

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020819\
 Data File : VU029386.D
 Acq On : 08 Feb 2019 19:58
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53417	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	22199	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24036	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	189566	9.509	ua/l 100
3) Chloromethane	1.33	50	163921	8.998	ua/l 97
4) Vinyl Chloride	1.40	62	208467	9.762	ua/l 99
5) Bromomethane	1.62	94	124907	10.515	ua/l 96
6) Chloroethane	1.70	64	128369	10.289	ua/l 98
7) Trichlorofluoromethane	1.88	101	324055	10.866	ua/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	174162	11.060	ua/l 88
9) 1,1-Dichloroethene	2.28	96	169867	11.023	ua/l 70
10) Iodomethane	2.41	142	244182	10.570	ua/l # 78
11) Allyl Chloride	2.59	41	245619	9.505	ua/l 93
12) Acrylonitrile	2.94	53	69300	20.065	ua/l 96
13) Acetone	2.32	43	140192	42.118	ua/l # 83
14) Carbon Disulfide	2.48	76	559648	10.286	ua/l 99
15) Methylene Chloride	2.70	84	187672	10.044	ua/l # 77
16) trans-1,2-Dichloroethene	2.98	96	191207	11.096	ua/l # 77
17) 1,1-Dichloroethane	3.44	63	336707	12.330	ua/l 96
18) 2-Butanone	4.27	43	178595	48.006	ua/l 98
19) Cyclohexane	4.99	56	195608	7.726	ua/l # 81
20) Methylcyclohexane	6.41	83	266934	10.038	ua/l # 83
21) 2,2-Dichloropropane	4.22	77	233897	9.254	ua/l # 90
22) cis-1,2-Dichloroethene	4.22	96	180160	11.098	ua/l 75
23) Diethyl Ether	2.10	59	126361	10.212	ua/l 87
24) tert-Butyl Alcohol	2.83	59	131280	102.087	ua/l 97
25) Methyl tert-Butyl Ether	3.00	73	459994	10.602	ua/l # 86
26) Bromochloromethane	4.55	128	80566	11.236	ua/l 71
27) Chloroform	4.67	83	286965	10.806	ua/l 97
28) 1,1,1-Trichloroethane	4.91	97	264343	10.739	ua/l 94
29) 1,1-Dichloropropene	5.13	75	221025	10.344	ua/l 91
30) Carbon Tetrachloride	5.13	117	244852	10.988	ua/l 99
31) Isopropyl Ether	3.58	45	396602	9.625	ua/l 89
32) Ethyl-t-butyl ether	4.07	59	406373	9.842	ua/l # 86
33) Tert-Amyl methyl ether	5.58	73	388404	10.403	ua/l 99
34) Propionitrile	4.33	54	51522	52.688	ua/l # 91
35) Benzene	5.39	78	621851	10.524	ua/l 100
36) 1,2-Dichloroethane	5.40	62	178060	9.963	ua/l # 89
37) Trichloroethene	6.18	130	197343	11.638	ua/l 83
38) 1,2-Dichloropropane	6.43	63	156141	10.158	ua/l 100
39) Methacrylonitrile	4.55	41	46309	9.247	ua/l # 86
40) Methyl acrylate	4.42	55	75918	10.043	ua/l # 91
41) Tetrahydrofuran	4.65	42	46333	18.368	ua/l # 80
42) 1-Chlorobutane	5.06	56	283202	9.892	ug/l 86

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

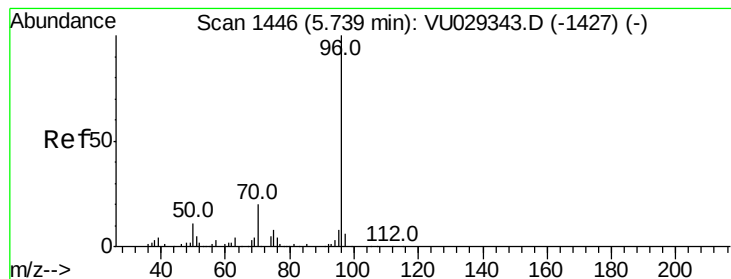
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	86451	10.554	ug/l #	89
44) Bromodichloromethane	6.76	83	217911	10.440	ug/l	94
45) 4-Methyl-2-Pentanone	7.46	43	458015	47.697	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.49	75	90469	19.338	ug/l #	81
47) Methyl methacrylate	6.62	69	156151	21.666	ug/l #	71
48) Ethyl methacrylate	8.02	69	163622	10.582	ug/l	76
49) Toluene	7.63	92	415030	10.976	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	206799	10.107	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	251864	10.362	ug/l #	85
52) 1,1,2-Trichloroethane	8.06	97	119273	10.998	ug/l	98
53) 1,3-Dichloropropane	8.24	76	200644	10.532	ug/l	98
54) 2-Hexanone	8.36	43	321607	47.780	ug/l	86
55) Dibromochloromethane	8.48	129	171902	11.152	ug/l	99
56) 1,2-Dibromoethane	8.58	107	118376	10.639	ug/l	100
58) Tetrachloroethene	8.22	164	189313	11.998	ug/l	93
59) Chlorobenzene	9.12	112	486869	11.430	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	179569	11.409	ug/l	98
61) Pentachloroethane	11.10	117	137418	11.265	ug/l	84
62) Hexachloroethane	12.14	117	147778	11.099	ug/l	91
63) Ethyl Benzene	9.25	91	807828	10.921	ug/l	93
64) m/p-Xylenes	9.37	106	655244	22.793	ug/l	85
65) o-Xylene	9.78	106	318466	11.286	ug/l	87
66) Styrene	9.79	104	536288	11.401	ug/l	92
67) Bromoform	9.96	173	107891	11.251	ug/l	99
69) Isopropylbenzene	10.16	105	846693	11.231	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	148767	10.703	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	90469	9.478	ug/l #	76
72) Bromobenzene	10.45	156	224365	12.278	ug/l	81
73) n-propylbenzene	10.58	120	242889	11.567	ug/l	78
74) 2-Chlorotoluene	10.66	126	207180	11.587	ug/l	75
75) 1,3,5-Trimethylbenzene	10.77	105	717183	11.034	ug/l	94
76) 4-Chlorotoluene	10.77	126	218384	11.768	ug/l	73
77) tert-Butylbenzene	11.10	119	733660	11.419	ug/l	90
78) 1,2,4-Trimethylbenzene	11.14	105	736712	11.196	ug/l	95
79) sec-Butylbenzene	11.32	105	942357	11.210	ug/l	94
80) Nitrobenzene	12.86	77	24216	39.103	ug/l #	91
81) p-Isopropyltoluene	11.47	119	814771	11.434	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	430391	12.005	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	429134	12.019	ug/l	96
84) n-Butylbenzene	11.89	91	723172	11.059	ug/l #	95
85) 1,2-Dichlorobenzene	11.88	146	406287	11.986	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	25624	9.878	ug/l #	55
87) 1,2,4-Trichlorobenzene	13.50	180	308346	12.950	ug/l	98
88) Hexachlorobutadiene	13.69	225	175056	12.695	ug/l	99
89) Naphthalene	13.74	128	497088	12.310	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	272369	12.517	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

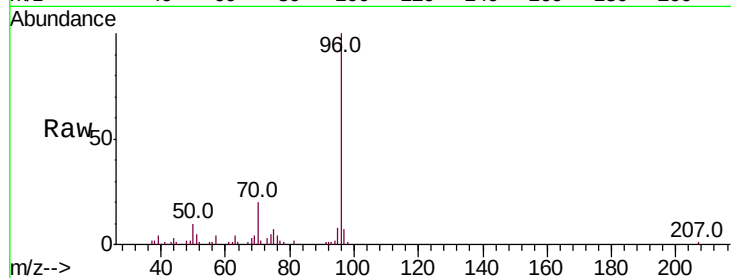
Delta R.T. -0.00 min

Lab File: VU029386.D

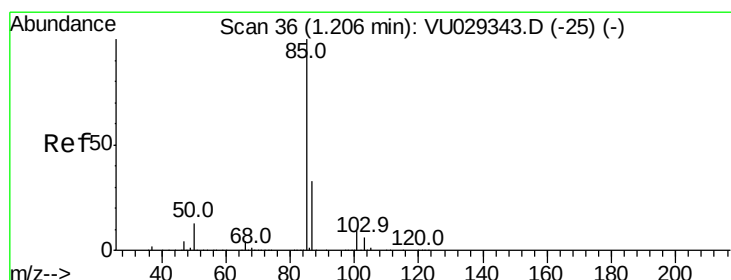
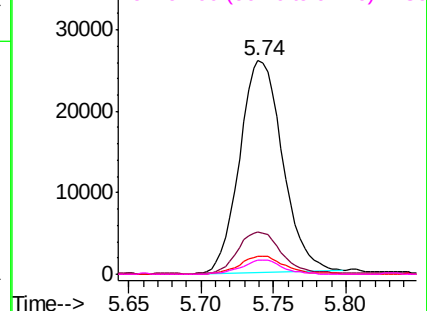
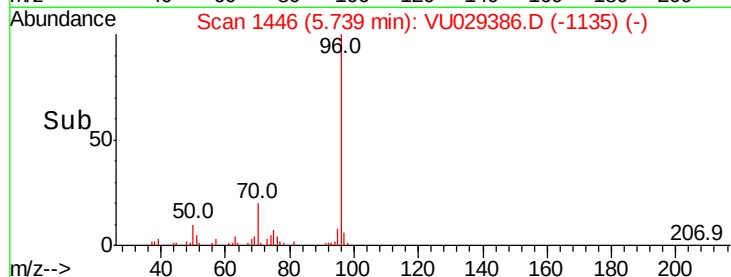
Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	53417
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.2	24.2
95	9.0	7.4	11.2
97	0.0	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: 9.509 ug/l

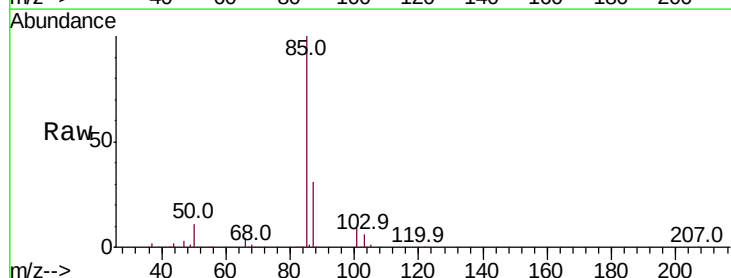
RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

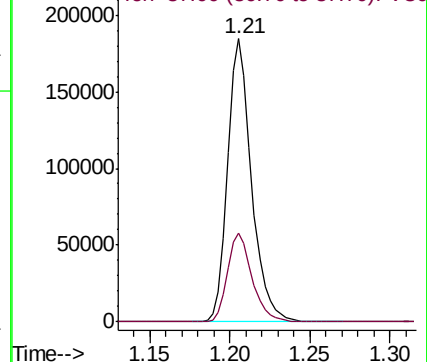
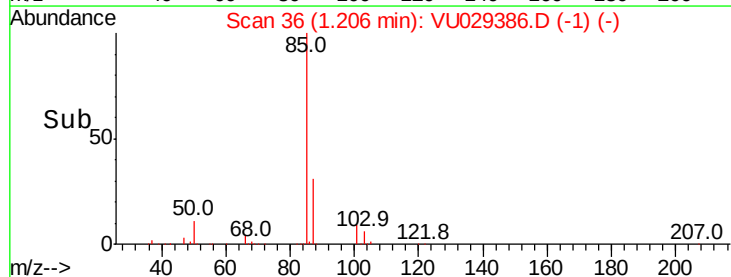
Lab File: VU029386.D

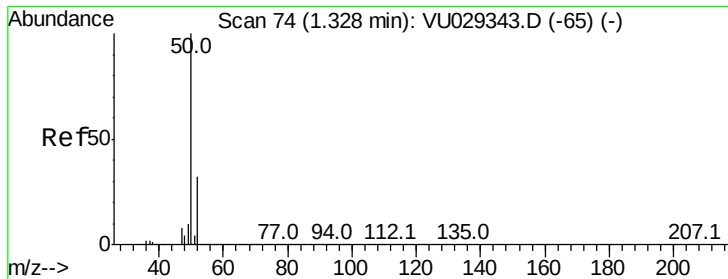
Acq: 08 Feb 2019 19:58

Tgt Ion:	85	Resp:	189566
Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.9	47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 8.998 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

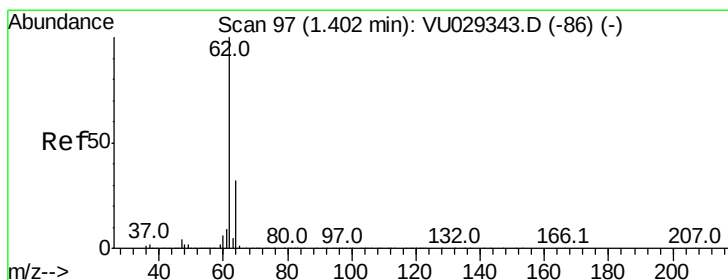
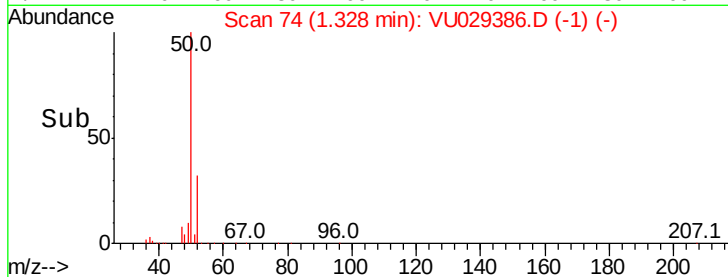
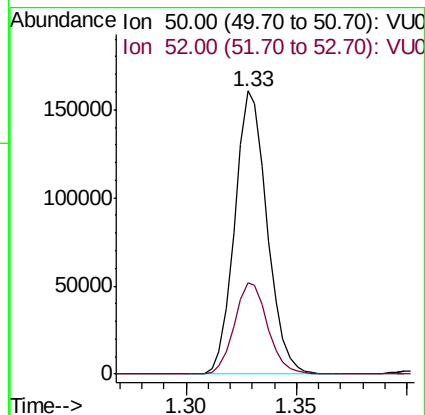
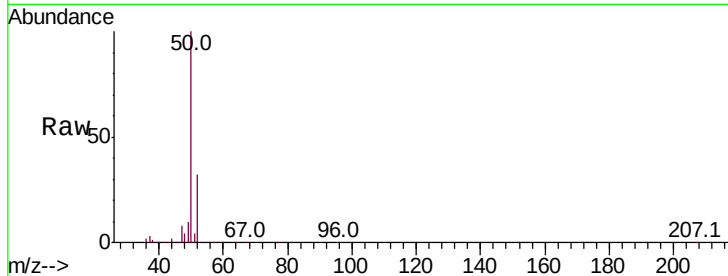
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 163921

Ion Ratio Lower Upper

50 100

52 32.4 27.3 40.9



#4

Vinyl Chloride

Concen: 9.762 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029386.D

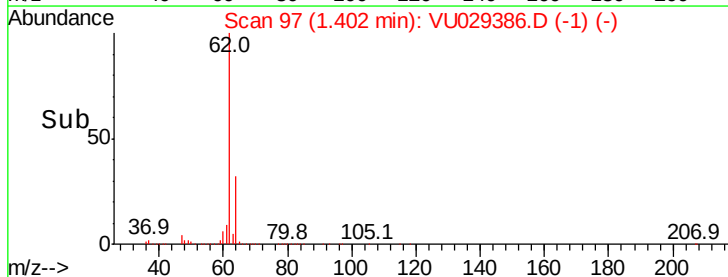
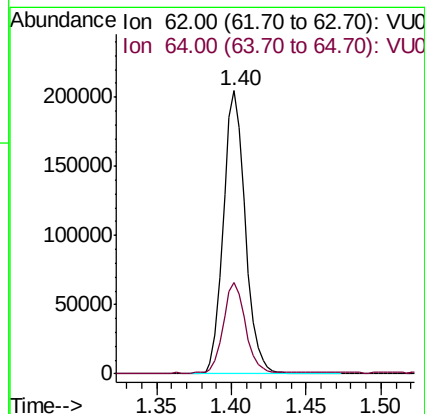
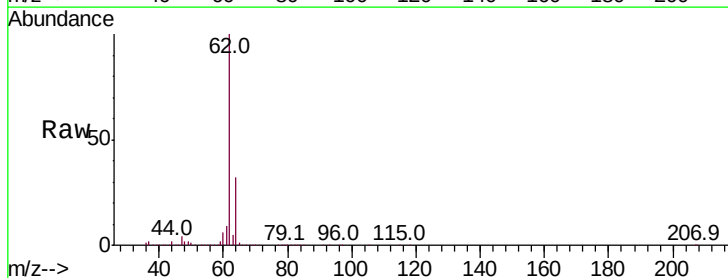
Acq: 08 Feb 2019 19:58

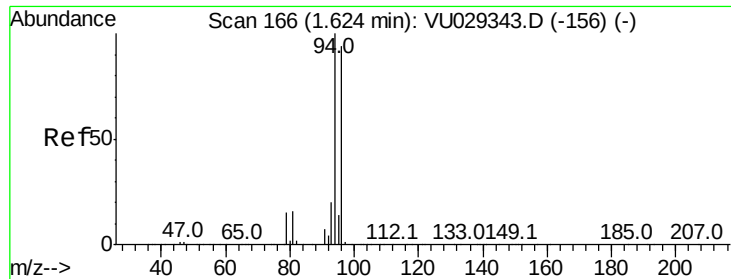
Tgt Ion: 62 Resp: 208467

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 10.515 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

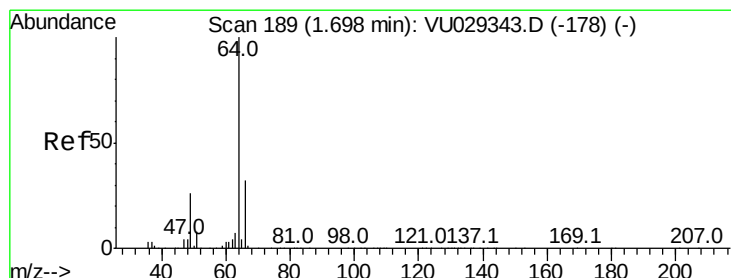
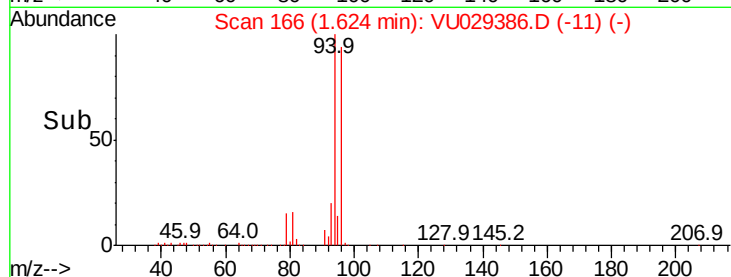
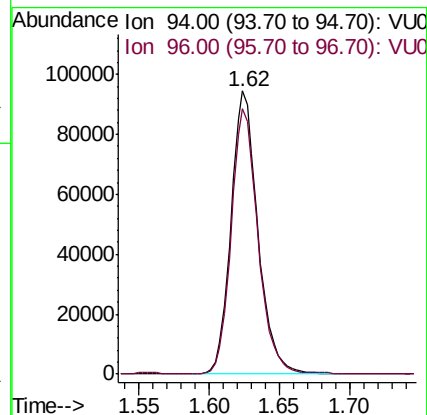
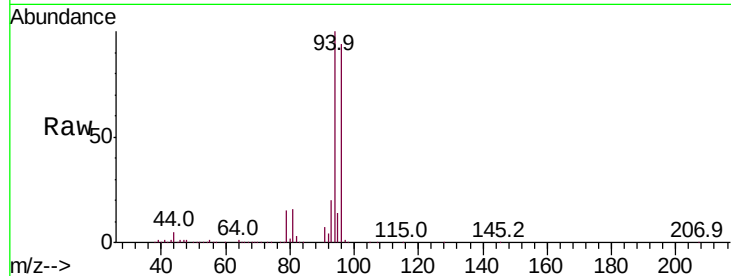
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 124907

Ion Ratio Lower Upper

94 100

96 93.7 71.7 107.5



#6

Chloroethane

Concen: 10.289 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029386.D

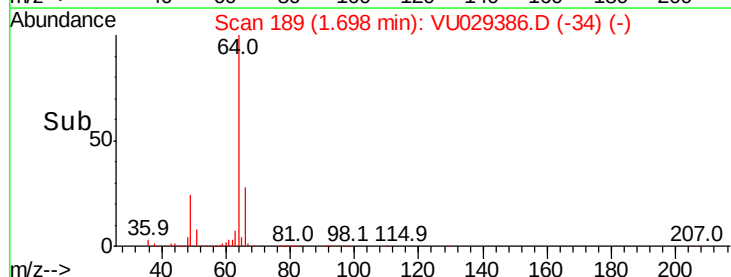
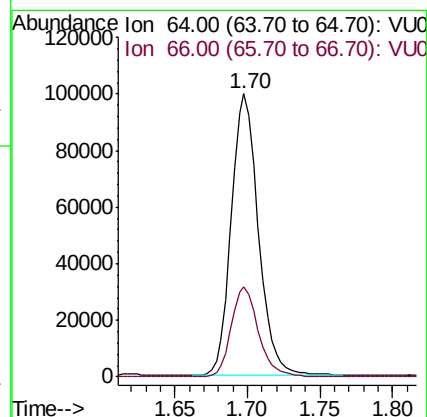
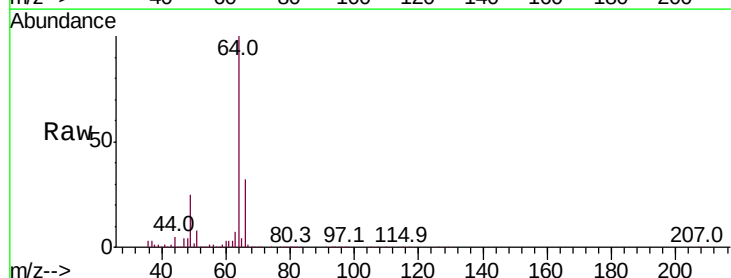
Acq: 08 Feb 2019 19:58

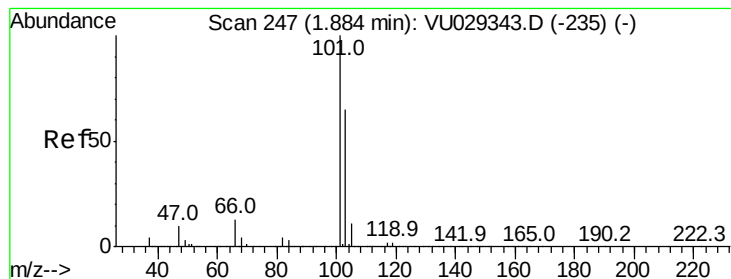
Tgt Ion: 64 Resp: 128369

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5



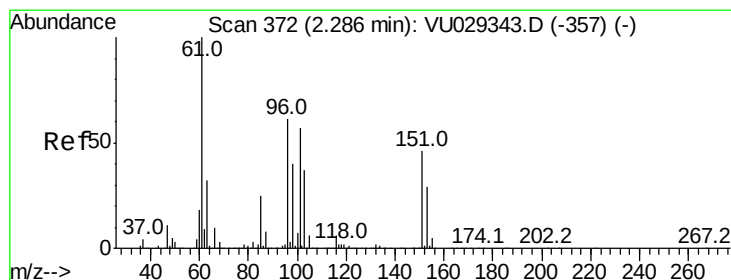
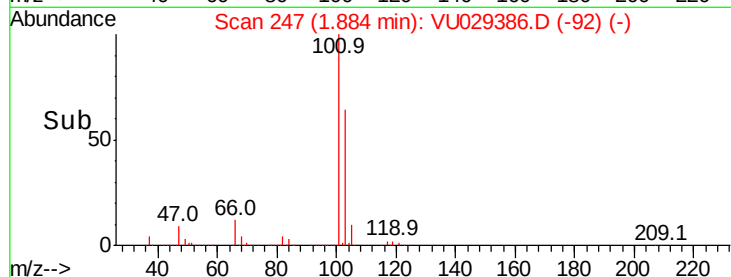
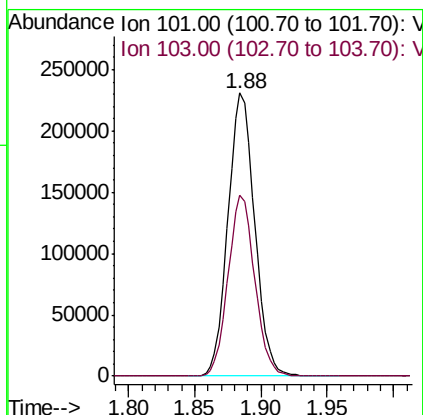
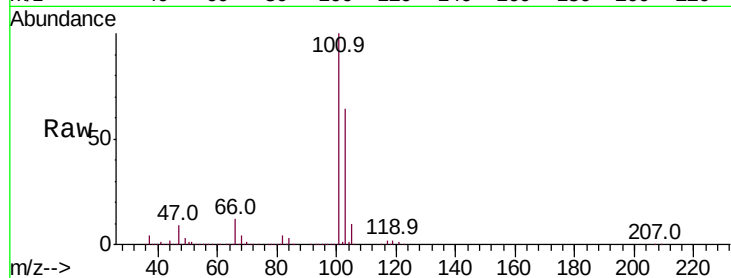


#7

Trichlorofluoromethane
 Concen: 10.866 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Instrument :
 MSVOA_U
 ClientSampled :

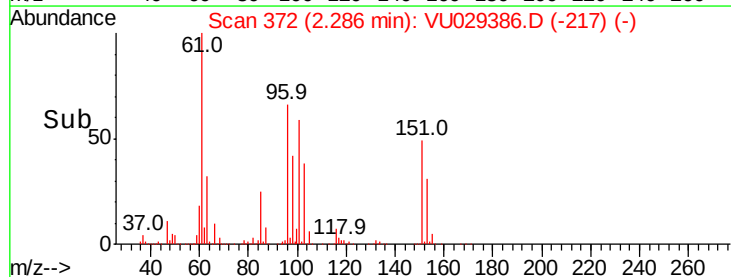
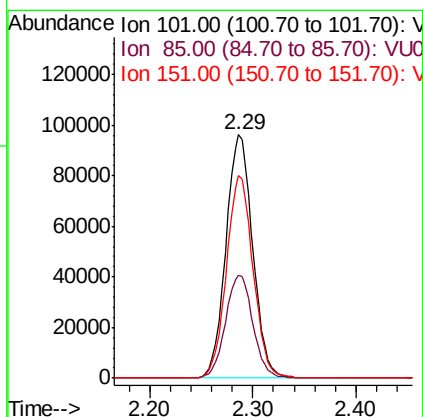
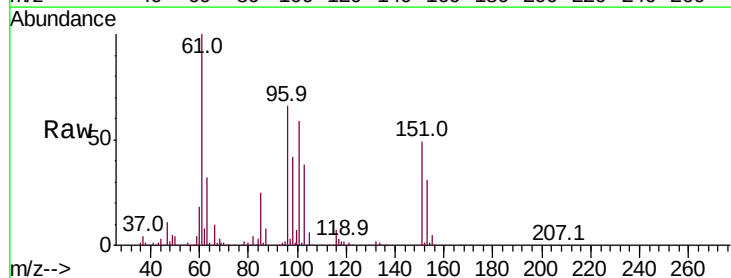
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.9	80.9

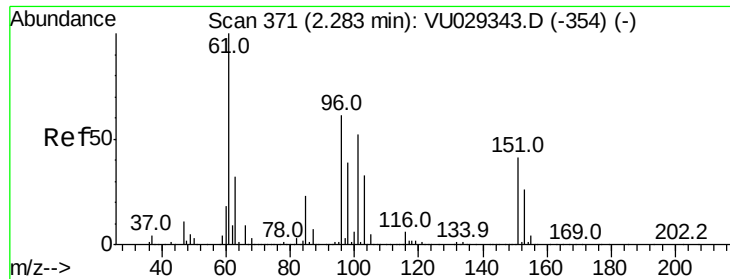


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 11.060 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.7	40.3	60.5
151	82.6	58.1	87.1





#9

1,1-Dichloroethene

Concen: 11.023 ug/l

RT: 2.28 min Scan# 371

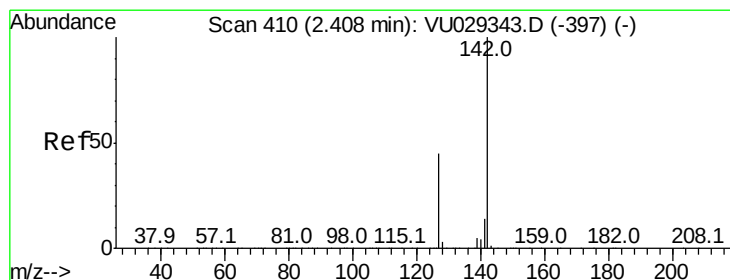
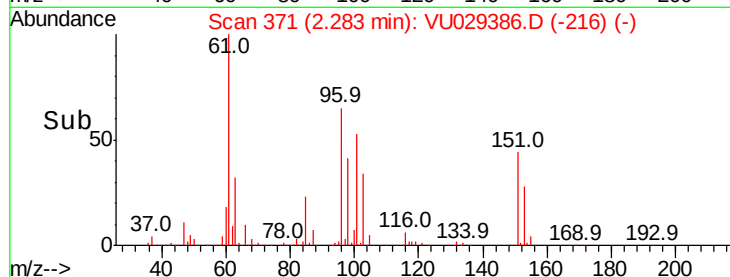
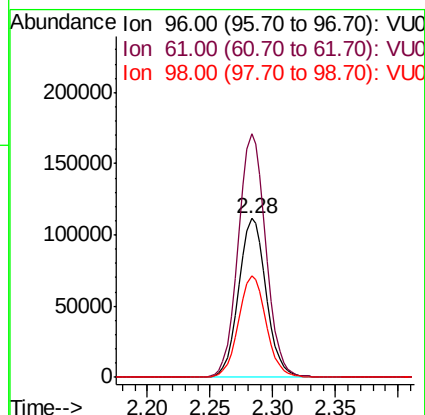
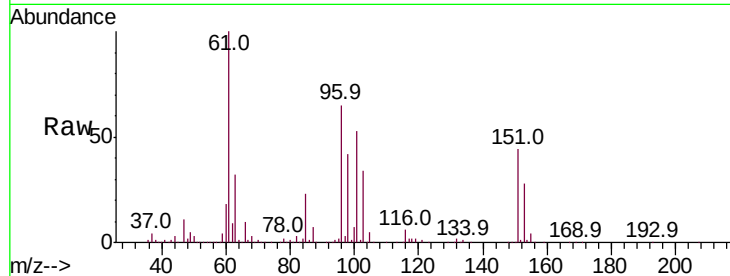
Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	169867
Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	641.4
98	63.8	0.0	122.6



