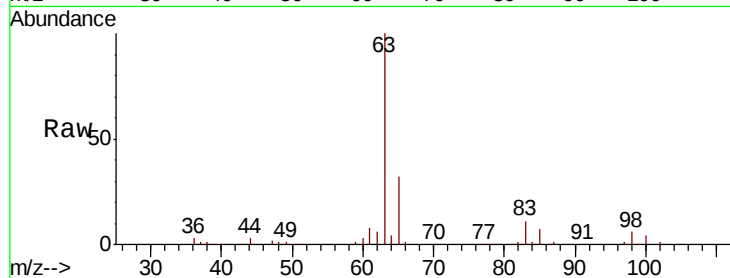




#17
 1,1-Dichloroethane
 Concen: 4.951 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

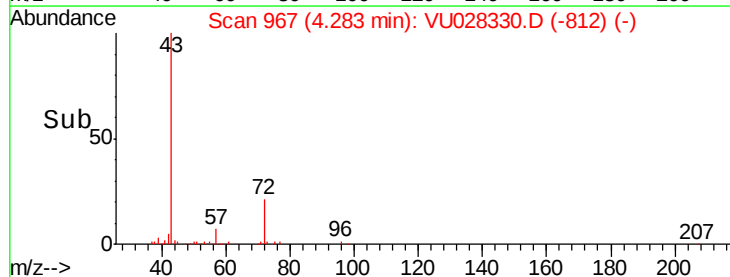
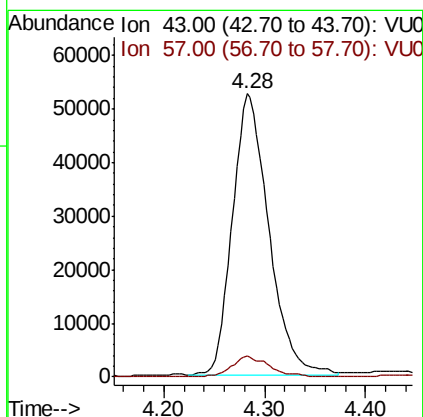
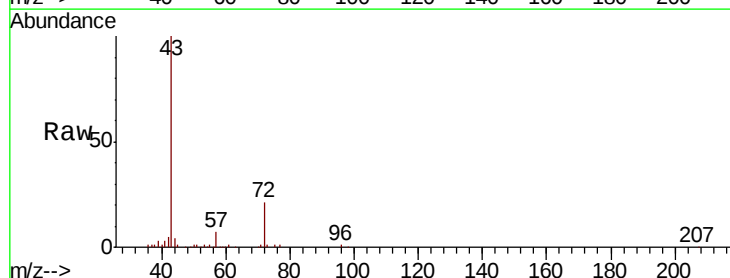
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

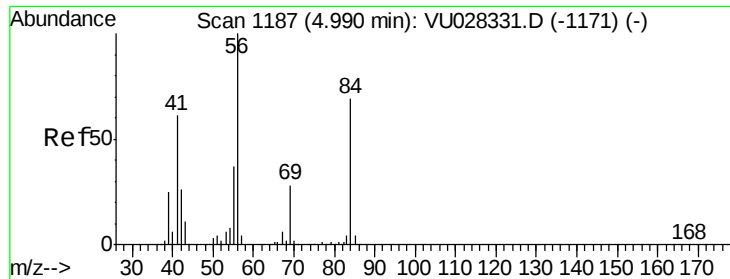
Tgt Ion:	63	Resp:	150210
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.0
100	3.7	1.8	5.3



#18
 2-Butanone
 Concen: 24.468 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:	43	Resp:	131246
Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	15.0

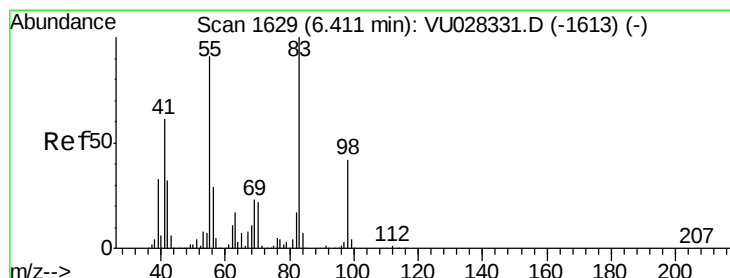
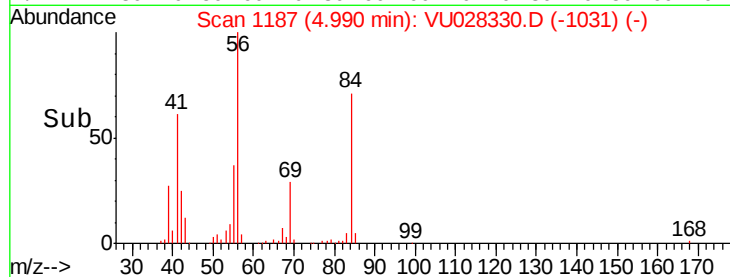
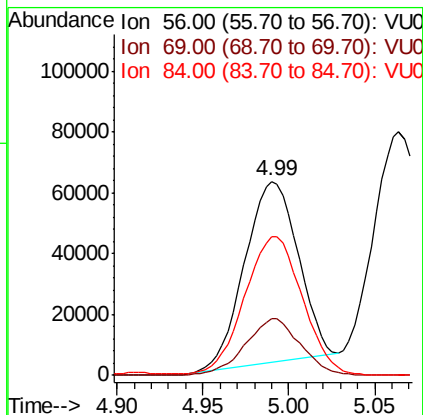
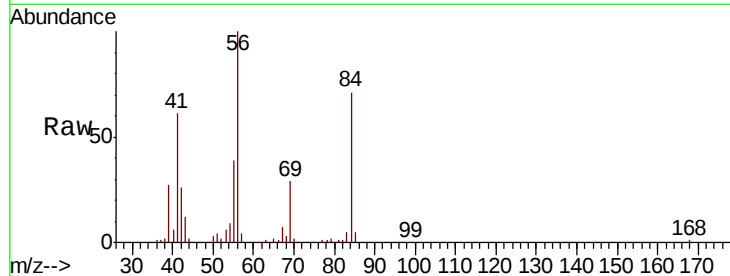




#19
Cyclohexane
Concen: 4.896 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

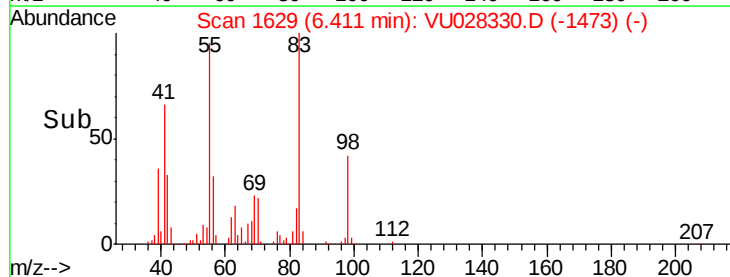
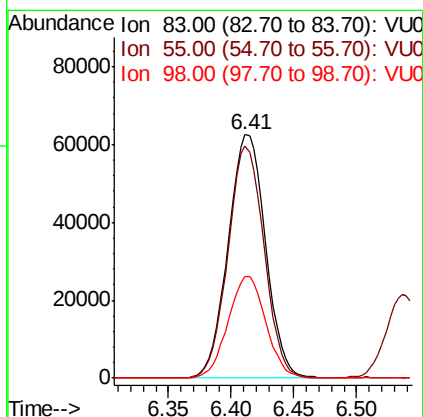
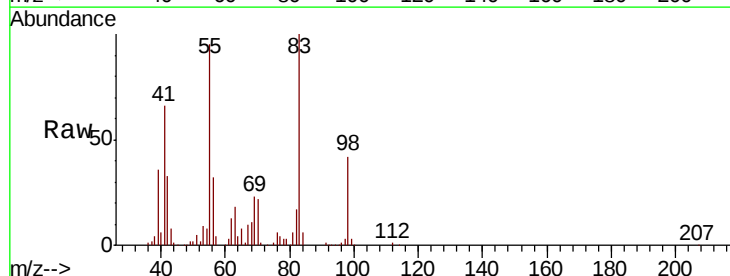
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

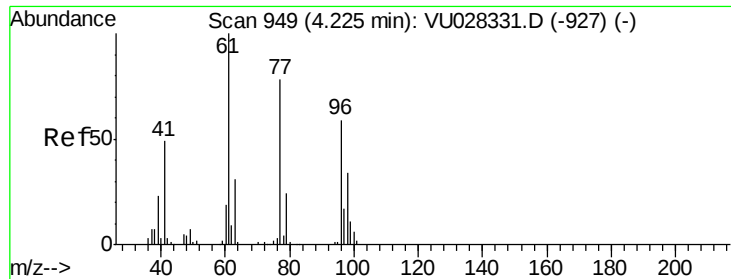
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.0	37.6
84	82.1	62.6	94.0



#20
Methylcyclohexane
Concen: 5.014 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.0	72.6	108.8
98	42.1	33.8	50.8

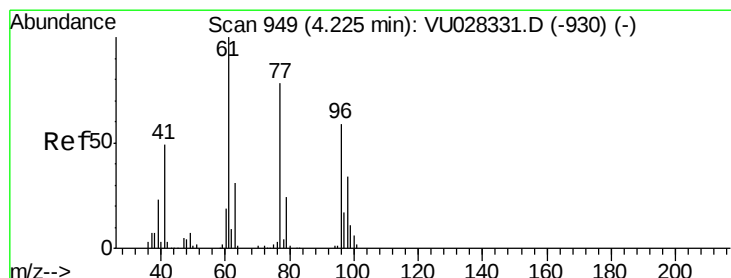
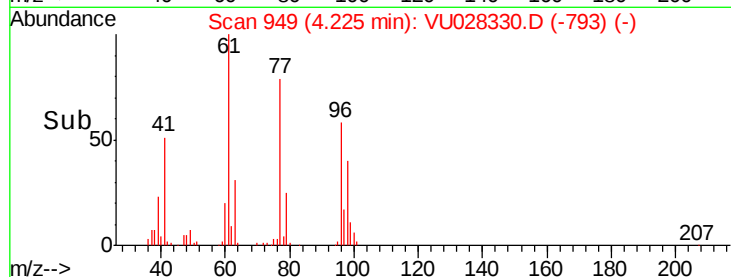
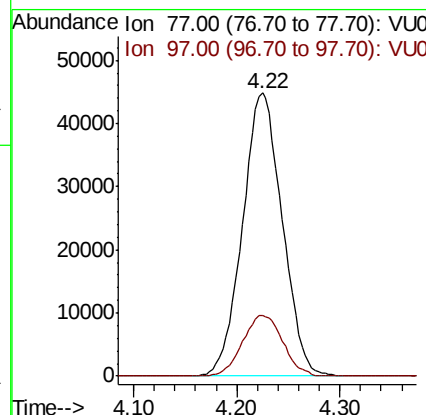
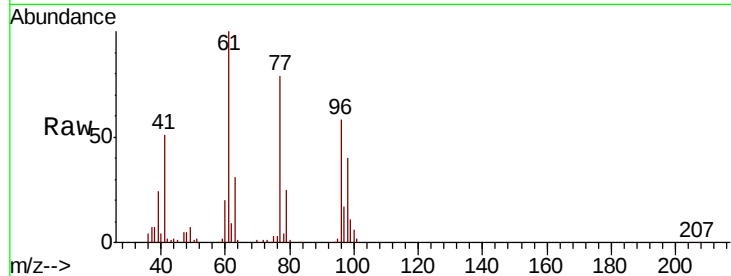




#21
 2,2-Dichloropropane
 Concen: 4.921 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

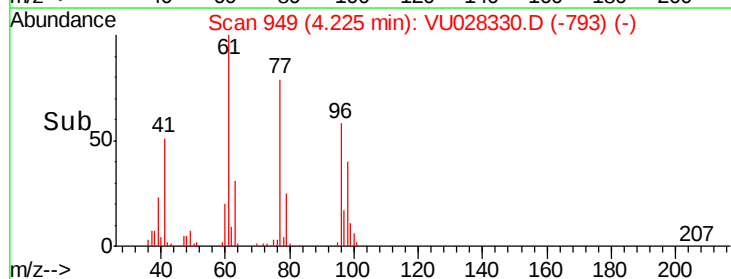
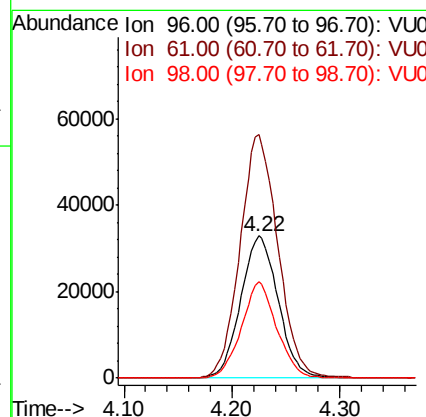
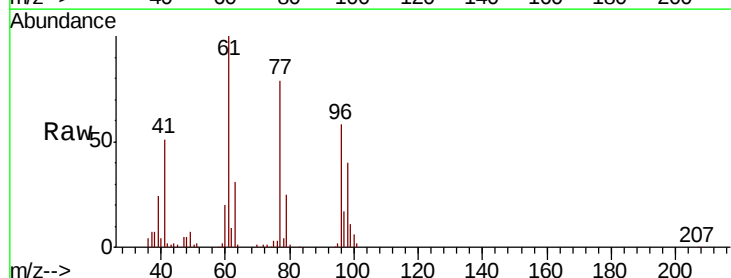
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

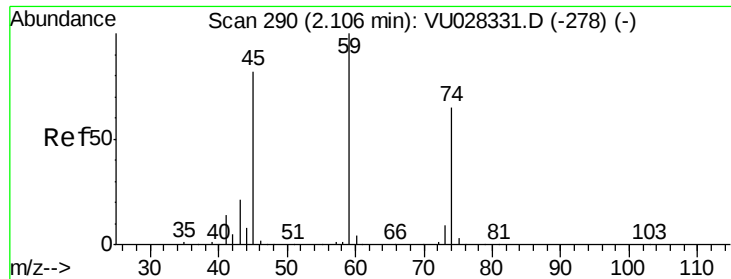
Tgt Ion: 77 Resp: 119825
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 4.990 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 96 Resp: 79478
 Ion Ratio Lower Upper
 96 100
 61 172.7 0.0 423.0
 98 63.8 30.3 91.0

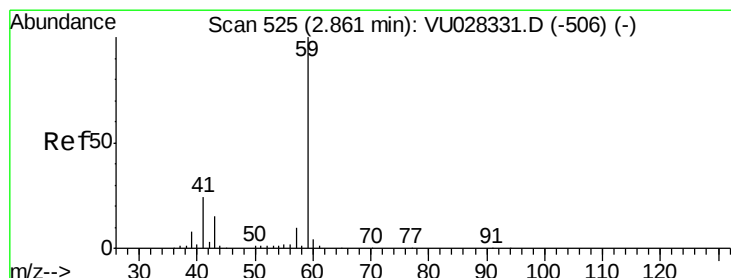
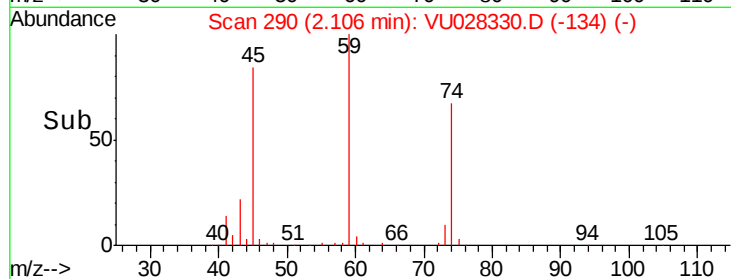
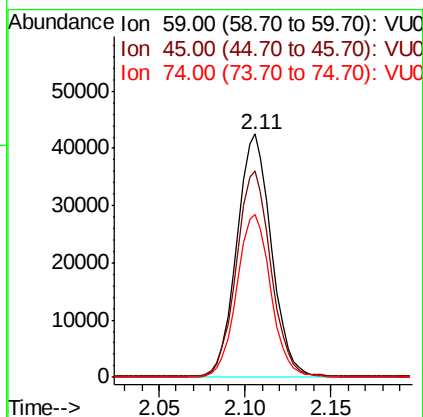
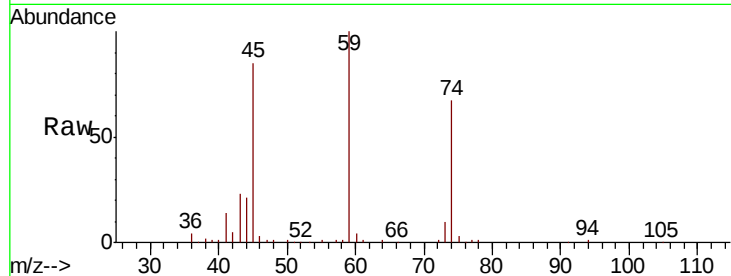




#23
Diethyl Ether
Concen: 4.889 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

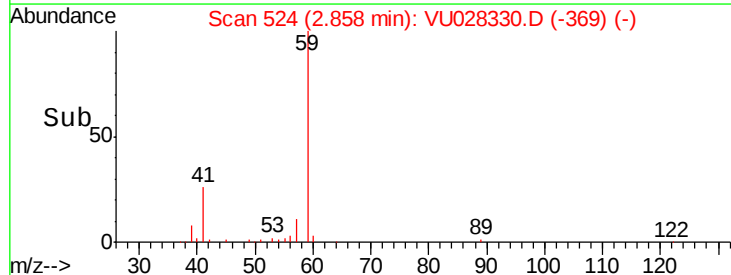
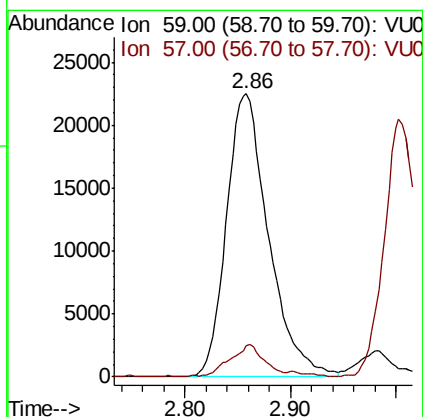
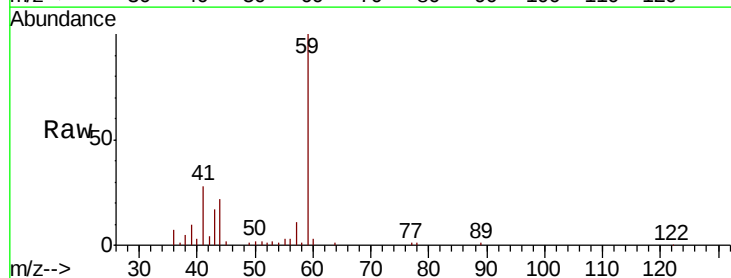
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

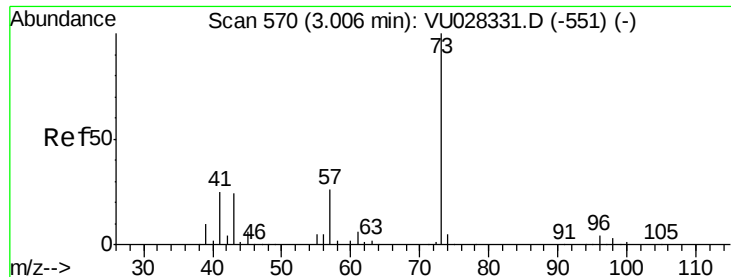
Tgt Ion	Resp	Lower	Upper
59	59605		
45	83.8	66.4	99.6
74	66.1	52.2	78.4



#24
tert-Butyl Alcohol
Concen: 52.730 ug/l
RT: 2.86 min Scan# 524
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Resp	Lower	Upper
59	62178		
57	9.4	8.2	12.4



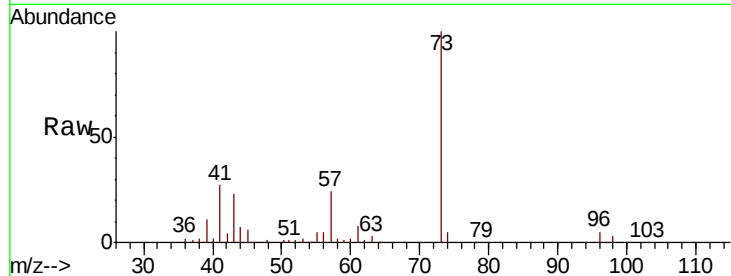


#25

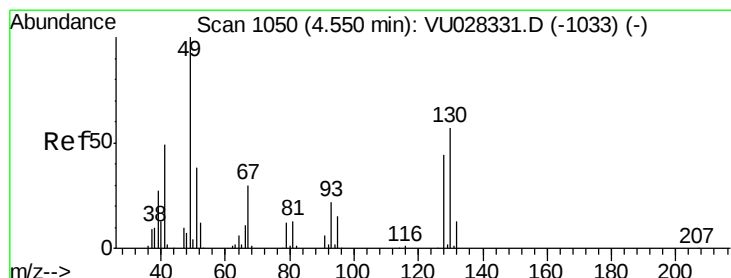
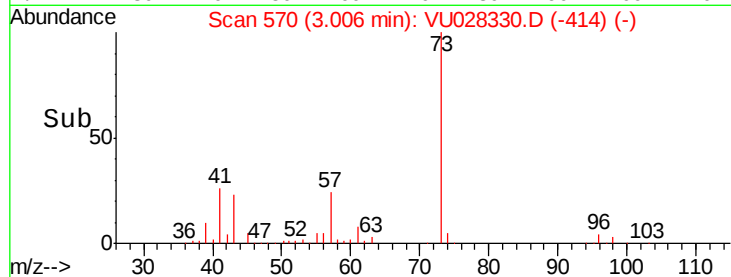
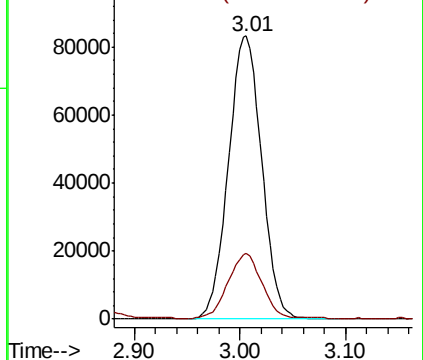
Methyl tert-Butyl Ether
Concen: 5.031 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 181746
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7



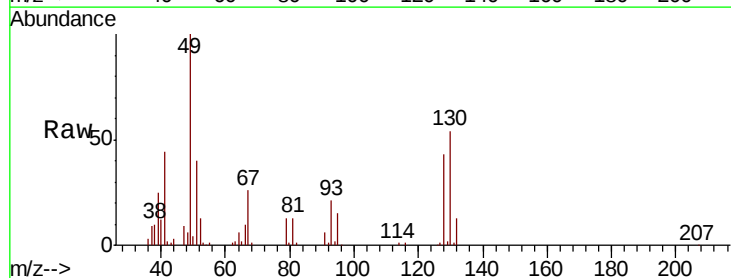
Abundance Ion 73.00 (72.70 to 73.70): VU028330.D (-551) (-)
Ion 43.00 (42.70 to 43.70): VU028330.D (-551) (-)



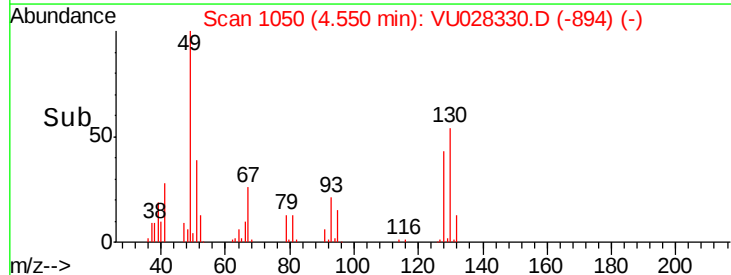
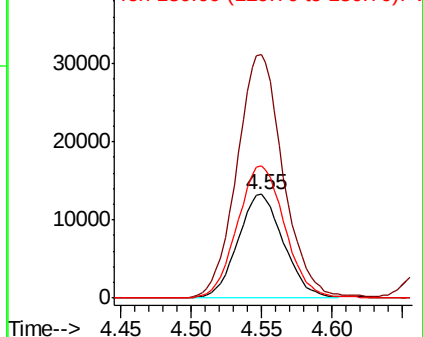
#26