#10

Iodomethane

Concen: 10.570 ug/l

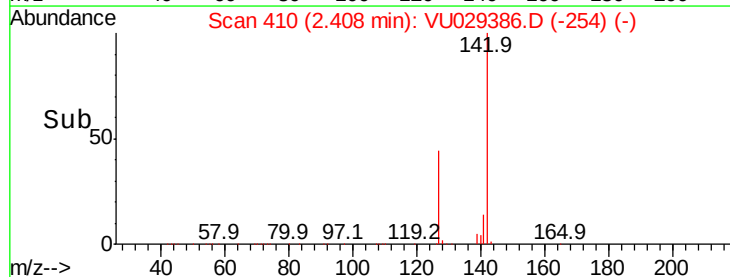
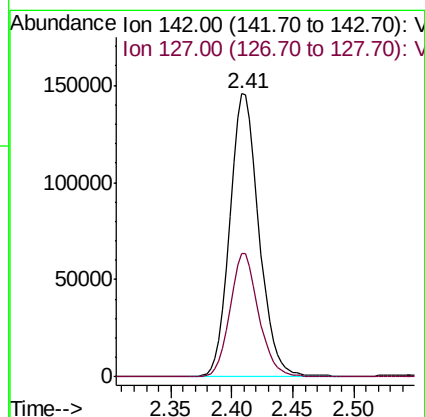
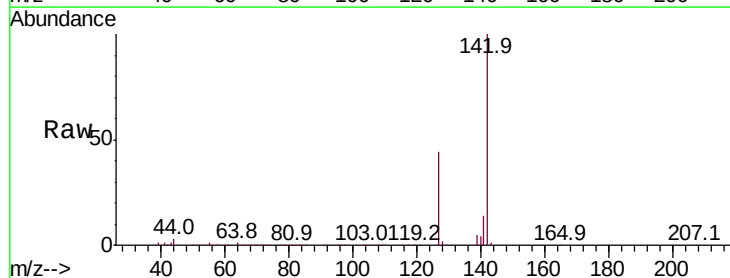
RT: 2.41 min Scan# 410

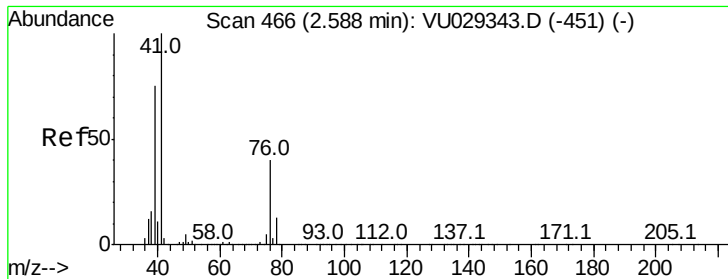
Delta R.T. 0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Tgt Ion:	142	Resp:	244182
Ion	Ratio	Lower	Upper
142	100		
127	43.1	47.6	71.4#

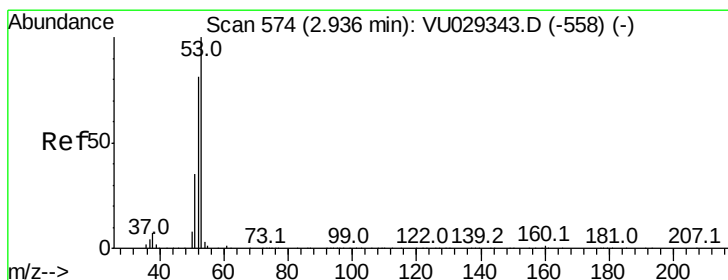
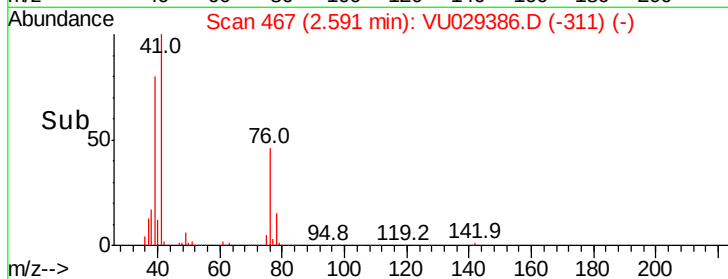
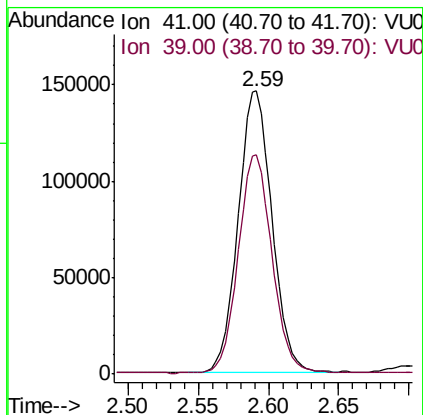
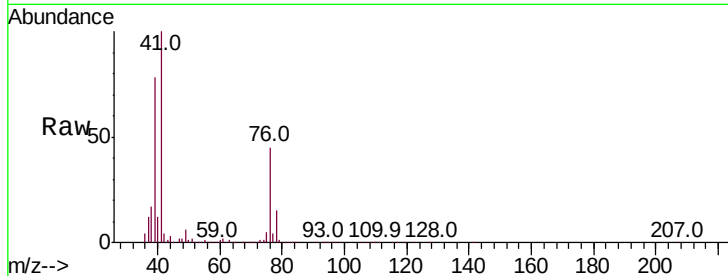




#11
Allvl Chloride
Concen: 9.505 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

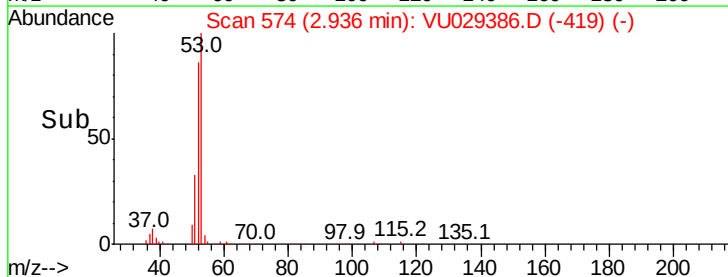
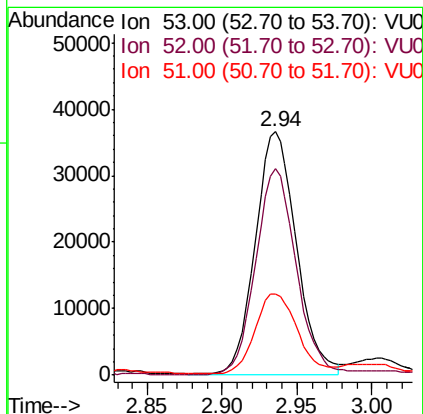
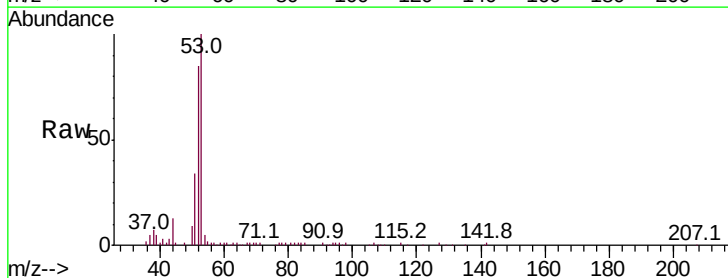
Instrument :
MSVOA_U
ClientSampleId :

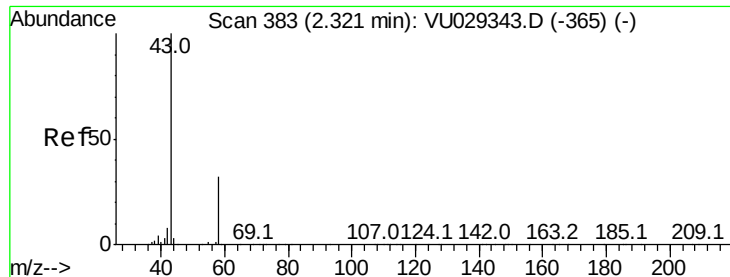
Tot Ion: 41 Resp: 245619
Ion Ratio Lower Upper
41 100
39 77.3 67.2 100.8



#12
Acrylonitrile
Concen: 20.065 ug/l
RT: 2.94 min Scan# 574
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 53 Resp: 69300
Ion Ratio Lower Upper
53 100
52 87.4 67.6 101.4
51 34.5 31.0 46.4





#13

Acetone

Concen: 42.118 ug/l

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

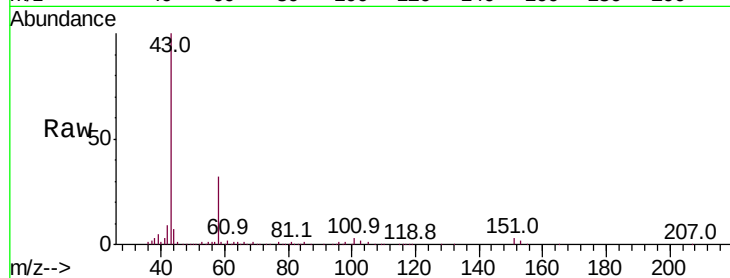
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 140192

Ion Ratio Lower Upper

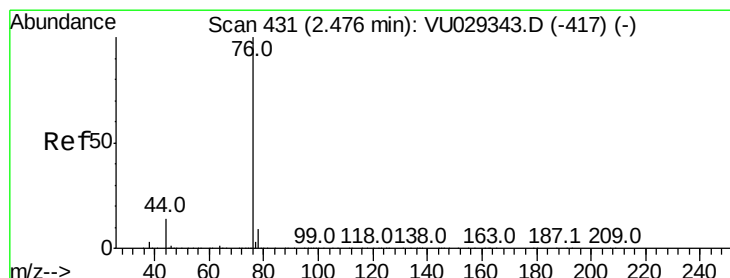
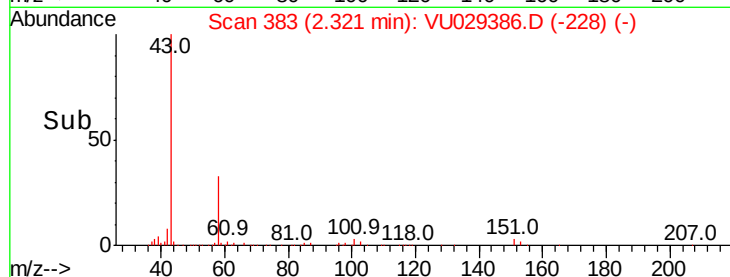
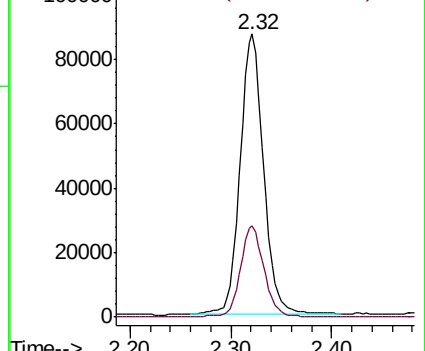
43 100

58 32.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.286 ug/l

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029386.D

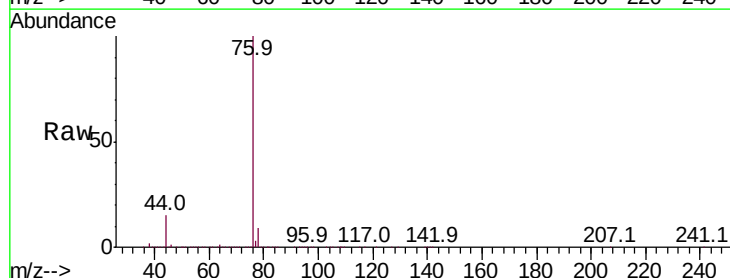
Acq: 08 Feb 2019 19:58

Tgt Ion: 76 Resp: 559648

Ion Ratio Lower Upper

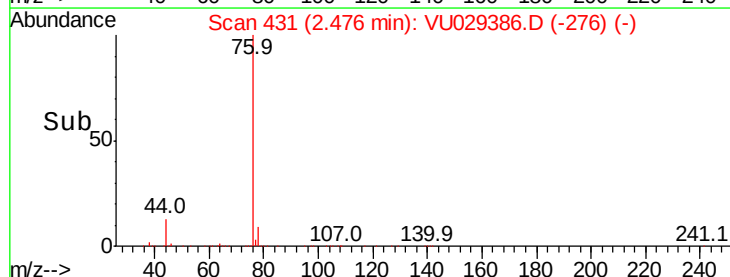
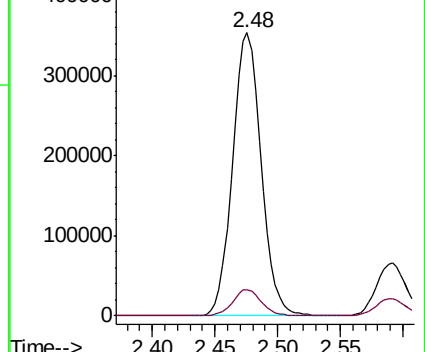
76 100

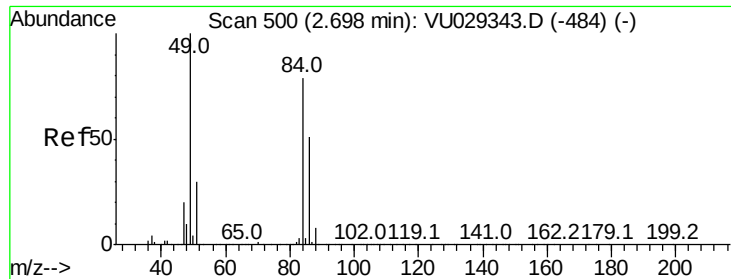
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

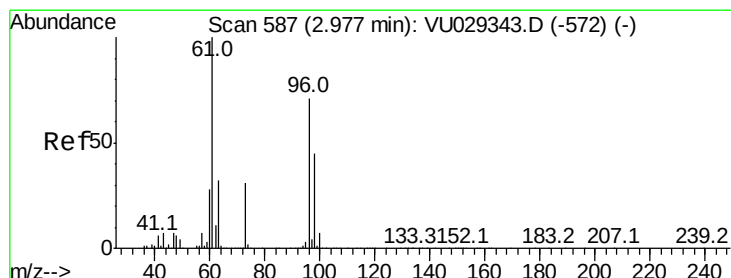
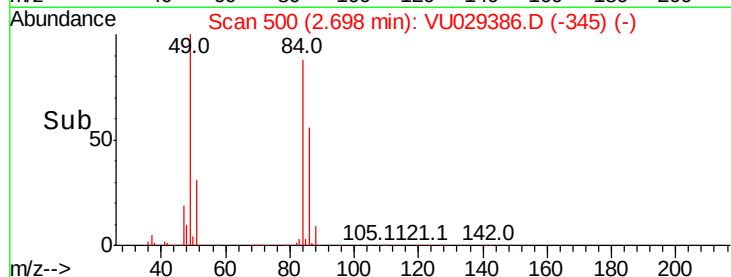
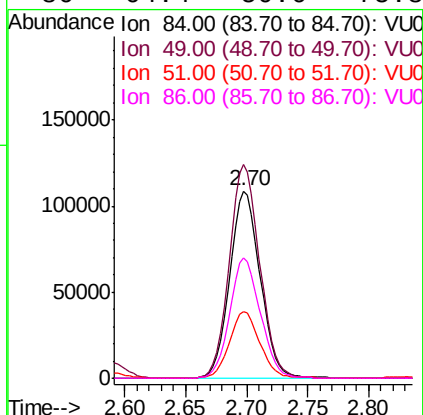
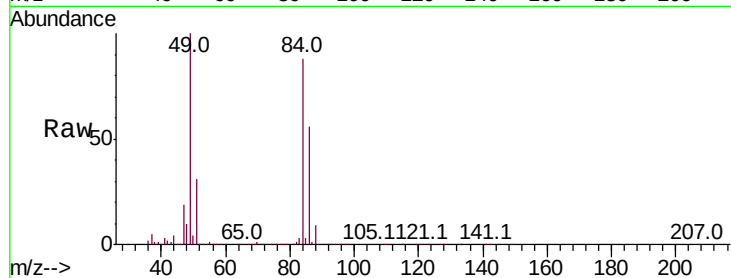




#15
Methylene Chloride
Concen: 10.044 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

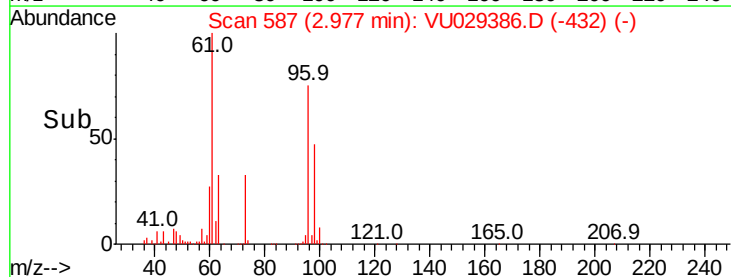
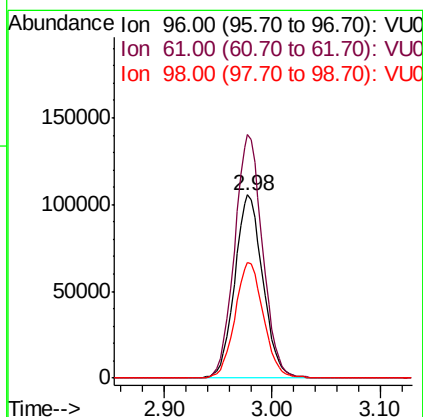
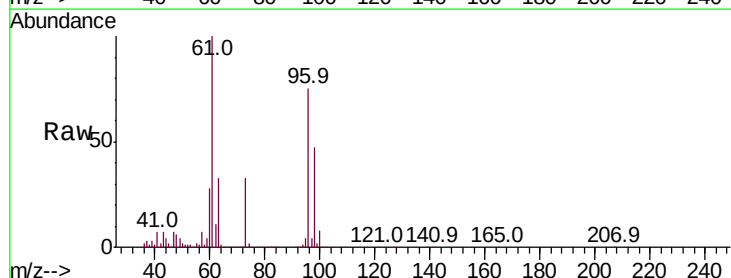
Instrument :
MSVOA_U
ClientSampleId :

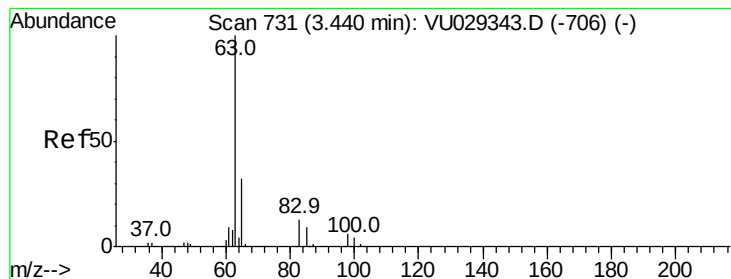
Tot Ion: 84 Resp: 187672
Ion Ratio Lower Upper
84 100
49 114.2 127.0 190.6#
51 35.7 0.0 93.4
86 64.4 50.6 75.8



#16
trans-1,2-Dichloroethene
Concen: 11.096 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 96 Resp: 191207
Ion Ratio Lower Upper
96 100
61 133.2 140.6 210.8#
98 63.0 49.3 73.9





#17

1,1-Dichloroethane

Concen: 12.330 ug/l

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

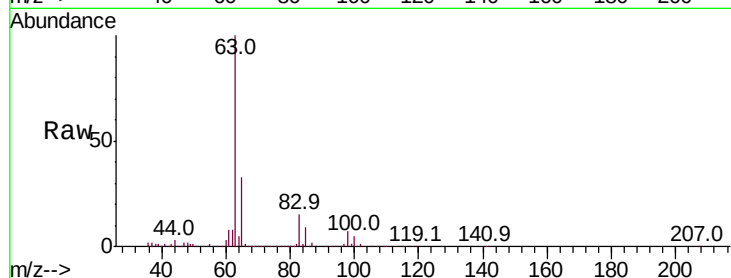
Tot Ion: 63 Resp: 336707

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

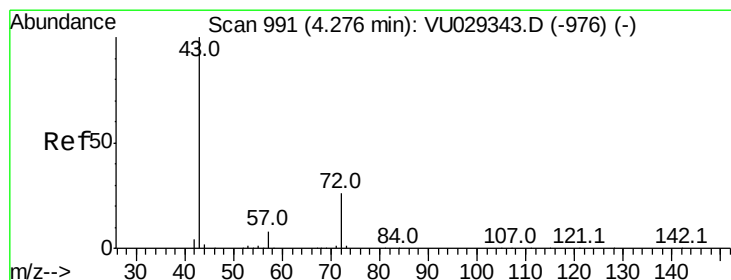
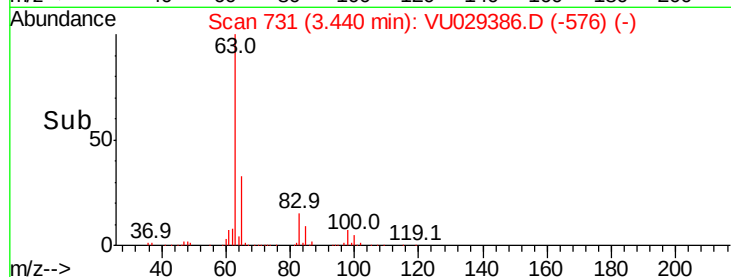
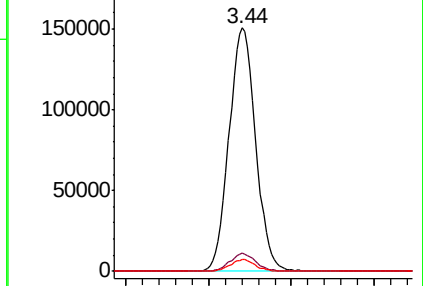
100 4.8 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-706) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU029343.D (-706) (-)



#18

2-Butanone

Concen: 48.006 ug/l

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU029386.D

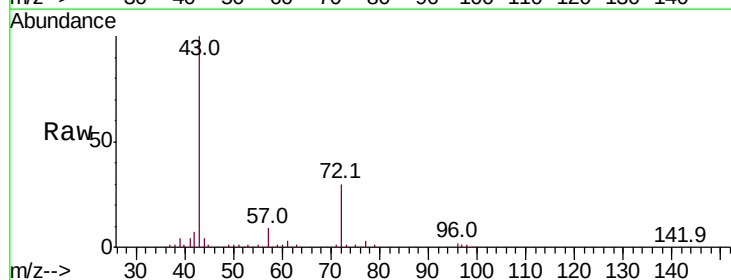
Acq: 08 Feb 2019 19:58

Tgt Ion: 43 Resp: 178595

Ion Ratio Lower Upper

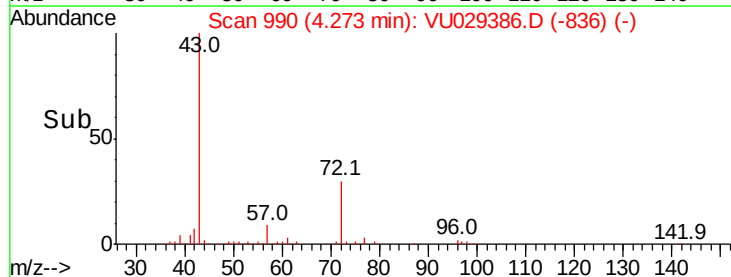
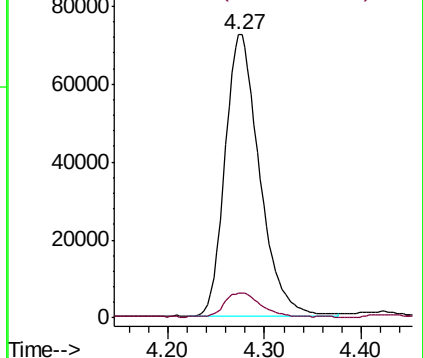
43 100

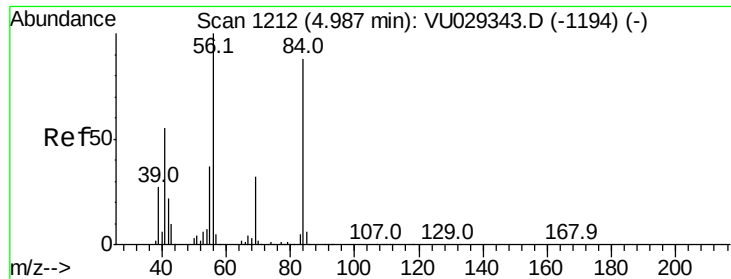
57 8.5 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU029343.D (-976) (-)

Ion 57.00 (56.70 to 57.70): VU029343.D (-976) (-)

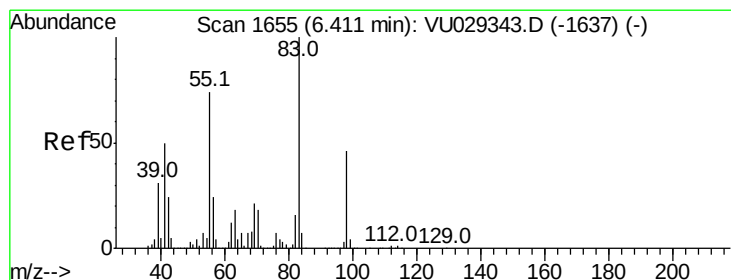
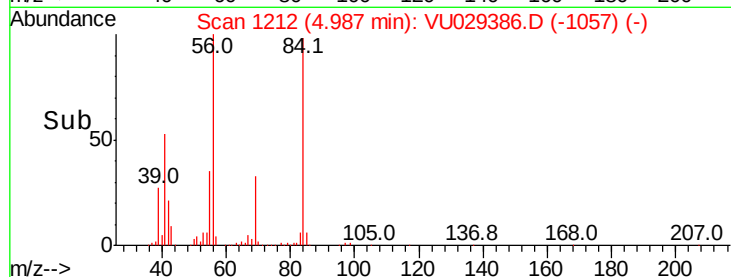
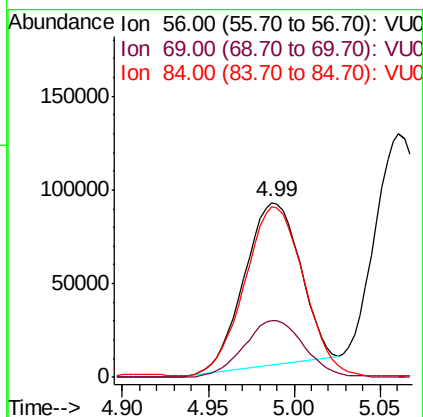
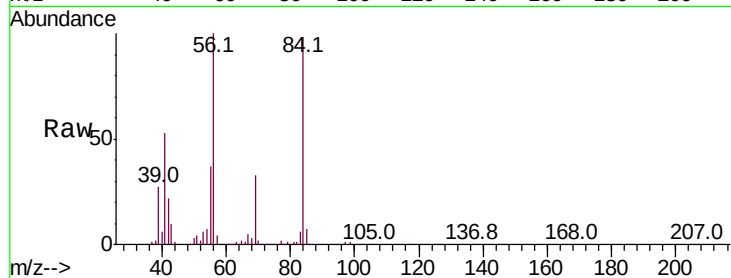




#19
Cyclohexane
Concen: 7.726 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

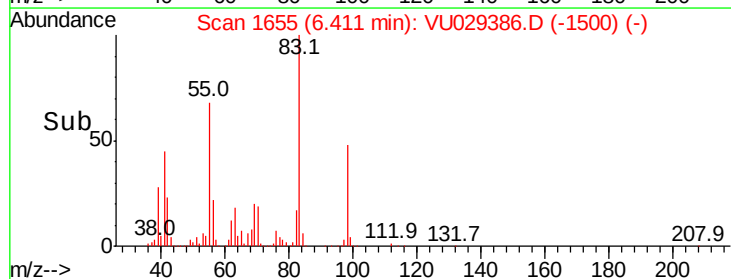
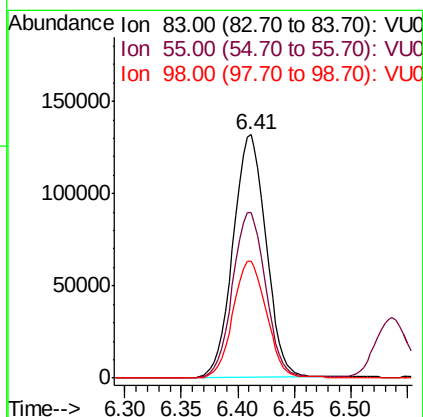
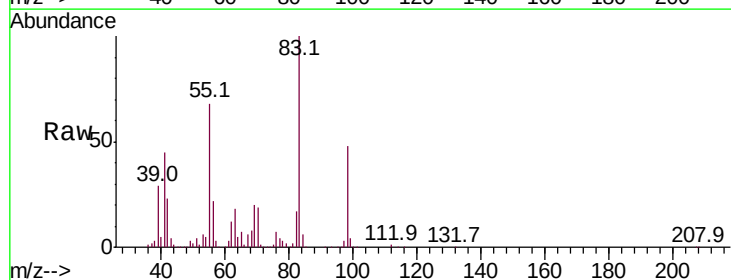
Instrument :
MSVOA_U
ClientSampleId :

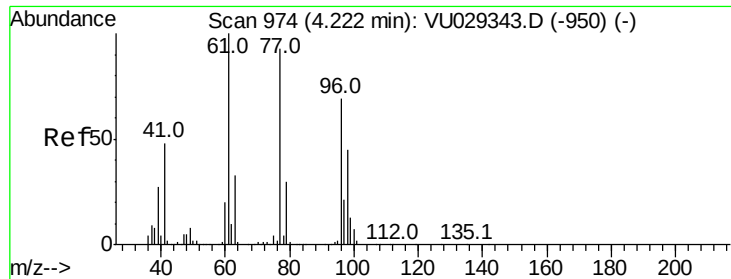
Tot Ion: 56 Resp: 195608
Ion Ratio Lower Upper
56 100
69 38.0 26.8 40.2
84 110.7 71.5 107.3#



#20
Methylcyclohexane
Concen: 10.038 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 83 Resp: 266934
Ion Ratio Lower Upper
83 100
55 67.6 72.4 108.6#
98 48.2 36.6 54.8





#21

2,2-Dichloropropane

Concen: 9.254 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

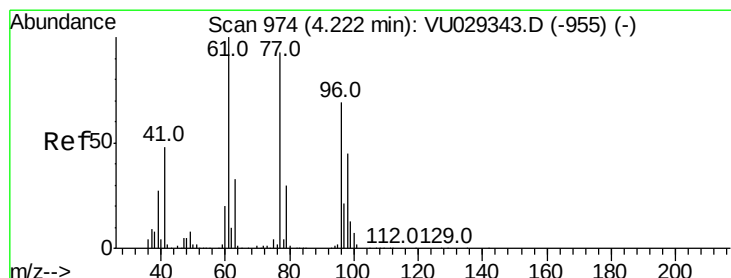
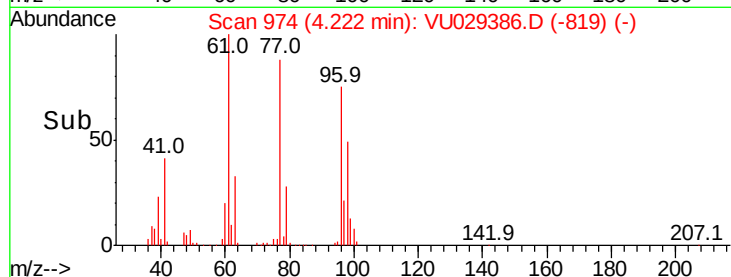
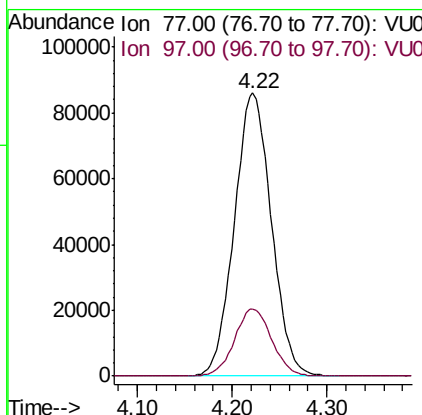
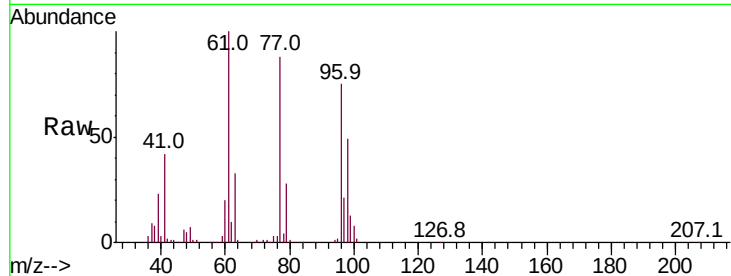
Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 77 Resp: 233897

Ion	Ratio	Lower	Upper
77	100		
97	23.8	15.6	23.4#



#22

cis-1,2-Dichloroethene

Concen: 11.098 ug/l

RT: 4.22 min Scan# 974

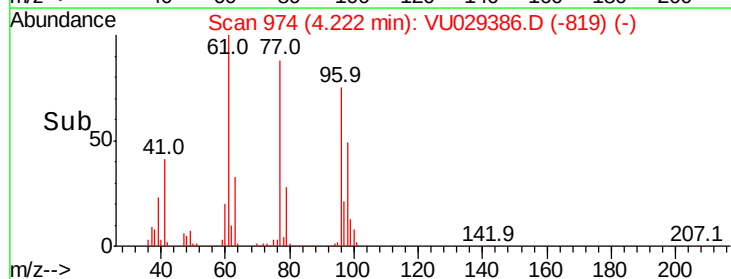
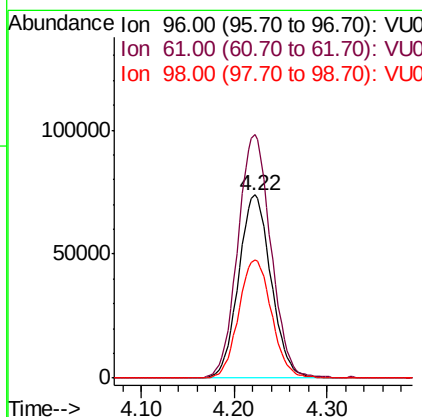
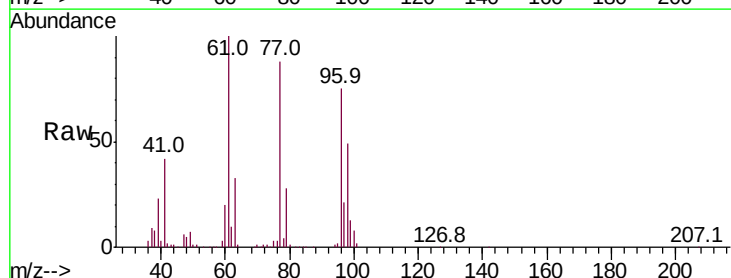
Delta R.T. -0.00 min

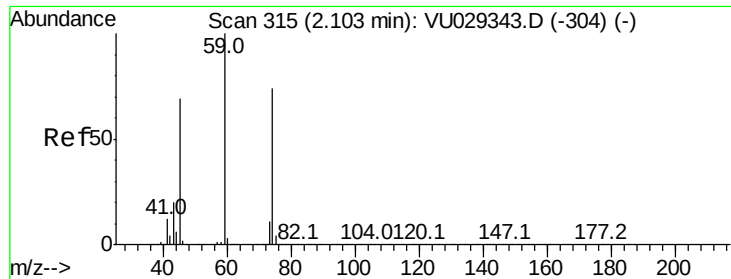
Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Tgt Ion: 96 Resp: 180160

Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	460.0
98	65.1	32.6	97.7

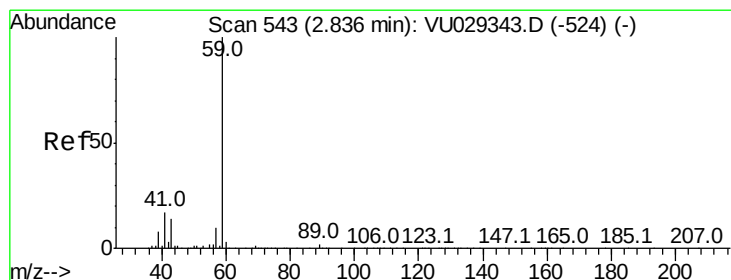
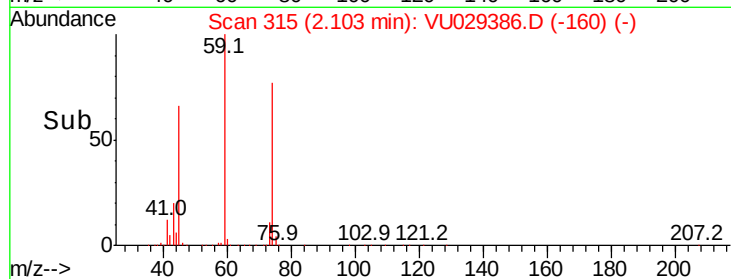
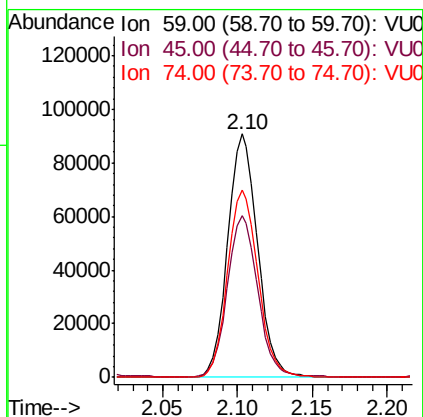
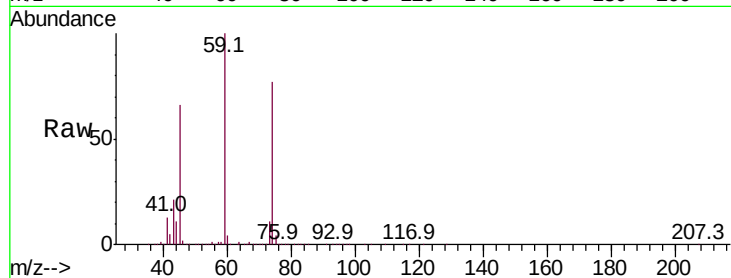




#23
Diethyl Ether
Concen: 10.212 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

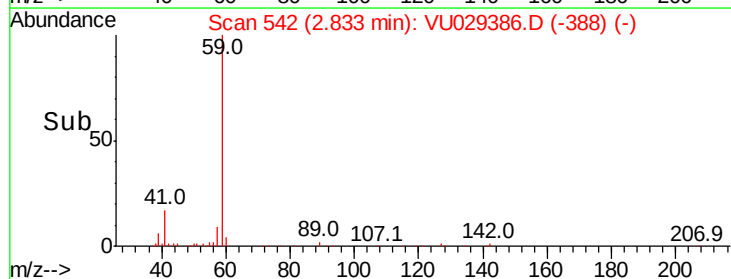
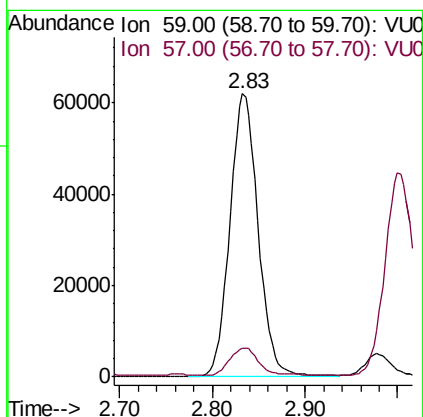
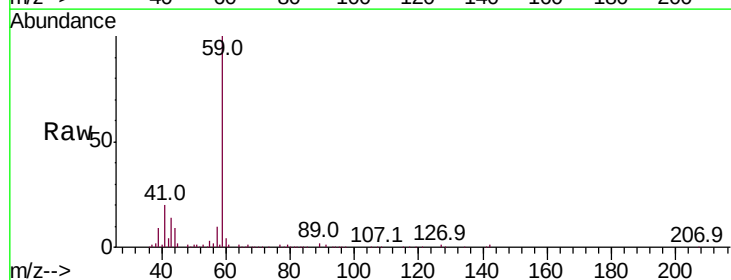
Instrument :
MSVOA_U
ClientSampleId :

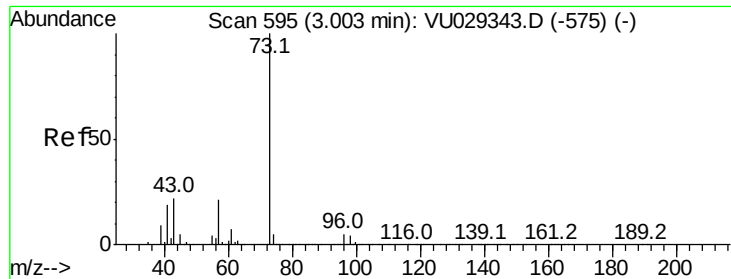
Tot Ion: 59 Resp: 126361
Ion Ratio Lower Upper
59 100
45 67.2 64.2 96.4
74 78.8 55.3 82.9



#24
tert-Butyl Alcohol
Concen: 102.087 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 59 Resp: 131280
Ion Ratio Lower Upper
59 100
57 9.8 8.8 13.2





#25

Methyl tert-Butyl Ether

Concen: 10.602 ug/l

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

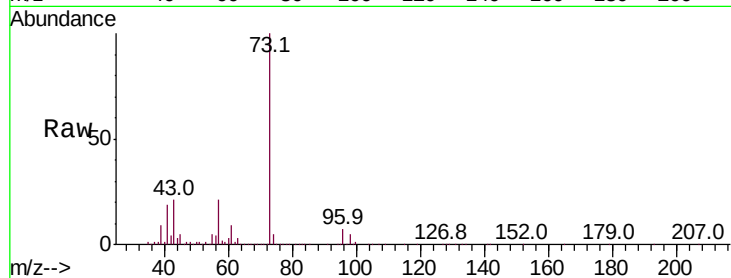
ClientSampled :

Tot Ion: 73 Resp: 459994

Ion Ratio Lower Upper

73 100

43 20.2 22.1 33.1#



Abundance Ion 73.00 (72.70 to 73.70): VU029343.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-575) (-)

3.00

200000

150000

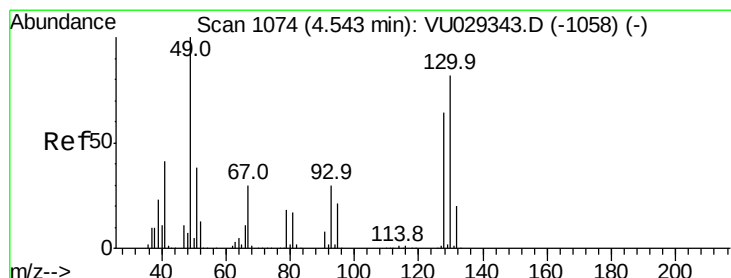
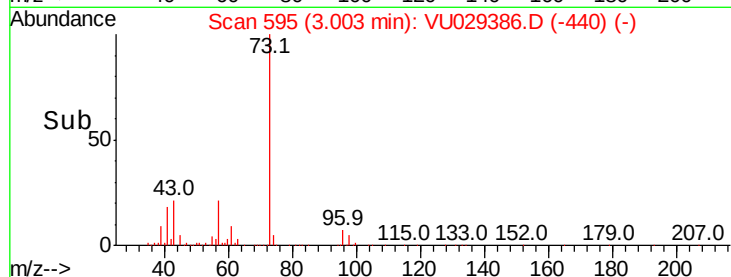
100000

50000

0

2.90 3.00 3.10

Time-->



#26

Bromochloromethane

Concen: 11.236 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

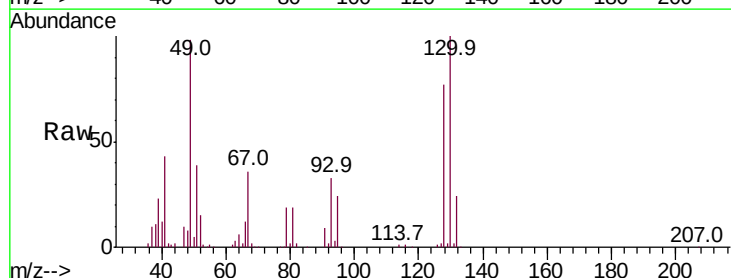
Tgt Ion: 128 Resp: 80566

Ion Ratio Lower Upper

128 100

49 130.2 0.0 401.6

130 131.4 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): VU029343.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU029343.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU029343.D (-1058) (-)

4.55

60000

50000

40000

30000

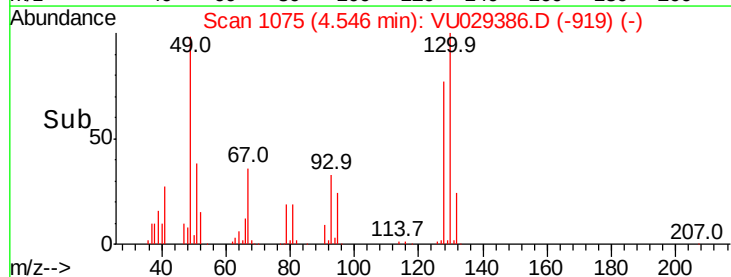
20000

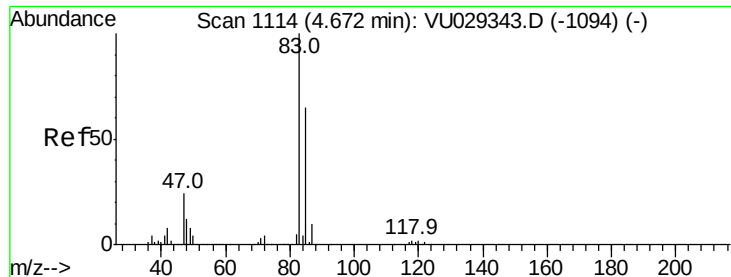
10000

0

4.50 4.55 4.60

Time-->

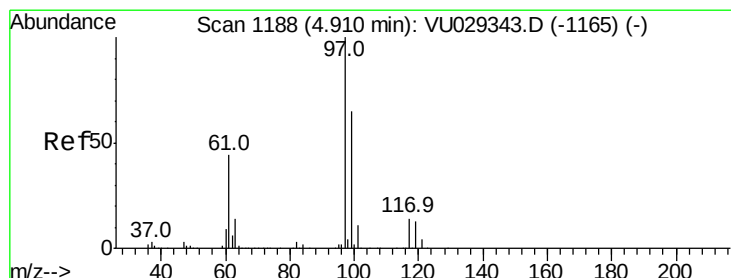
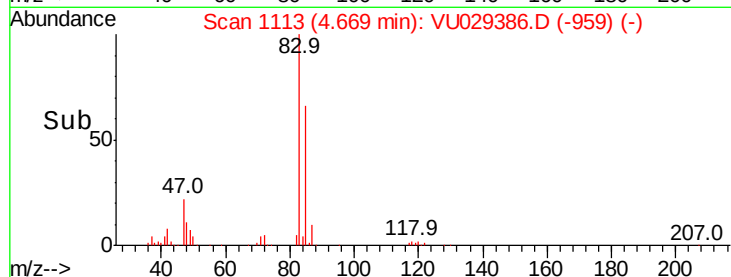
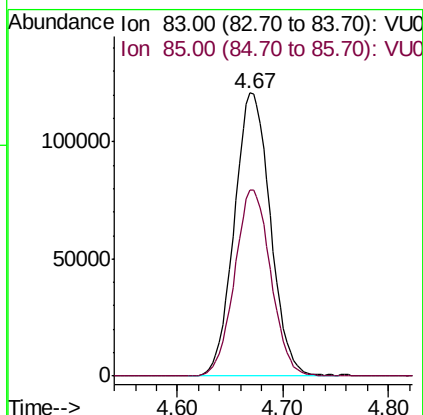
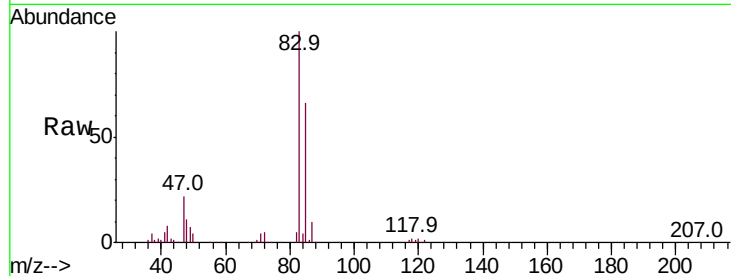




#27
Chloroform
Concen: 10.806 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

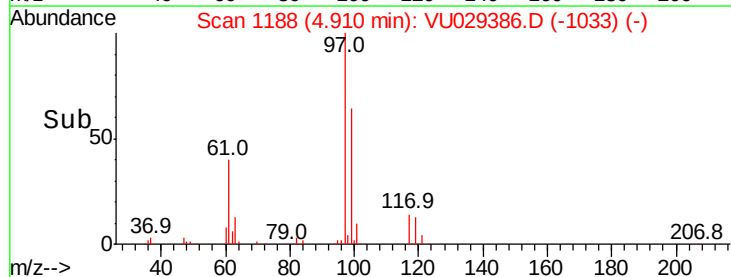
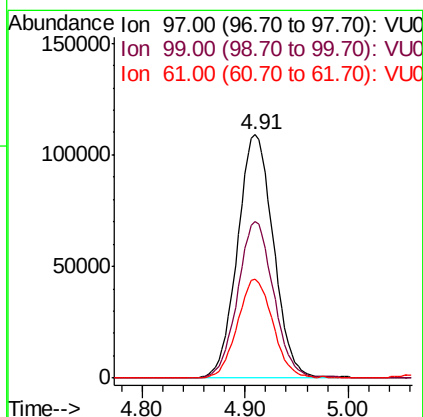
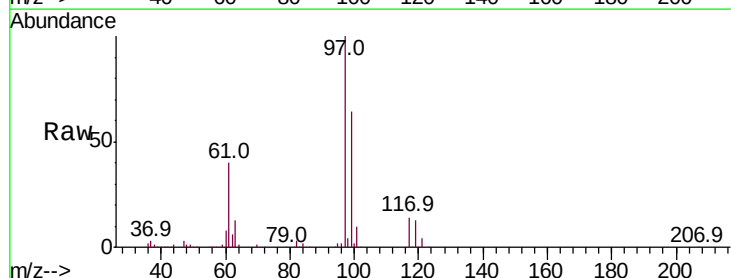
Instrument :
MSVOA_U
ClientSampled :

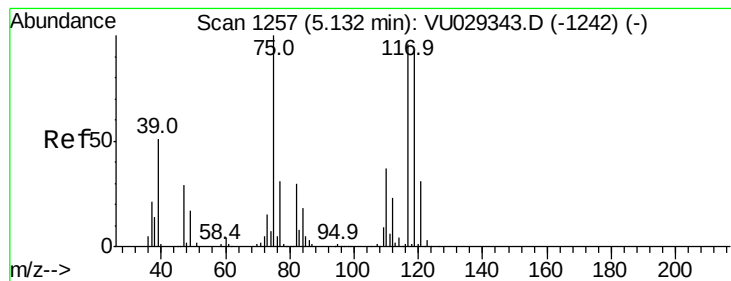
Tot Ion: 83 Resp: 286965
Ion Ratio Lower Upper
83 100
85 65.6 0.0 126.6



#28
1,1,1-Trichloroethane
Concen: 10.739 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 97 Resp: 264343
Ion Ratio Lower Upper
97 100
99 64.4 32.4 97.2
61 40.0 24.4 73.2





#29

1,1-Dichloropropene

Concen: 10.344 ug/l

RT: 5.13 min Scan# 1257

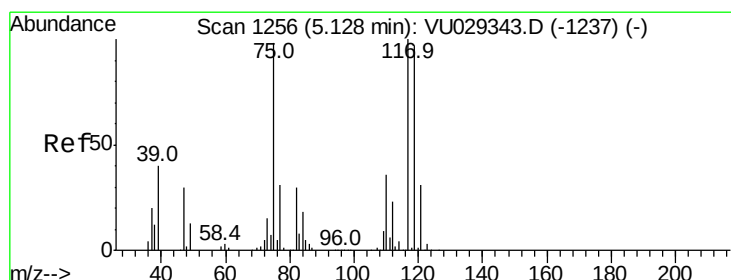
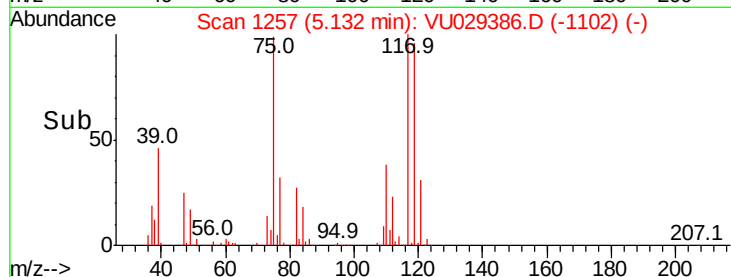
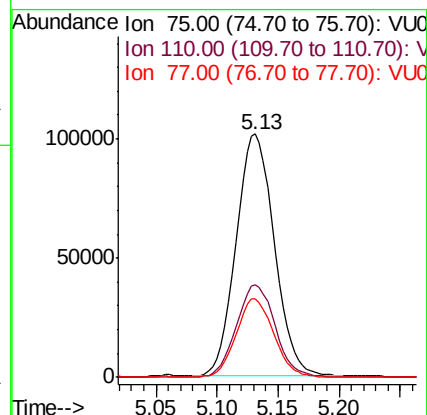
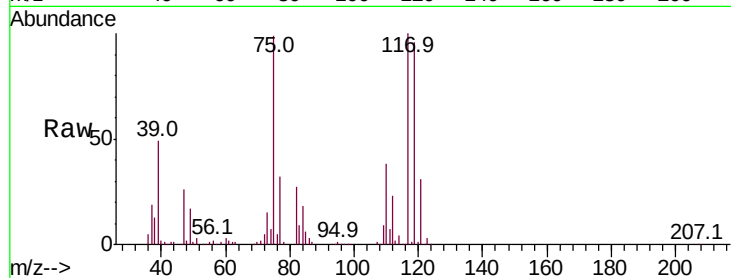
Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	75	Resp:	221025
Ion	Ratio	Lower	Upper
75	100		
110	39.0	15.4	46.2
77	31.5	24.1	36.1



#30

Carbon Tetrachloride

Concen: 10.988 ug/l

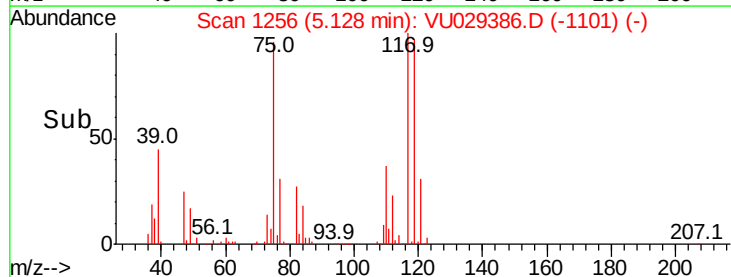
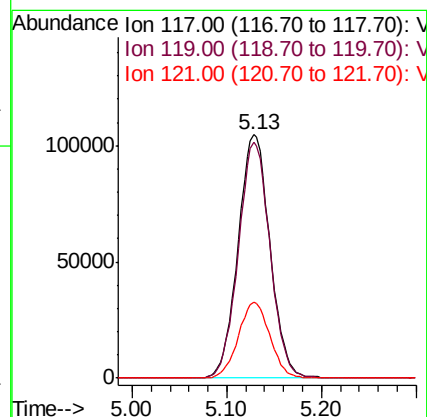
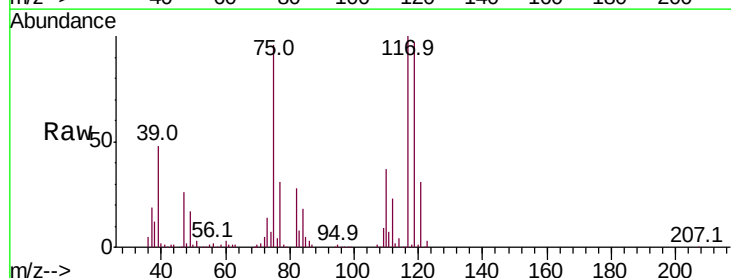
RT: 5.13 min Scan# 1256

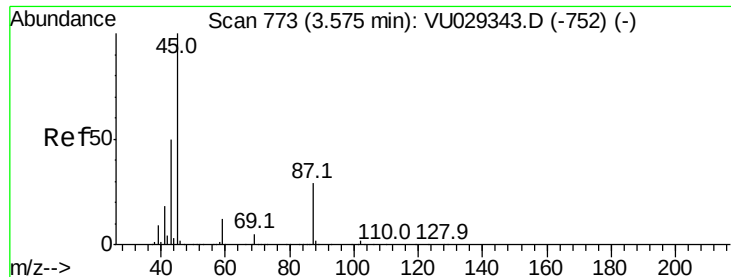
Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Tgt Ion:	117	Resp:	244852
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.8	115.2
121	31.3	24.4	36.6





#31

Isopropyl Ether

Concen: 9.625 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

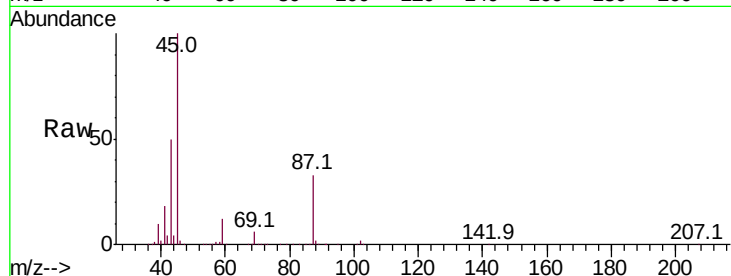
ClientSampleId :

Tot Ion: 45 Resp: 396602

Ion Ratio Lower Upper

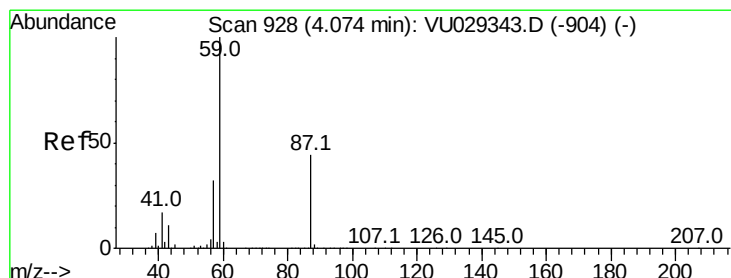
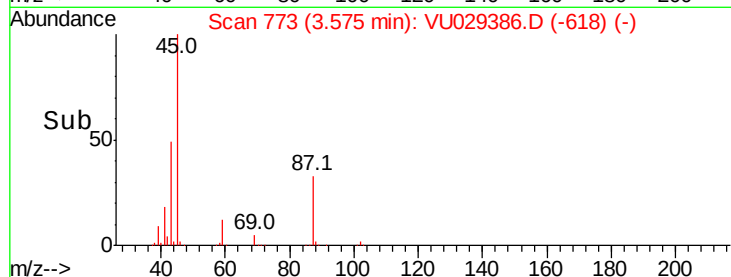
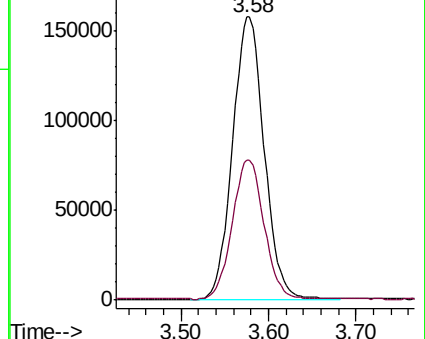
45 100

43 49.1 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU029343.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 9.842 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU029386.D

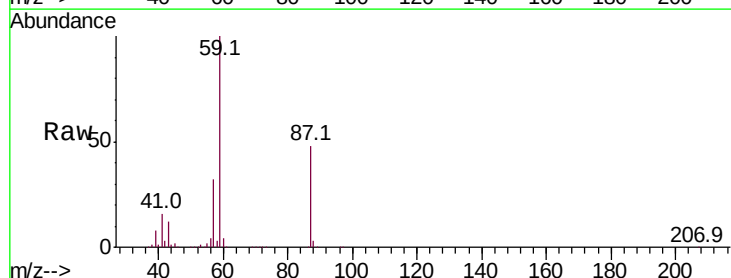
Acq: 08 Feb 2019 19:58

Tgt Ion: 59 Resp: 406373

Ion Ratio Lower Upper

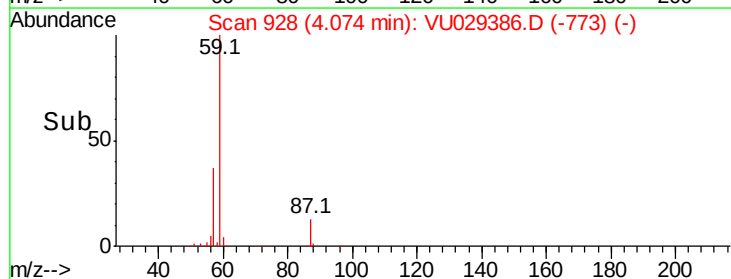
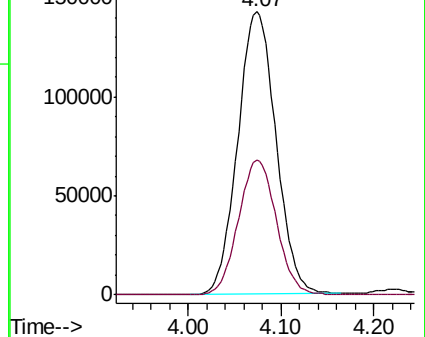
59 100