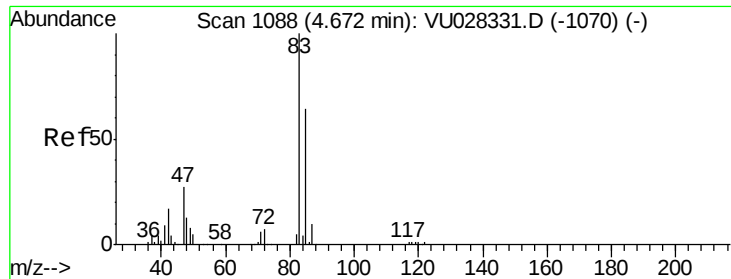
Bromochloromethane
Concen: 4.955 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 128 Resp: 30083
Ion Ratio Lower Upper
128 100
49 238.3 0.0 457.6
130 132.4 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): VU028330.D (-1033) (-)
Ion 49.00 (48.70 to 49.70): VU028330.D (-1033) (-)
Ion 130.00 (129.70 to 130.70): VU028330.D (-1033) (-)

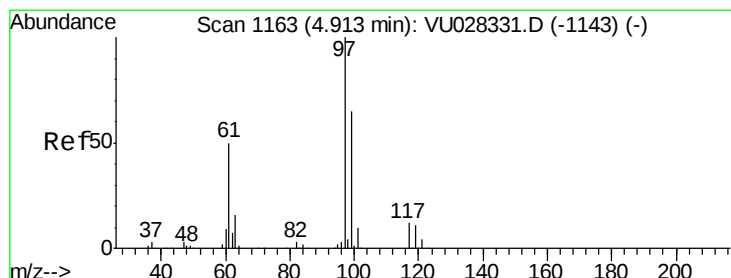
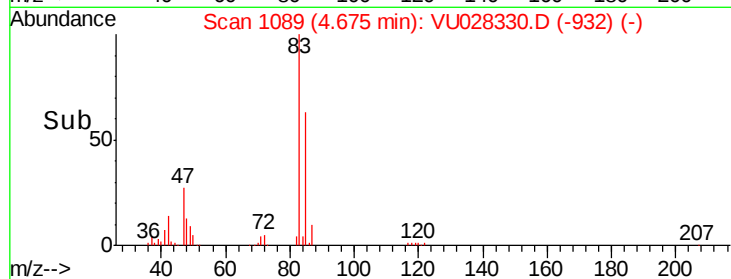
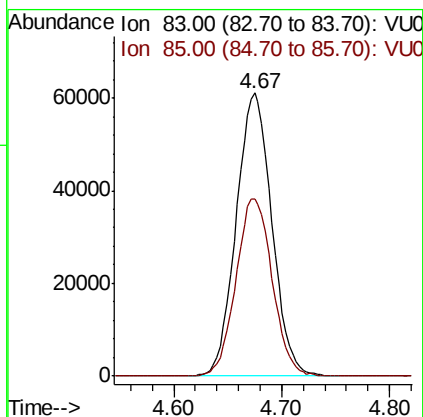
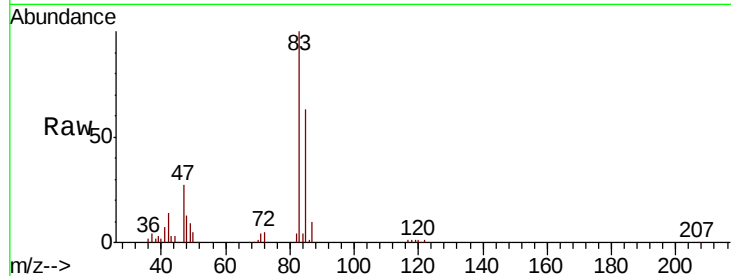




#27
Chloroform
Concen: 4.796 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

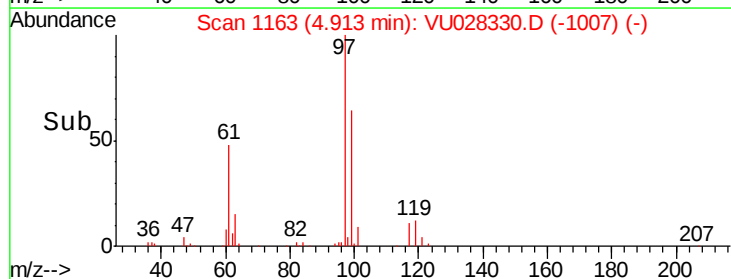
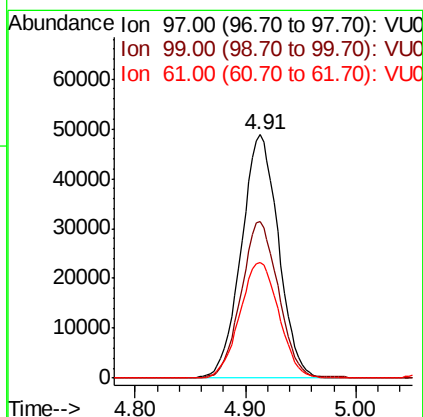
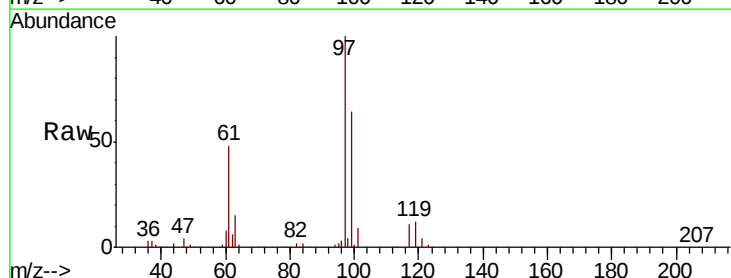
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

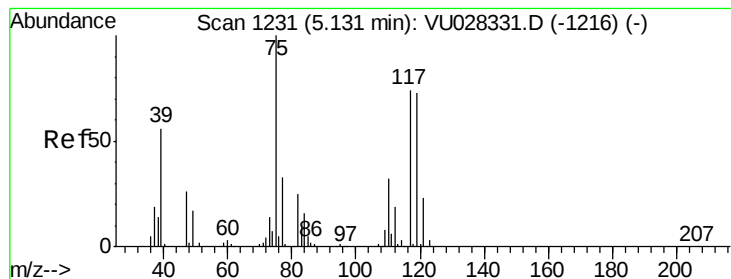
Tgt Ion: 83 Resp: 140329
Ion Ratio Lower Upper
83 100
85 62.7 0.0 128.0



#28
1,1,1-Trichloroethane
Concen: 4.990 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 97 Resp: 114022
Ion Ratio Lower Upper
97 100
99 64.6 32.2 96.6
61 50.1 24.9 74.7





#29

1,1-Dichloropropene

Concen: 4.960 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

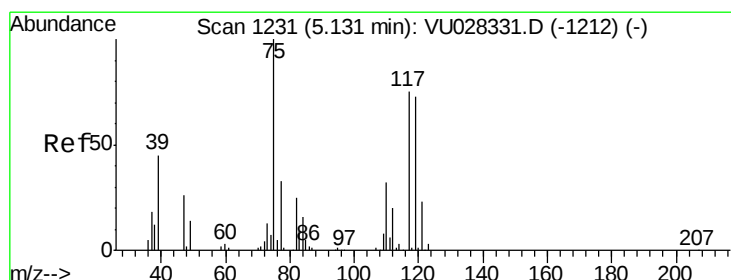
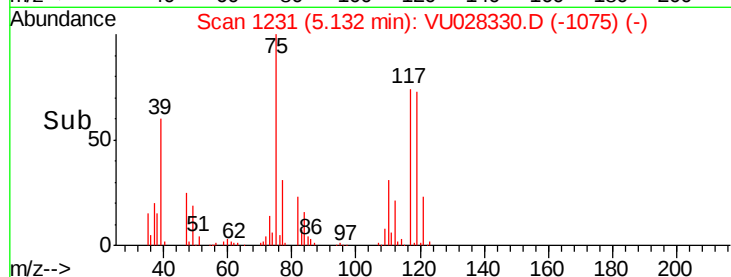
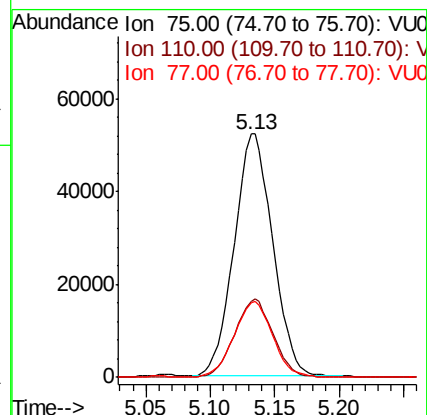
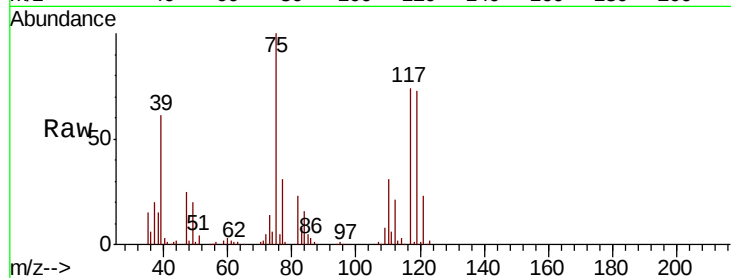
Tgt Ion: 75 Resp: 108727

Ion Ratio Lower Upper

75 100

110 32.2 15.8 47.3

77 31.4 25.4 38.0



#30

Carbon Tetrachloride

Concen: 4.923 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

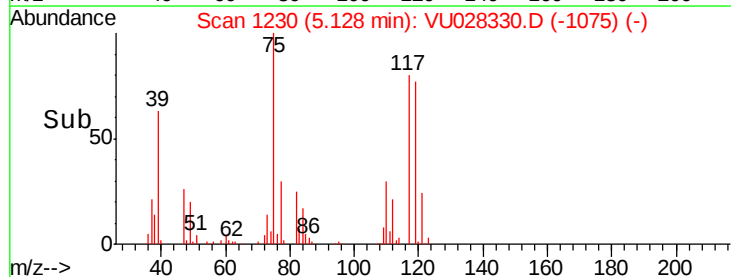
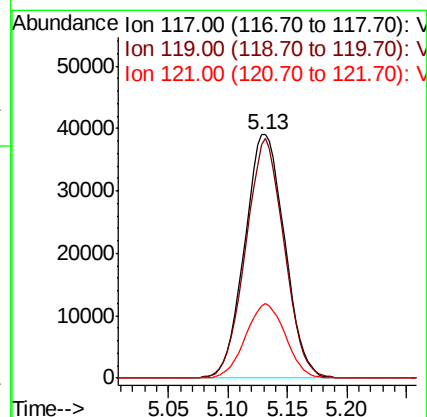
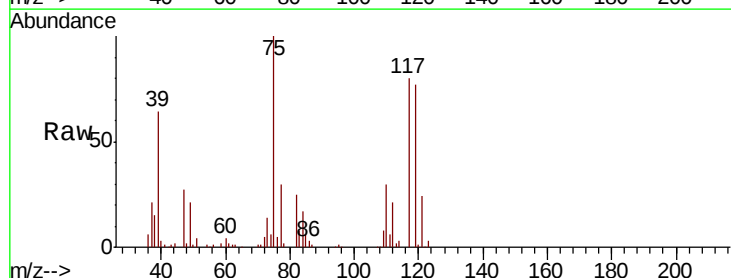
Tgt Ion: 117 Resp: 90837

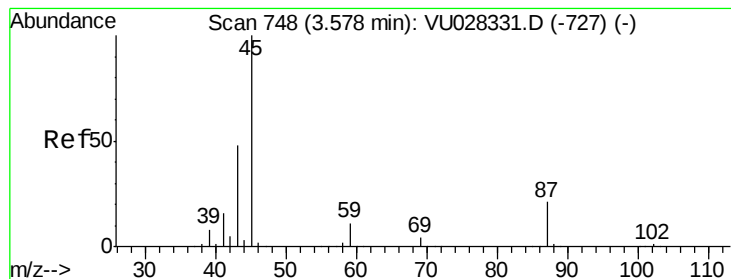
Ion Ratio Lower Upper

117 100

119 95.8 78.2 117.4

121 29.6 24.7 37.1





#31

Isopropyl Ether

Concen: 4.974 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

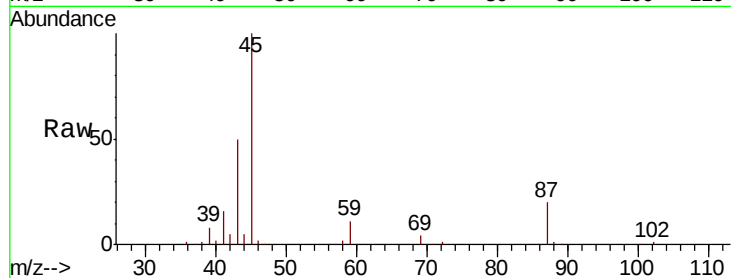
VSTDIC005

Tgt Ion: 45 Resp: 270244

Ion Ratio Lower Upper

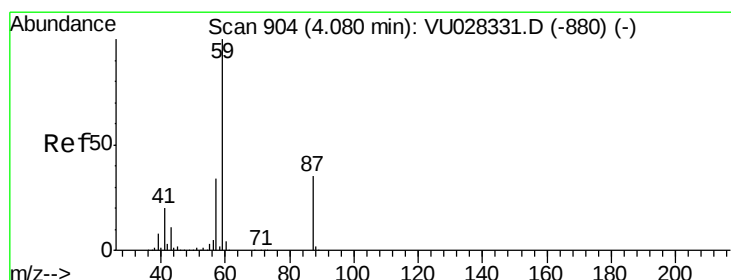
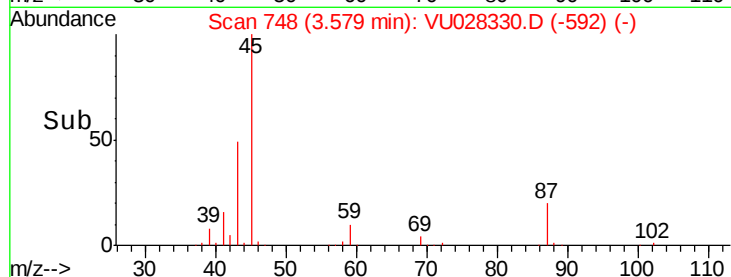
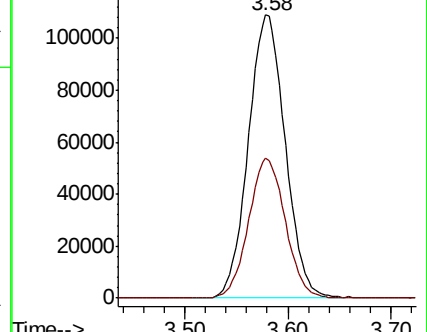
45 100

43 49.3 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU028330.D (-592) (-)

Ion 43.00 (42.70 to 43.70): VU028330.D (-592) (-)



#32

Ethyl-t-butyl ether

Concen: 5.039 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028330.D

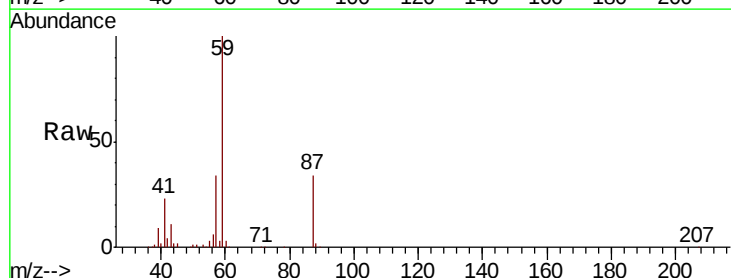
Acq: 26 Nov 2018 11:01

Tgt Ion: 59 Resp: 225478

Ion Ratio Lower Upper

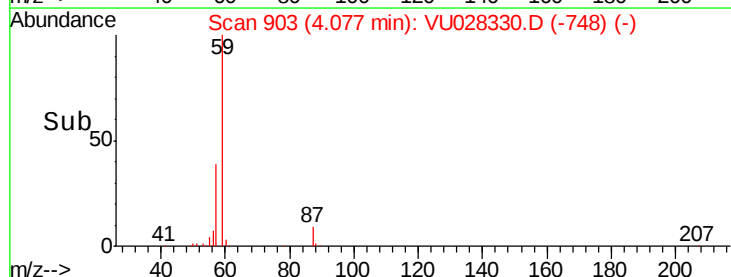
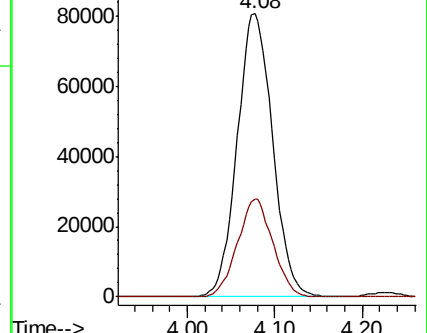
59 100

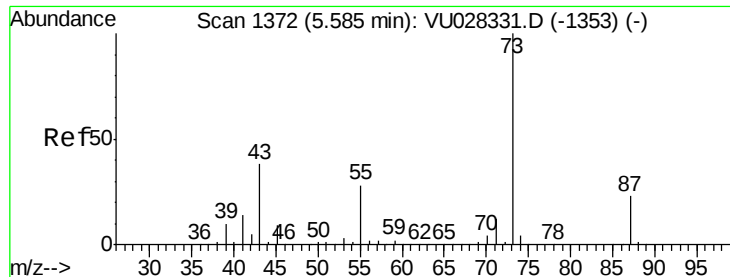
87 34.6 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU028330.D (-748) (-)

Ion 87.00 (86.70 to 87.70): VU028330.D (-748) (-)

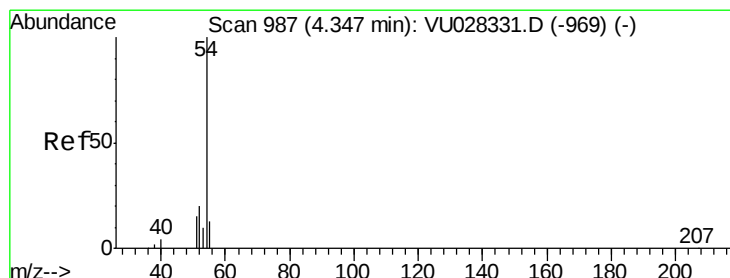
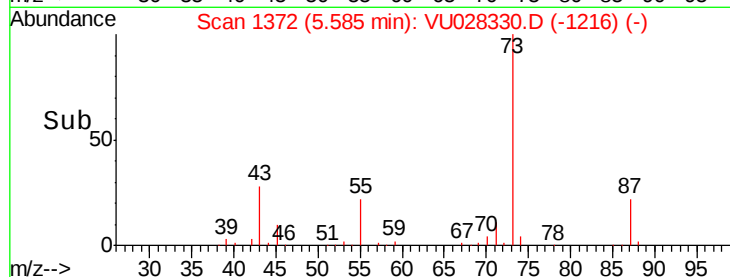
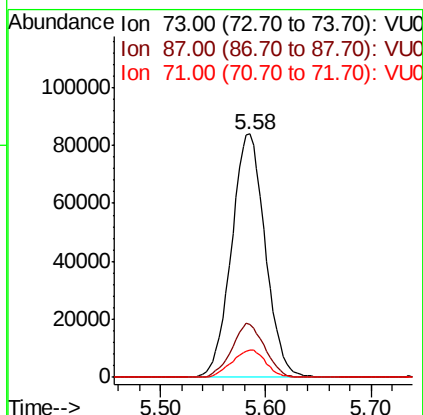
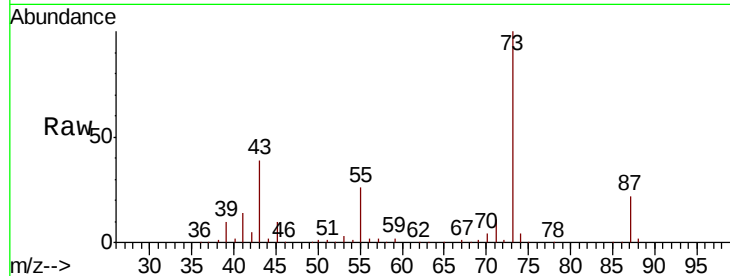




#33
Tert-Amyl methyl ether
Concen: 5.002 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

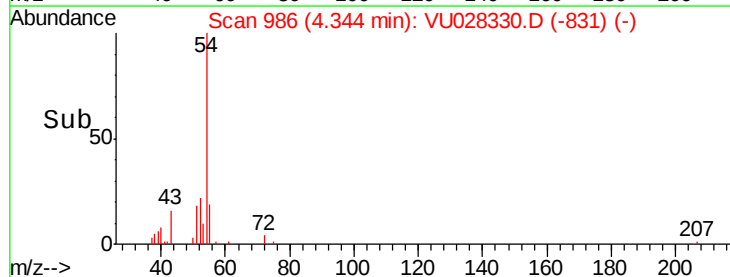
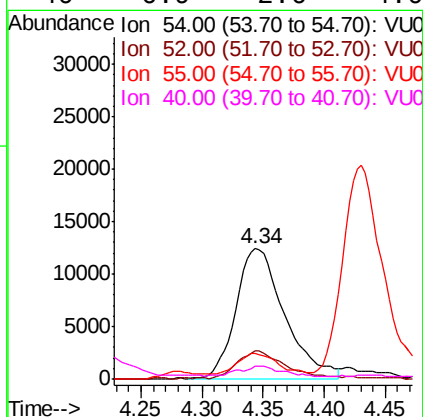
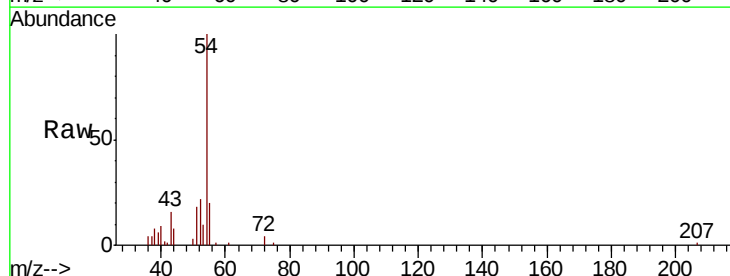
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

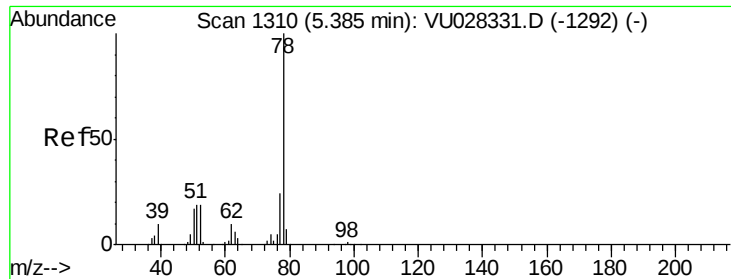
Tgt Ion: 73 Resp: 185696
Ion Ratio Lower Upper
73 100
87 21.6 17.6 26.4
71 11.3 9.2 13.8



#34
Propionitrile
Concen: 25.599 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 54 Resp: 34494
Ion Ratio Lower Upper
54 100
52 21.2 16.6 25.0
55 17.5 12.9 19.3
40 6.9 2.6 4.0#





#35

Benzene

Concen: 4.987 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

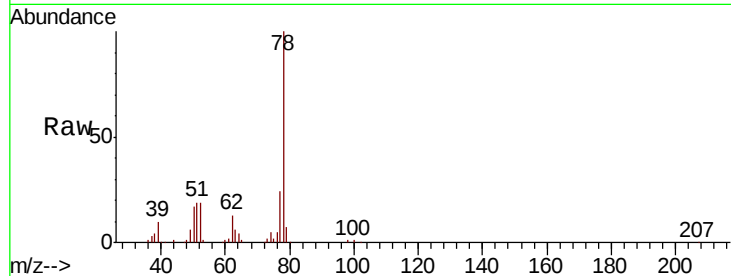
VSTDIC005

Tgt Ion: 78 Resp: 321781

Ion Ratio Lower Upper

78 100

77 23.7 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

100000

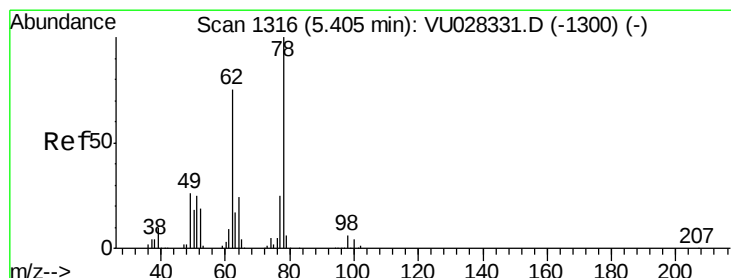
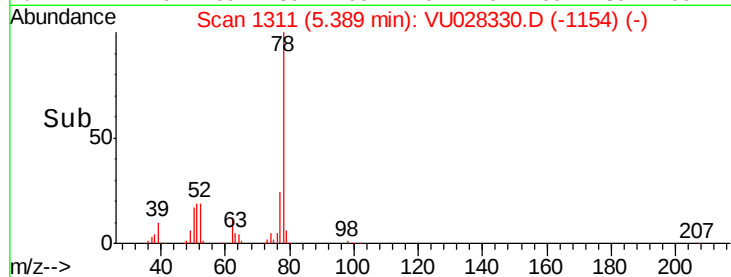
50000