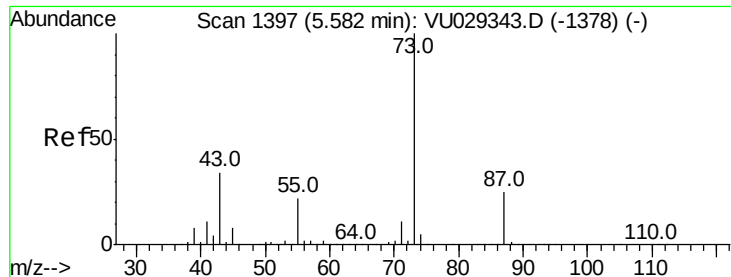
87 47.2 31.1 46.7#



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)

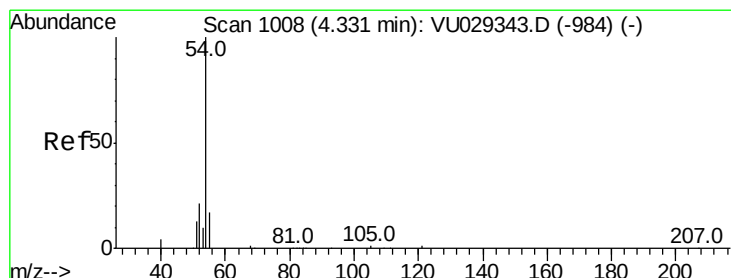
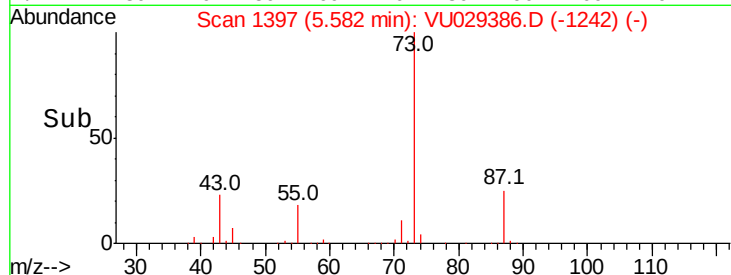
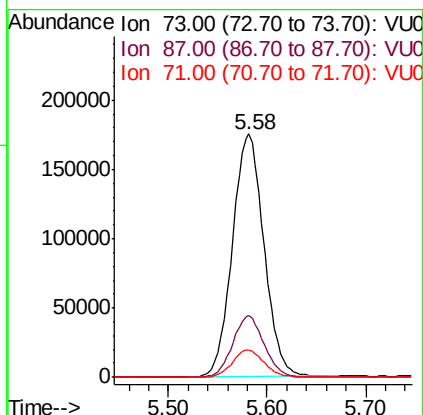
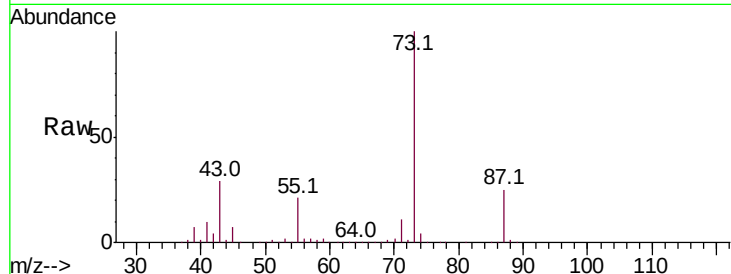




#33
Tert-Butyl methyl ether
Concen: 10.403 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

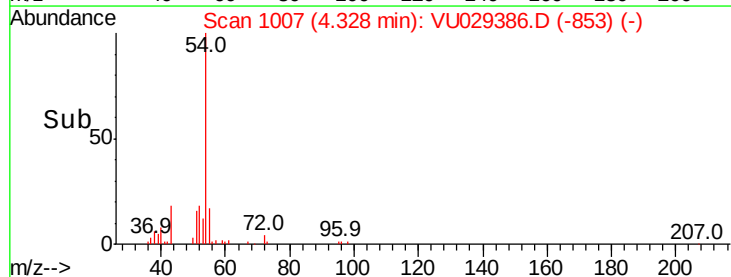
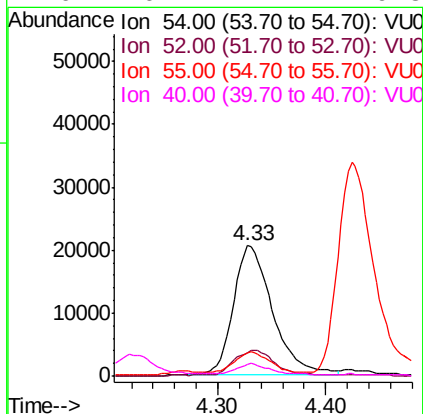
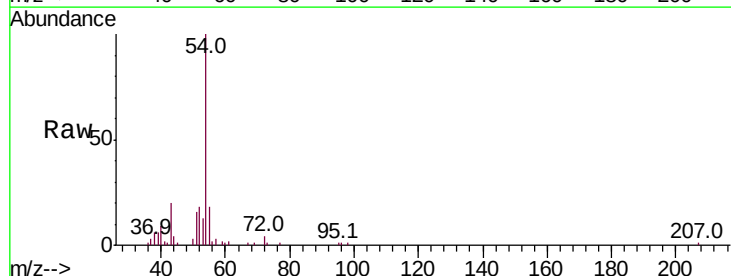
Instrument :
MSVOA_U
ClientSampleId :

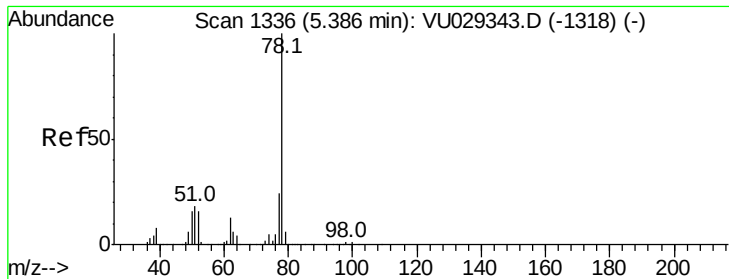
Tot Ion: 73 Resp: 388404
Ion Ratio Lower Upper
73 100
87 25.2 19.4 29.0
71 11.2 9.0 13.4



#34
Propionitrile
Concen: 52.688 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 54 Resp: 51522
Ion Ratio Lower Upper
54 100
52 19.5 18.9 28.3
55 14.5 15.1 22.7#
40 6.2 7.2 10.8#





#35

Benzene

Concen: 10.524 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

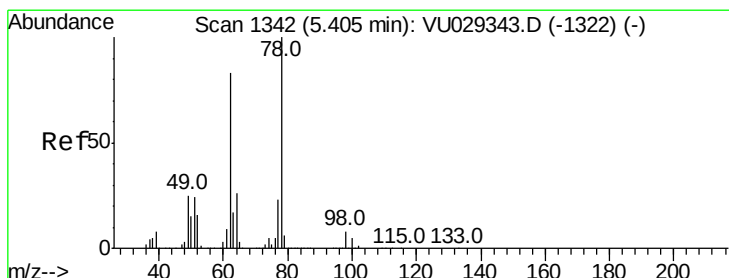
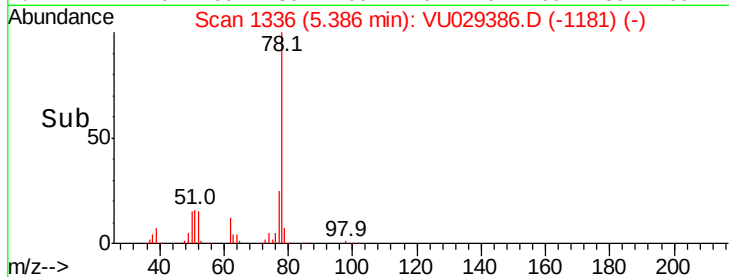
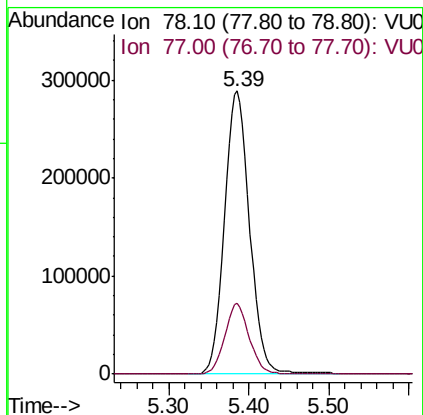
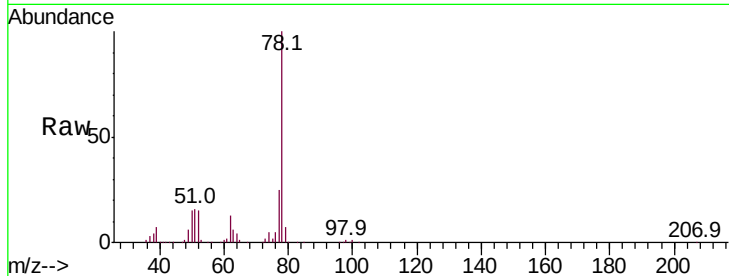
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 621851

Ion Ratio Lower Upper

78 100

77 24.9 19.8 29.8



#36

1,2-Dichloroethane

Concen: 9.963 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029386.D

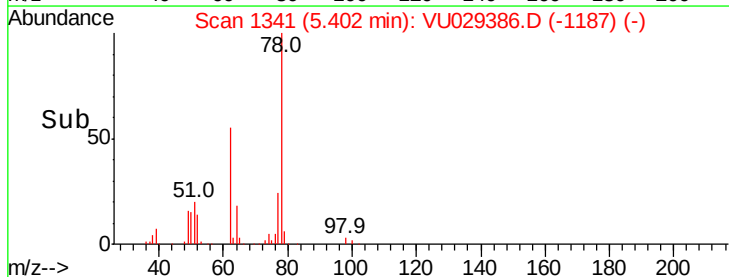
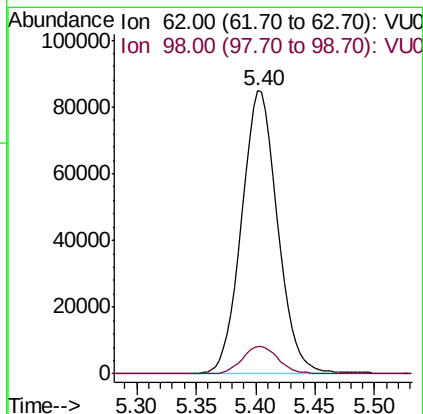
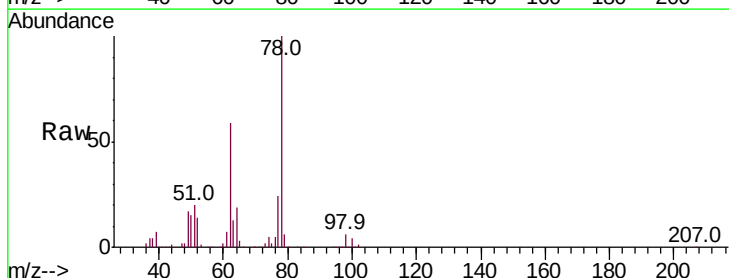
Acq: 08 Feb 2019 19:58

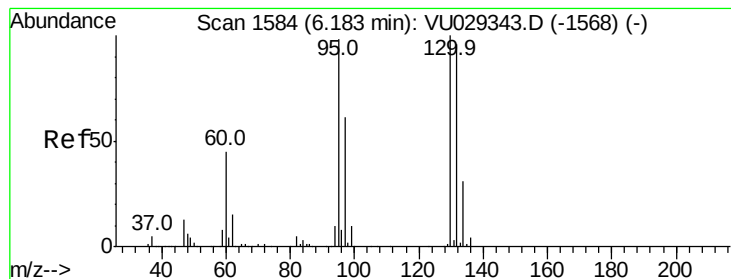
Tgt Ion: 62 Resp: 178060

Ion Ratio Lower Upper

62 100

98 9.8 4.9 7.3#





#37

Trichloroethene

Concen: 11.638 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

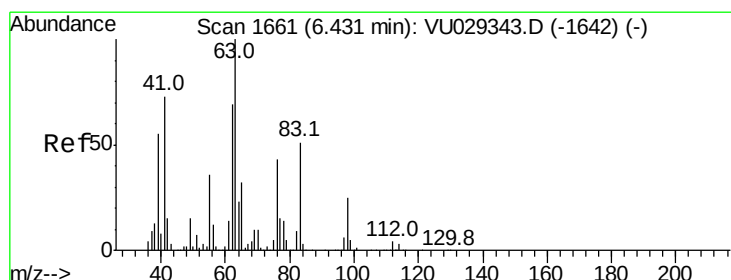
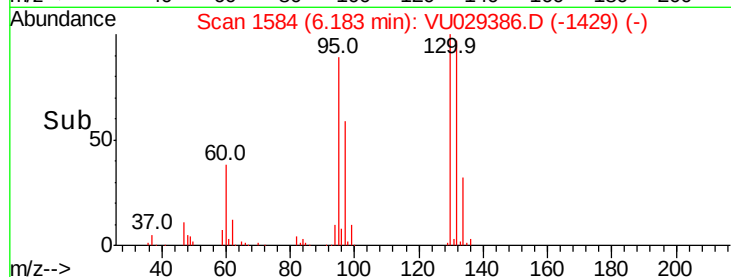
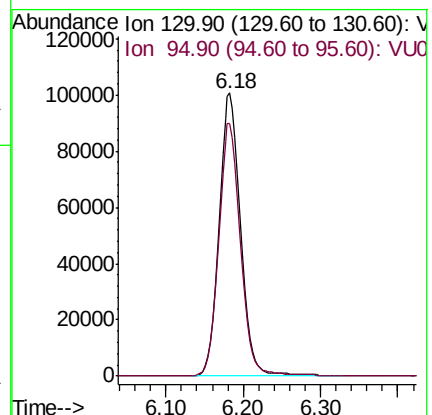
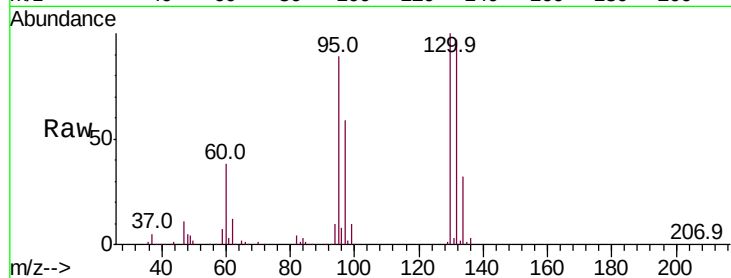
ClientSampleId :

Tot Ion:130 Resp: 197343

Ion Ratio Lower Upper

130 100

95 89.4 85.4 128.0



#38

1,2-Dichloropropane

Concen: 10.158 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029386.D

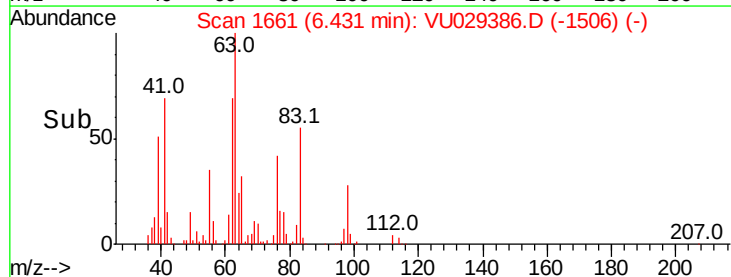
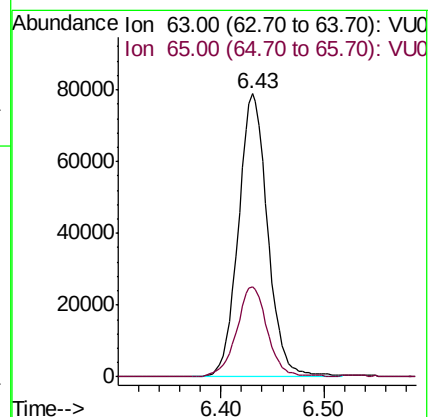
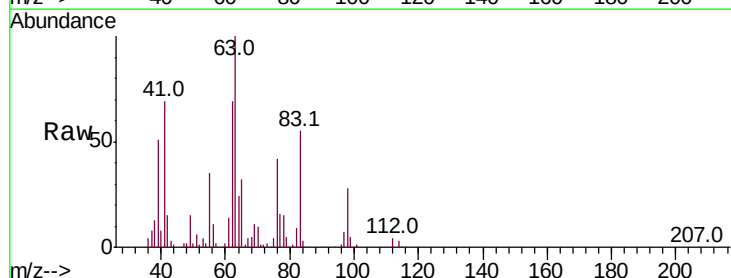
Acq: 08 Feb 2019 19:58

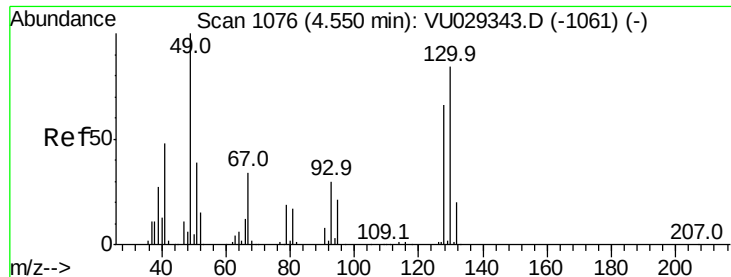
Tgt Ion: 63 Resp: 156141

Ion Ratio Lower Upper

63 100

65 31.8 25.5 38.3

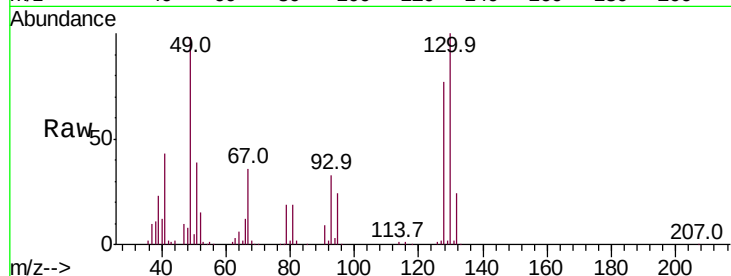




#39
Methacrylonitrile
Concen: 9.247 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
67	82.3	50.1	75.1#
39	54.7	47.9	71.9
52	33.3	24.8	37.2



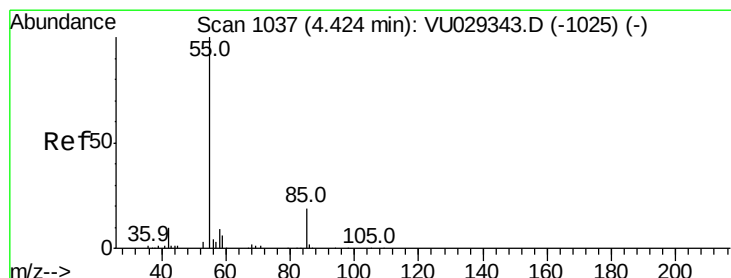
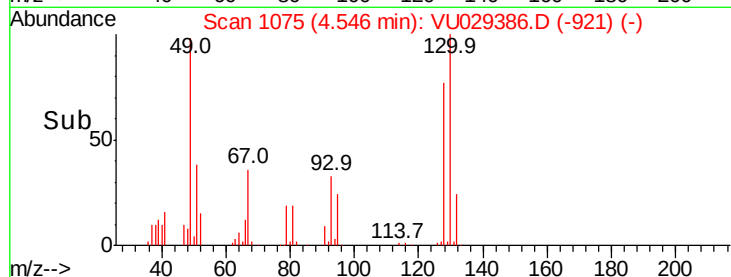
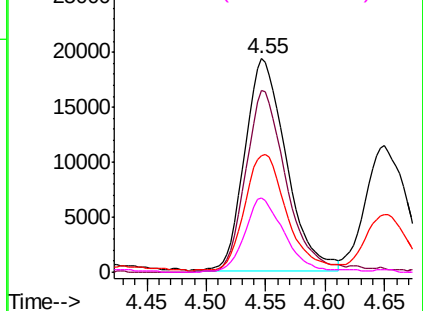
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 10.043 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
55	100		
85	20.2	11.3	16.9#
58	8.8	6.2	9.4
42	10.5	10.1	15.1

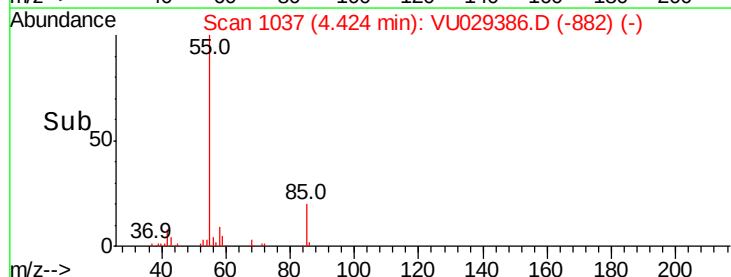
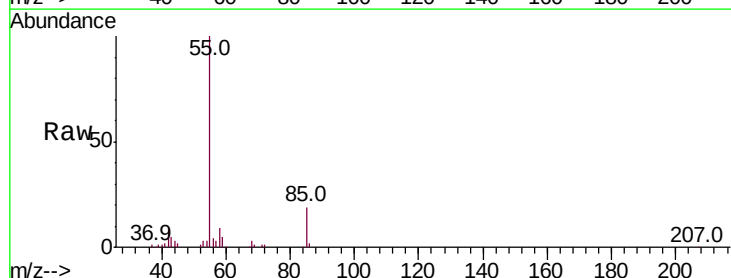
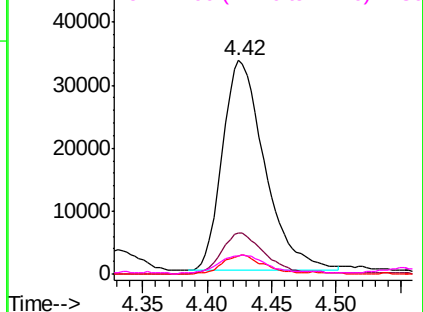
Abundance

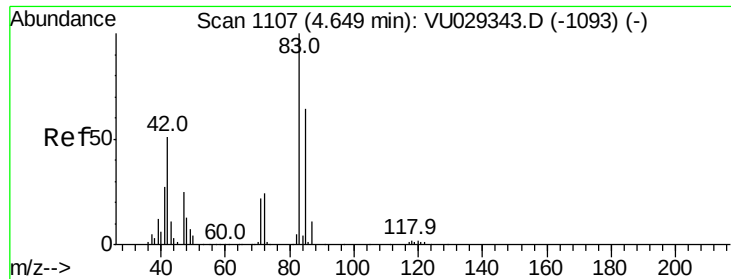
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 18.368 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

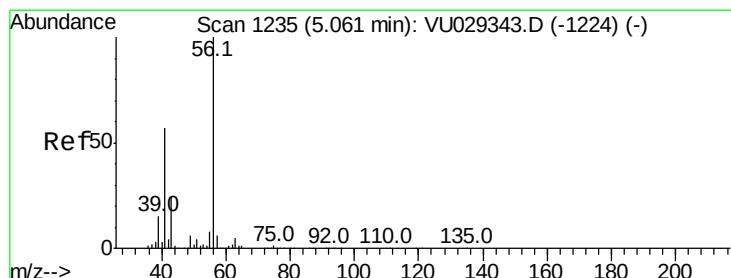
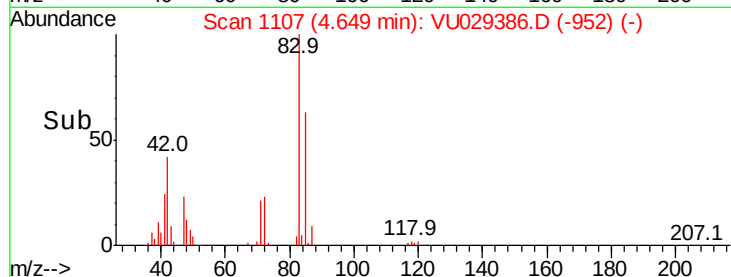
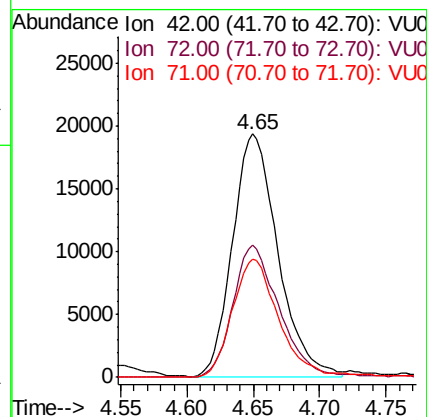
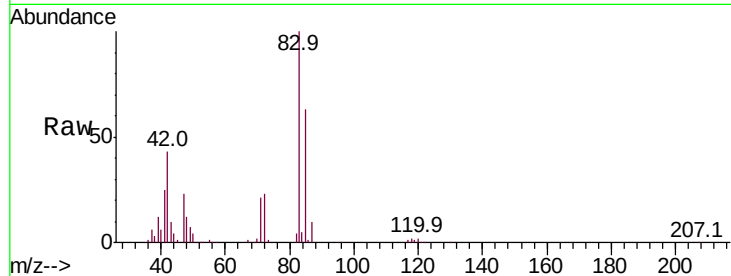
Tot Ion: 42 Resp: 46333

Ion Ratio Lower Upper

42 100

72 54.7 33.1 49.7#

71 48.5 30.2 45.2#



#42

1-Chlorobutane

Concen: 9.892 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029386.D

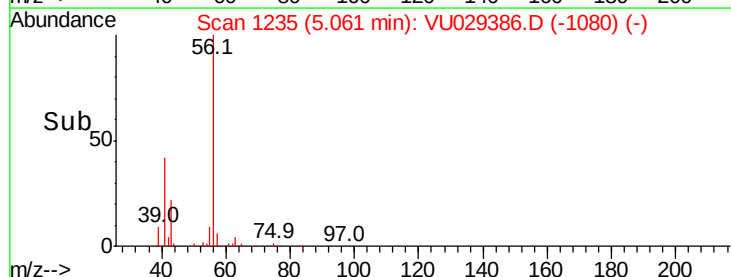
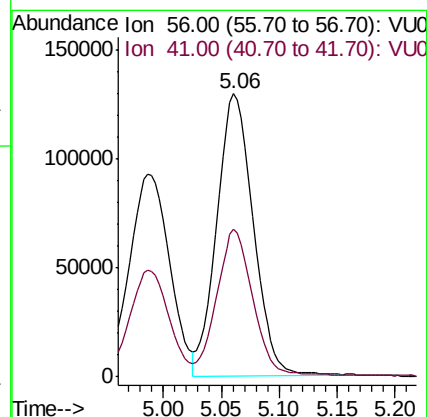
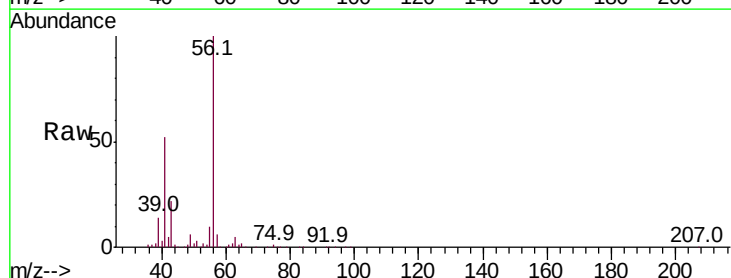
Acq: 08 Feb 2019 19:58

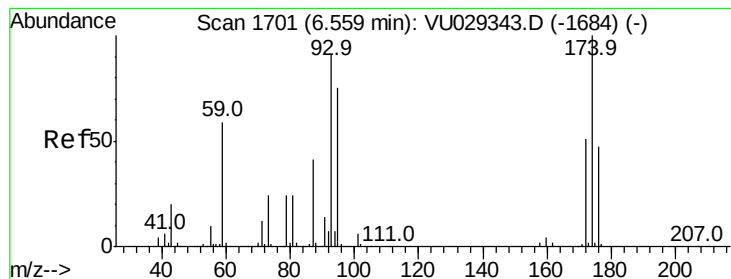
Tgt Ion: 56 Resp: 283202

Ion Ratio Lower Upper

56 100

41 51.5 31.3 93.8





#43

Dibromomethane

Concen: 10.554 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

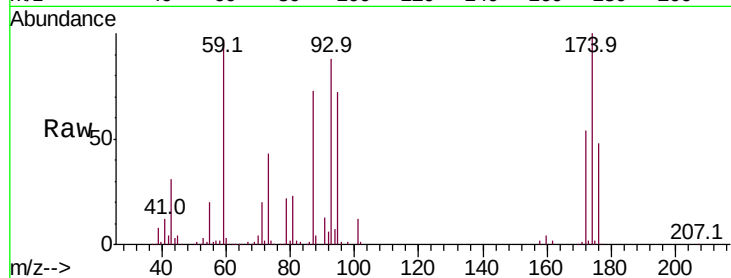
Tot Ion: 93 Resp: 86451

Ion Ratio Lower Upper

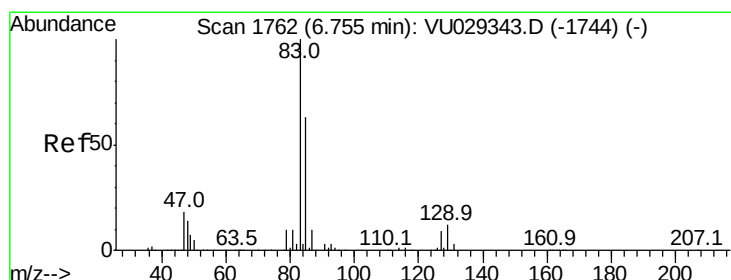
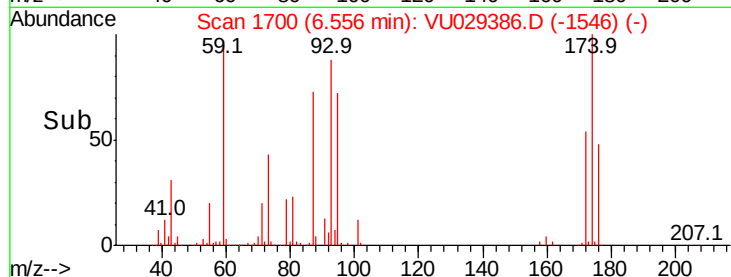
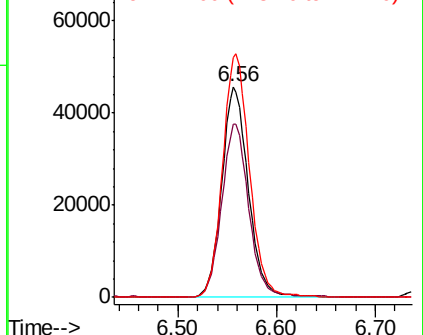
93 100

95 83.8 68.2 102.2

174 116.7 77.6 116.4#



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 10.440 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

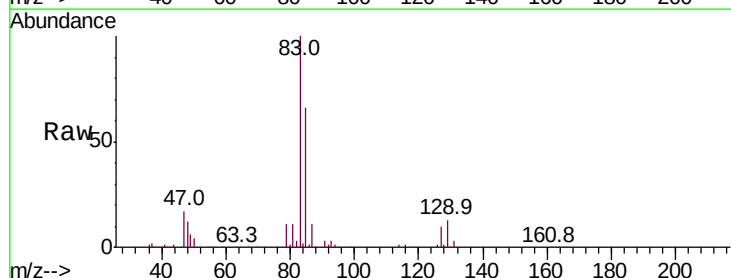
Tgt Ion: 83 Resp: 217911

Ion Ratio Lower Upper

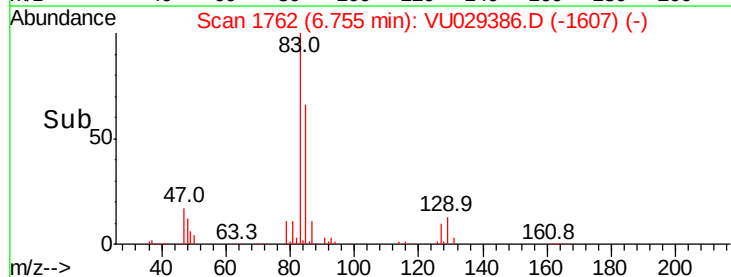
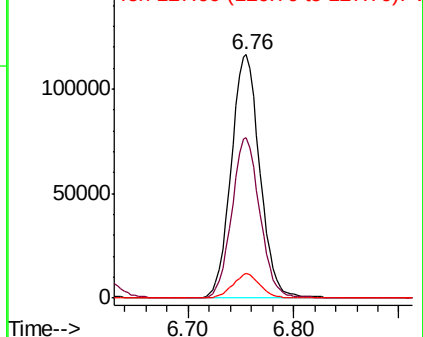
83 100

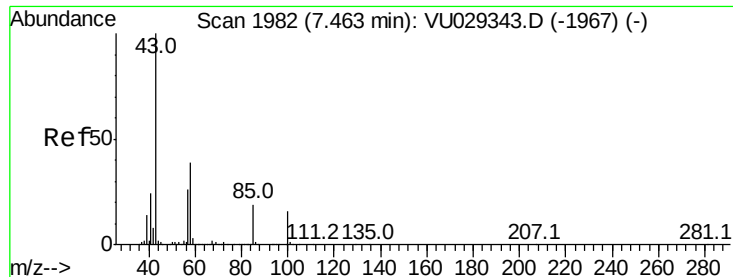
85 66.2 49.2 73.8

127 10.1 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 47.697 ug/l

RT: 7.46 min Scan# 1982

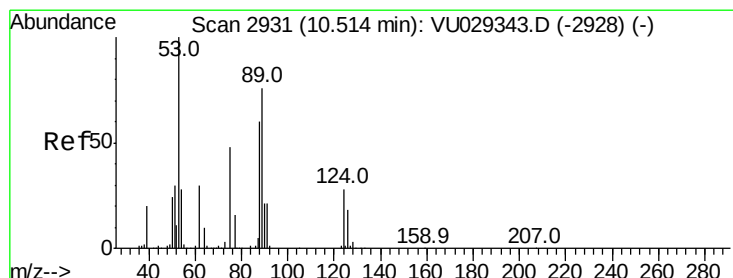
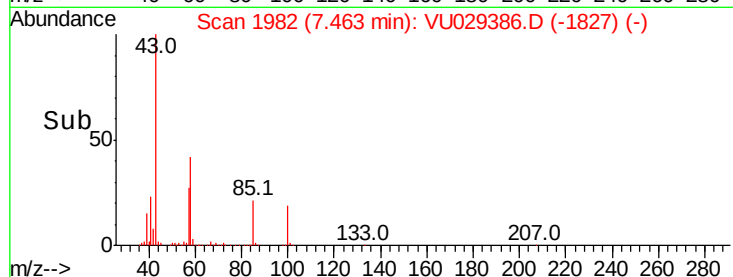
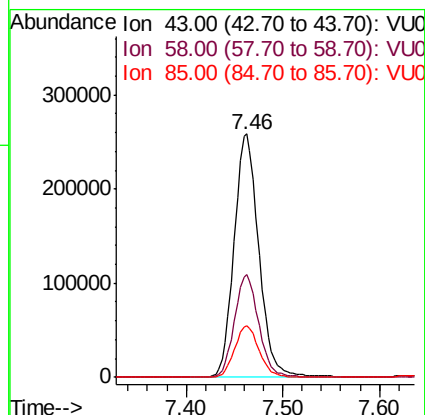
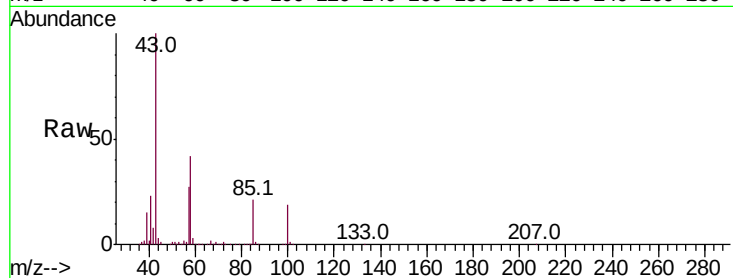
Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.6	17.6	52.8
85	21.1	12.3	18.5



#46

t-1,4-Dichloro-2-butene

Concen: 19.338 ug/l

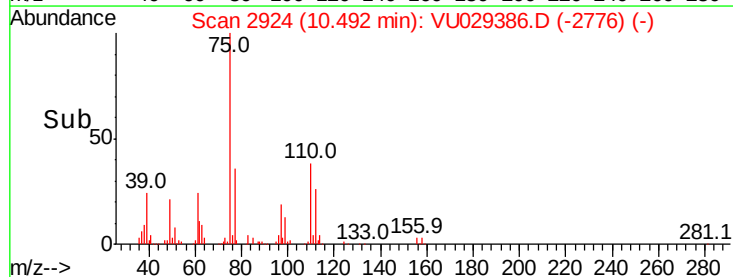
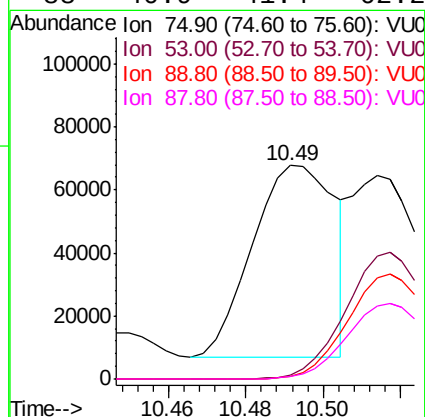
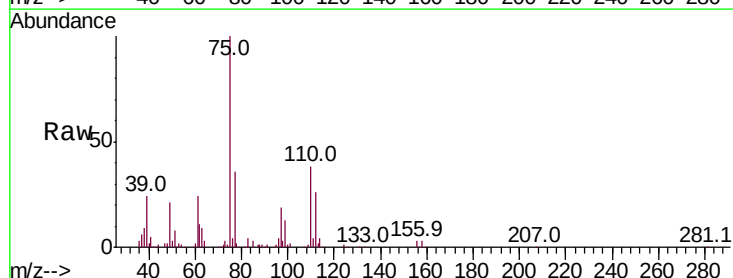
RT: 10.49 min Scan# 2924

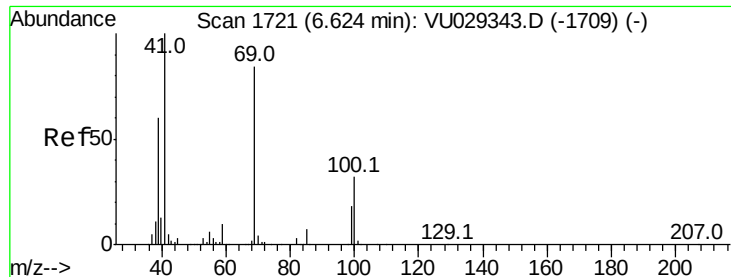
Delta R.T. -0.02 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
53	68.4	78.2	117.4
89	56.5	44.2	66.4
88	40.9	41.4	62.2

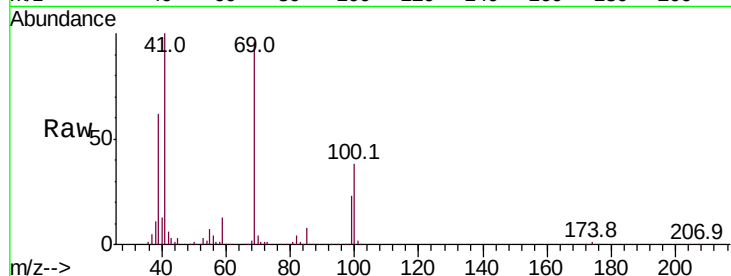




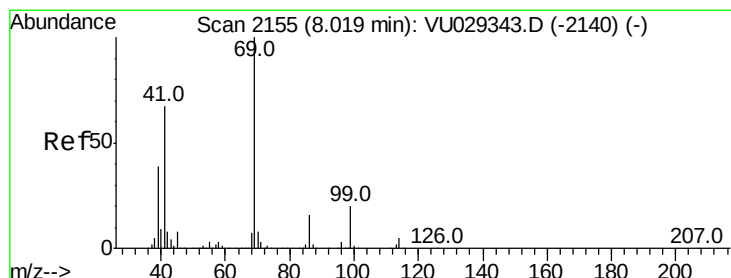
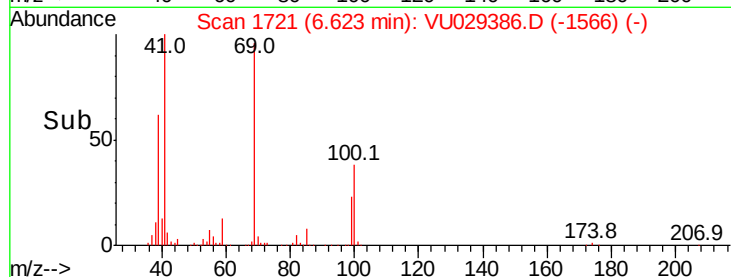
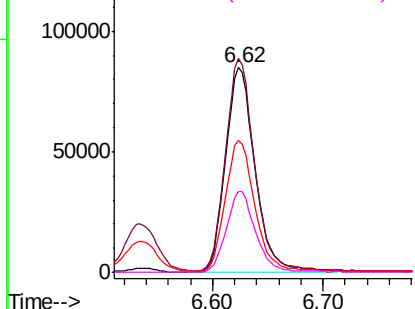
#47
Methvl methacrylate
Concen: 21.666 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 156151
Ion Ratio Lower Upper
69 100
41 103.5 0.0 296.2
39 64.4 71.2 106.8#
100 39.2 28.6 42.8

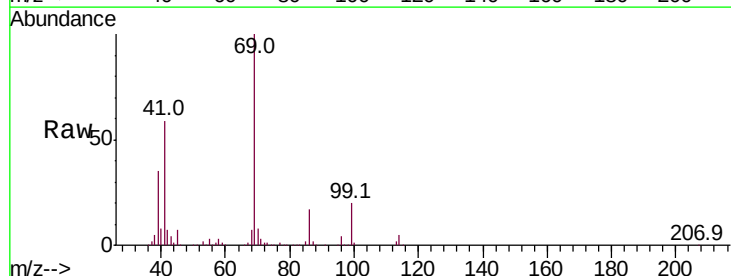


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

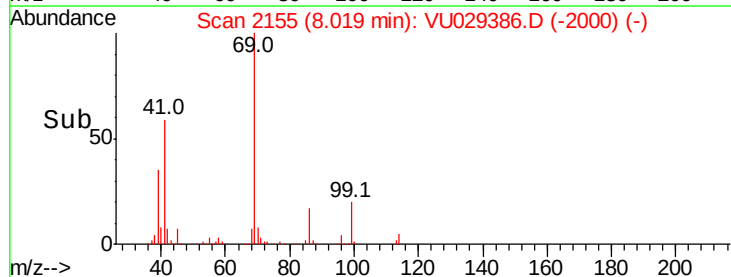
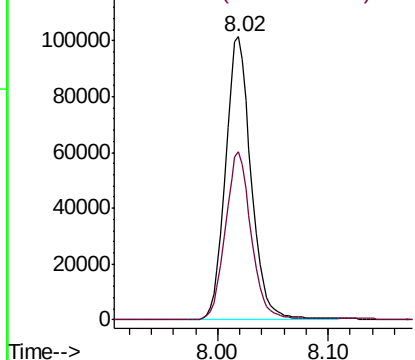


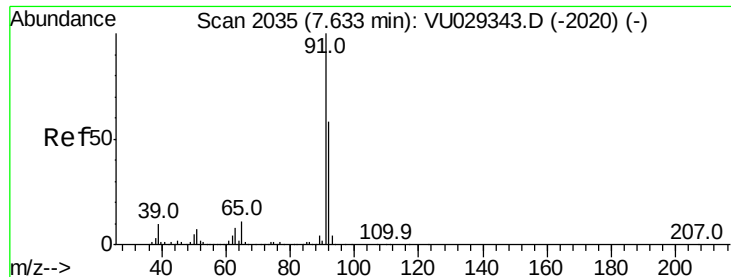
#48
Ethyl methacrylate
Concen: 10.582 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 69 Resp: 163622
Ion Ratio Lower Upper
69 100
41 59.0 39.9 119.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.976 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

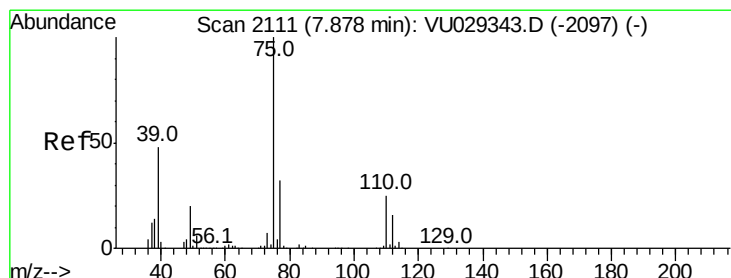
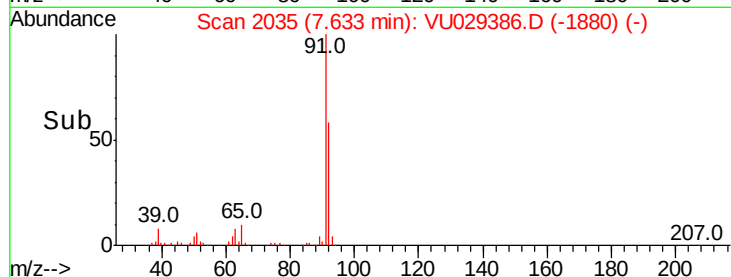
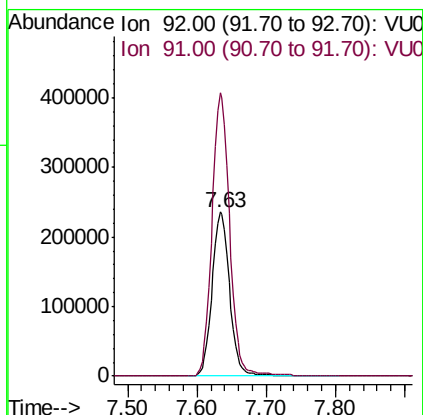
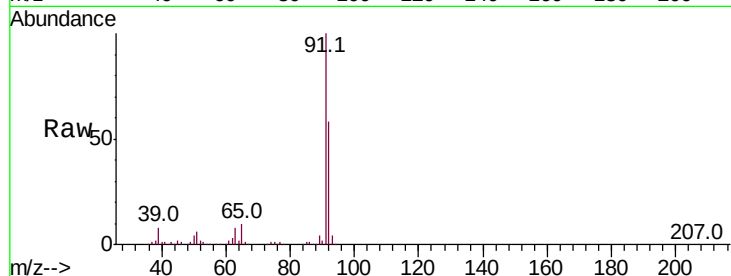
ClientSampled :

Tot Ion: 92 Resp: 415030

Ion Ratio Lower Upper

92 100

91 173.7 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 10.107 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029386.D

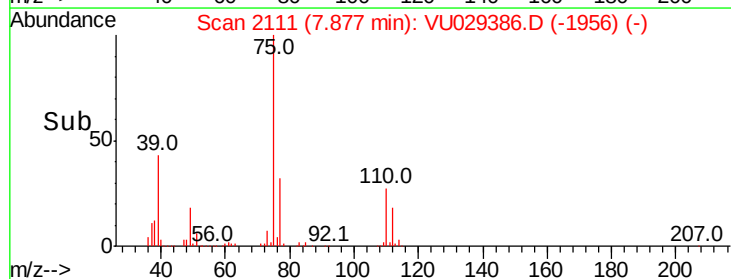
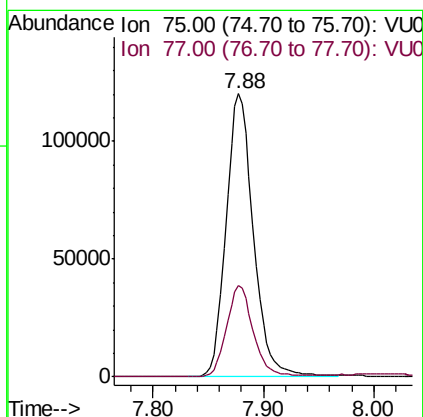
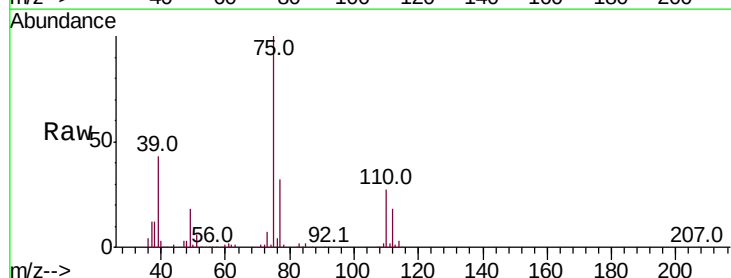
Acq: 08 Feb 2019 19:58

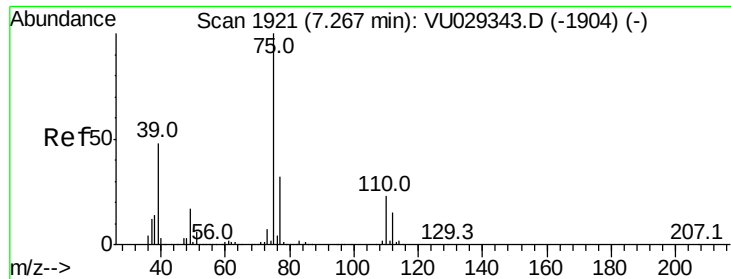
Tgt Ion: 75 Resp: 206799

Ion Ratio Lower Upper

75 100

77 32.2 23.6 35.4

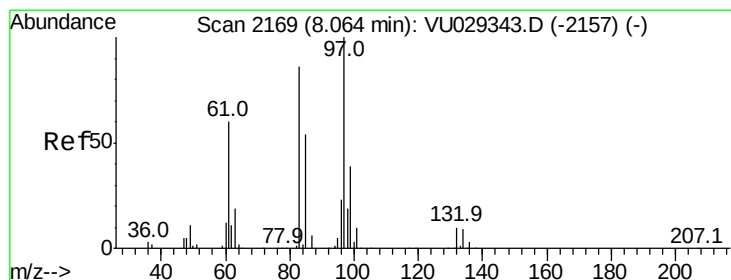
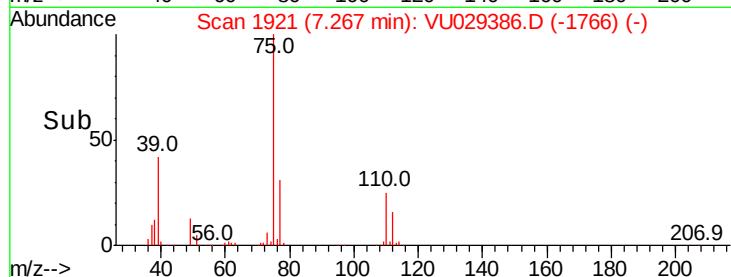
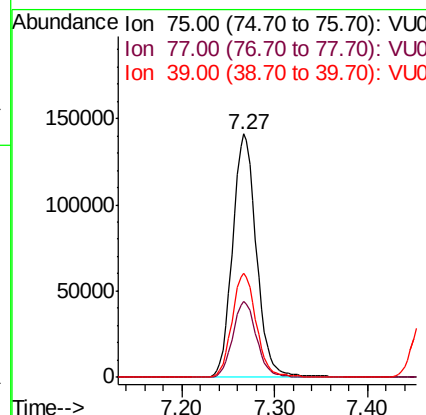
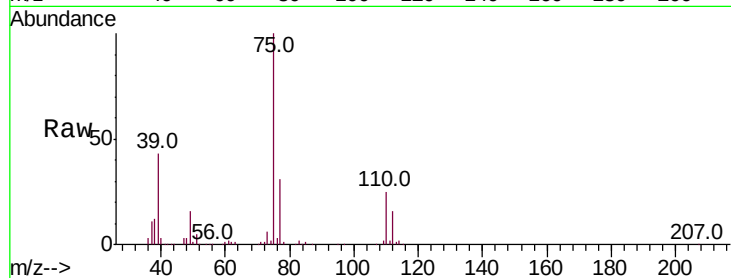




#51
 cis-1,3-Dichloropropene
 Concen: 10.362 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

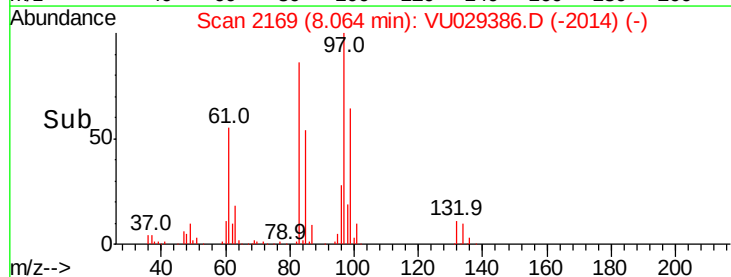
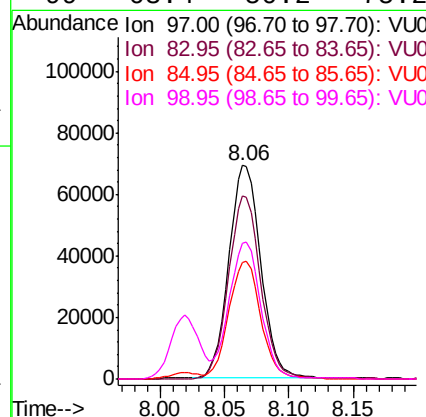
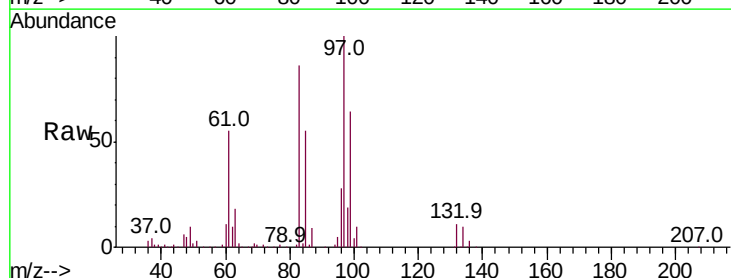
Instrument :
 MSVOA_U
 ClientSampleId :

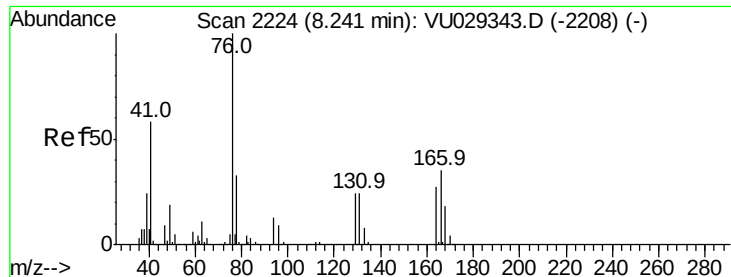
Tot Ion: 75 Resp: 251864
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3
 39 42.4 47.2 70.8#



#52
 1,1,2-Trichloroethane
 Concen: 10.998 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Tgt Ion: 97 Resp: 119273
 Ion Ratio Lower Upper
 97 100
 83 86.0 69.9 104.9
 85 54.6 45.8 68.6
 99 63.4 50.2 75.2





#53

1,3-Dichloropropane

Concen: 10.532 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

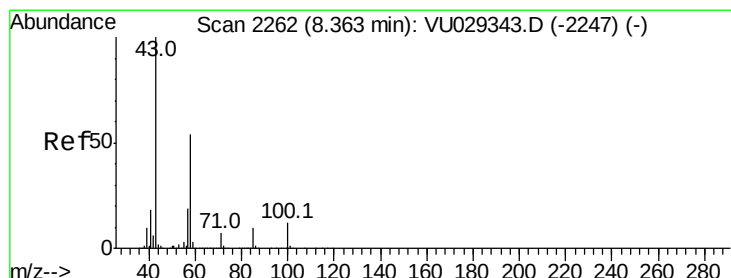
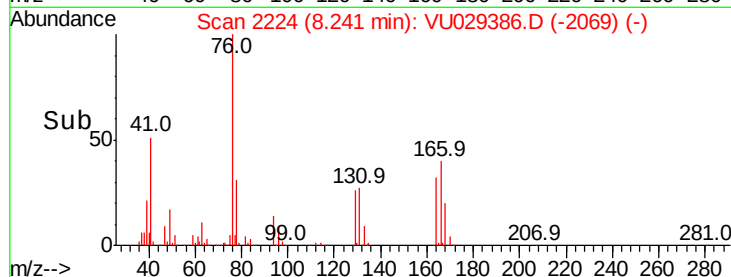
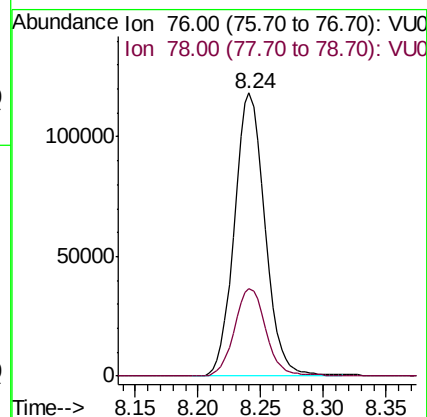
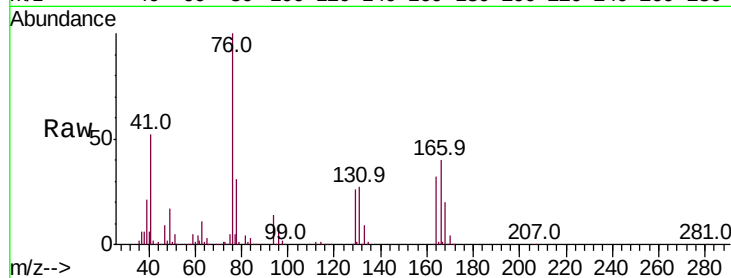
ClientSampleId :

Tot Ion: 76 Resp: 200644

Ion Ratio Lower Upper

76 100

78 31.6 26.3 39.5



#54

2-Hexanone

Concen: 47.780 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

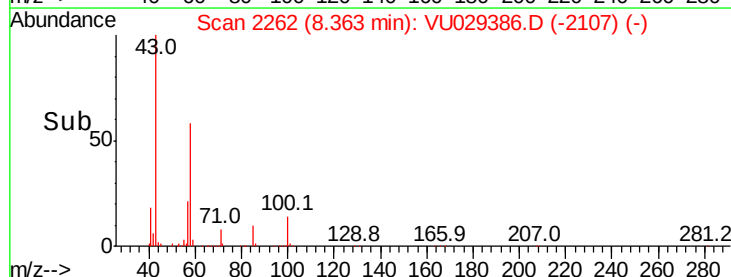
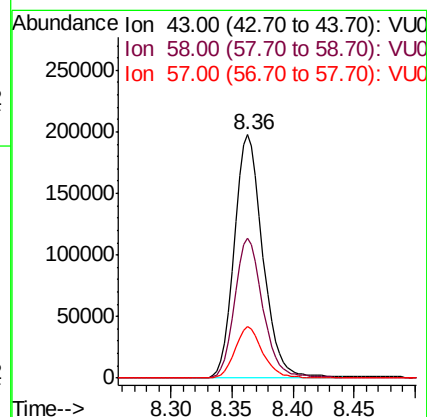
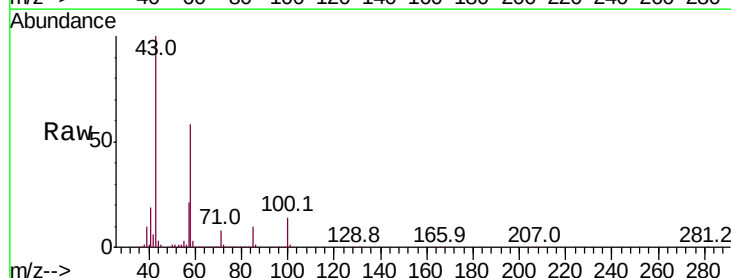
Tgt Ion: 43 Resp: 321607

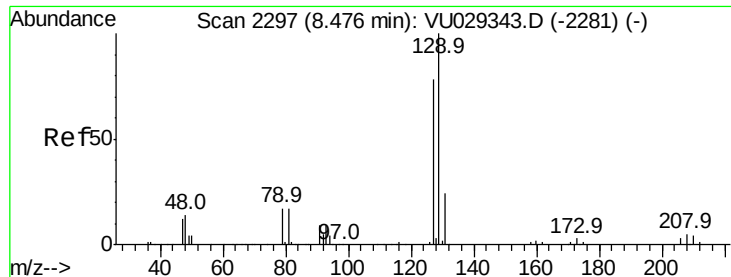
Ion Ratio Lower Upper

43 100

58 57.5 26.0 66.0

57 20.5 0.0 37.7





#55

Dibromochloromethane

Concen: 11.152 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

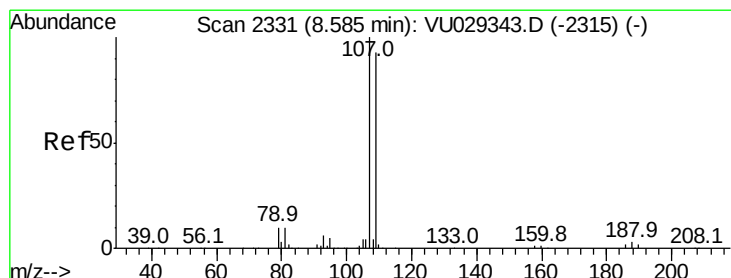
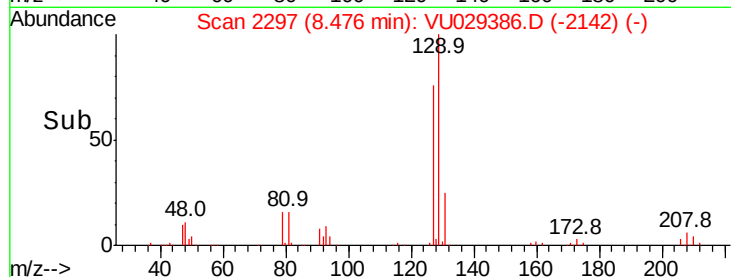
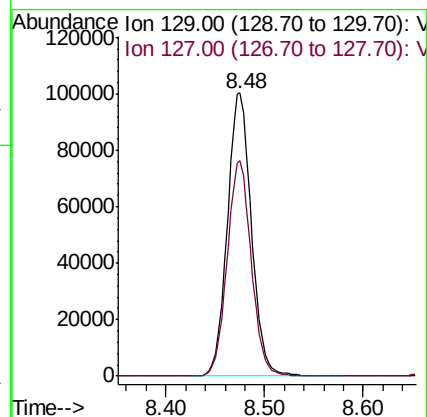
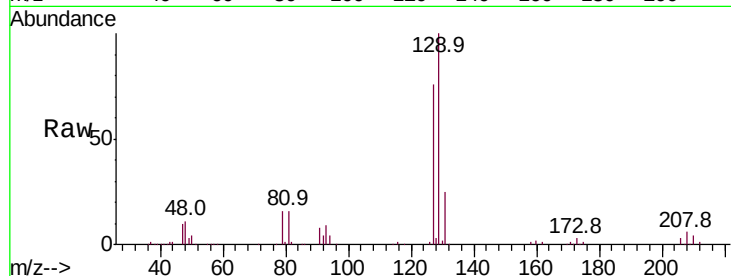
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 171902