0

5.39

5.30 5.35 5.40 5.45 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 4.906 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028330.D

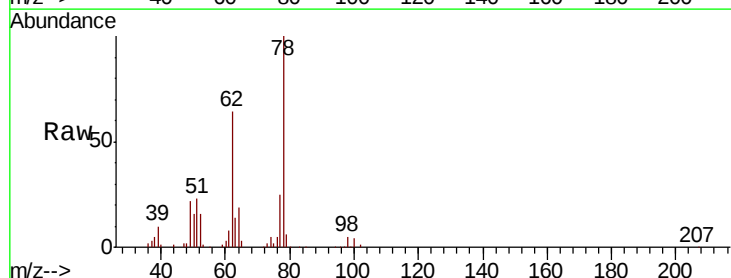
Acq: 26 Nov 2018 11:01

Tgt Ion: 62 Resp: 94679

Ion Ratio Lower Upper

62 100

98 7.3 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

50000

40000

30000

20000

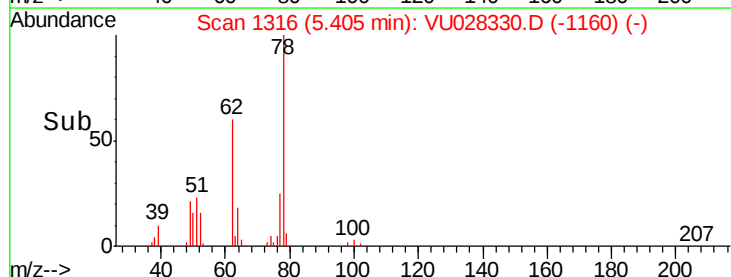
10000

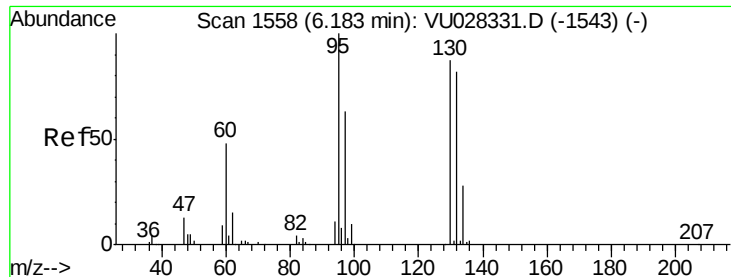
0

5.40

5.30 5.35 5.40 5.45 5.50

Time-->





#37

Trichloroethene

Concen: 4.949 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

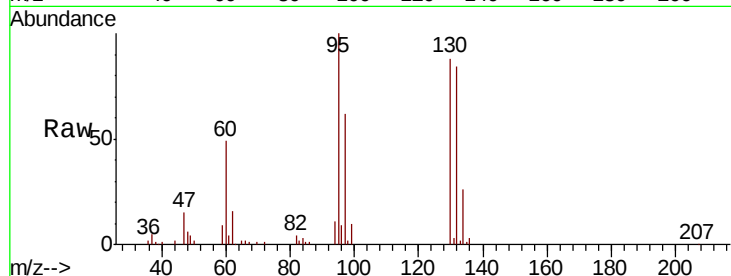
VSTDIC005

Tgt Ion:130 Resp: 69552

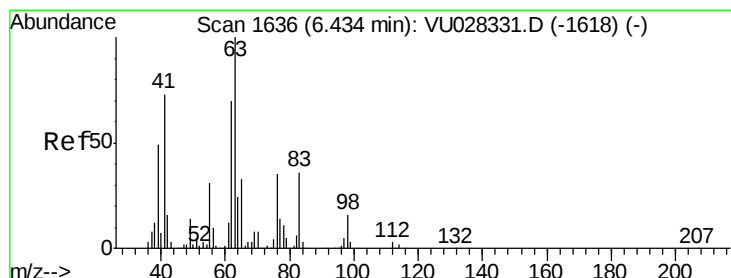
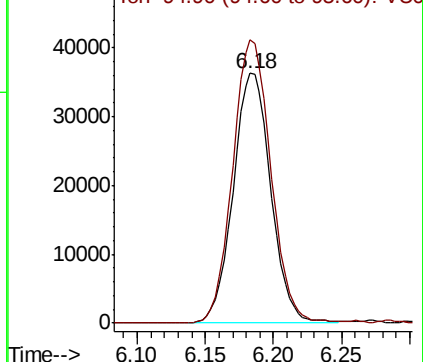
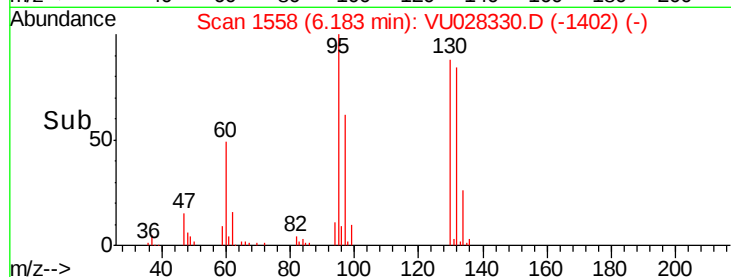
Ion Ratio Lower Upper

130 100

95 113.4 91.5 137.3



Abundance Ion 129.90 (129.60 to 130.60): VU028330.D (-1402) (-)



#38

1,2-Dichloropropane

Concen: 5.028 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028330.D

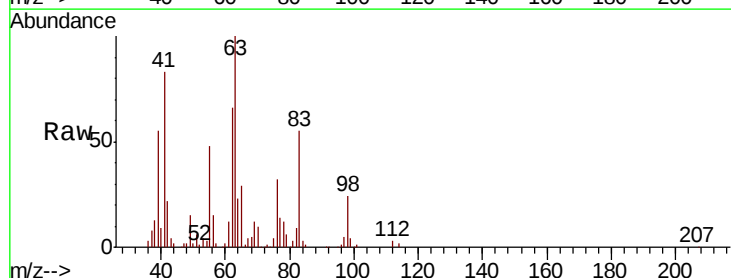
Acq: 26 Nov 2018 11:01

Tgt Ion: 63 Resp: 92535

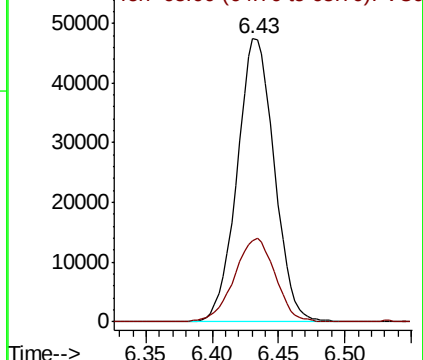
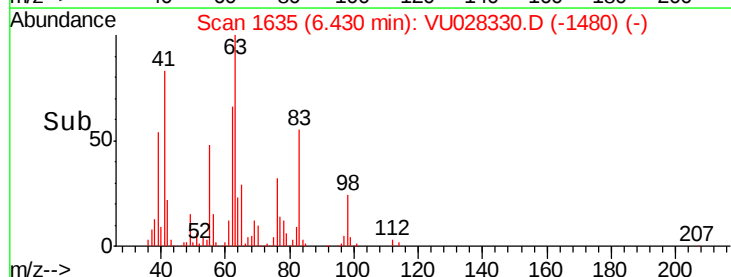
Ion Ratio Lower Upper

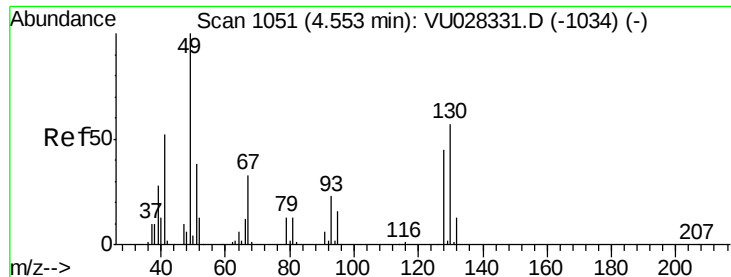
63 100

65 28.9 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028330.D (-1480) (-)

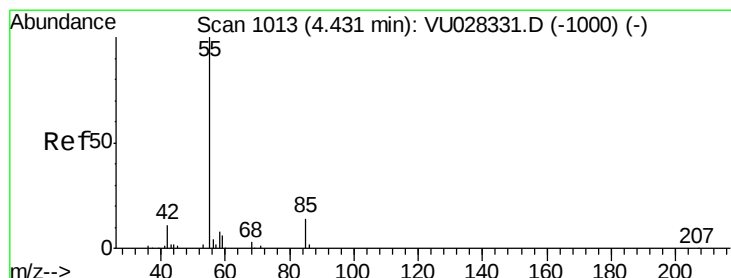
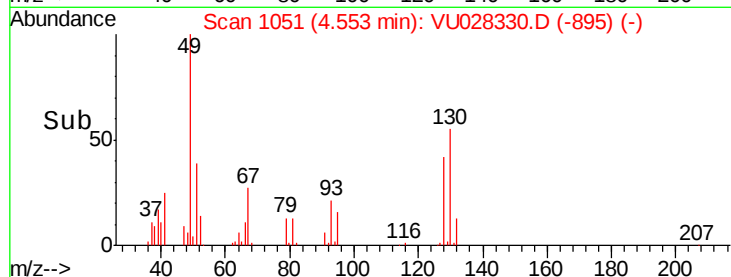
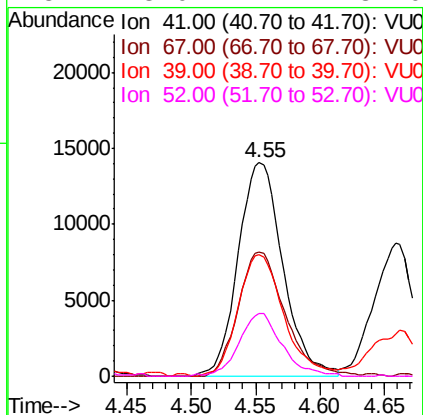
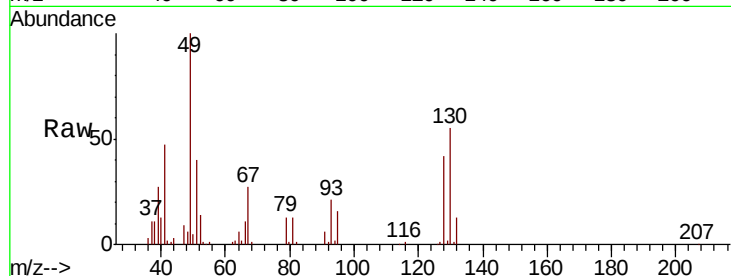




#39
Methacrylonitrile
Concen: 4.716 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

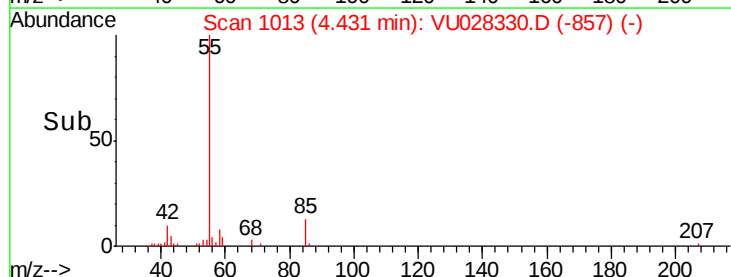
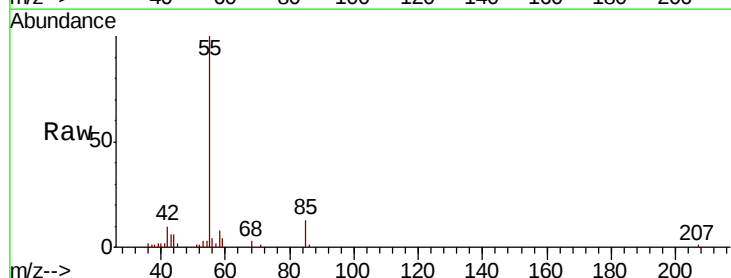
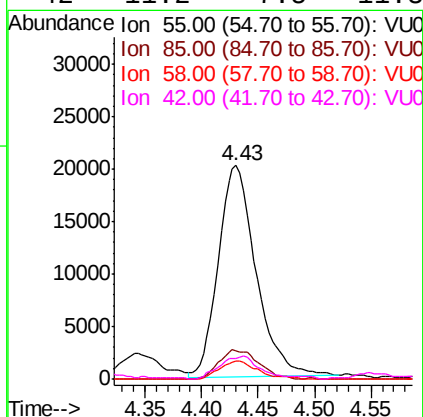
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

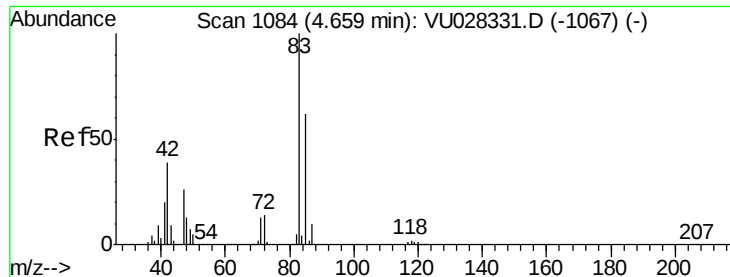
Tgt Ion:	41	Resp:	34037
Ion	Ratio	Lower	Upper
41	100		
67	61.0	48.2	72.4
39	58.3	42.9	64.3
52	28.0	21.4	32.0



#40
Methyl acrylate
Concen: 4.710 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:	55	Resp:	46773
Ion	Ratio	Lower	Upper
55	100		
85	14.4	10.9	16.3
58	8.0	6.4	9.6
42	11.2	7.5	11.3





#41

Tetrahydrofuran

Concen: 9.905 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

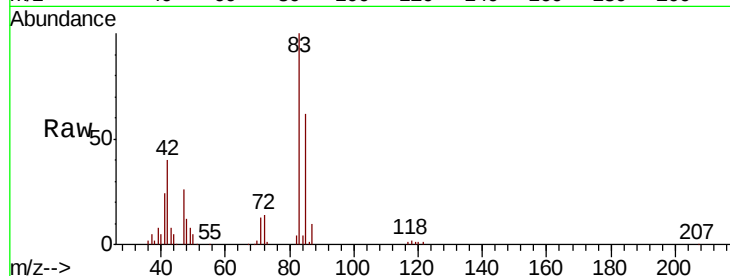
Tgt Ion: 42 Resp: 35936

Ion Ratio Lower Upper

42 100

72 35.2 29.8 44.6

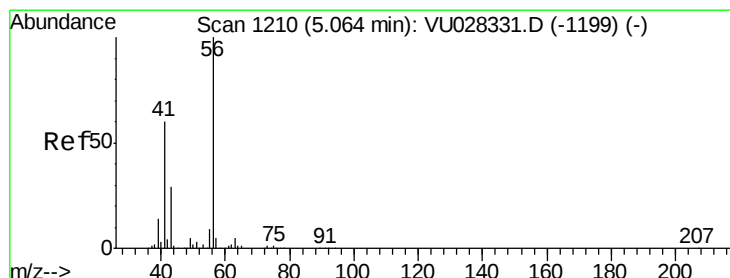
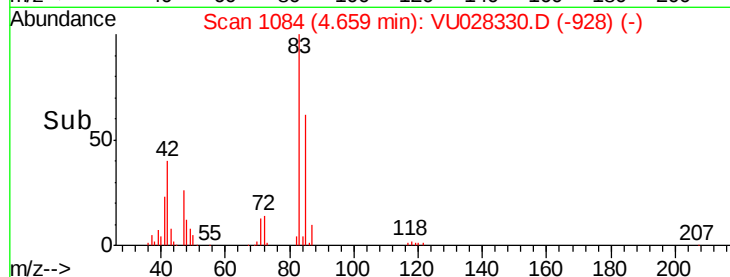
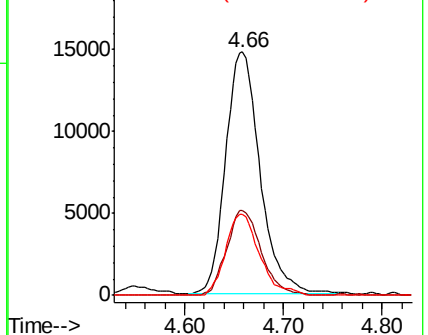
71 33.1 25.9 38.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 4.934 ug/l

RT: 5.06 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VU028330.D

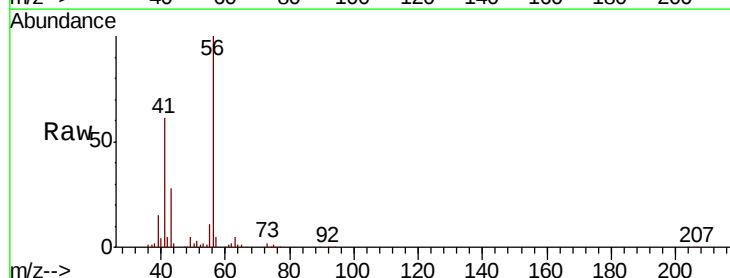
Acq: 26 Nov 2018 11:01

Tgt Ion: 56 Resp: 171934

Ion Ratio Lower Upper

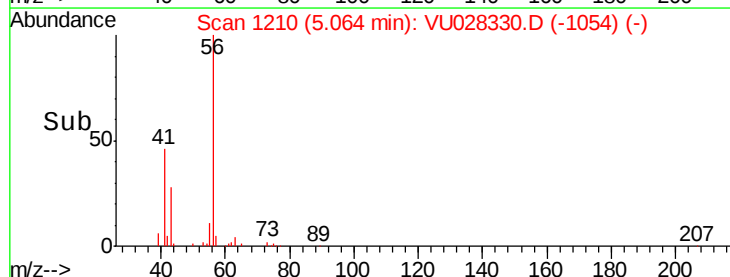
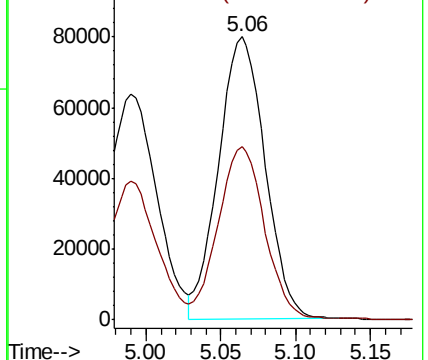
56 100

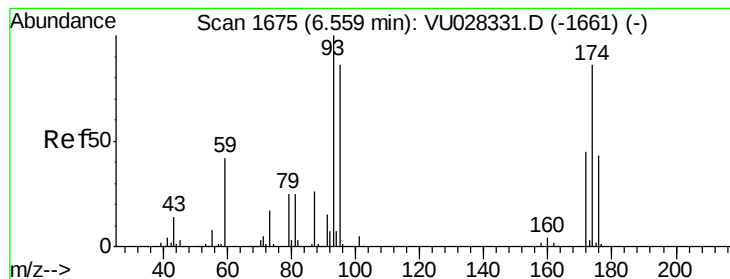
41 61.0 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 5.045 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

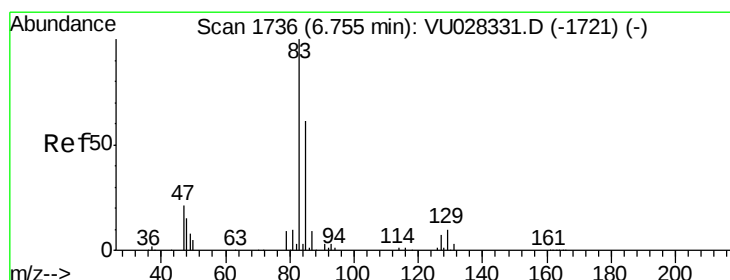
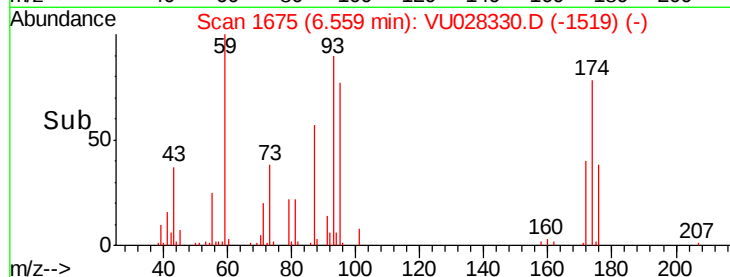
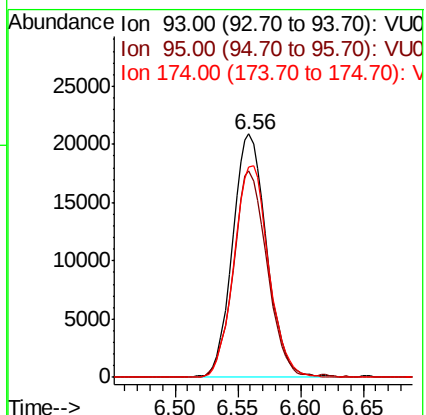
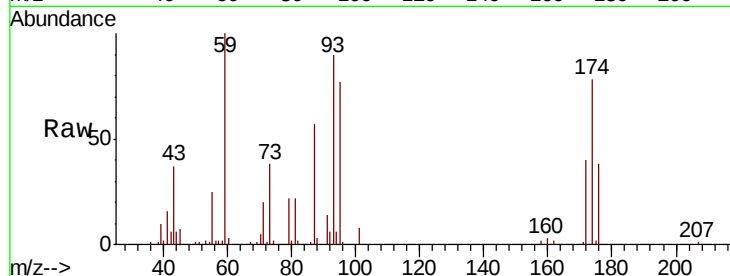
Tgt Ion: 93 Resp: 39518

Ion Ratio Lower Upper

93 100

95 83.5 66.6 99.8

174 88.1 69.4 104.2



#44

Bromodichloromethane

Concen: 4.874 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

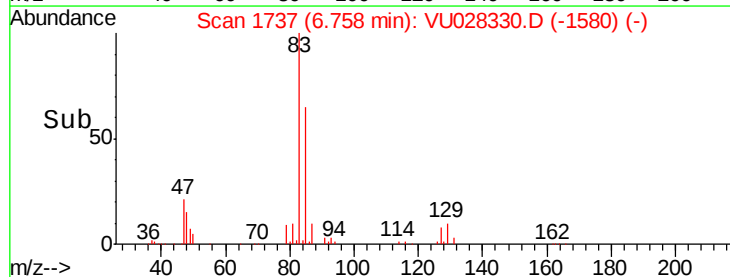
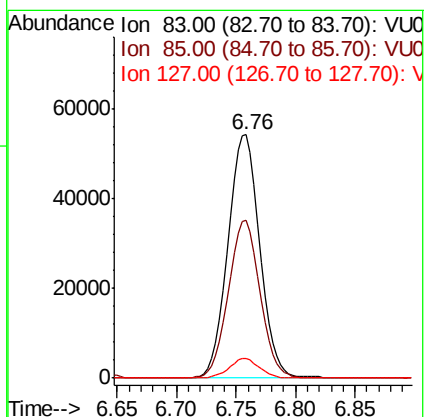
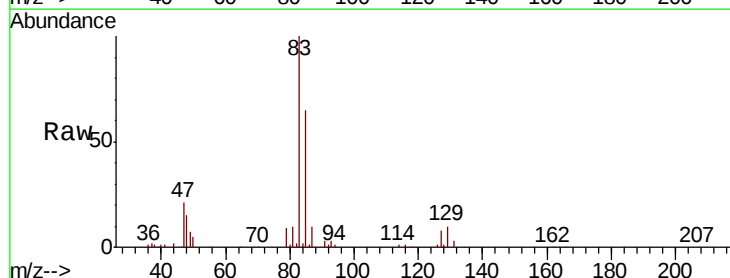
Tgt Ion: 83 Resp: 100818

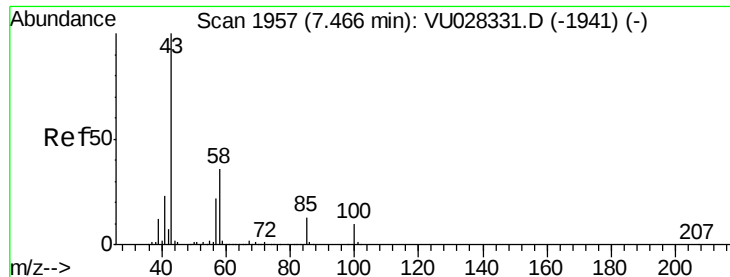
Ion Ratio Lower Upper

83 100

85 64.7 49.0 73.6

127 8.2 5.7 8.5

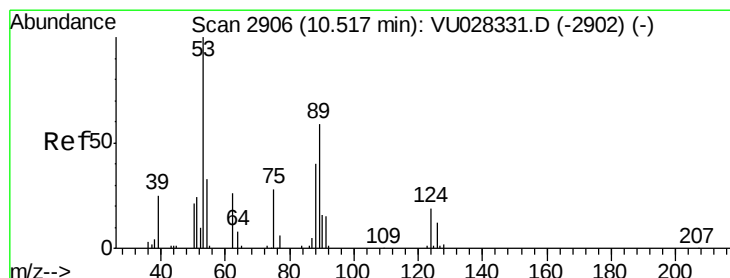
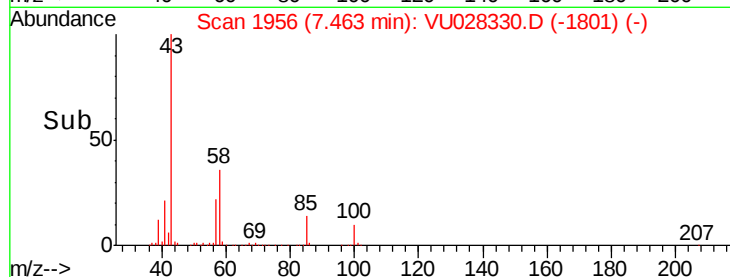
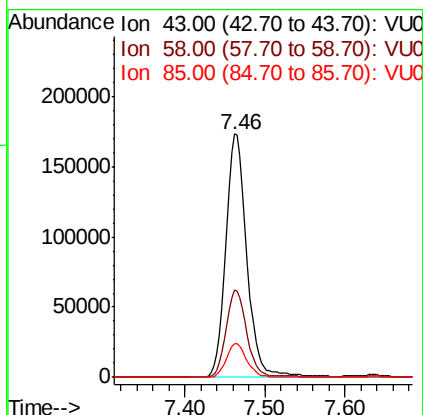
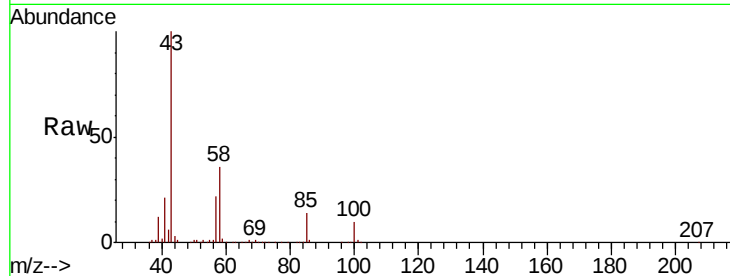




#45
 4-Methyl-2-Pentanone
 Concen: 24.992 ug/l
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

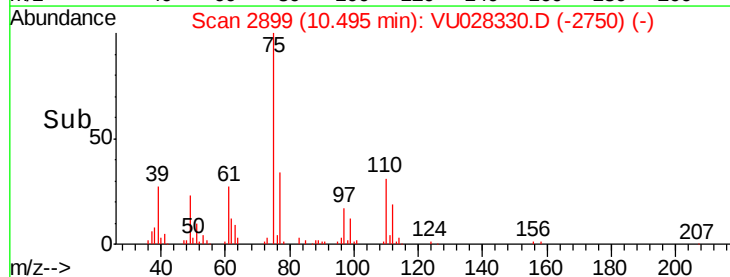
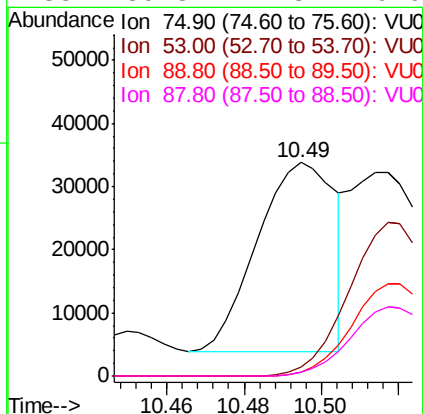
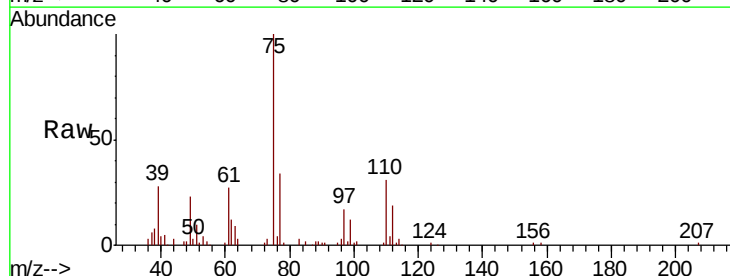
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

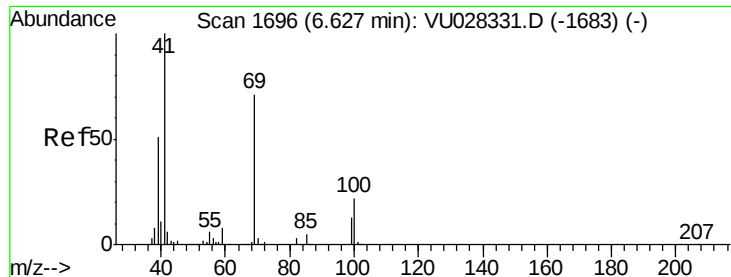
Tgt Ion: 43 Resp: 314471
 Ion Ratio Lower Upper
 43 100
 58 35.5 17.9 53.7
 85 13.5 10.8 16.2



#46
 t-1,4-Dichloro-2-butene
 Concen: 9.294 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.02 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 75 Resp: 41929
 Ion Ratio Lower Upper
 75 100
 53 89.8 65.0 97.6
 89 53.4 38.6 58.0
 88 39.8 27.3 40.9

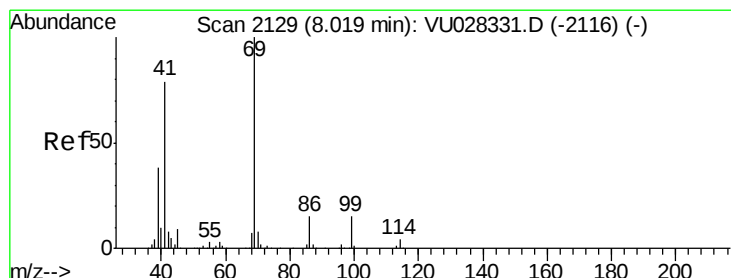
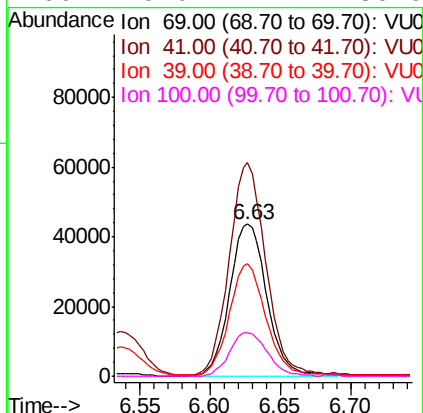
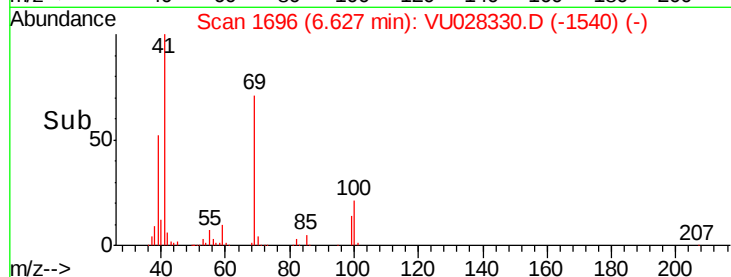
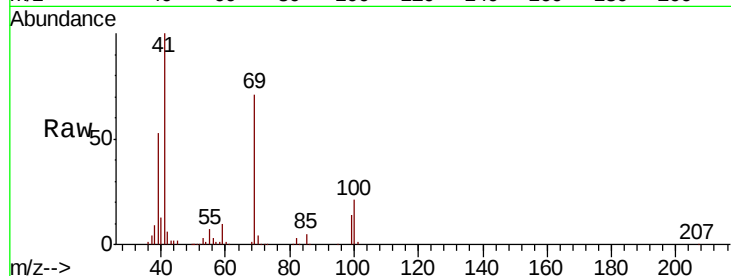




#47
Methyl methacrylate
Concen: 10.126 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

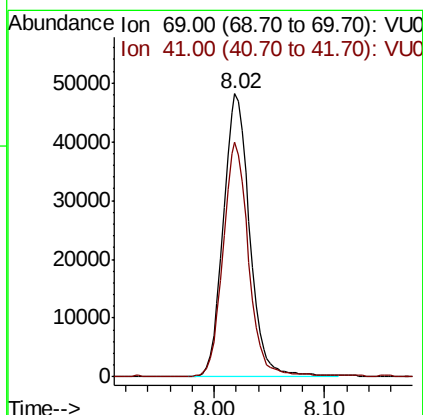
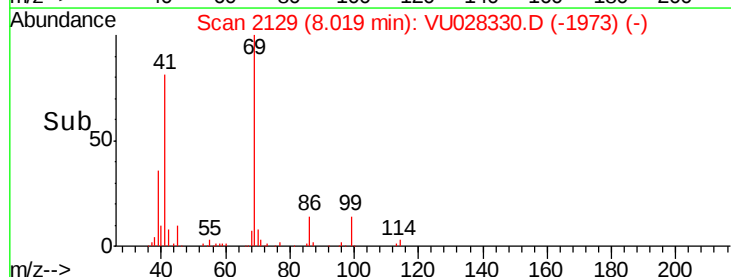
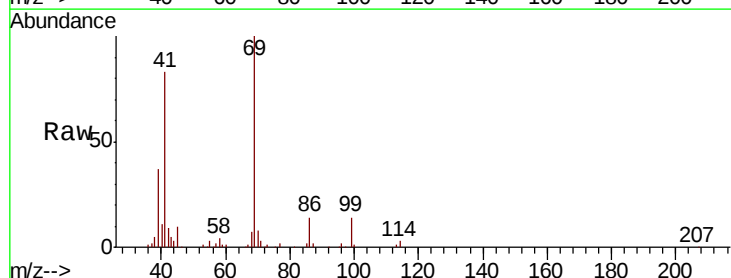
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

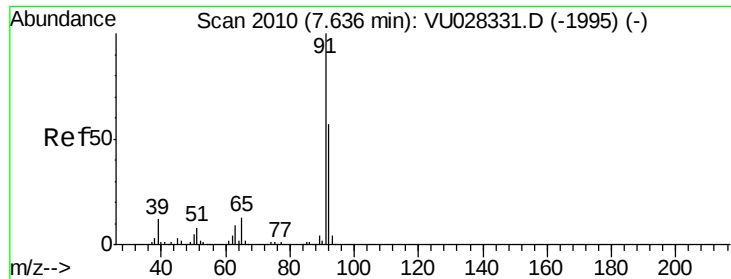
Tgt Ion: 69 Resp: 80968
Ion Ratio Lower Upper
69 100
41 136.3 0.0 277.2
39 71.3 57.6 86.4
100 29.0 24.4 36.6



#48
Ethyl methacrylate
Concen: 5.007 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 69 Resp: 80089
Ion Ratio Lower Upper
69 100
41 80.3 39.4 118.2





#49

Toluene

Concen: 5.037 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

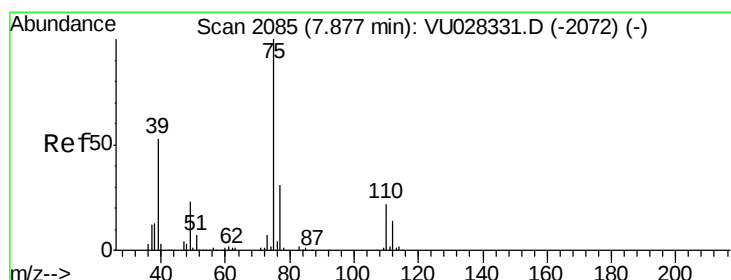
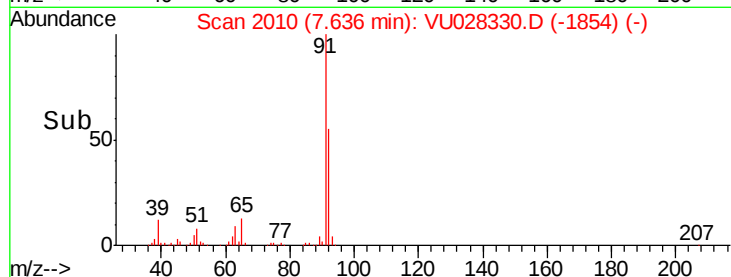
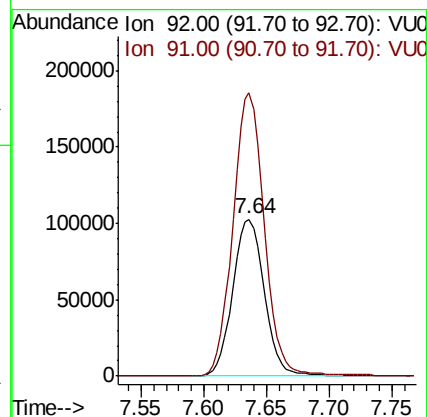
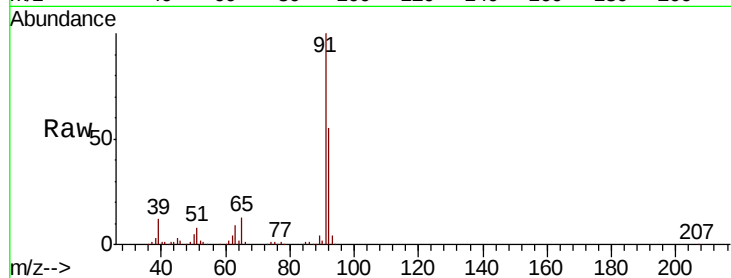
VSTDIC005

Tgt Ion: 92 Resp: 180497

Ion Ratio Lower Upper

92 100

91 179.3 141.5 212.3



#50

t-1,3-Dichloropropene

Concen: 5.016 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028330.D

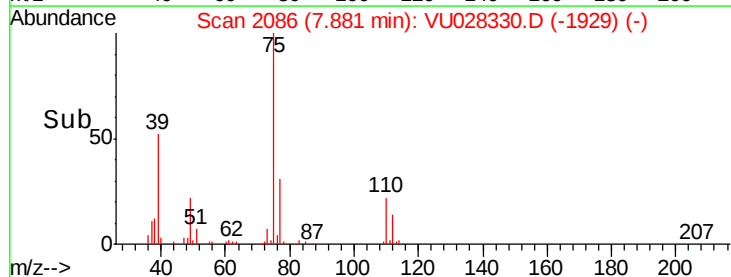
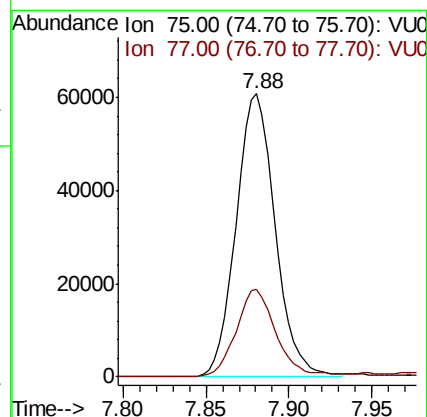
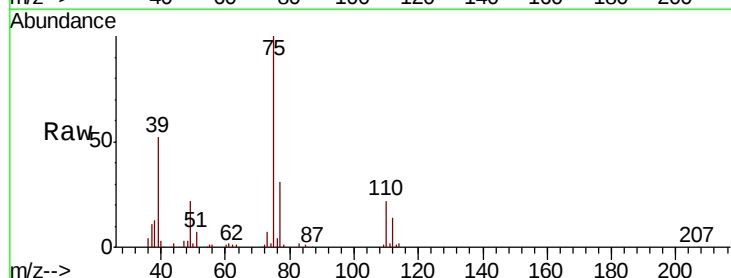
Acq: 26 Nov 2018 11:01

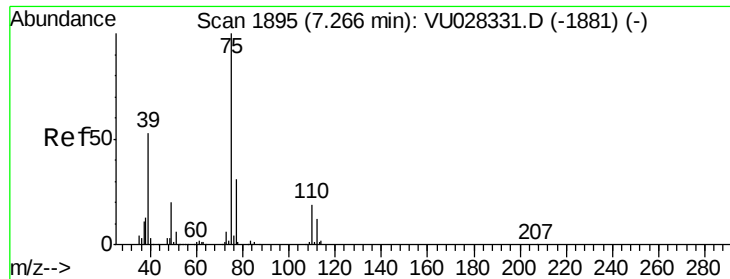
Tgt Ion: 75 Resp: 99662

Ion Ratio Lower Upper

75 100

77 30.6 24.7 37.1





#51

cis-1,3-Dichloropropene

Concen: 4.961 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

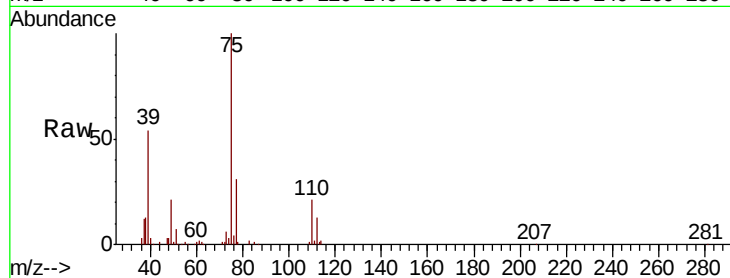
Tgt Ion: 75 Resp: 121703

Ion Ratio Lower Upper

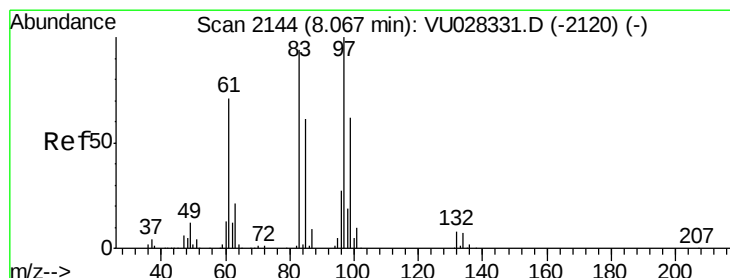
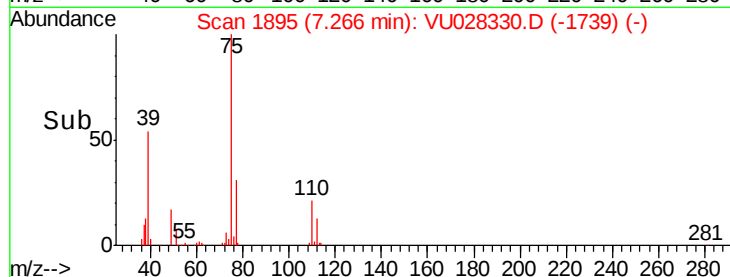
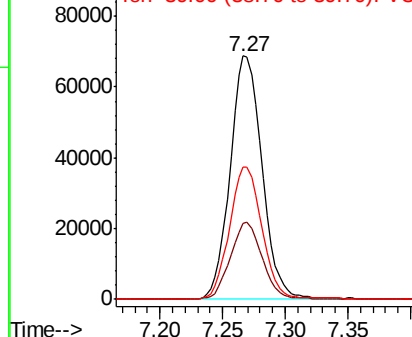
75 100

77 31.0 24.4 36.6

39 54.1 42.8 64.2



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: 4.766 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion: 97 Resp: 52420

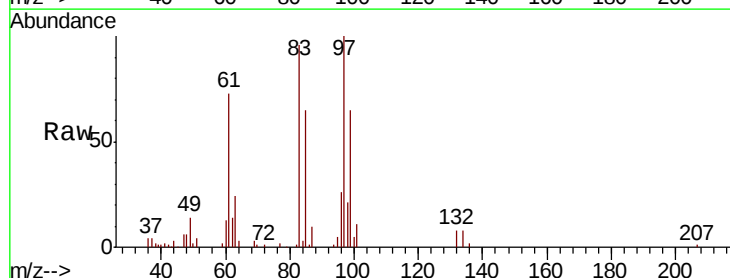
Ion Ratio Lower Upper

97 100

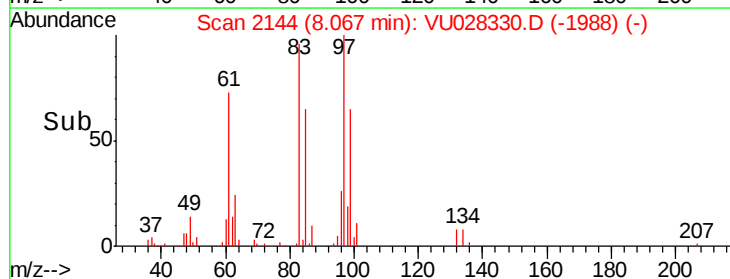
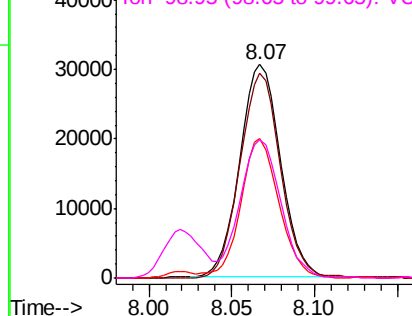
83 96.4 75.1 112.7

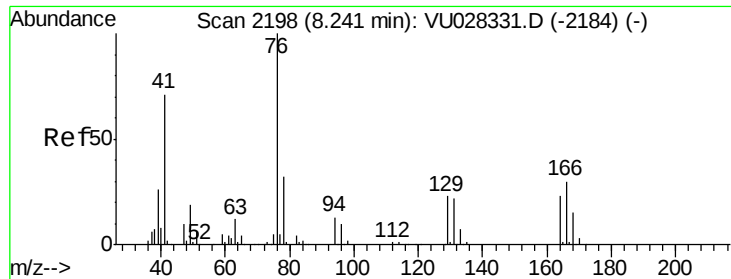
85 65.6 48.7 73.1

99 64.6 49.6 74.4



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

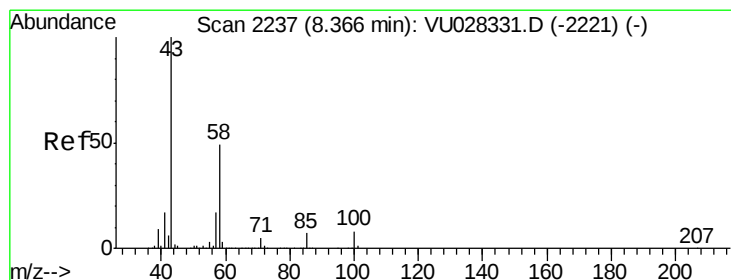
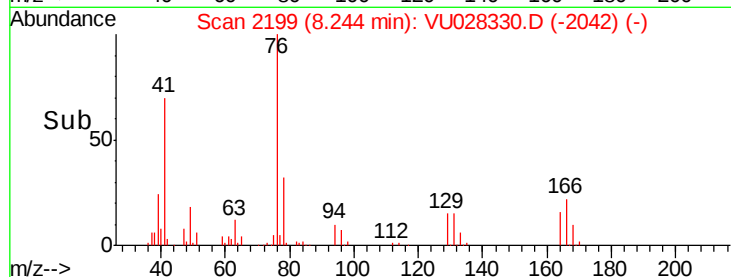
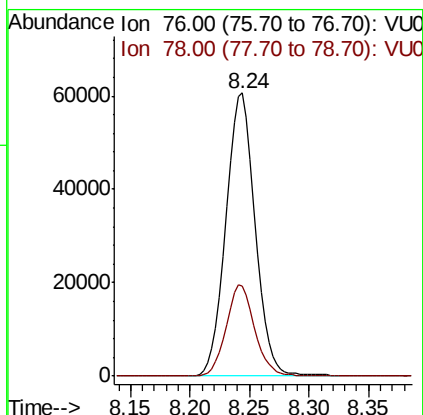
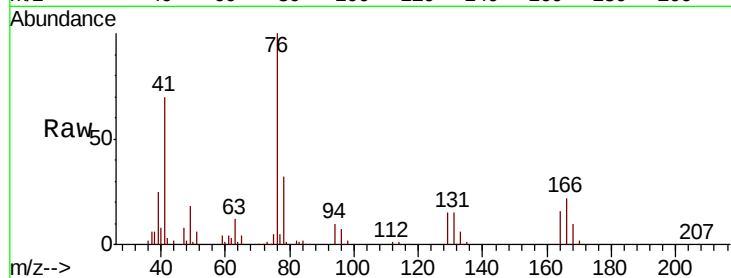