Ion Ratio Lower Upper

129 100

127 76.6 60.5 90.7



#56

1,2-Dibromoethane

Concen: 10.639 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029386.D

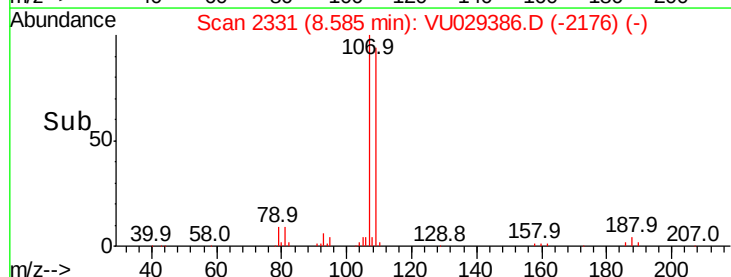
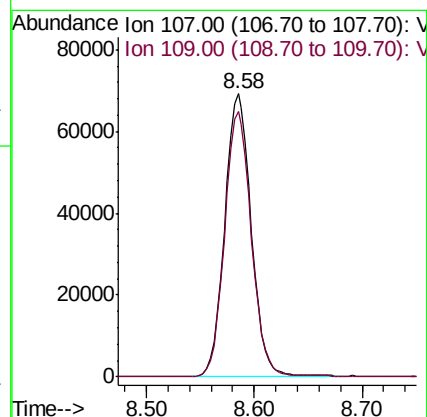
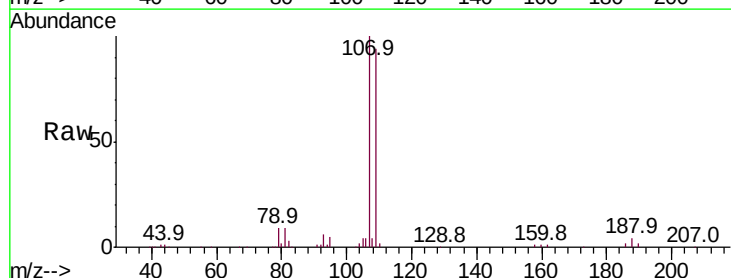
Acq: 08 Feb 2019 19:58

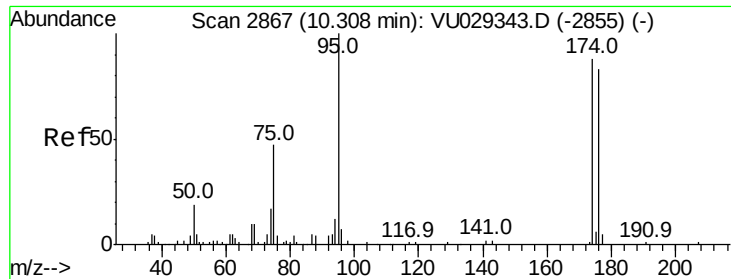
Tgt Ion:107 Resp: 118376

Ion Ratio Lower Upper

107 100

109 94.8 0.0 189.6

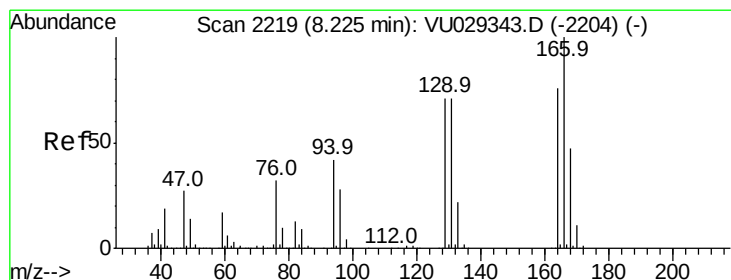
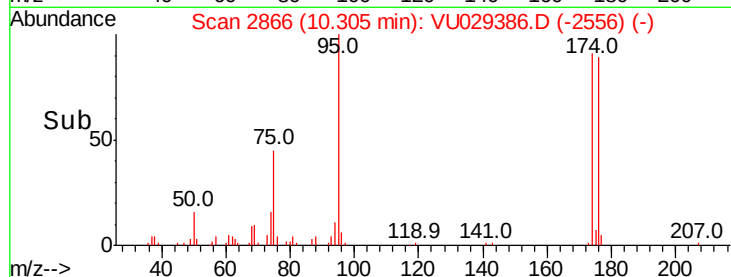
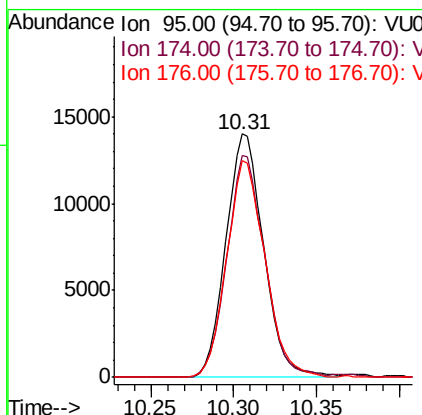
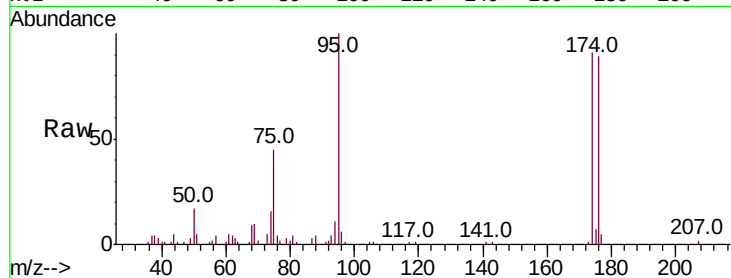




#57
4-Bromofluorobenzene
Concen: 10.639 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

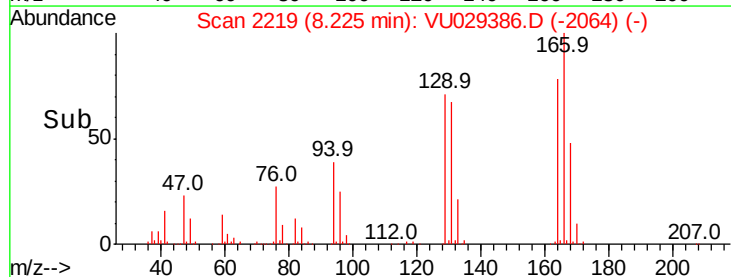
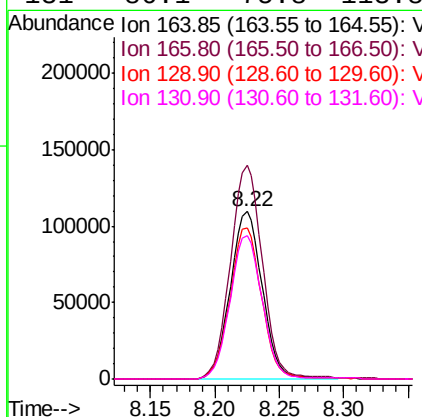
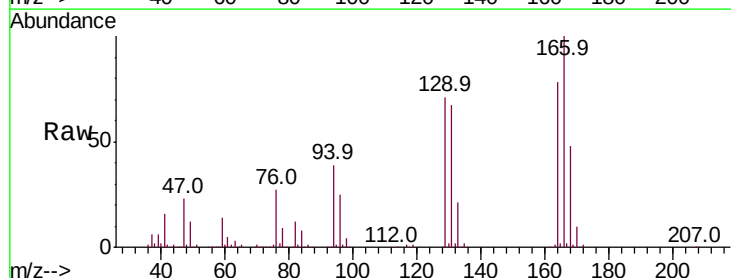
Instrument :
MSVOA_U
ClientSampleId :

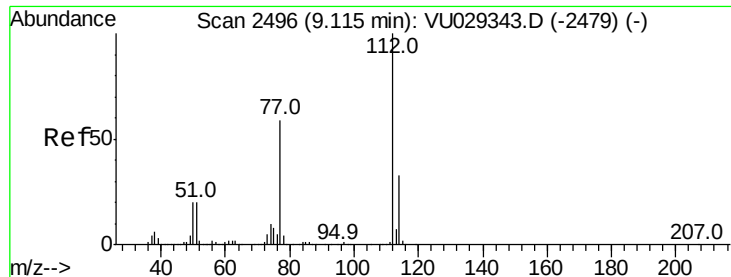
Tot Ion: 95 Resp: 22199
Ion Ratio Lower Upper
95 100
174 91.1 64.2 96.2
176 90.5 62.3 93.5



#58
Tetrachloroethene
Concen: 11.998 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion:164 Resp: 189313
Ion Ratio Lower Upper
164 100
166 127.6 106.6 159.8
129 90.6 79.9 119.9
131 86.1 75.8 113.8

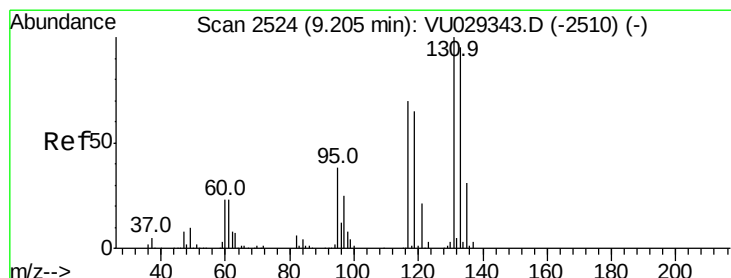
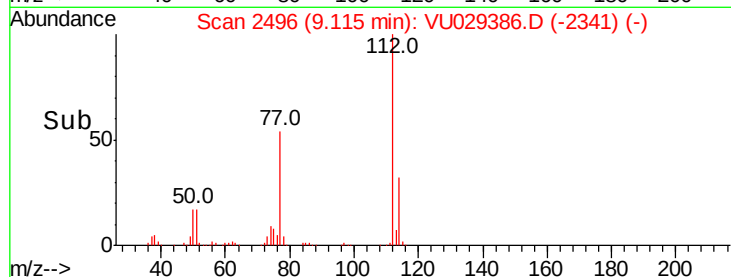
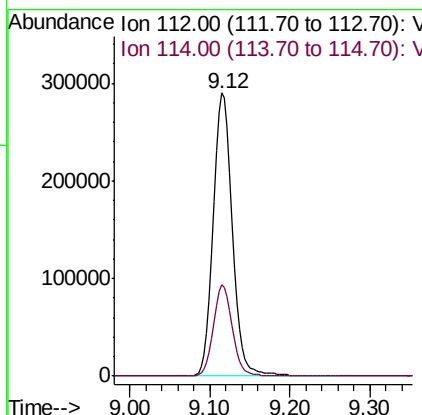
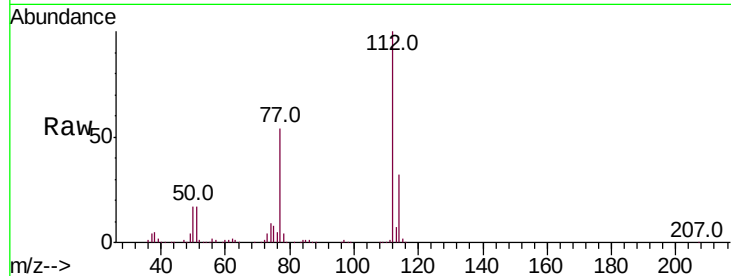




#59
Chlorobenzene
Concen: 11.430 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

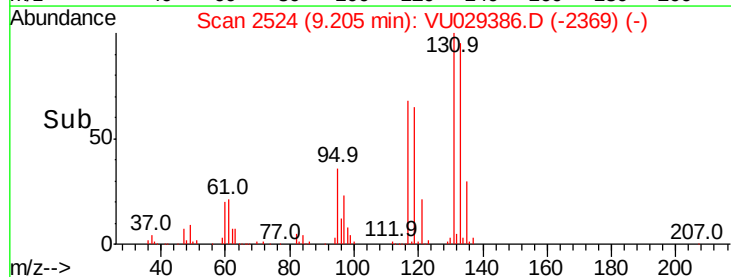
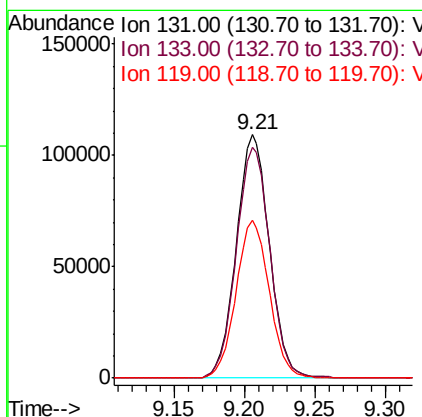
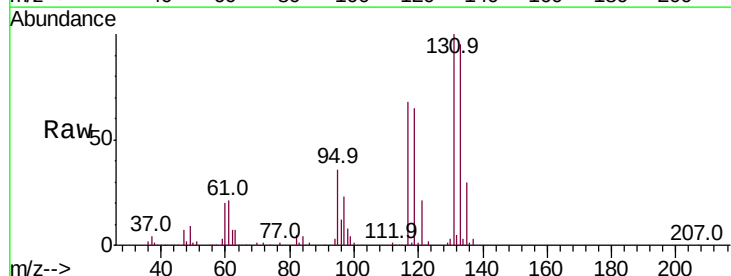
Instrument :
MSVOA_U
ClientSampleId :

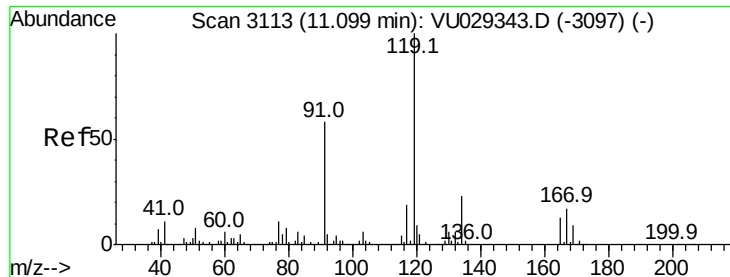
Tot Ion:112 Resp: 486869
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#60
1,1,1,2-Tetrachloroethane
Concen: 11.409 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion:131 Resp: 179569
Ion Ratio Lower Upper
131 100
133 96.7 77.3 115.9
119 65.4 48.9 73.3





#61

Pentachloroethane

Concen: 11.265 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

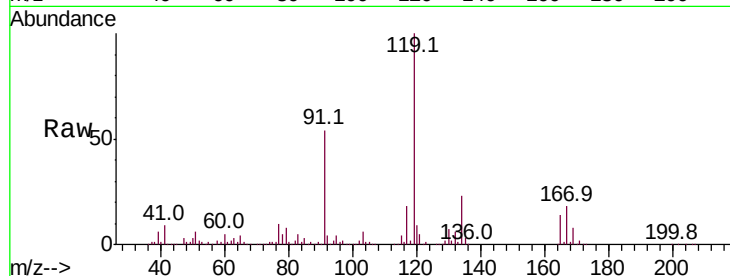
ClientSampleId :

Tot Ion:117 Resp: 137418

Ion Ratio Lower Upper

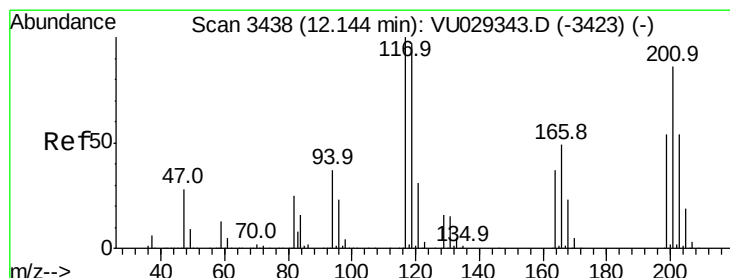
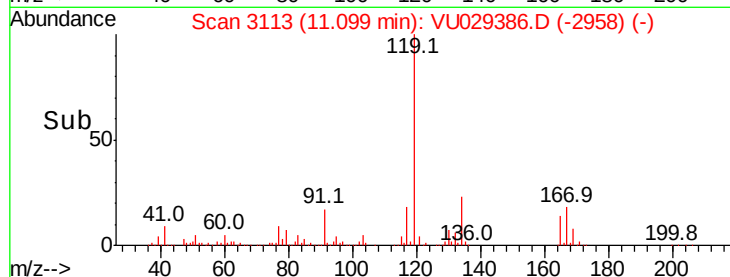
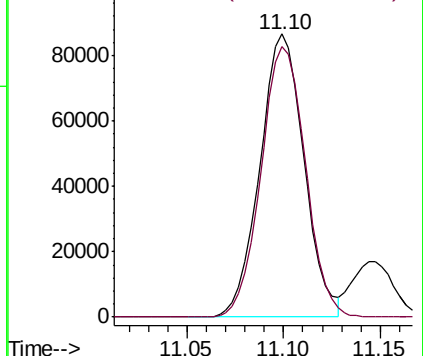
117 100

167 96.3 65.9 98.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 11.099 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. -0.00 min

Lab File: VU029386.D

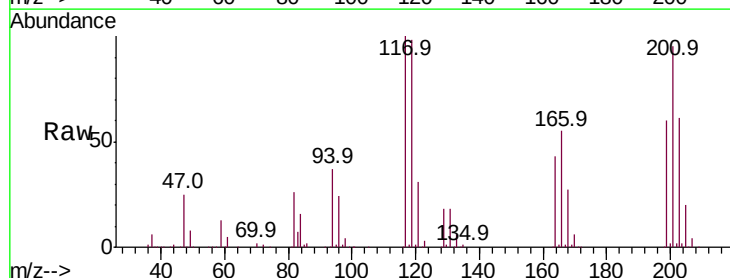
Acq: 08 Feb 2019 19:58

Tgt Ion:117 Resp: 147778

Ion Ratio Lower Upper

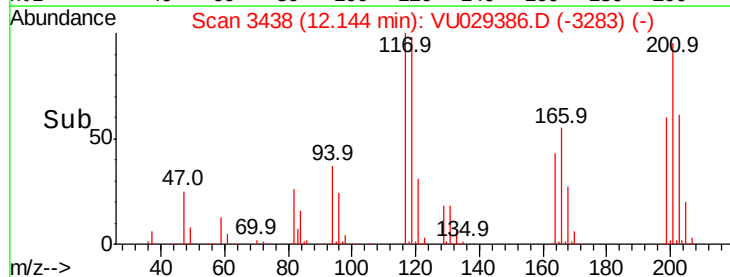
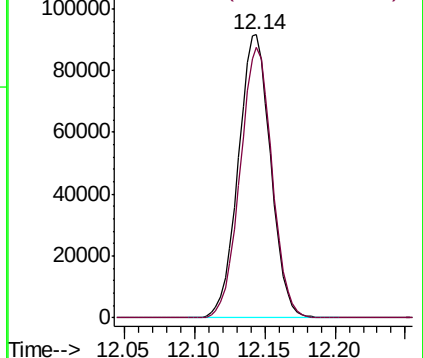
117 100

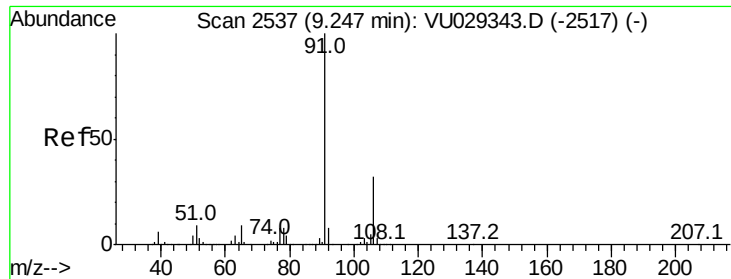
201 93.7 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

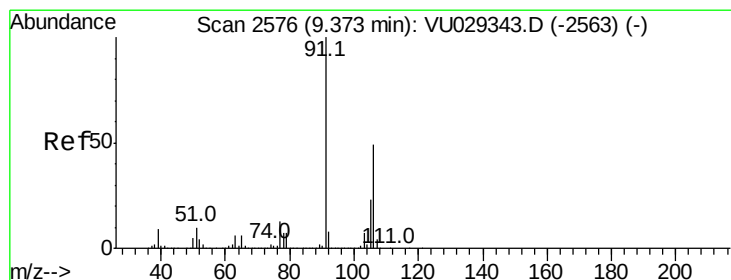
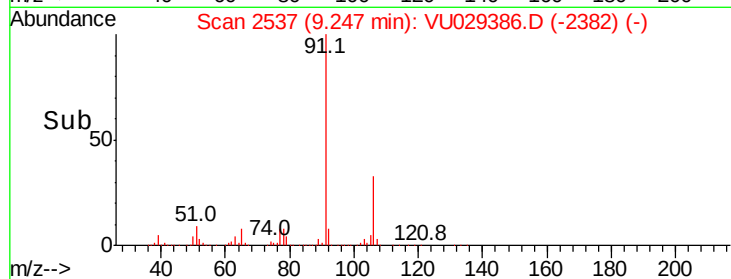
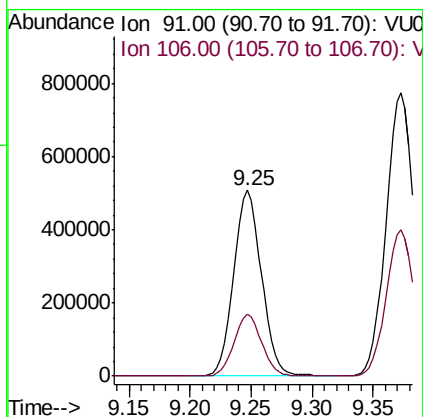
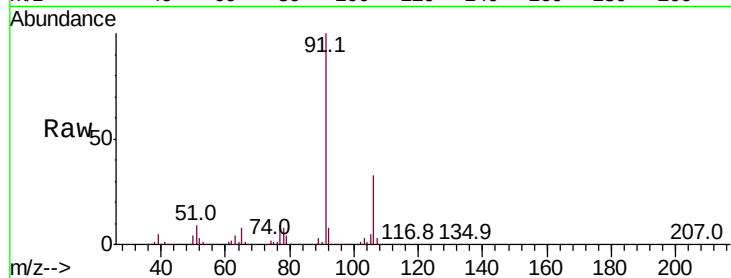




#63
Ethyl Benzene
Concen: 10.921 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

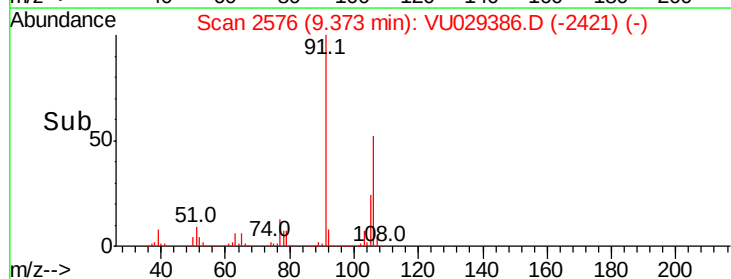
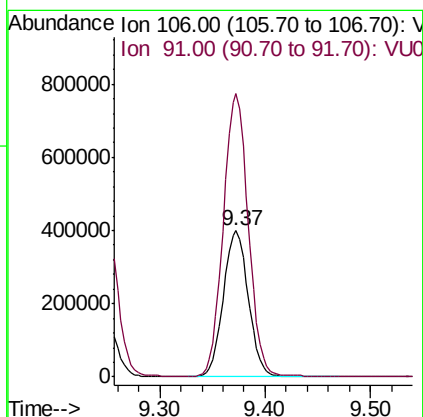
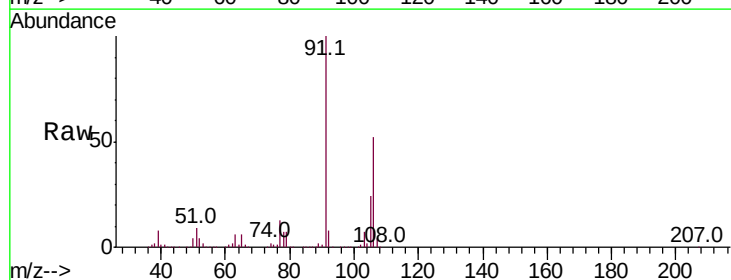
Instrument :
MSVOA_U
ClientSampled :

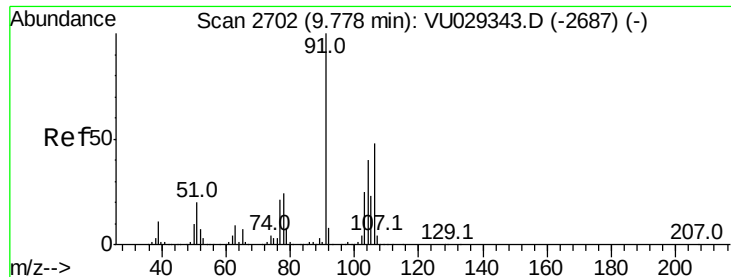
Tot Ion: 91 Resp: 807828
Ion Ratio Lower Upper
91 100
106 33.3 23.8 35.6



#64
m/p-Xylenes
Concen: 22.793 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion: 106 Resp: 655244
Ion Ratio Lower Upper
106 100
91 193.7 174.6 261.8





#65

o-Xylene

Concen: 11.286 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

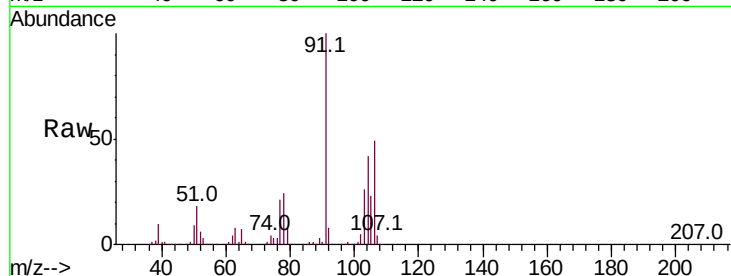
ClientSampleId :

Tot Ion:106 Resp: 318466

Ion Ratio Lower Upper

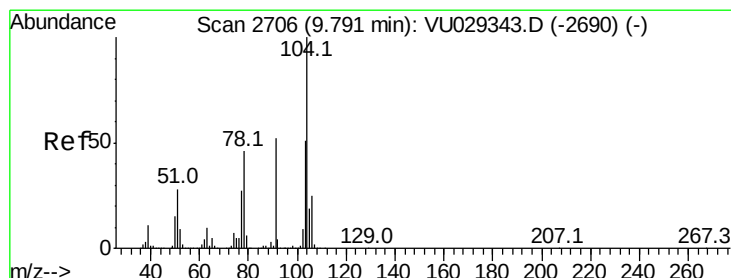
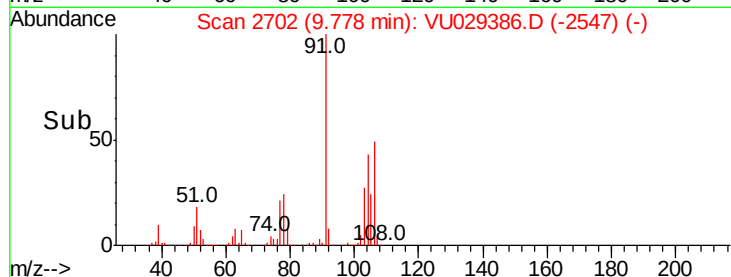
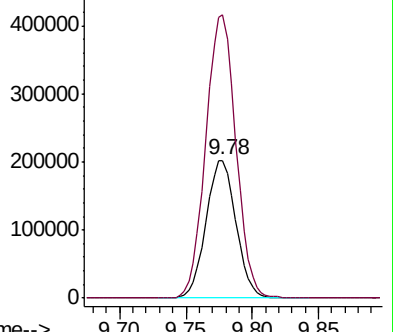
106 100

91 206.7 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.401 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

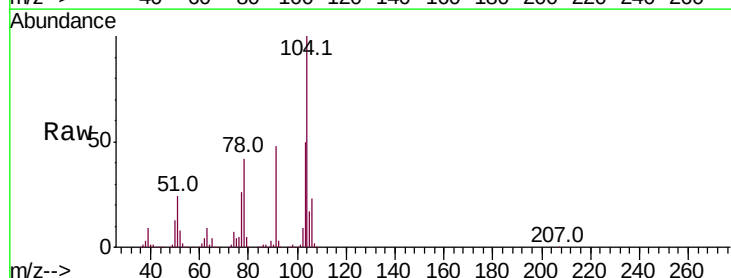
Tgt Ion:104 Resp: 536288

Ion Ratio Lower Upper

104 100

78 47.1 46.5 69.7

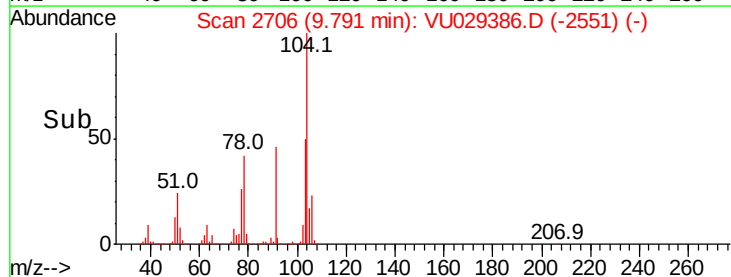
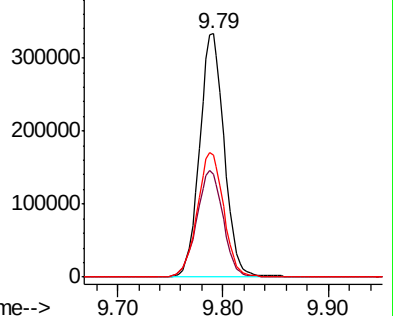
103 54.9 44.7 67.1

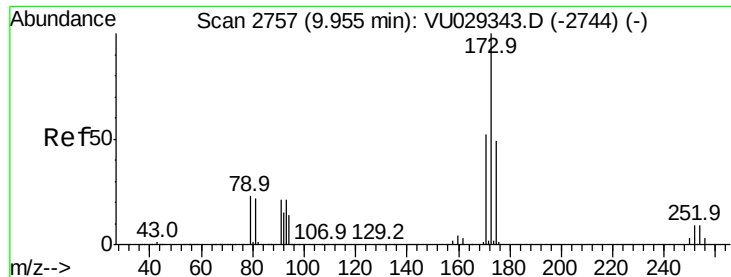


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

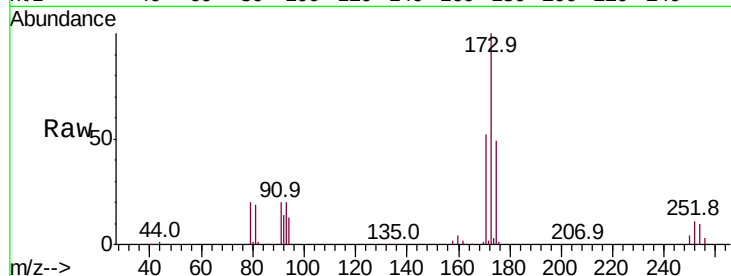




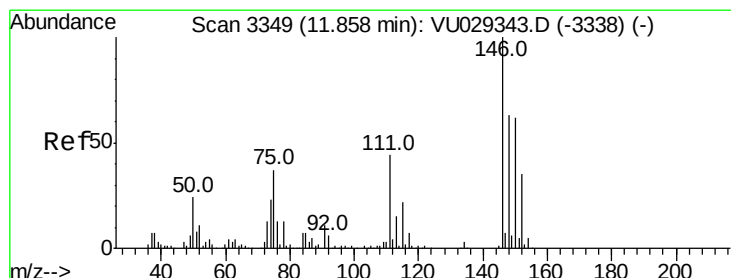
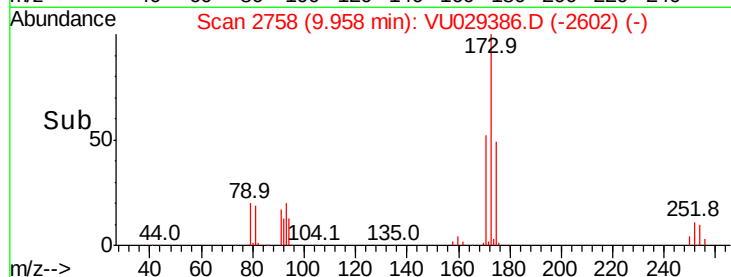
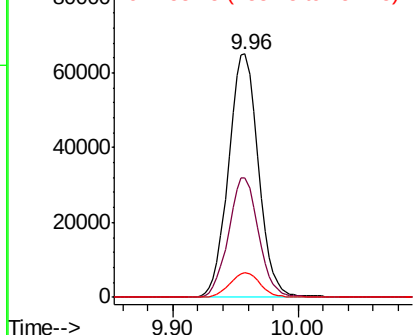
#67
Bromoform
Concen: 11.251 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 107891
Ion Ratio Lower Upper
173 100
175 49.4 38.9 58.3
254 10.3 7.4 11.2

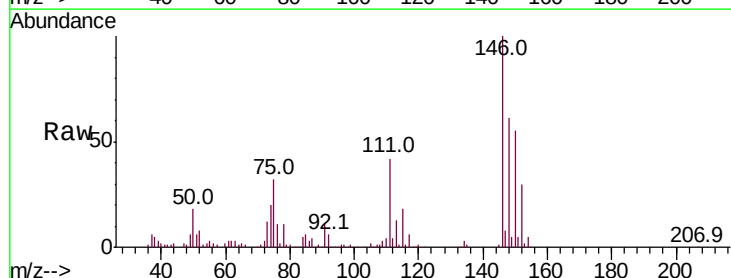


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

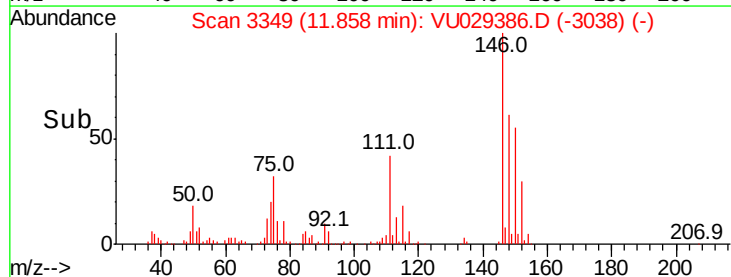
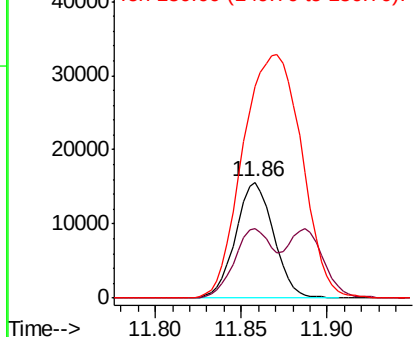


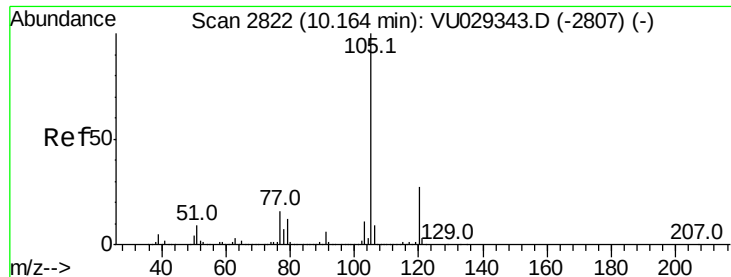
#68
1,2-Dichlorobenzene-d4
Concen: 11.251 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion:152 Resp: 24036
Ion Ratio Lower Upper
152 100
115 59.5 0.0 133.4
150 325.1 0.0 670.8



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: 11.231 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

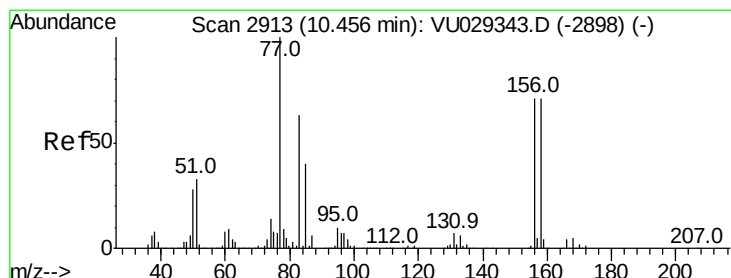
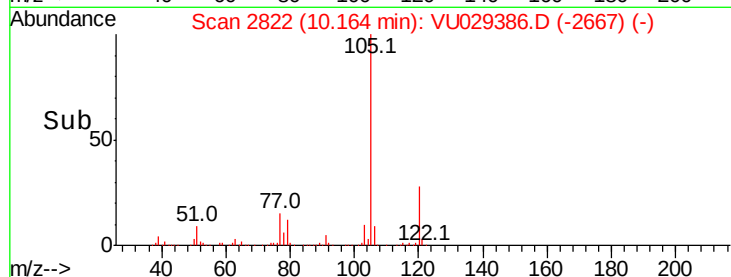
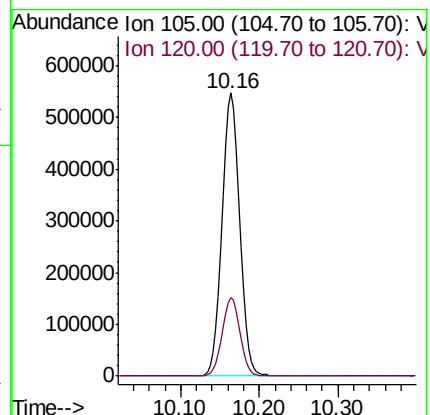
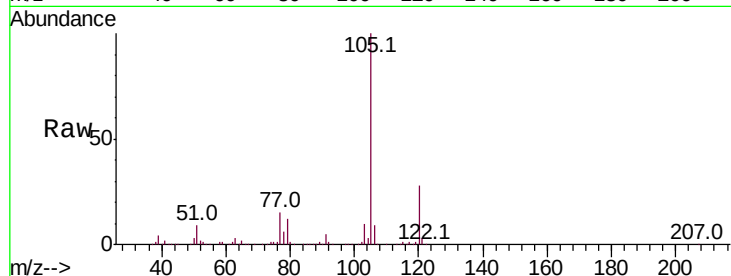
ClientSampleId :

Tot Ion:105 Resp: 846693

Ion Ratio Lower Upper

105 100

120 27.9 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 10.703 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

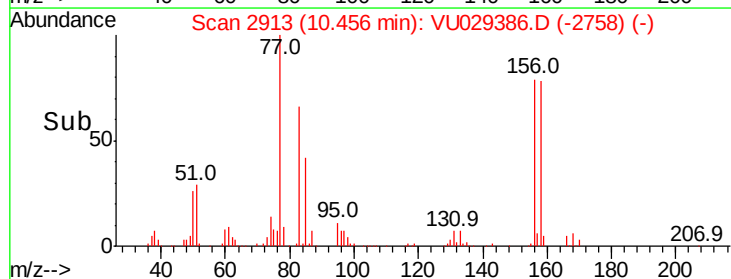
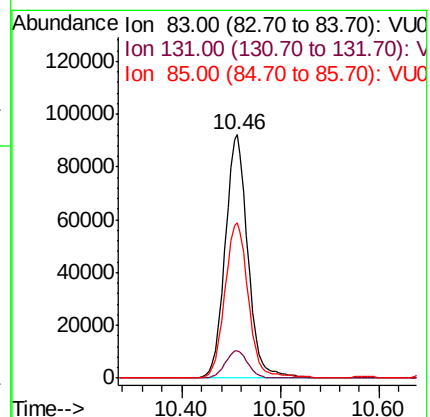
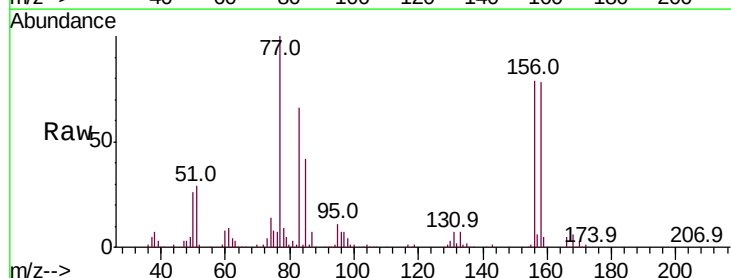
Tgt Ion: 83 Resp: 148767

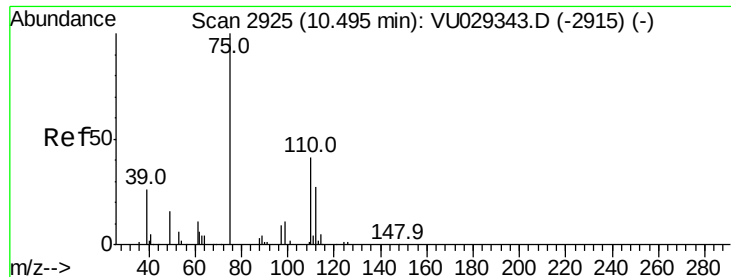
Ion Ratio Lower Upper

83 100

131 11.3 8.1 12.1

85 66.5 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 9.478 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 75 Resp: 90469

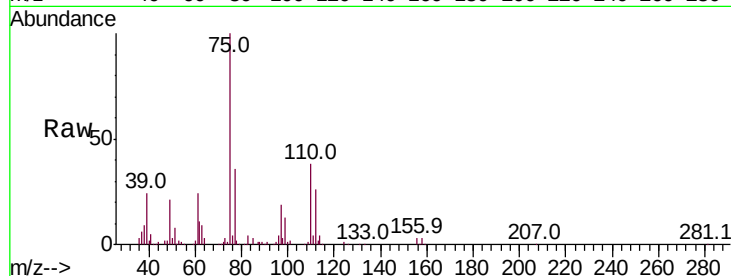
Ion Ratio Lower Upper

75 100

77 10.0 0.0 0.0#

110 46.3 0.0 63.6

97 24.2 0.0 31.4

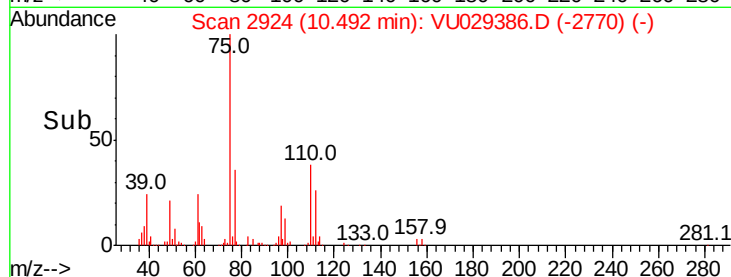


Abundance Ion 75.00 (74.70 to 75.70): VU0

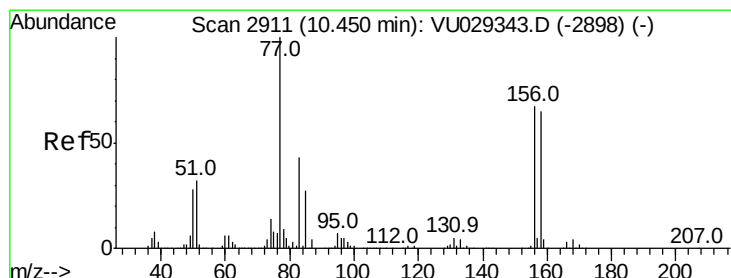
Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



Time-->



#72

Bromobenzene

Concen: 12.278 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

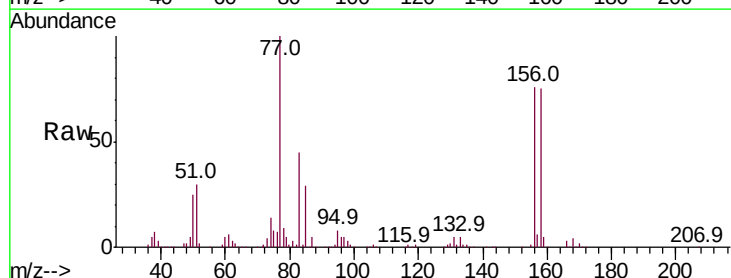
Tgt Ion: 156 Resp: 224365

Ion Ratio Lower Upper

156 100

77 131.3 0.0 343.8

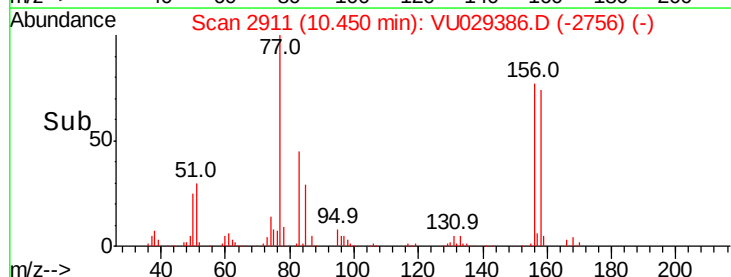
158 97.2 0.0 195.0



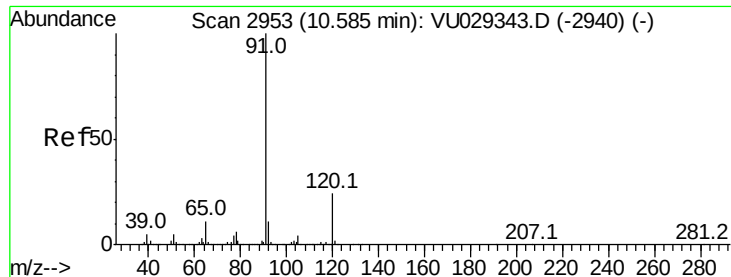
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



Time-->



#73

n-propylbenzene

Concen: 11.567 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

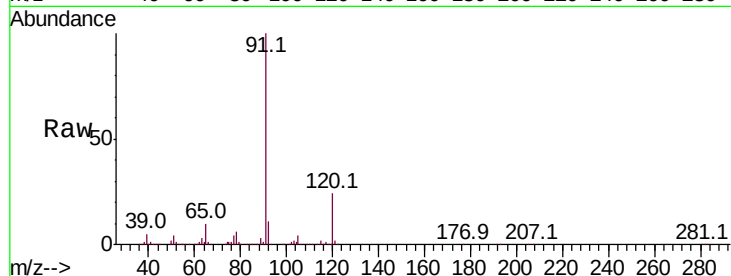
ClientSampled :

Tot Ion:120 Resp: 242889

Ion Ratio Lower Upper

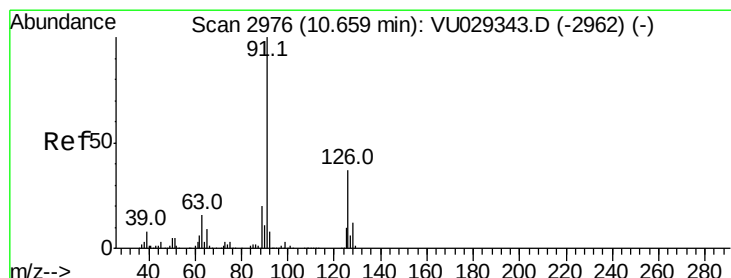
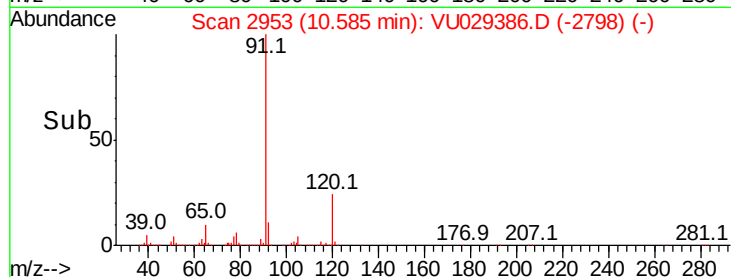
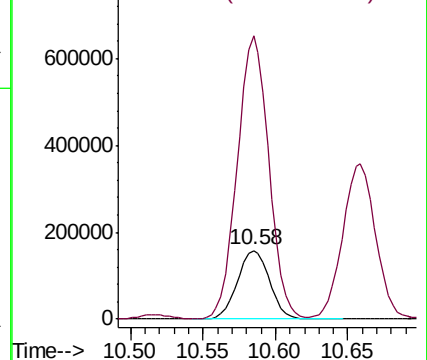
120 100

91 404.0 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.587 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029386.D

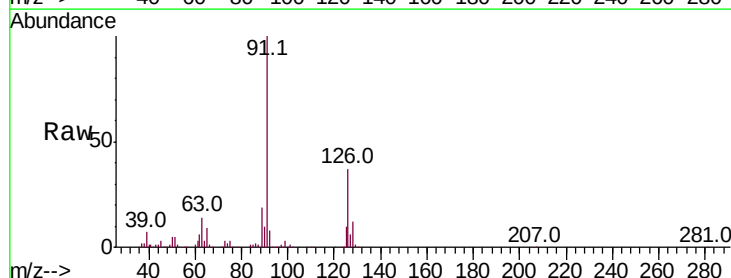
Acq: 08 Feb 2019 19:58

Tgt Ion:126 Resp: 207180

Ion Ratio Lower Upper

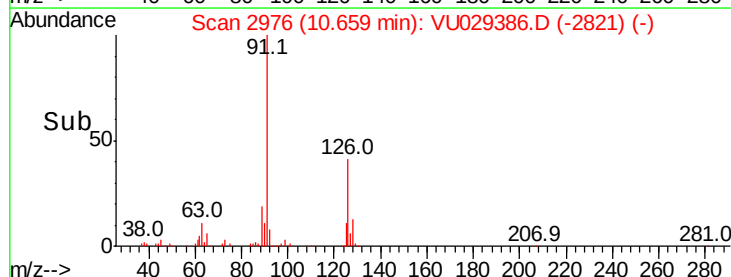
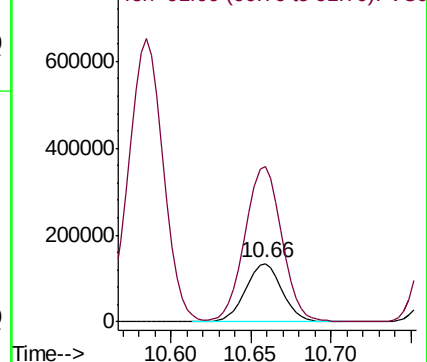
126 100

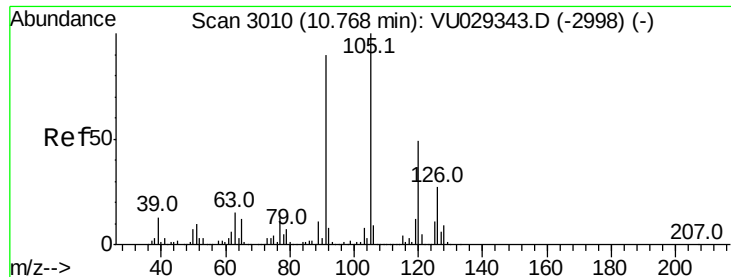
91 269.3 0.0 643.0



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: 11.034 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

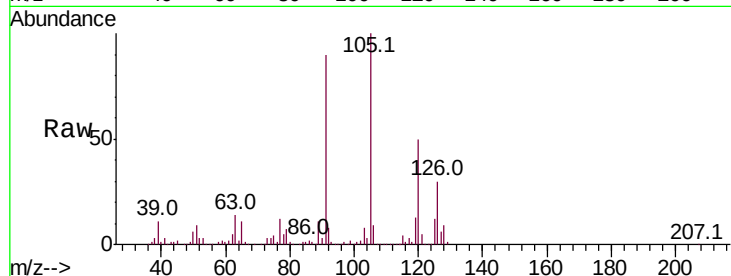
ClientSampleId :

Tot Ion:105 Resp: 717183

Ion Ratio Lower Upper

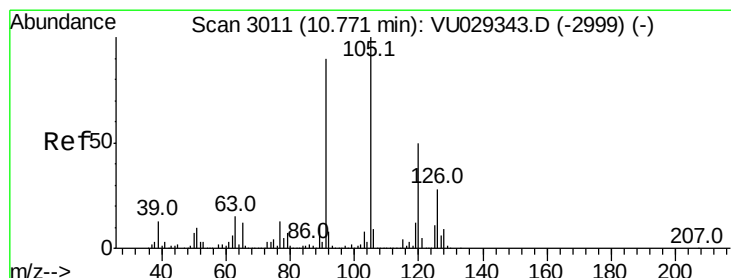
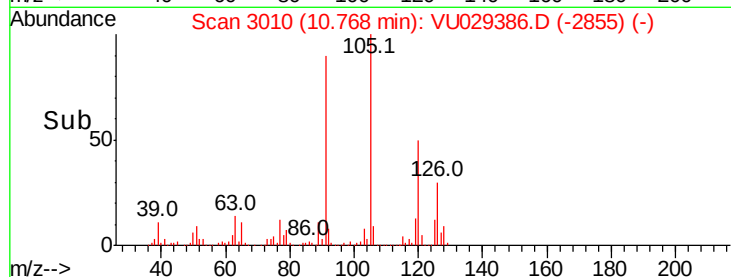
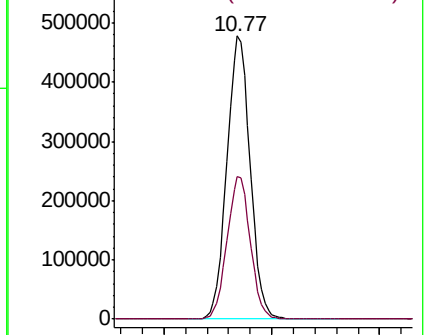
105 100

120 50.4 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.768 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029386.D

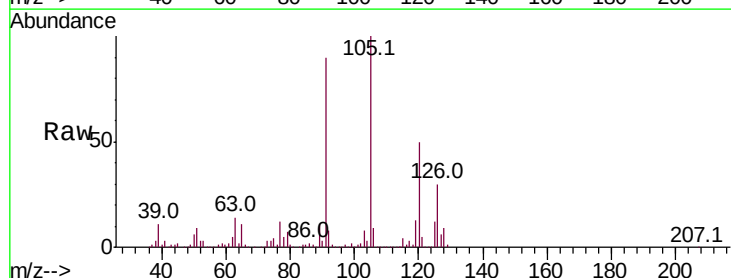
Acq: 08 Feb 2019 19:58

Tgt Ion:126 Resp: 218384

Ion Ratio Lower Upper

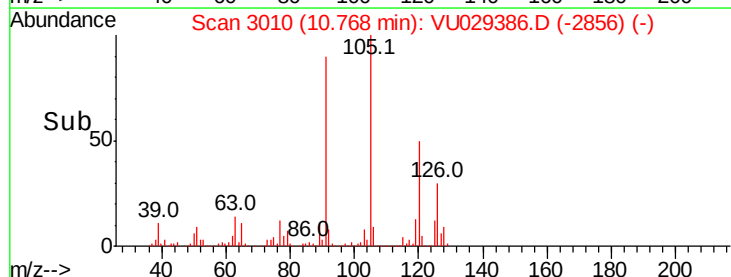
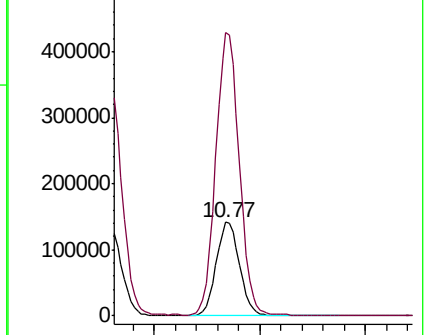
126 100

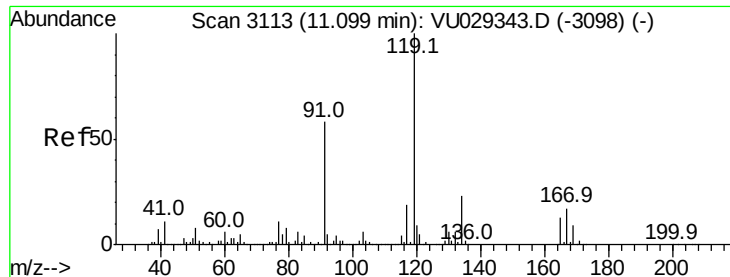
91 302.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 11.419 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

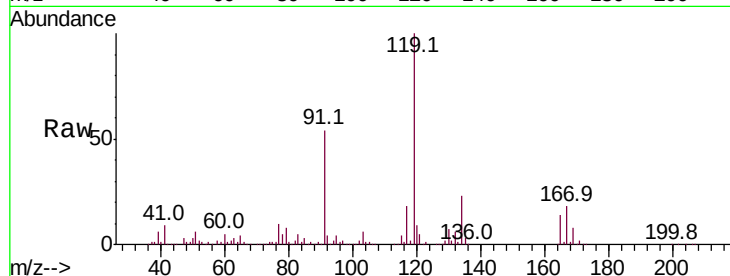
Tot Ion:119 Resp: 733660

Ion Ratio Lower Upper

119 100

91 54.9 32.2 96.6

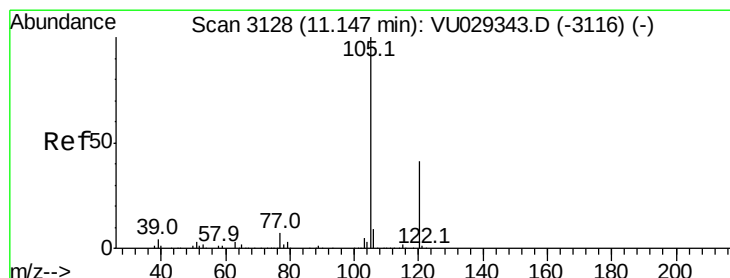
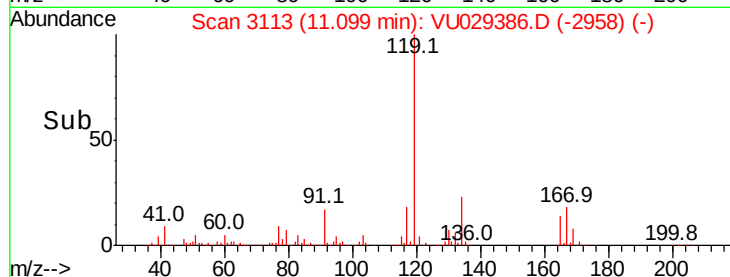
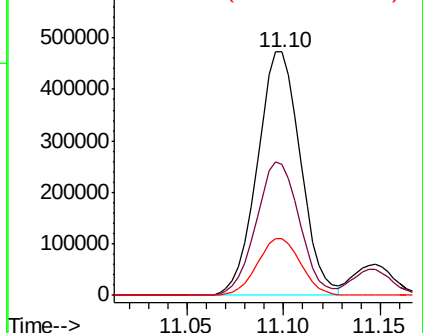
134 23.5 17.6 26.4



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: 11.196 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. -0.00 min

Lab File: VU029386.D

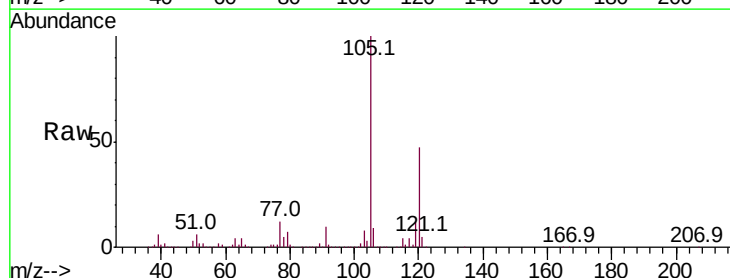
Acq: 08 Feb 2019 19:58

Tgt Ion:105 Resp: 736712

Ion Ratio Lower Upper

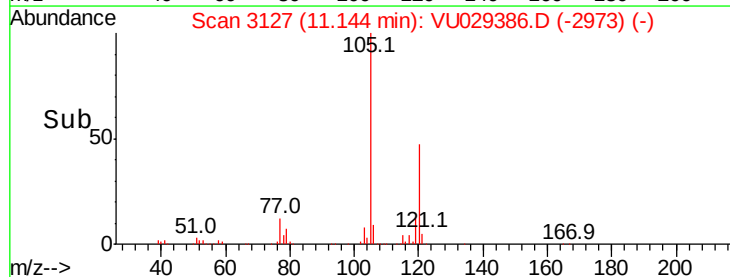
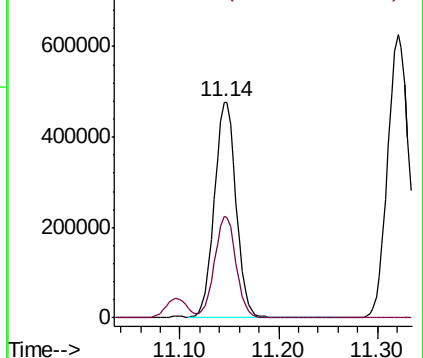
105 100