#53
 1,3-Dichloropropane
 Concen: 5.027 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

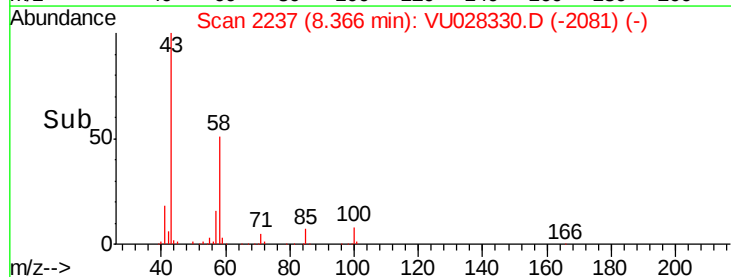
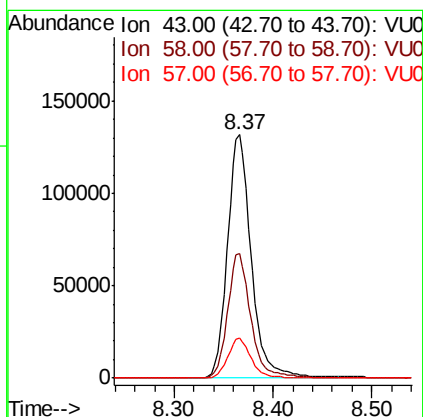
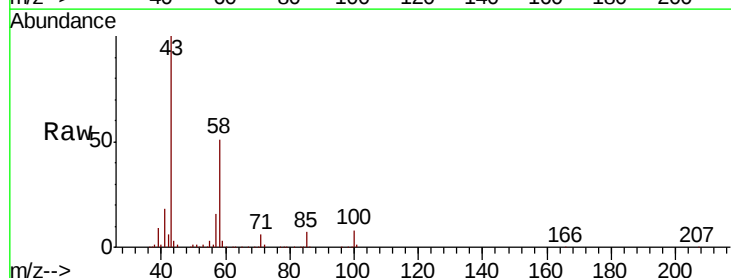
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

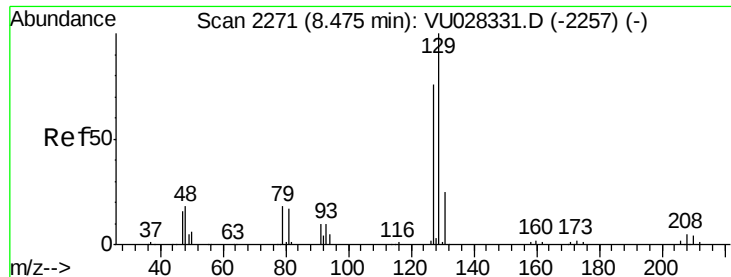
Tgt Ion: 76 Resp: 103285
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.0



#54
 2-Hexanone
 Concen: 24.640 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 43 Resp: 223039
 Ion Ratio Lower Upper
 43 100
 58 49.6 29.3 69.3
 57 16.1 0.0 36.8





#55

Dibromochloromethane

Concen: 4.979 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

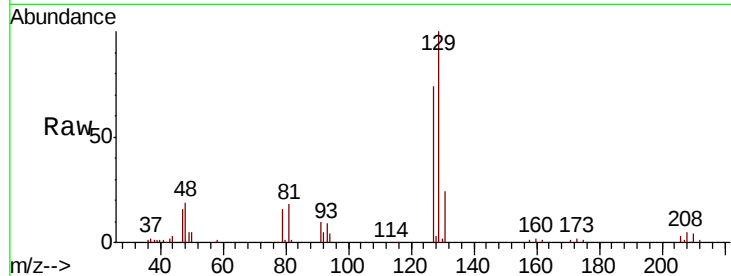
VSTDIC005

Tgt Ion:129 Resp: 58242

Ion Ratio Lower Upper

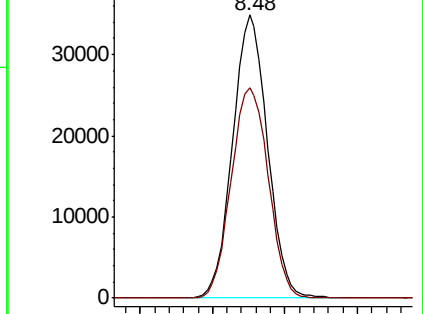
129 100

127 78.8 61.0 91.4

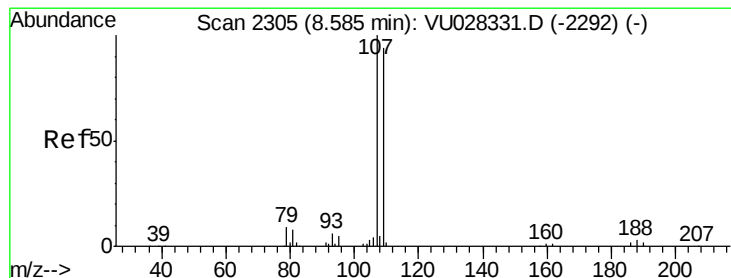
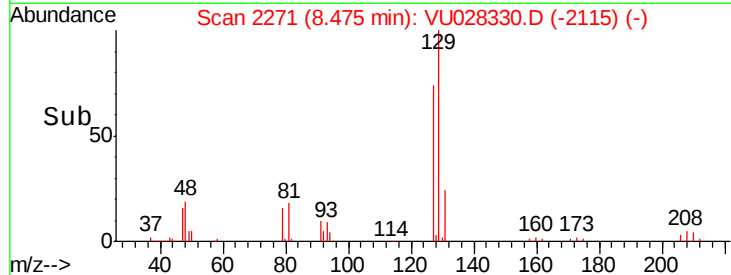


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#56

1,2-Dibromoethane

Concen: 4.902 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028330.D

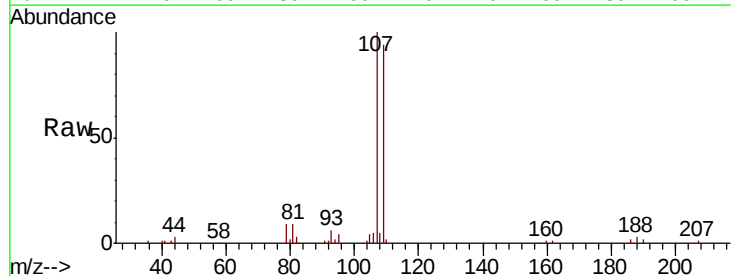
Acq: 26 Nov 2018 11:01

Tgt Ion:107 Resp: 49110

Ion Ratio Lower Upper

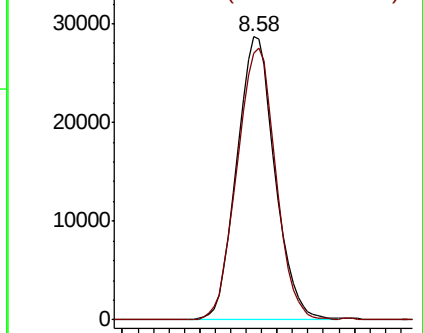
107 100

109 97.6 0.0 187.8

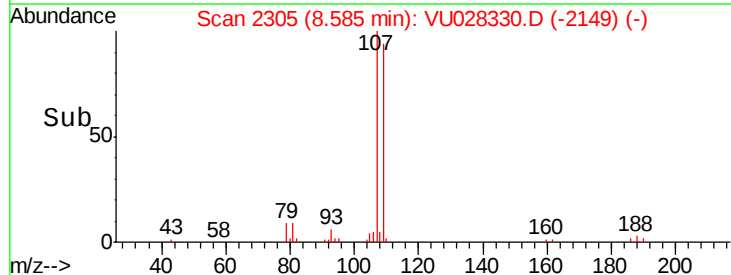


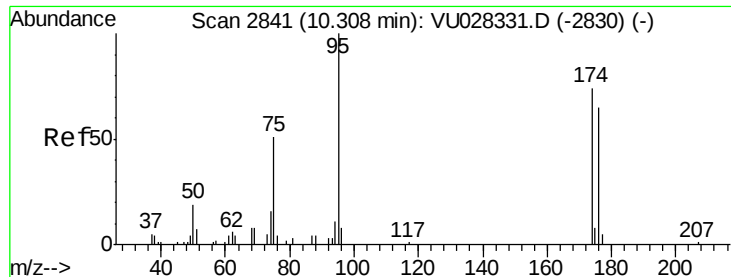
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->

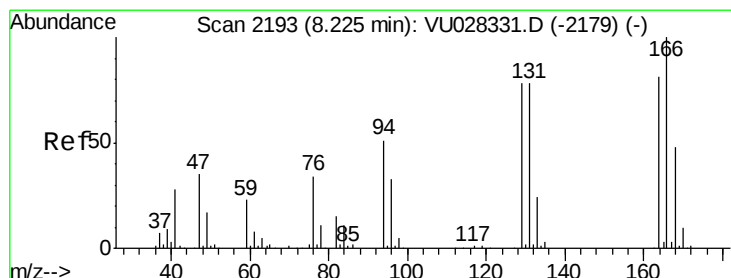
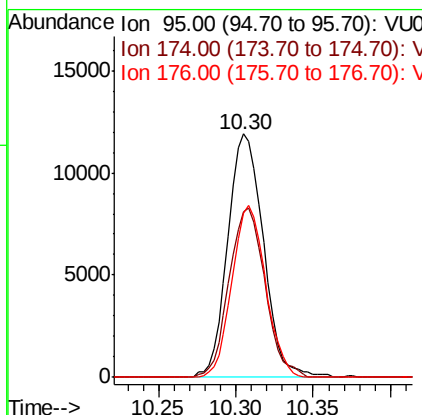
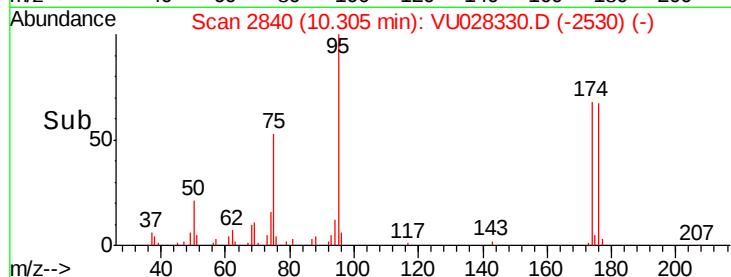
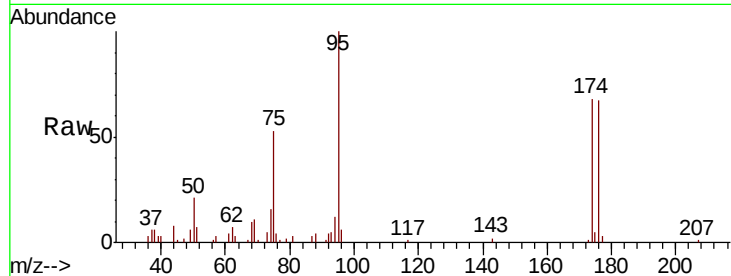




#57
4-Bromofluorobenzene
Concen: 4.902 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

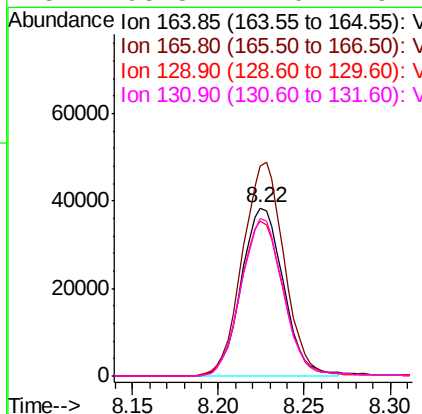
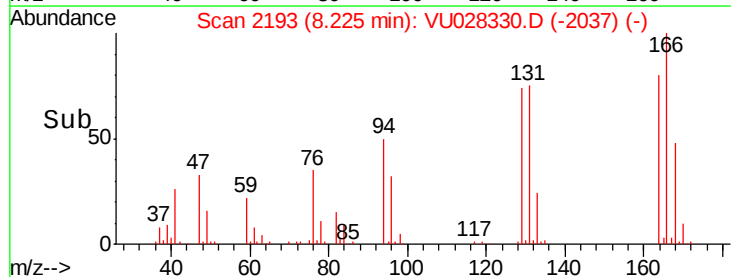
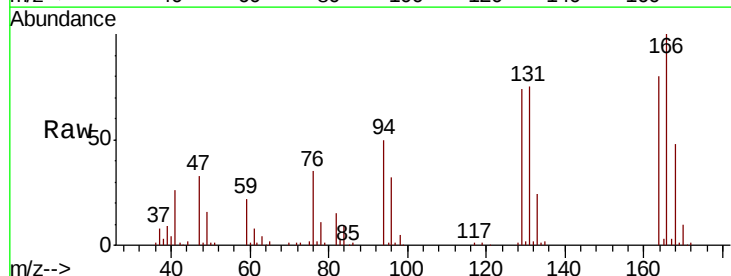
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

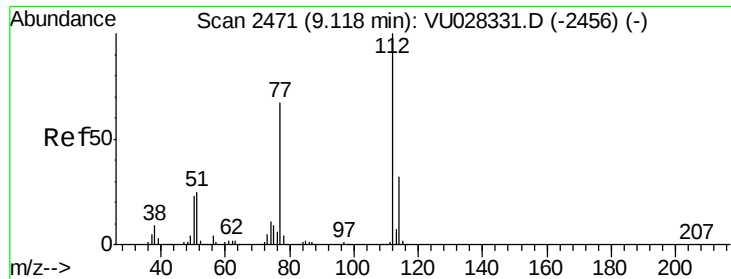
Tgt Ion: 95 Resp: 19054
Ion Ratio Lower Upper
95 100
174 70.1 59.3 88.9
176 66.5 54.3 81.5



#58
Tetrachloroethene
Concen: 5.092 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 164 Resp: 65531
Ion Ratio Lower Upper
164 100
166 124.6 98.6 148.0
129 92.3 77.0 115.4
131 93.8 77.0 115.4

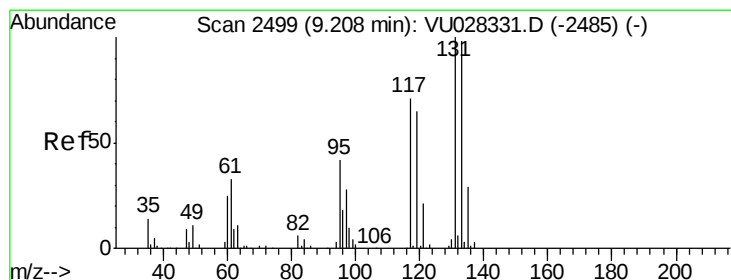
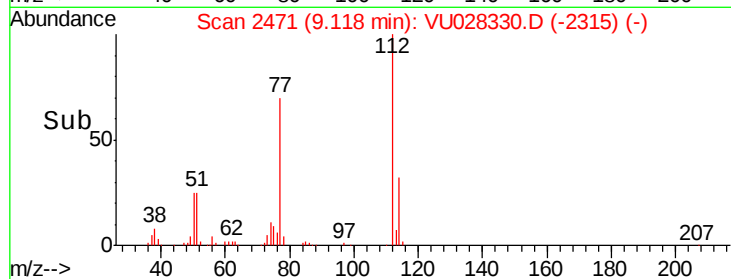
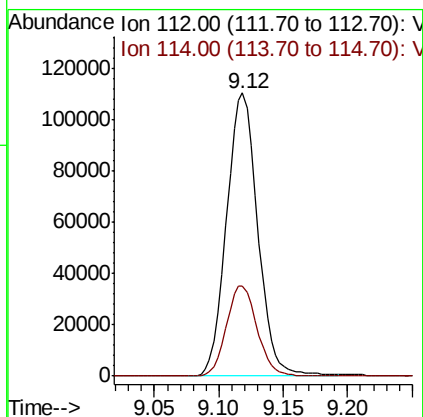
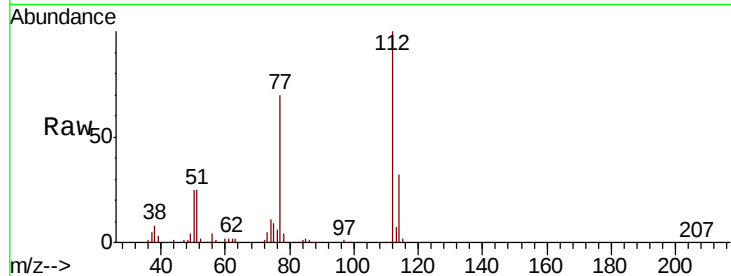




#59
Chlorobenzene
Concen: 4.973 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

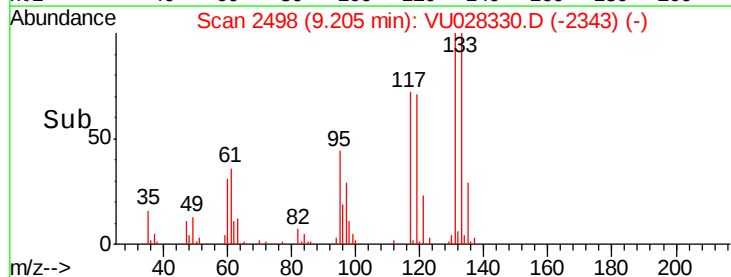
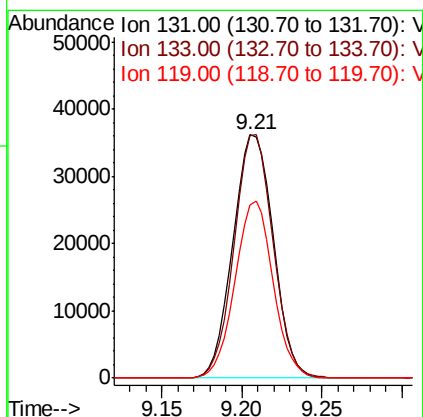
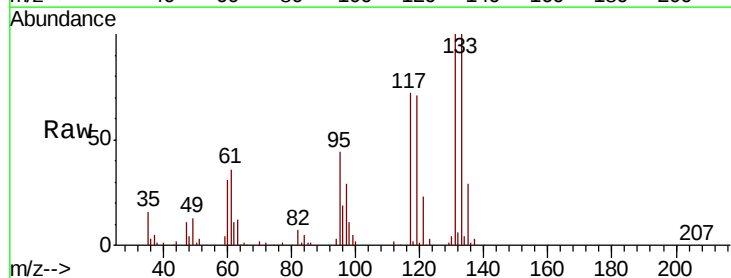
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

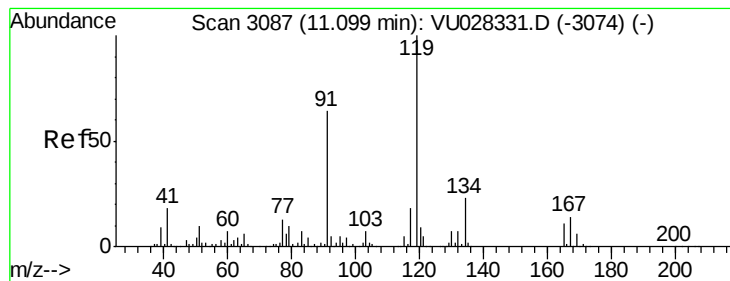
Tgt Ion:112 Resp: 185450
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 4.917 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:131 Resp: 62142
Ion Ratio Lower Upper
131 100
133 96.2 77.7 116.5
119 68.6 54.3 81.5





#61

Pentachloroethane

Concen: 5.032 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

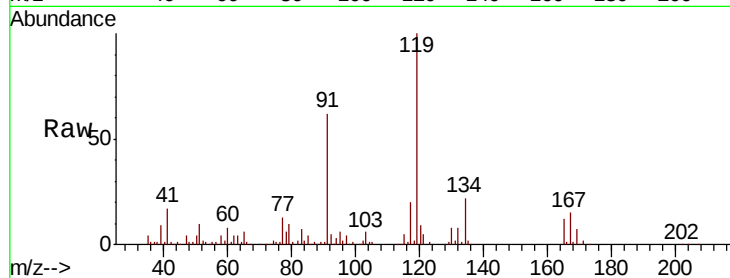
VSTDIC005

Tgt Ion:117 Resp: 49490

Ion Ratio Lower Upper

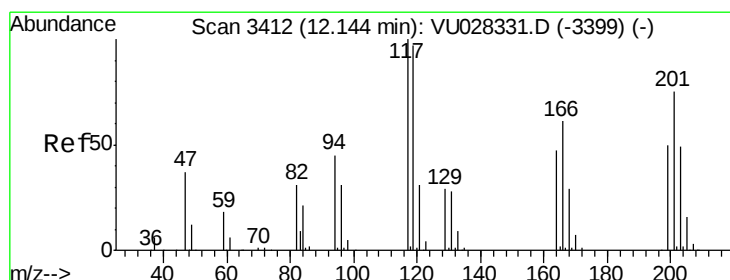
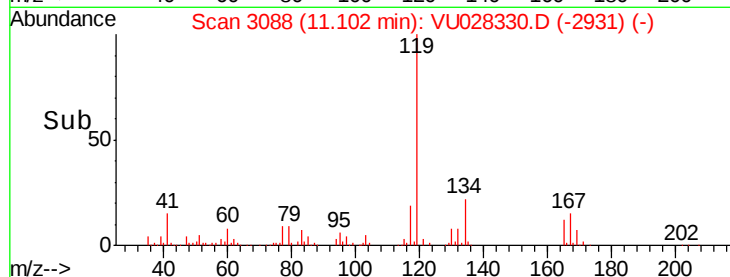
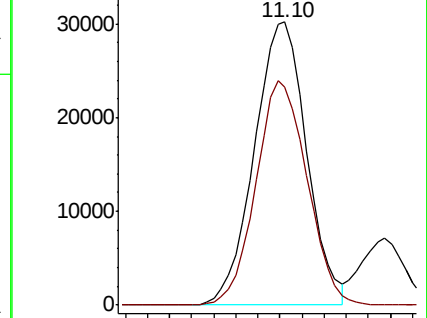
117 100

167 77.7 64.2 96.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 4.917 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028330.D

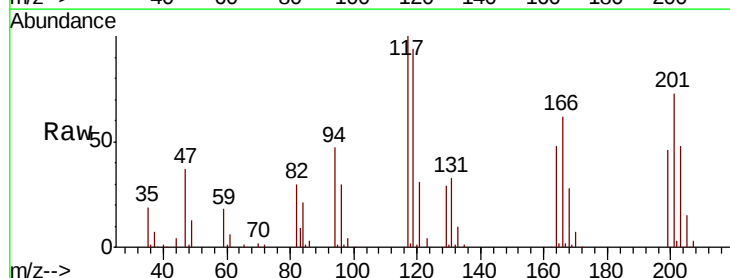
Acq: 26 Nov 2018 11:01

Tgt Ion:117 Resp: 45310

Ion Ratio Lower Upper

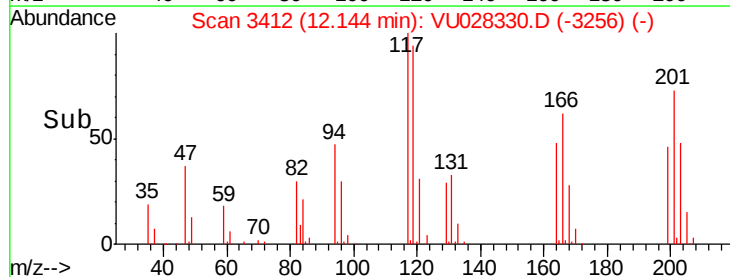
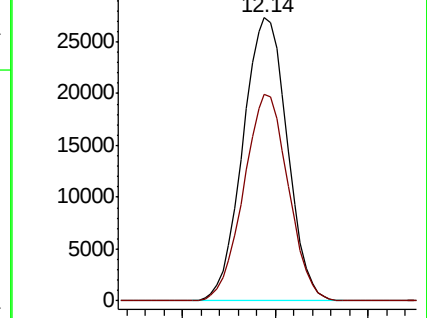
117 100

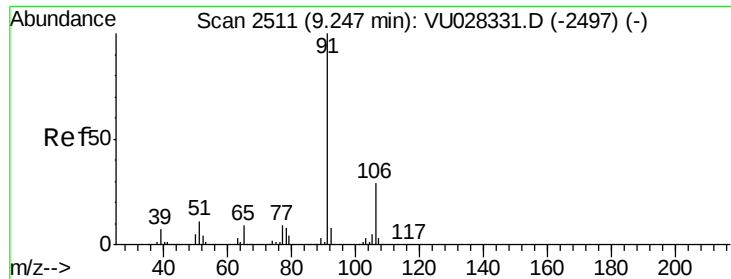
201 73.2 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

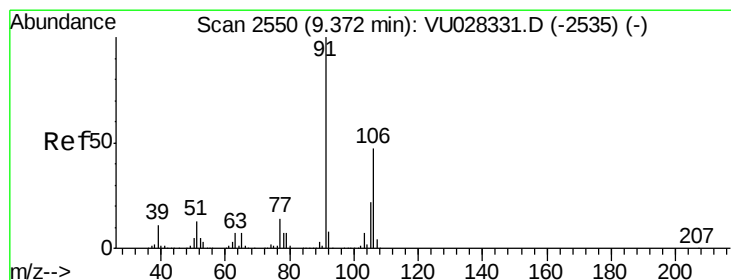
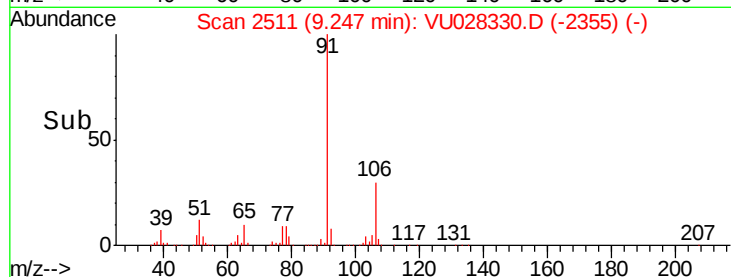
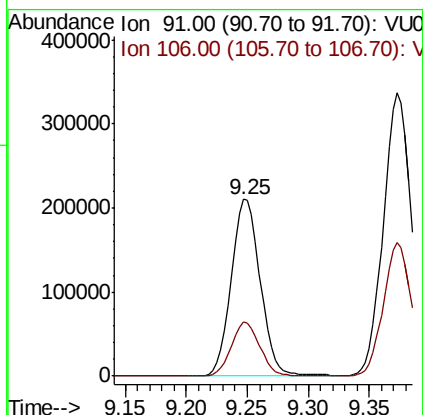
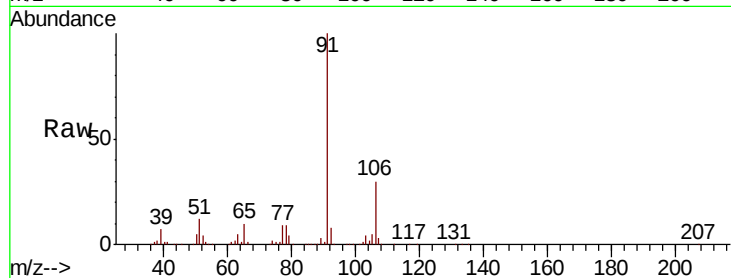




#63
Ethyl Benzene
Concen: 5.081 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

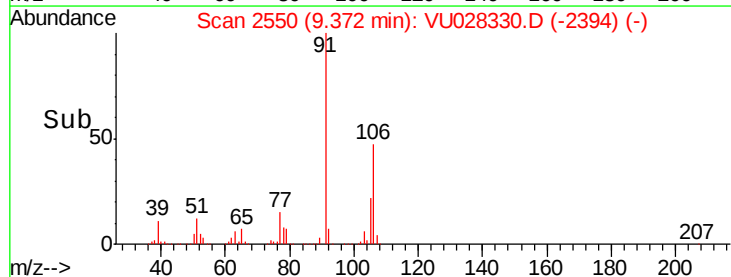
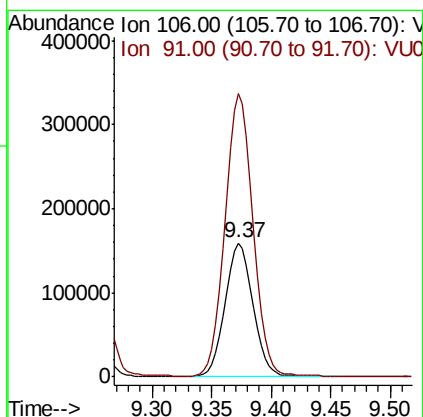
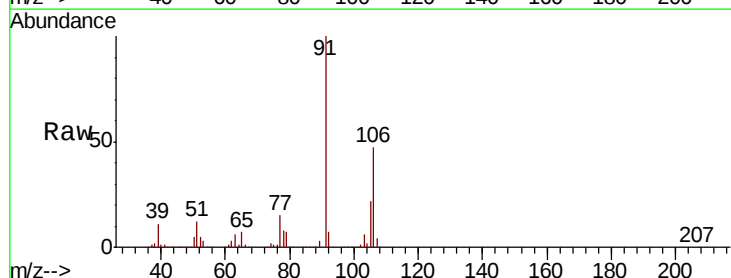
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

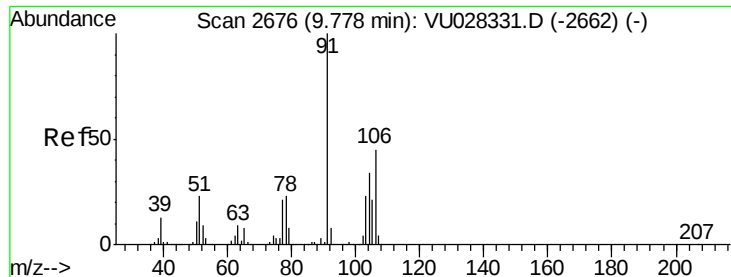
Tgt Ion: 91 Resp: 349631
Ion Ratio Lower Upper
91 100
106 30.5 23.4 35.2



#64
m/p-Xylenes
Concen: 10.351 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 106 Resp: 257741
Ion Ratio Lower Upper
106 100
91 212.1 170.6 256.0

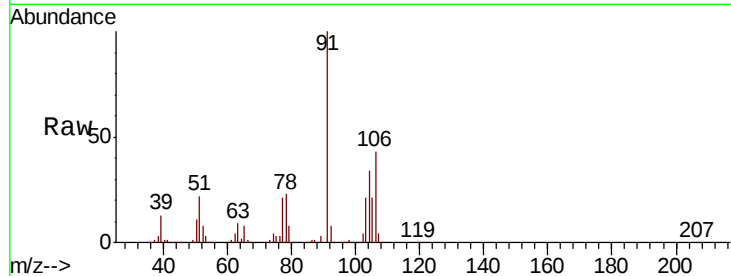




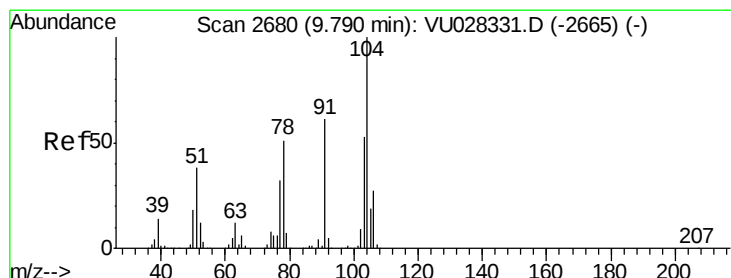
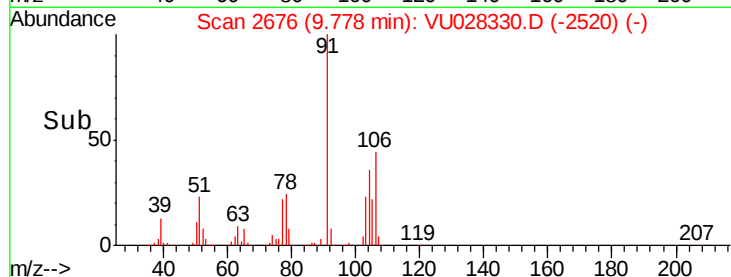
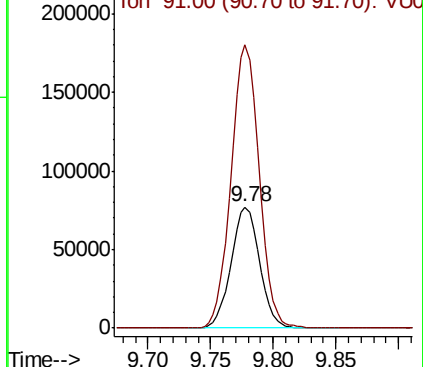
#65
o-Xylene
Concen: 5.083 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 122131
Ion Ratio Lower Upper
106 100
91 229.8 112.3 337.0

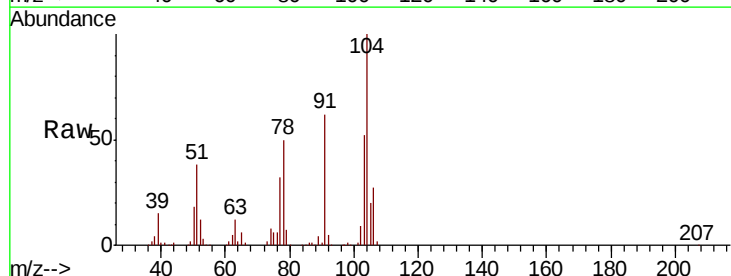


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

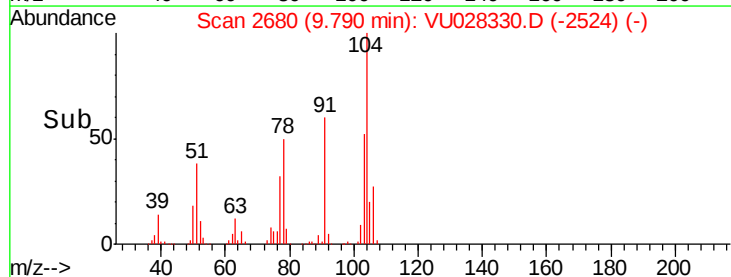
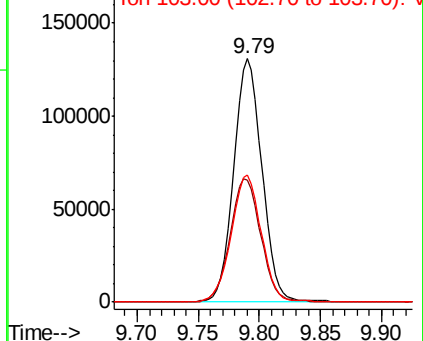


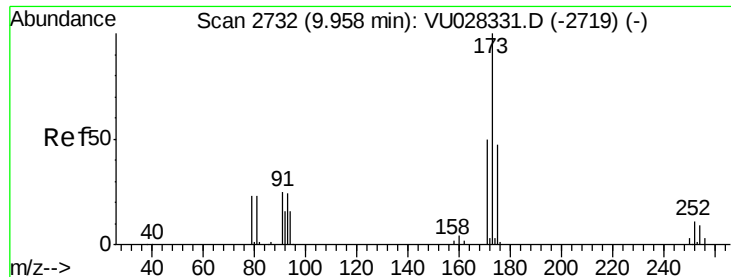
#66
Styrene
Concen: 5.120 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:104 Resp: 211013
Ion Ratio Lower Upper
104 100
78 55.4 44.0 66.0
103 55.7 45.2 67.8



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

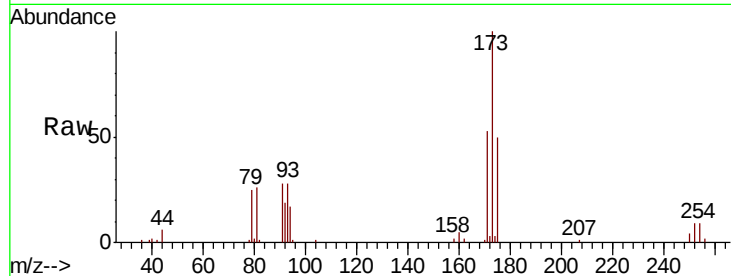




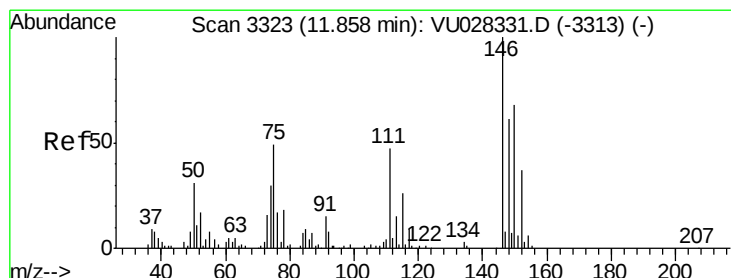
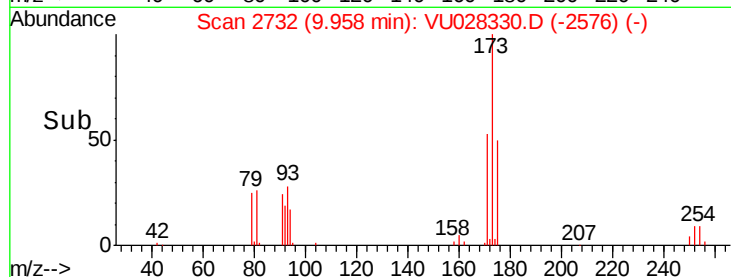
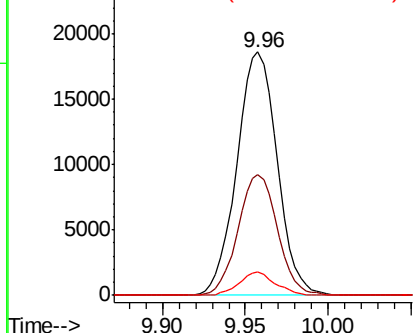
#67
 Bromoform
 Concen: 4.818 ug/l
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:173 Resp: 31591
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 8.5 6.8 10.2

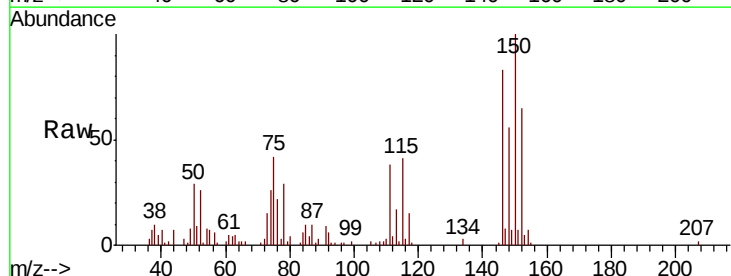


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

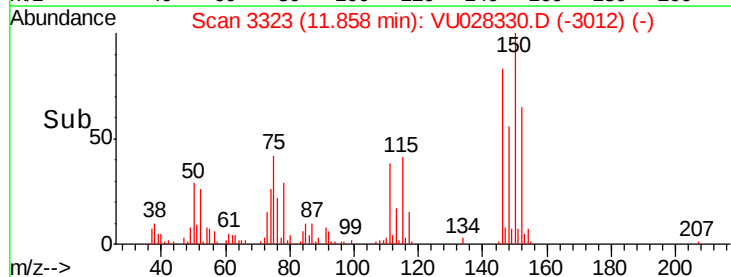
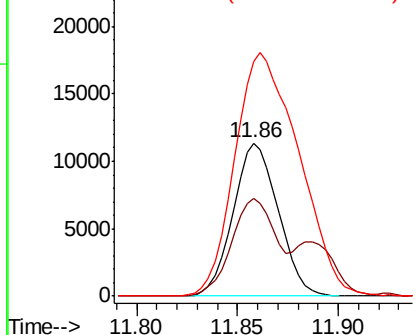


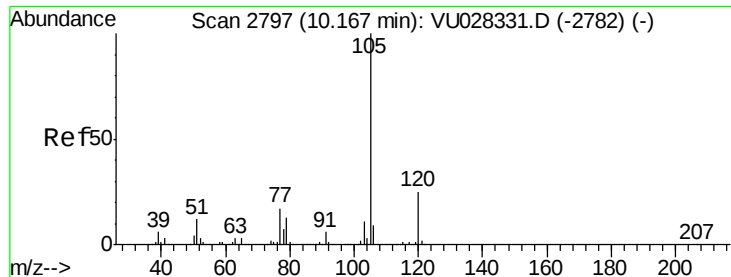
#68
 1,2-Dichlorobenzene-d4
 Concen: 4.818 ug/l
 RT: 11.86 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:152 Resp: 17750
 Ion Ratio Lower Upper
 152 100
 115 62.1 0.0 146.8
 150 225.2 0.0 653.2



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





#69

Isopropylbenzene

Concen: 5.098 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

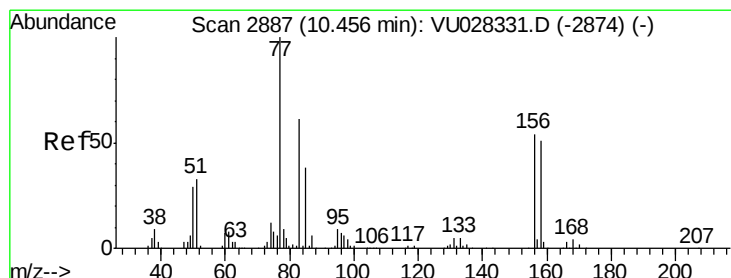
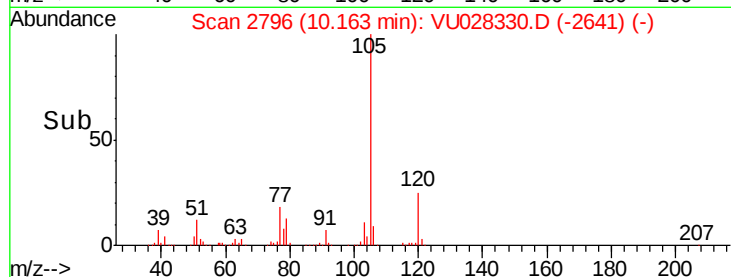
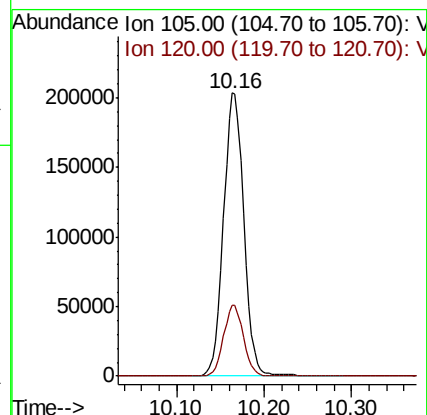
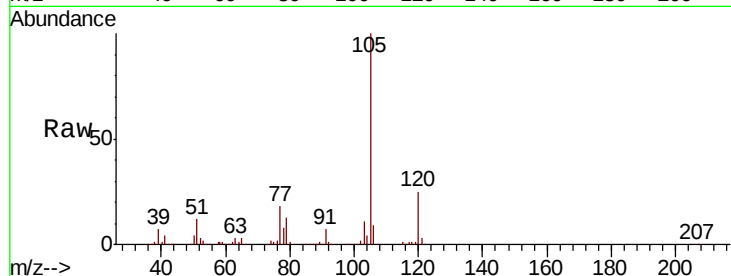
VSTDIC005

Tgt Ion:105 Resp: 328043

Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 4.952 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

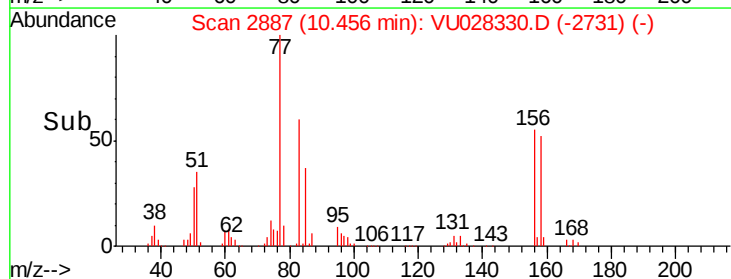
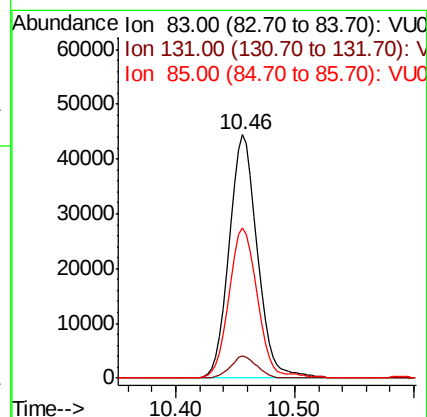
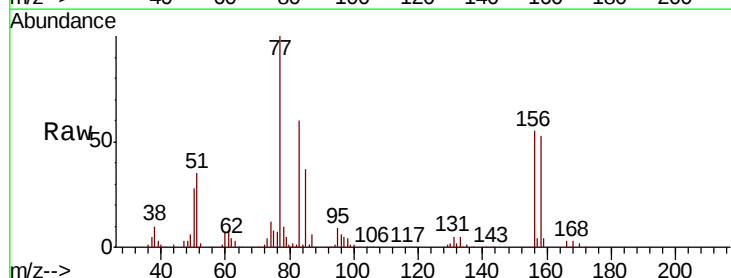
Tgt Ion: 83 Resp: 73049

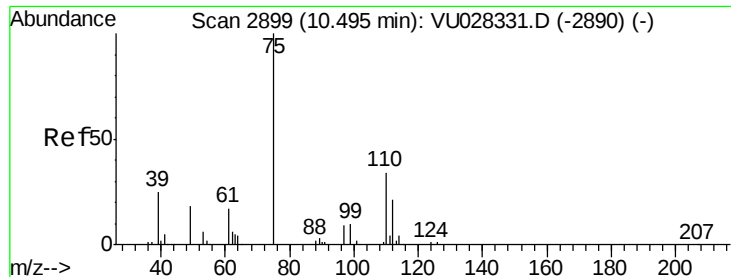
Ion Ratio Lower Upper

83 100

131 8.4 6.6 9.8

85 62.6 50.5 75.7

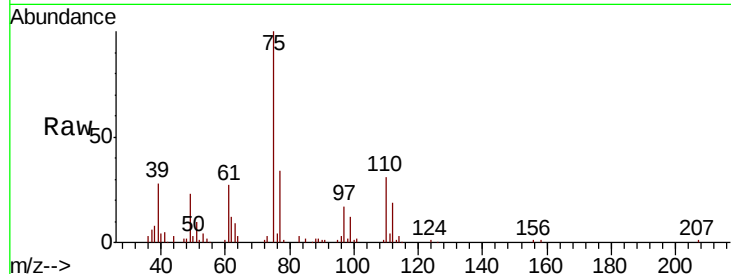




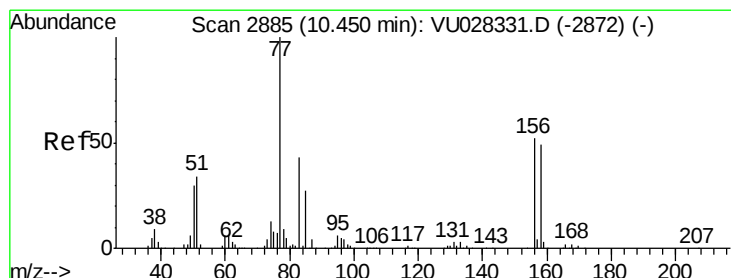
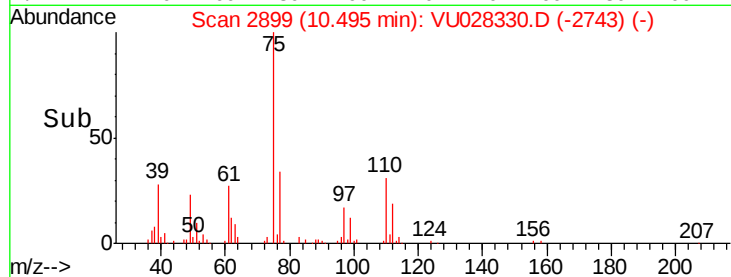
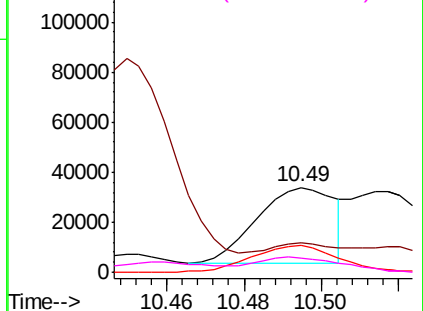
#71
 1,2,3-Trichloropropane
 Concen: 4.125 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:	75	Resp:	41929
Ion	Ratio	Lower	Upper
75	100		
77	10.0	0.0	0.0#
110	40.0	0.0	67.6
97	22.8	0.0	35.8