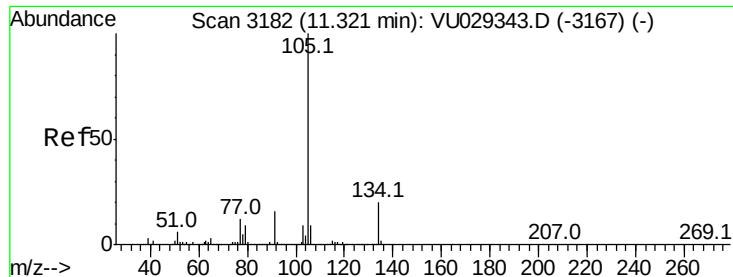
120 46.4 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.210 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

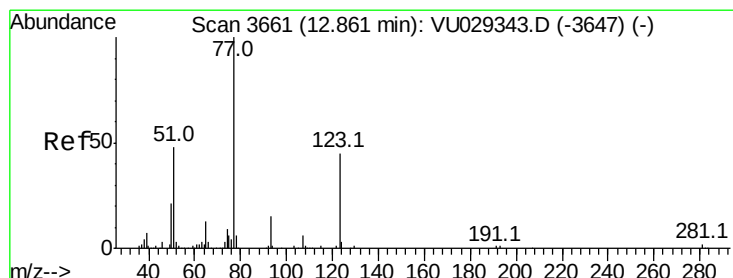
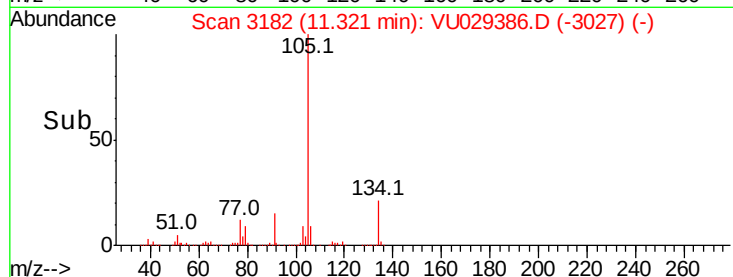
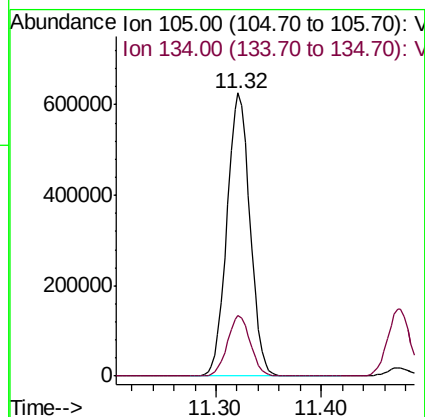
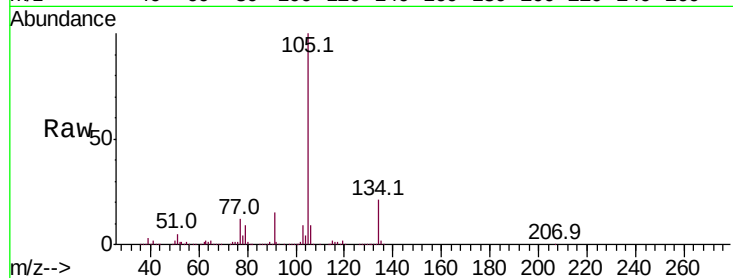
ClientSampleId :

Tot Ion:105 Resp: 942357

Ion Ratio Lower Upper

105 100

134 21.5 15.0 22.6



#80

Nitrobenzene

Concen: 39.103 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

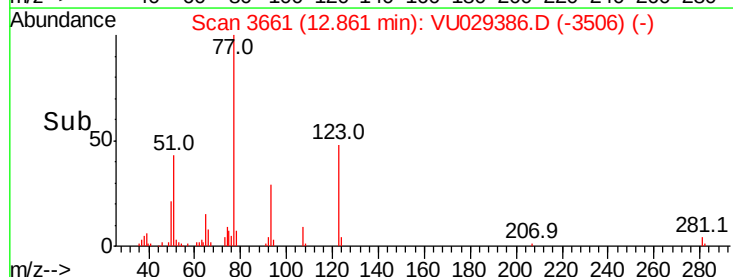
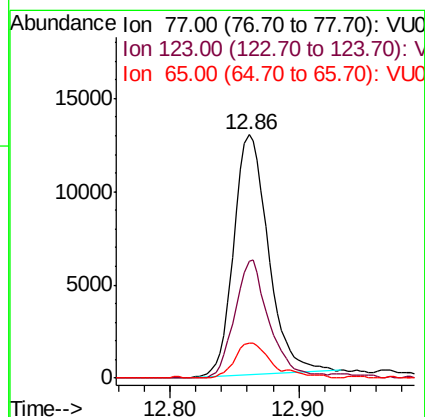
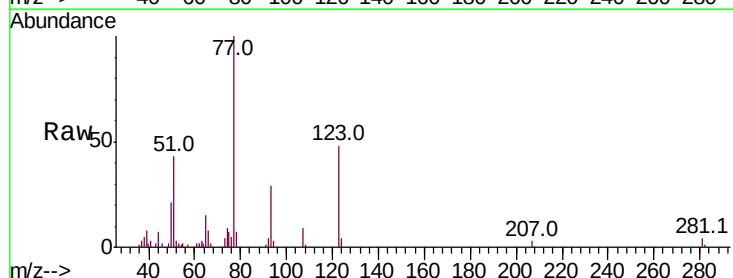
Tgt Ion: 77 Resp: 24216

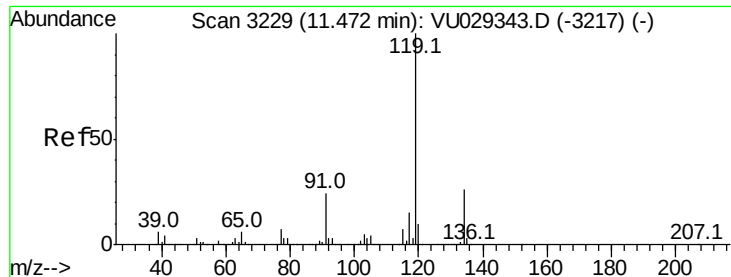
Ion Ratio Lower Upper

77 100

123 46.3 17.5 61.9

65 14.3 10.8 13.8#

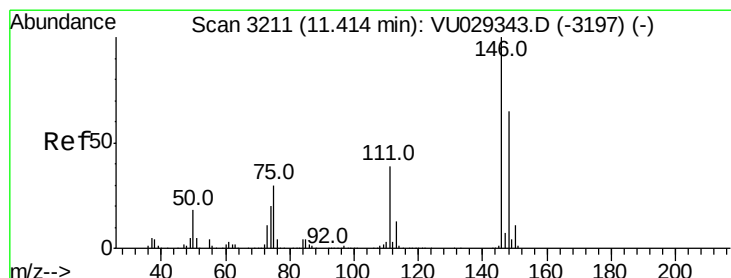
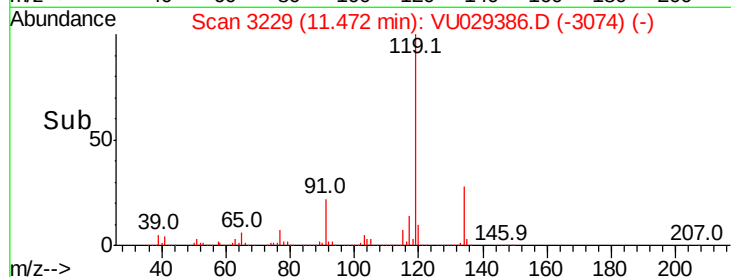
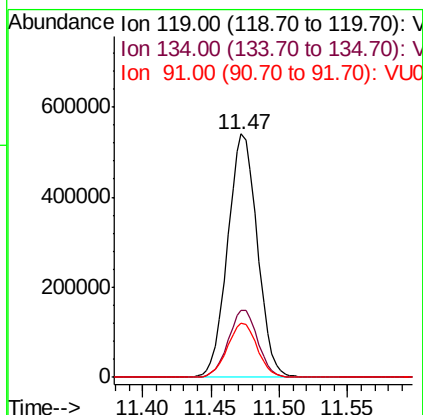
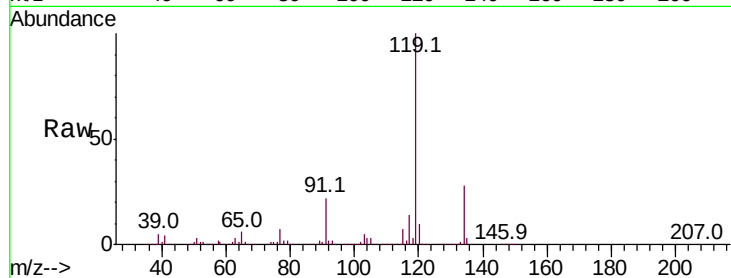




#81
 p-Isopropyltoluene
 Concen: 11.434 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

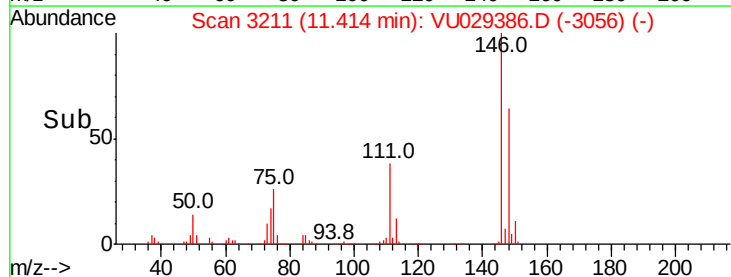
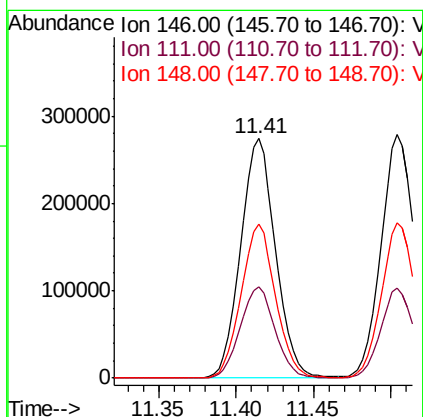
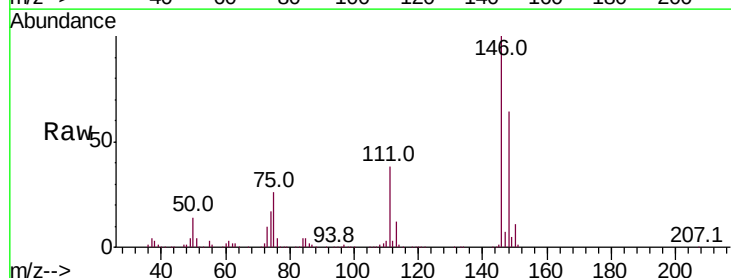
Instrument :
 MSVOA_U
 ClientSampled :

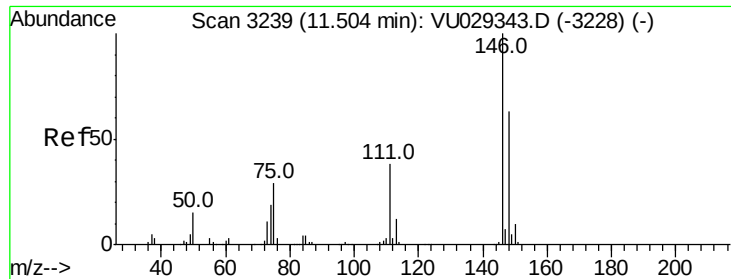
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	19.8	29.6
91	22.4	21.5	32.3



#82
 1,3-Dichlorobenzene
 Concen: 12.005 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	34.1	51.1
148	63.5	52.3	78.5

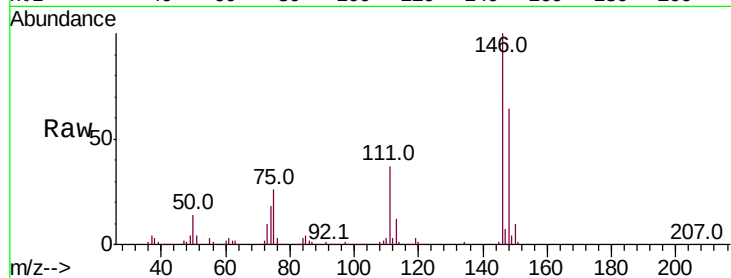




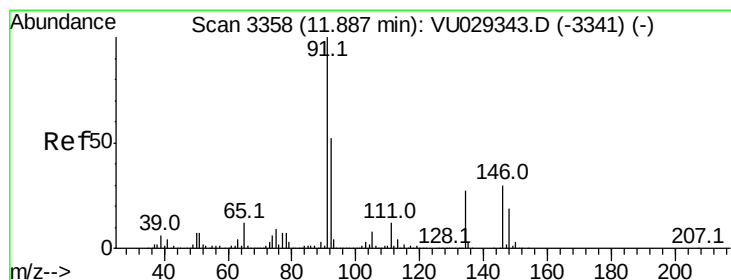
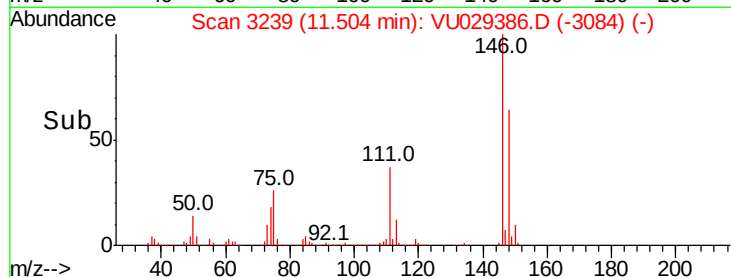
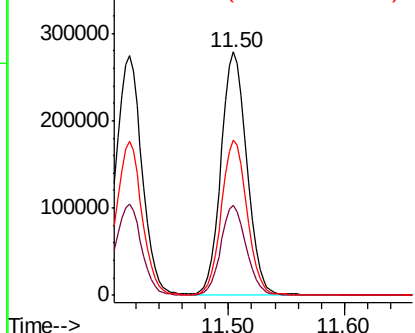
#83
1,4-Dichlorobenzene
Concen: 12.019 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	32.9	49.3
148	63.6	51.8	77.6

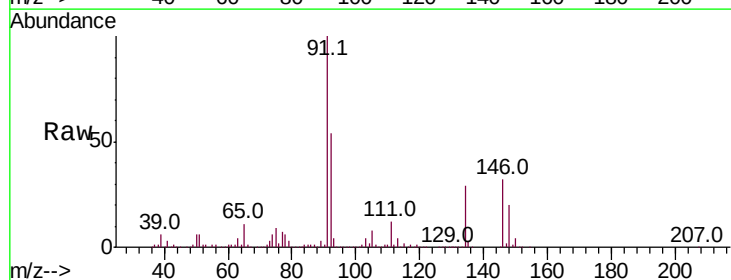


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

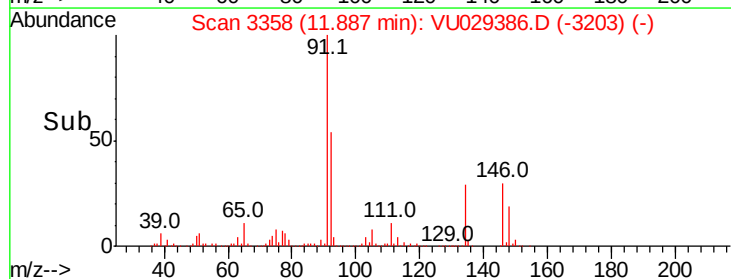
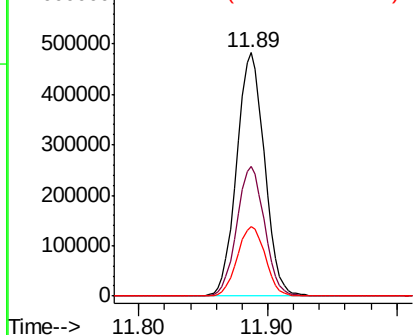


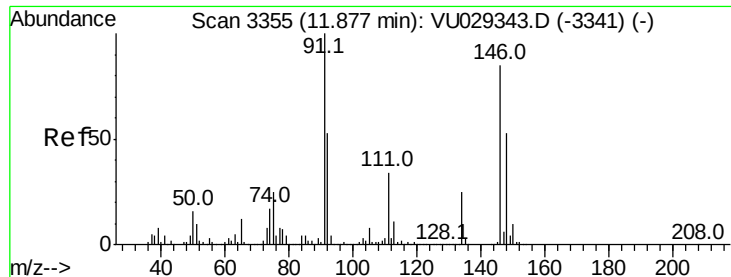
#84
n-Butylbenzene
Concen: 11.059 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029386.D
Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	41.0	61.6
134	29.0	19.1	28.7#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

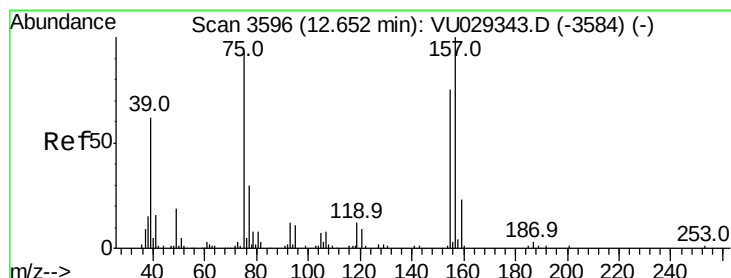
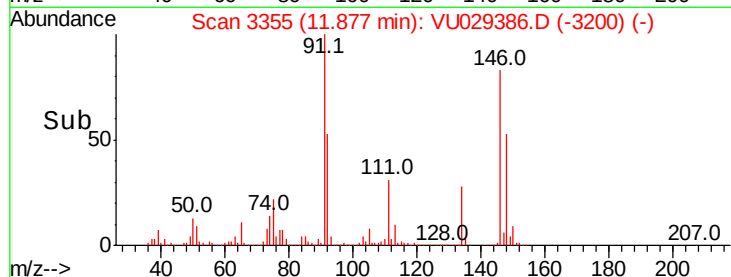
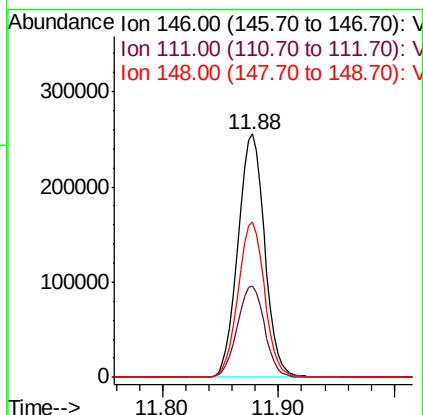
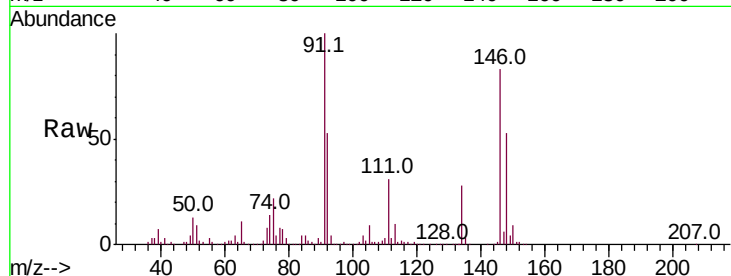




#85
 1,2-Dichlorobenzene
 Concen: 11.986 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

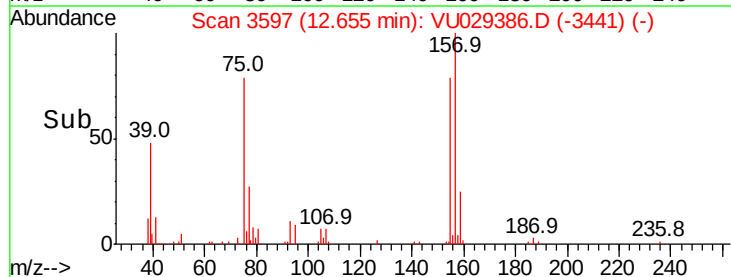
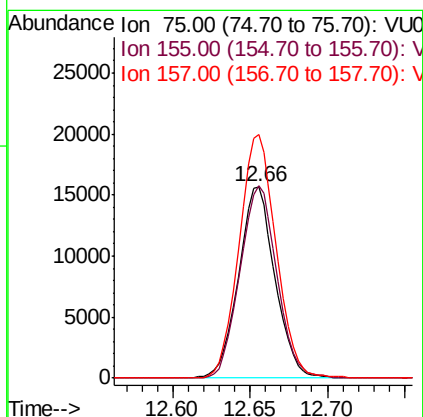
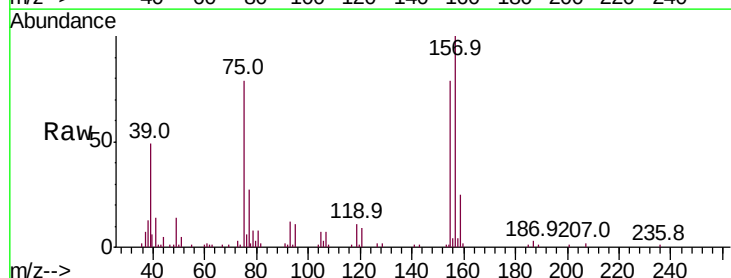
Instrument :
 MSVOA_U
 ClientSampleId :

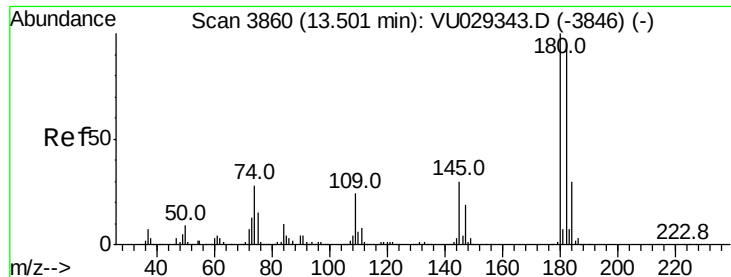
Tot Ion:146 Resp: 406287
 Ion Ratio Lower Upper
 146 100
 111 38.5 21.9 65.8
 148 63.6 31.8 95.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.878 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Tgt Ion: 75 Resp: 25624
 Ion Ratio Lower Upper
 75 100
 155 102.0 53.8 80.8#
 157 129.5 69.2 103.8#

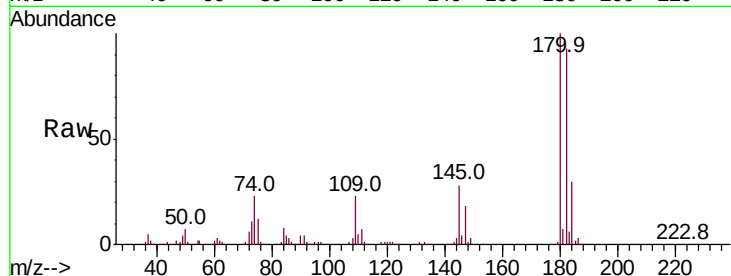




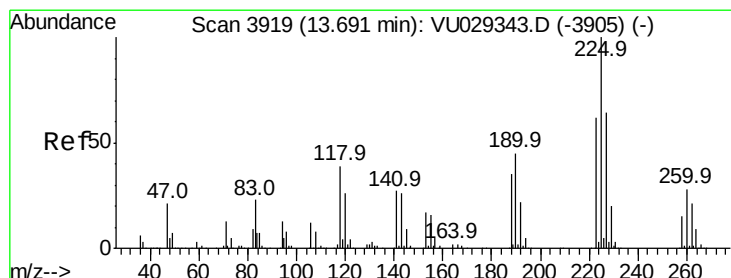
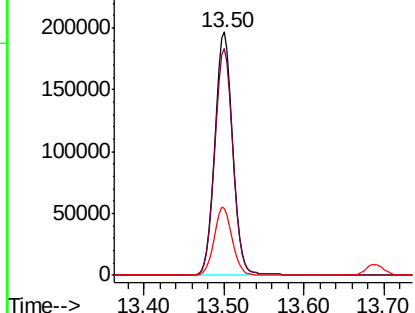
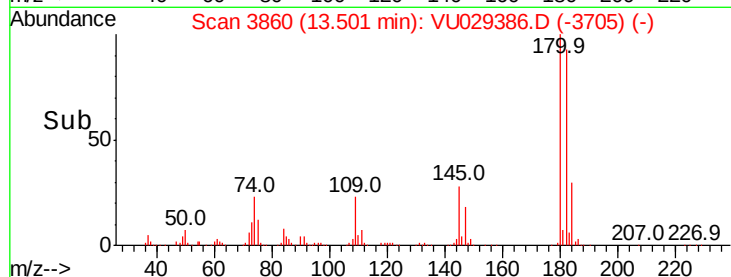
#87
 1,2,4-Trichlorobenzene
 Concen: 12.950 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	28.1	24.6	36.8

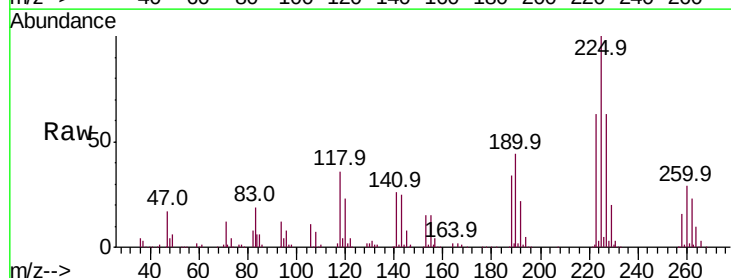


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

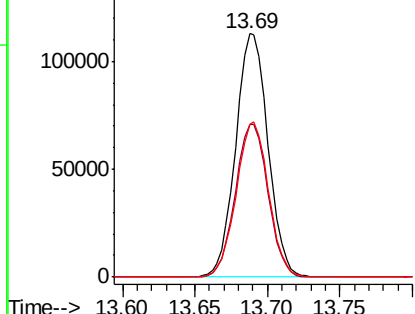
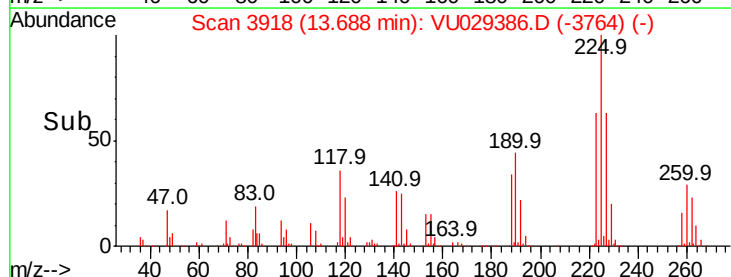


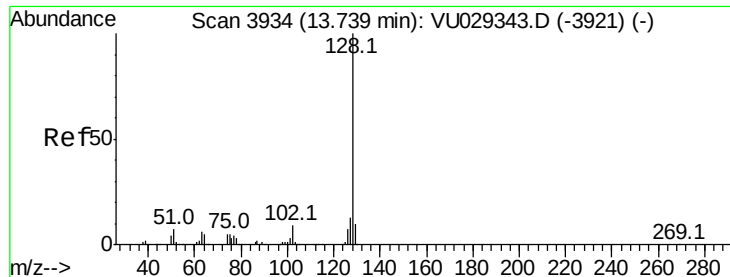
#88
 Hexachlorobutadiene
 Concen: 12.695 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029386.D
 Acq: 08 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.4	50.4	75.6



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: 12.310 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

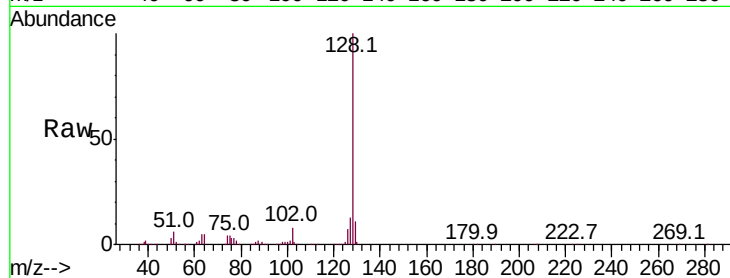
Tot Ion:128 Resp: 497088

Ion Ratio Lower Upper

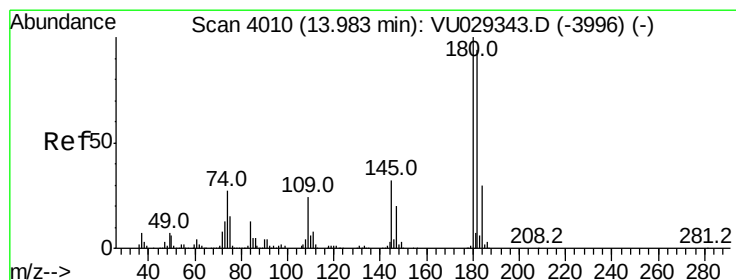
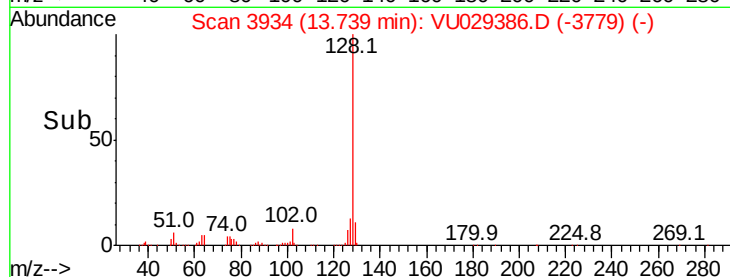
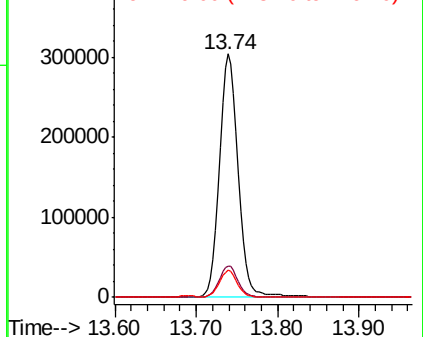
128 100

127 12.9 10.7 16.1

129 10.5 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: 12.517 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029386.D

Acq: 08 Feb 2019 19:58

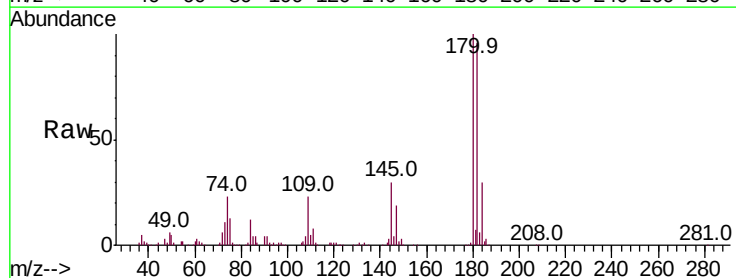
Tgt Ion:180 Resp: 272369

Ion Ratio Lower Upper

180 100

182 95.5 78.0 117.0

145 30.1 26.6 39.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