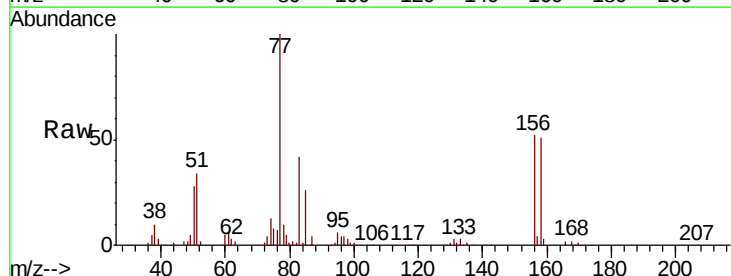


Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2890) (-)
 Ion 77.00 (76.70 to 77.70): VU028331.D (-2890) (-)
 Ion 110.00 (109.70 to 110.70): VU028331.D (-2890) (-)
 Ion 97.00 (96.70 to 97.70): VU028331.D (-2890) (-)

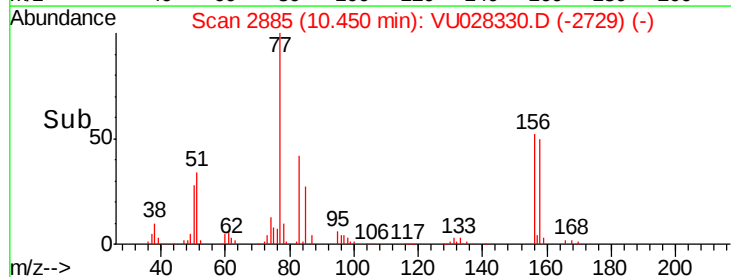
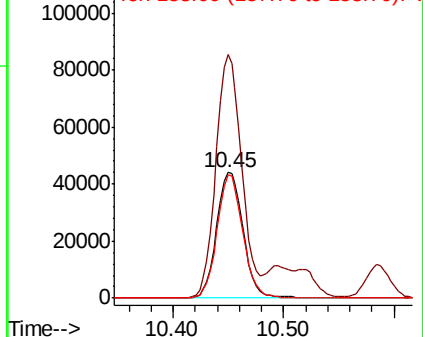


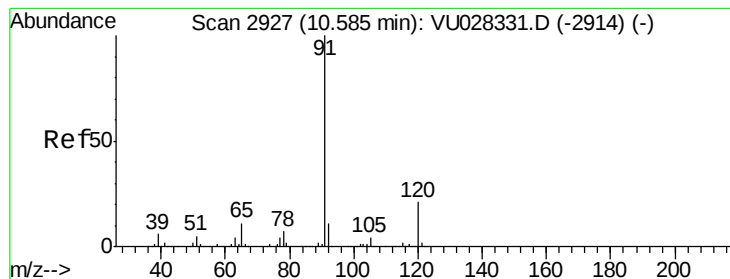
#72
 Bromobenzene
 Concen: 5.130 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:	156	Resp:	73267
Ion	Ratio	Lower	Upper
156	100		
77	188.0	0.0	380.4
158	95.1	0.0	191.2



Abundance Ion 156.00 (155.70 to 156.70): VU028331.D (-2872) (-)
 Ion 77.00 (76.70 to 77.70): VU028331.D (-2872) (-)
 Ion 158.00 (157.70 to 158.70): VU028331.D (-2872) (-)





#73

n-propylbenzene

Concen: 5.163 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

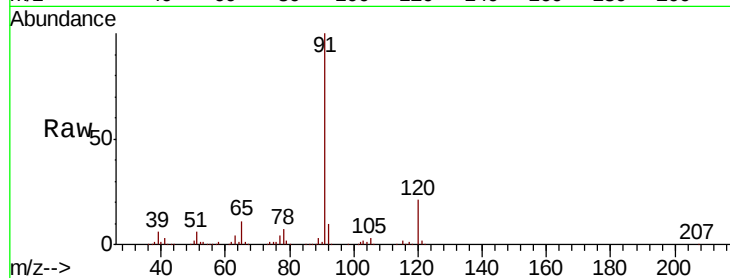
VSTDIC005

Tgt Ion:120 Resp: 86164

Ion Ratio Lower Upper

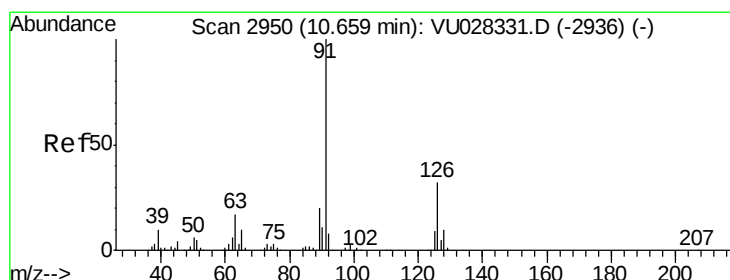
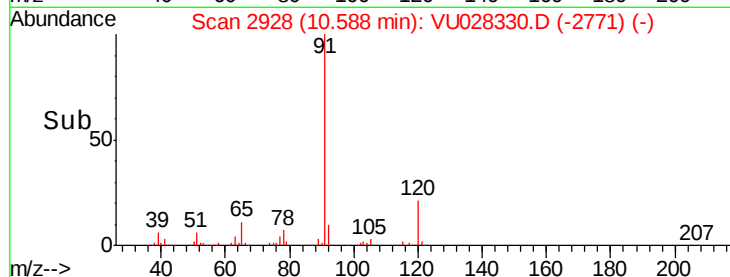
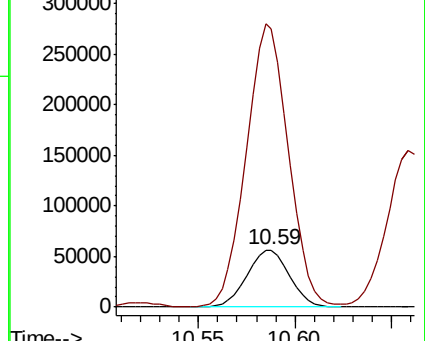
120 100

91 492.0 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 5.025 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028330.D

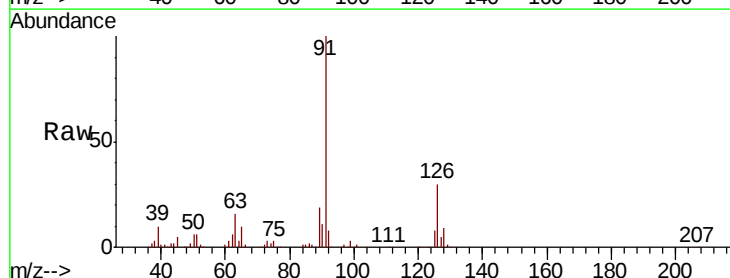
Acq: 26 Nov 2018 11:01

Tgt Ion:126 Resp: 73477

Ion Ratio Lower Upper

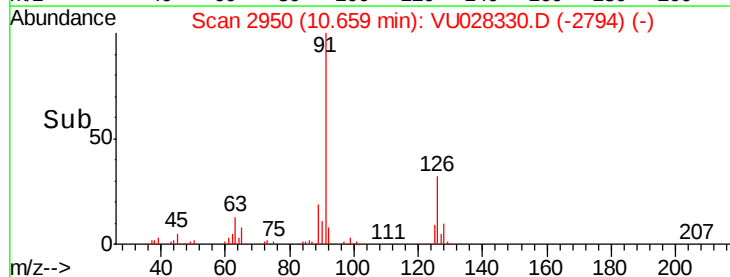
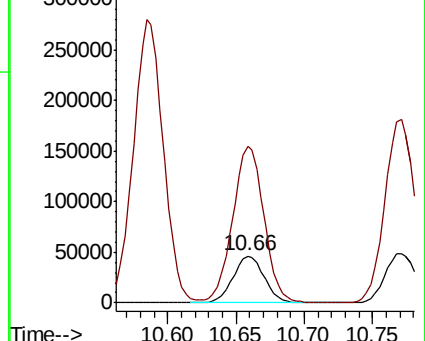
126 100

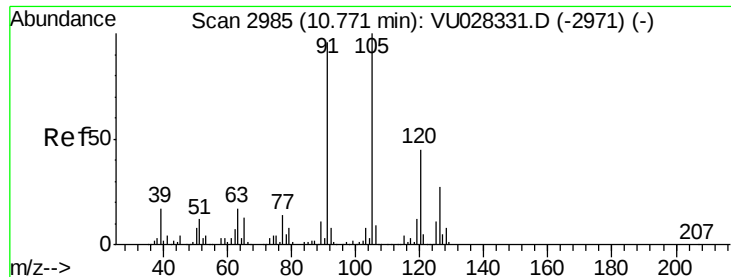
91 332.5 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 5.077 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

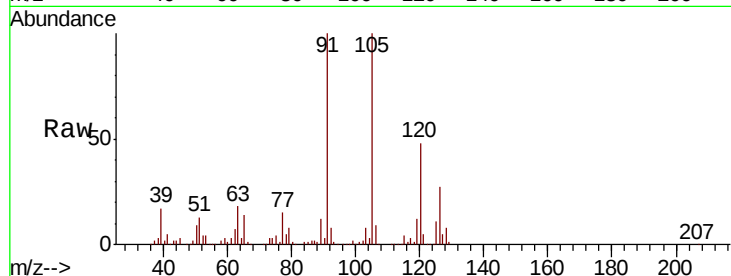
VSTDIC005

Tgt Ion:105 Resp: 274947

Ion Ratio Lower Upper

105 100

120 47.6 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

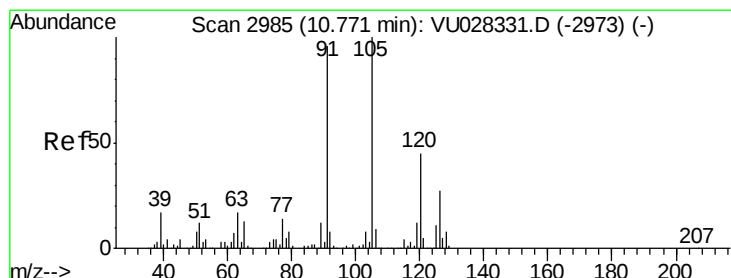
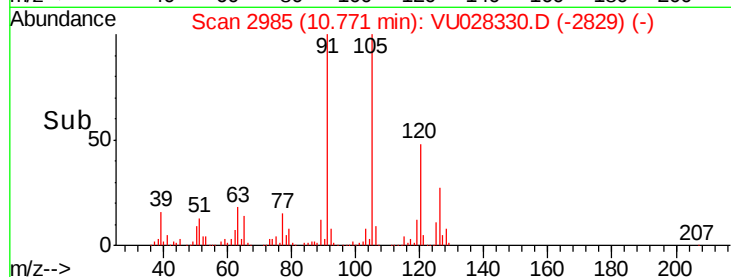
100000

50000

0

10.70 10.75 10.80 10.85

Time-->



#76

4-Chlorotoluene

Concen: 5.195 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028330.D

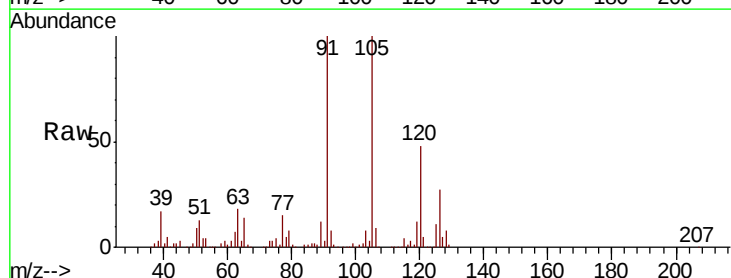
Acq: 26 Nov 2018 11:01

Tgt Ion:126 Resp: 77010

Ion Ratio Lower Upper

126 100

91 366.4 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

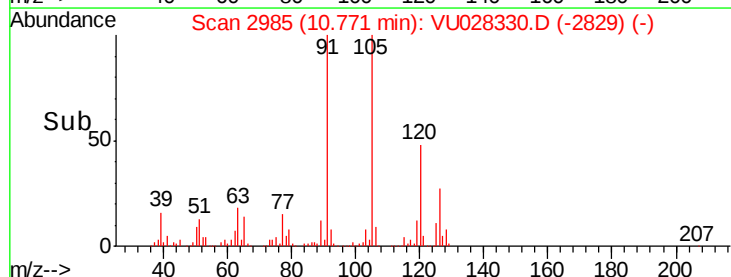
100000

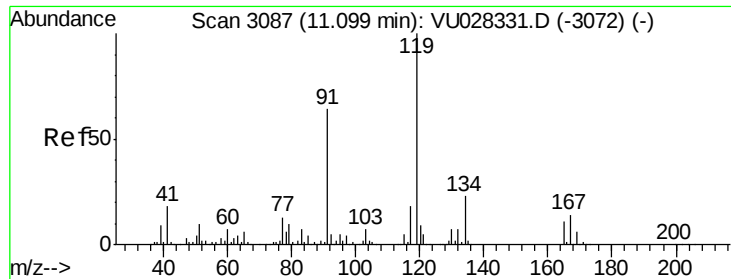
50000

0

10.70 10.75 10.80

Time-->

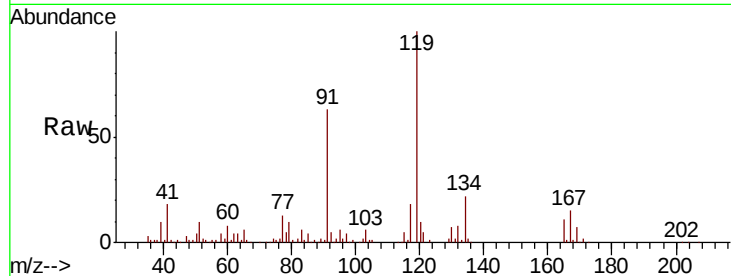




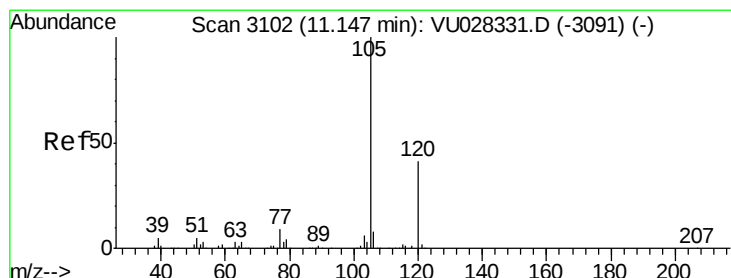
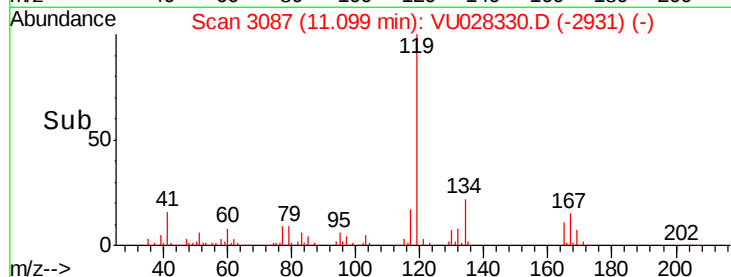
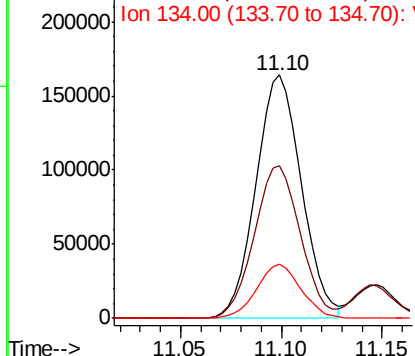
#77
 tert-Butylbenzene
 Concen: 5.085 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 259246
 Ion Ratio Lower Upper
 119 100
 91 63.7 32.0 96.0
 134 21.6 17.9 26.9

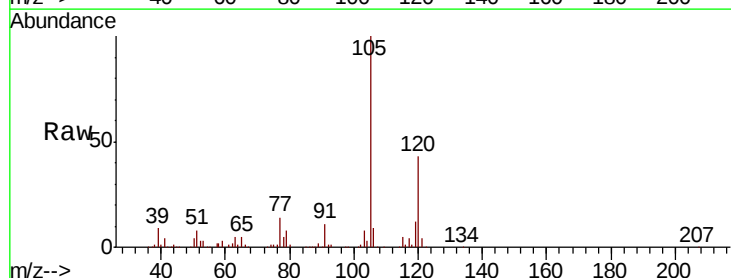


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

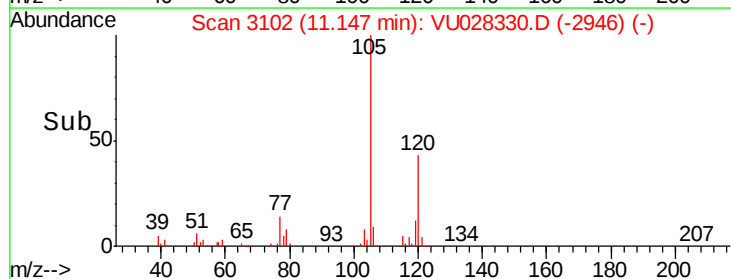
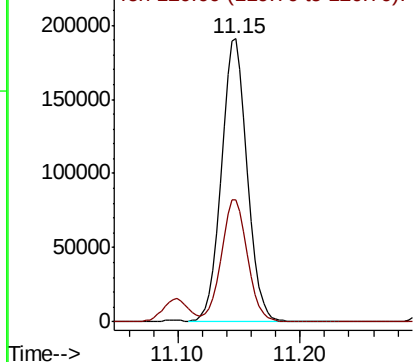


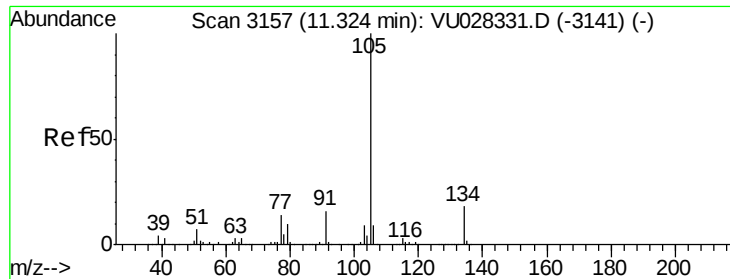
#78
 1,2,4-Trimethylbenzene
 Concen: 5.121 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:105 Resp: 284176
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.8



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

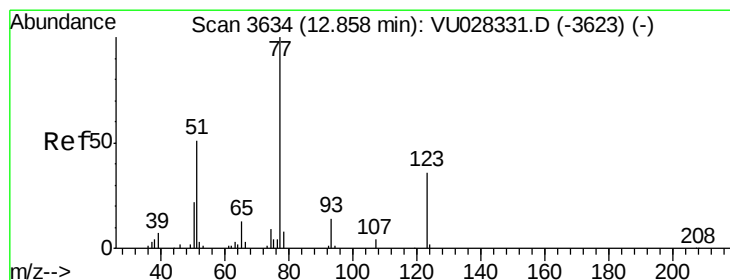
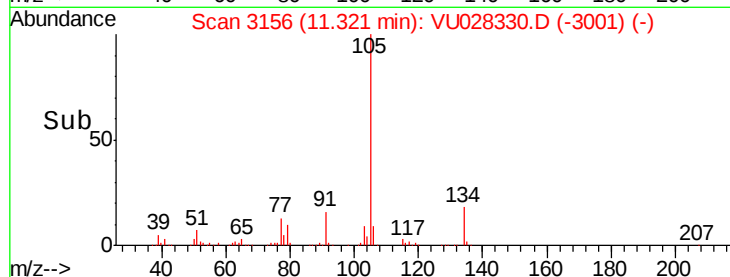
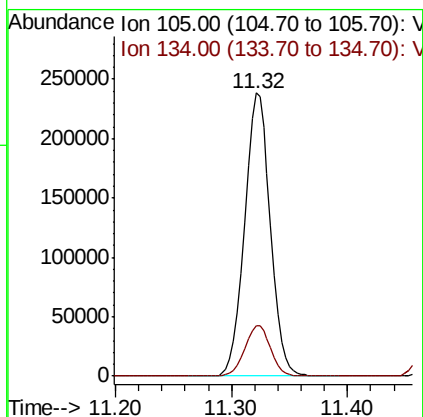
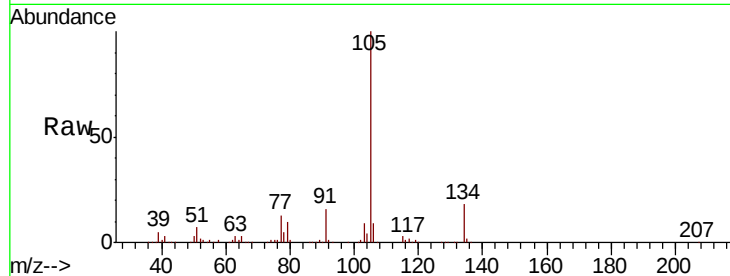




#79
 sec-Butylbenzene
 Concen: 5.155 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

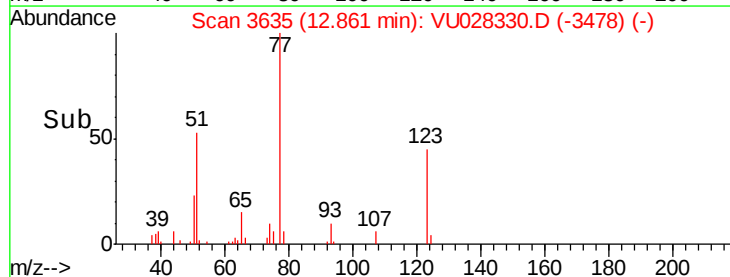
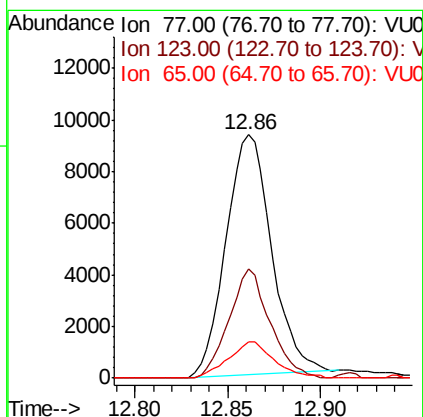
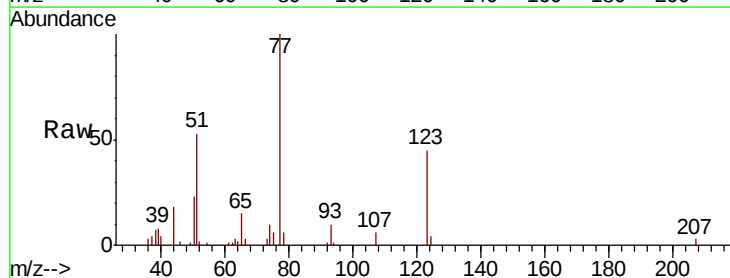
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

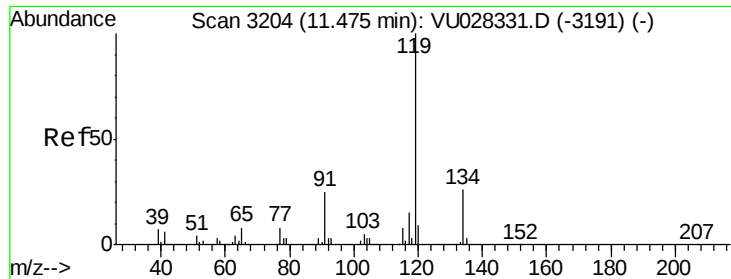
Tgt Ion: 105 Resp: 366421
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 22.0



#80
 Nitrobenzene
 Concen: 23.976 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 77 Resp: 15935
 Ion Ratio Lower Upper
 77 100
 123 40.5 16.5 58.3
 65 15.3 12.1 15.3

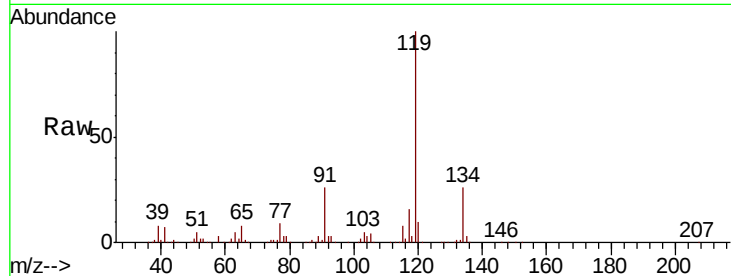




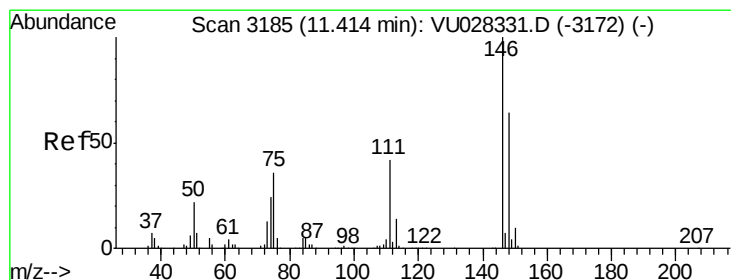
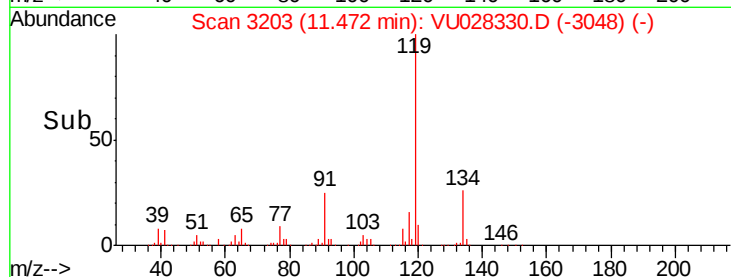
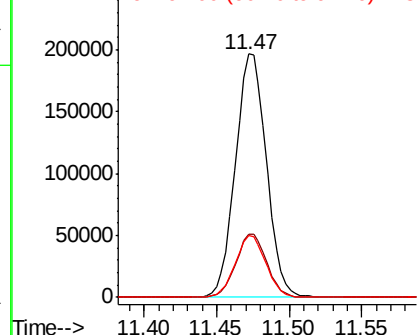
#81
p-Isopropyltoluene
Concen: 5.153 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 291066
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 25.1 20.0 30.0

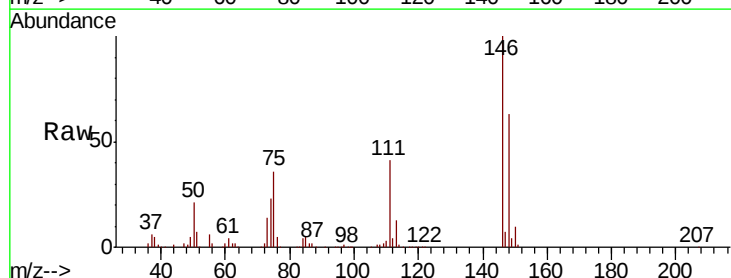


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

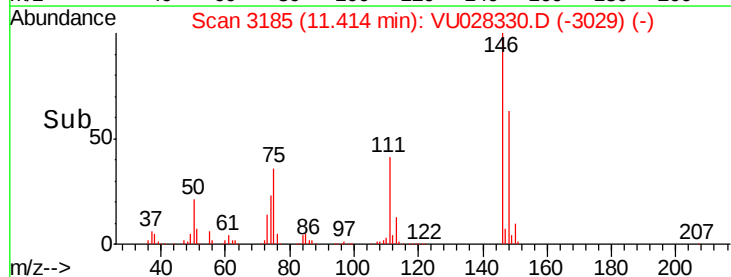
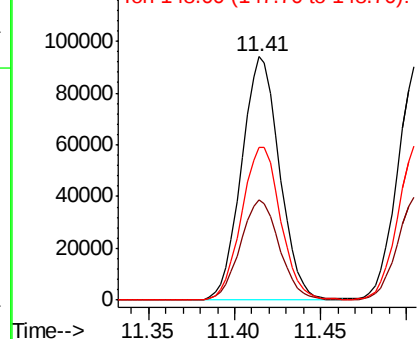


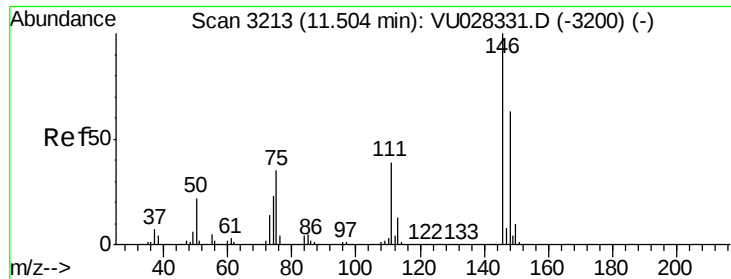
#82
1,3-Dichlorobenzene
Concen: 5.052 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:146 Resp: 144519
Ion Ratio Lower Upper
146 100
111 42.1 33.4 50.2
148 64.6 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

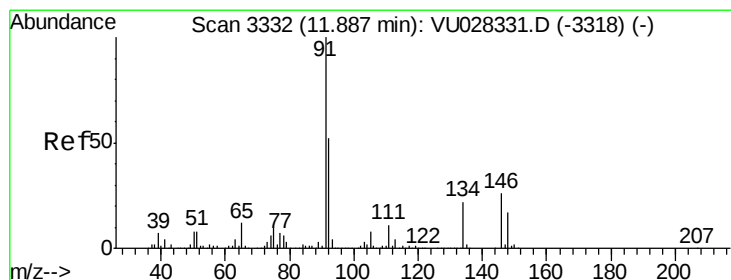
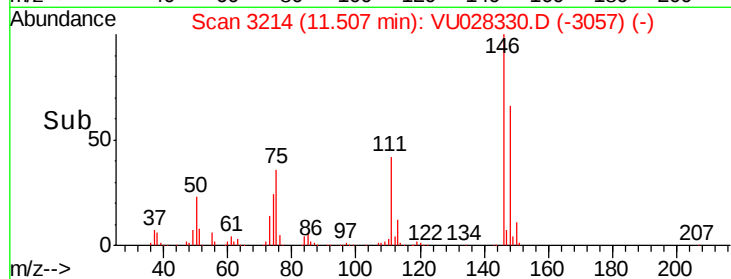
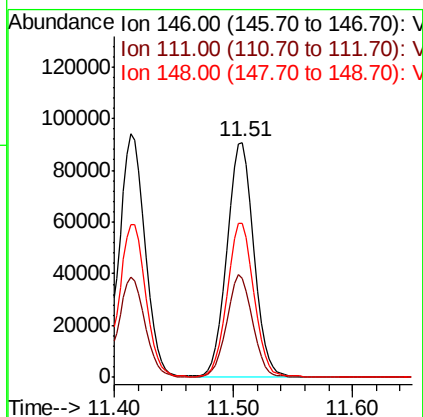
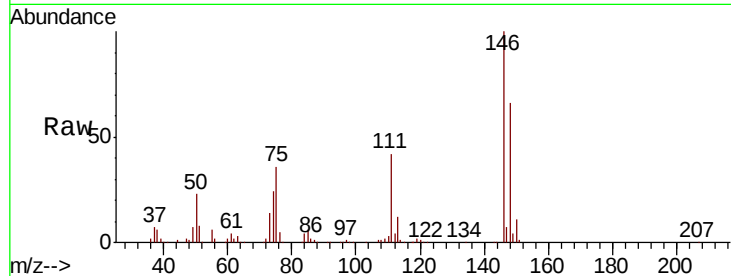




#83
 1,4-Dichlorobenzene
 Concen: 4.990 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

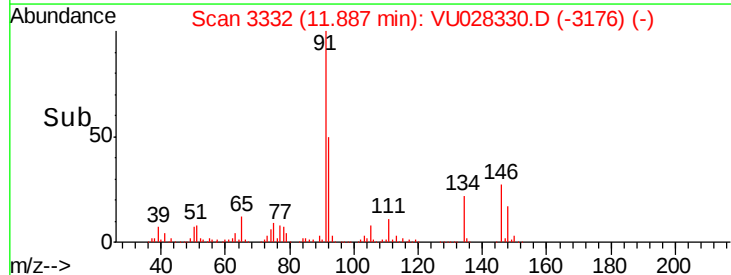
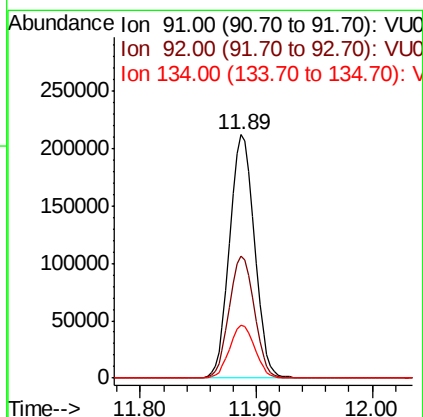
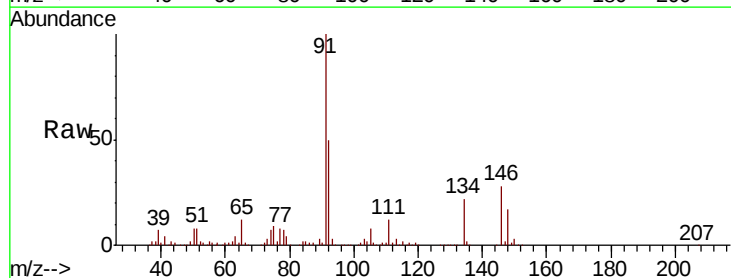
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

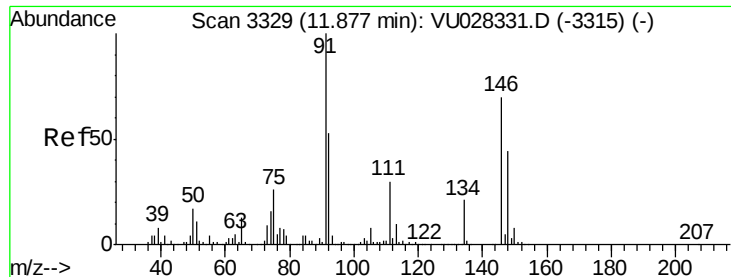
Tgt Ion: 146 Resp: 142083
 Ion Ratio Lower Upper
 146 100
 111 42.0 31.4 47.2
 148 65.8 50.7 76.1



#84
 n-Butylbenzene
 Concen: 5.289 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 91 Resp: 313598
 Ion Ratio Lower Upper
 91 100
 92 50.8 41.6 62.4
 134 21.9 17.8 26.6





#85

1,2-Dichlorobenzene

Concen: 4.965 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

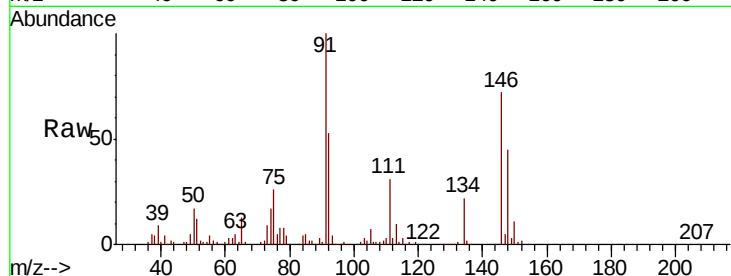
Tgt Ion:146 Resp: 135190

Ion Ratio Lower Upper

146 100

111 42.9 21.4 64.3

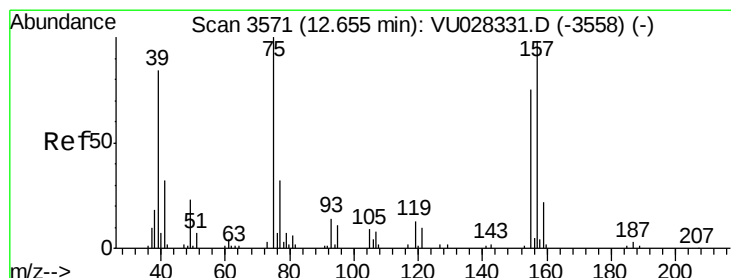
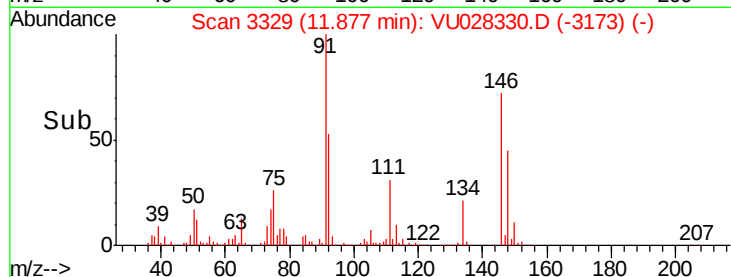
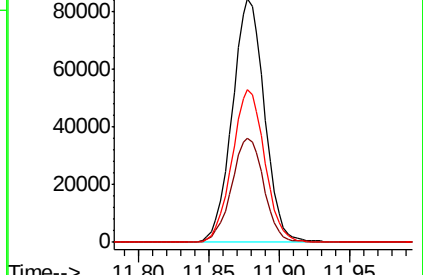
148 63.6 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 4.811 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

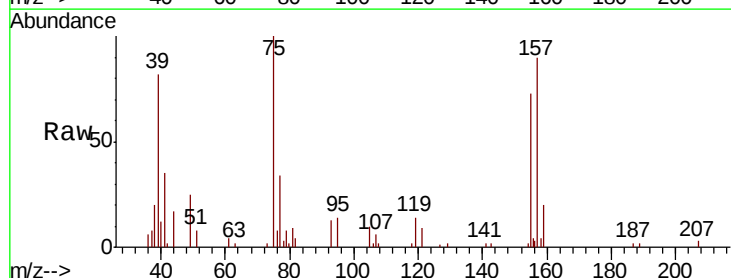
Tgt Ion: 75 Resp: 11418

Ion Ratio Lower Upper

75 100

155 72.3 57.0 85.4

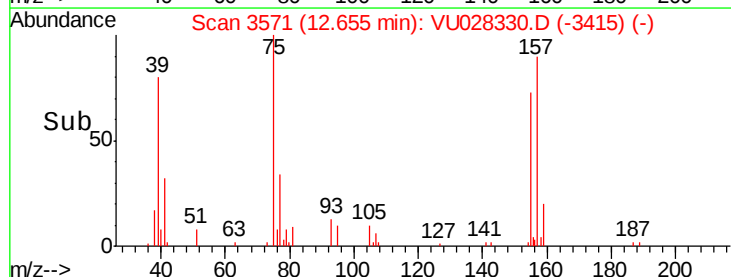
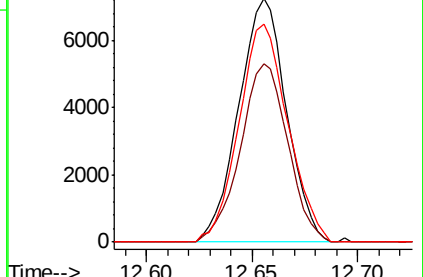
157 91.7 75.4 113.2

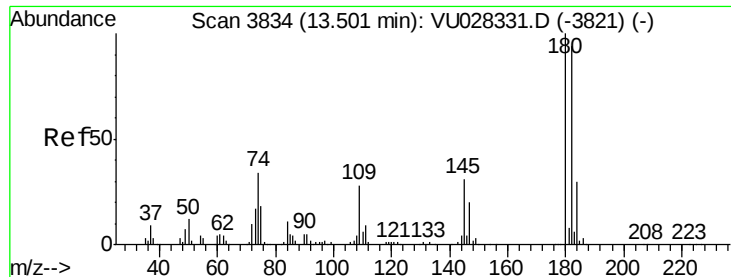


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

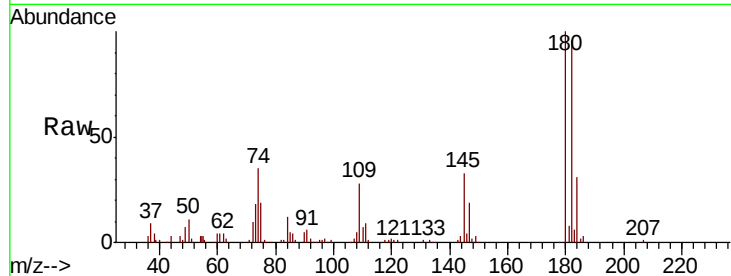




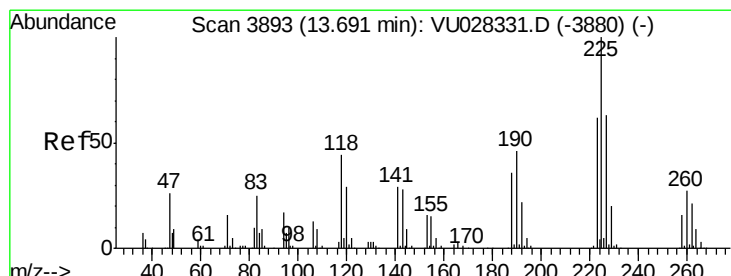
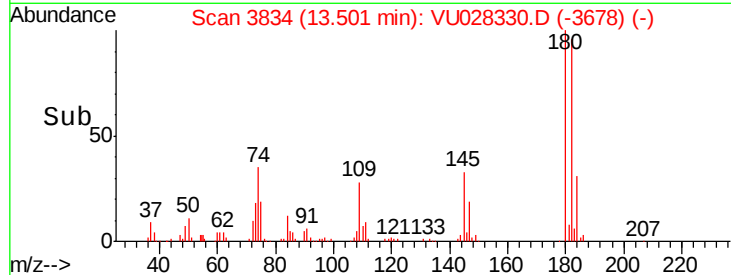
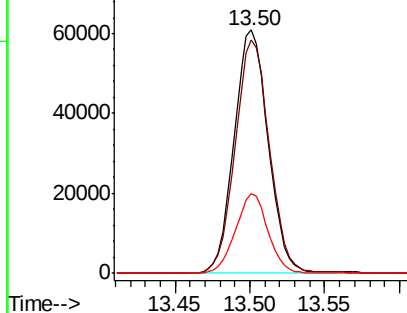
#87
 1,2,4-Trichlorobenzene
 Concen: 5.054 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 96740
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.6 113.4
 145 31.3 24.4 36.6

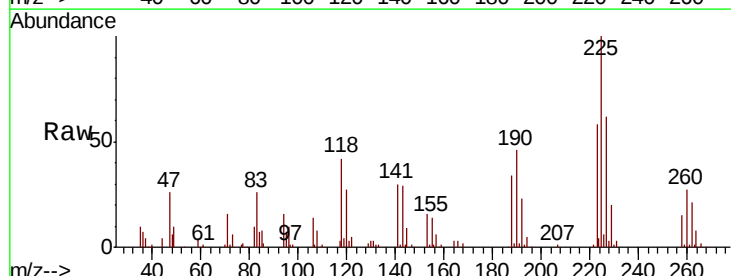


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

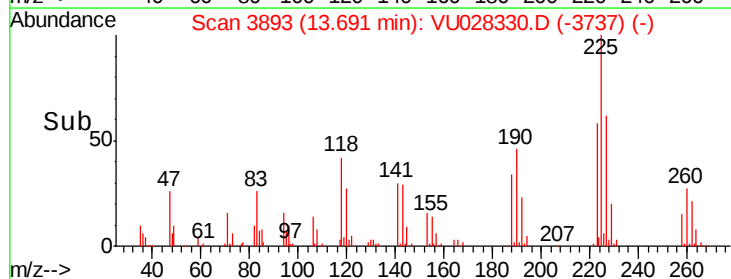
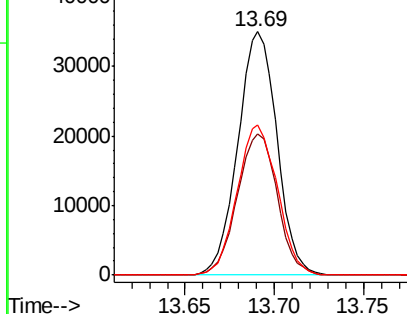


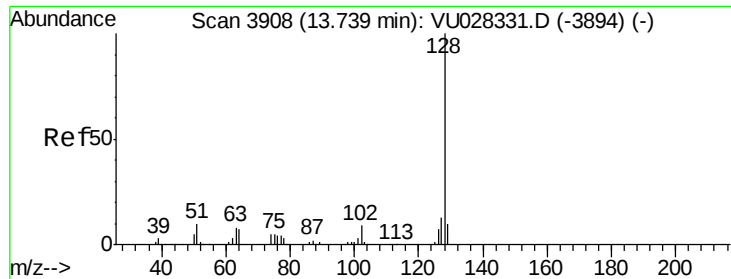
#88
 Hexachlorobutadiene
 Concen: 5.162 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:225 Resp: 53465
 Ion Ratio Lower Upper
 225 100
 223 59.5 50.6 76.0
 227 63.4 50.8 76.2



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: 4.914 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

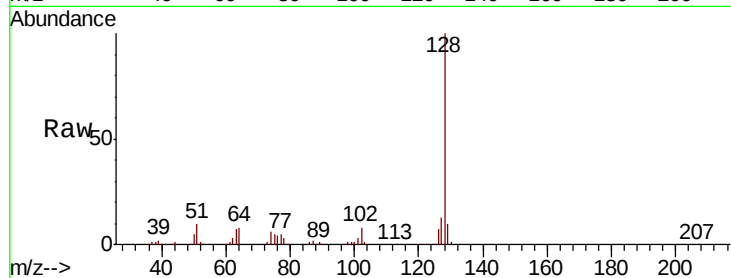
Tgt Ion:128 Resp: 185886

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

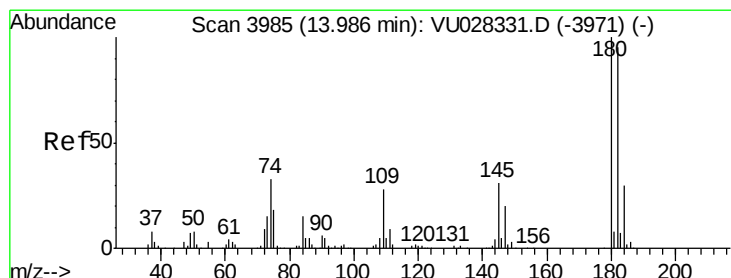
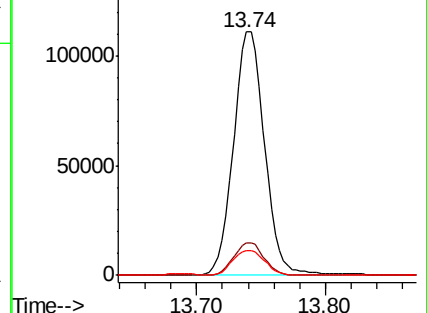
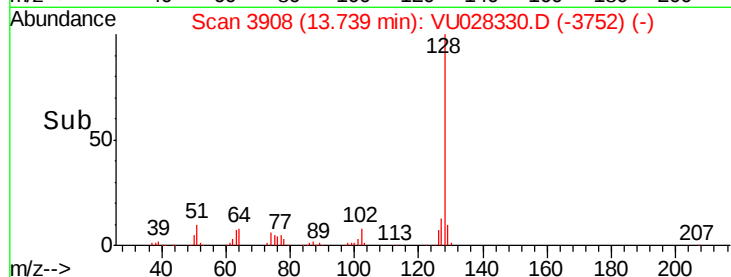
129 10.4 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 5.023 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

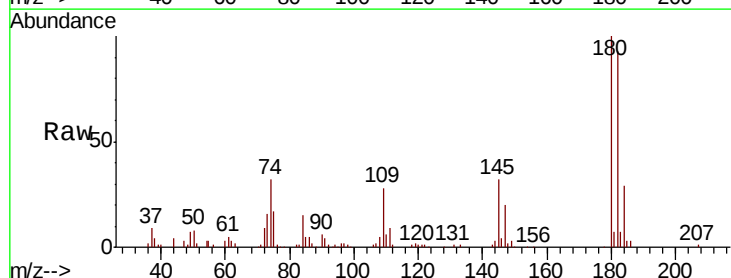
Tgt Ion:180 Resp: 90661

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 31.2 26.0 39.0



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

