

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029384.D
 Acq On : 08 Feb 2019 17:46
 Operator : JC/SP
 Sample : VU0208WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:21:30 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	51149	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	19726	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21911	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	37525	1.966	ug/l 99
3) Chloromethane	1.33	50	31810	1.824	ug/l 94
4) Vinyl Chloride	1.40	62	39705	1.942	ug/l 96
5) Bromomethane	1.63	94	27617	2.428	ug/l 97
6) Chloroethane	1.70	64	23151	1.938	ug/l 99
7) Trichlorofluoromethane	1.88	101	63263	2.215	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	34915	2.316	ug/l 89
9) 1,1-Dichloroethene	2.28	96	32620	2.211	ug/l 72
10) Iodomethane	2.41	142	29217	1.583	ug/l # 78
11) Allyl Chloride	2.59	41	47762	1.930	ug/l 91
12) Acrylonitrile	2.94	53	14225	4.301	ug/l 90
13) Acetone	2.32	43	28569	8.964	ug/l # 80
14) Carbon Disulfide	2.48	76	108878	2.090	ug/l 98
15) Methylene Chloride	2.70	84	38093	2.129	ug/l # 76
16) trans-1,2-Dichloroethene	2.98	96	36655	2.221	ug/l # 78
17) 1,1-Dichloroethane	3.44	63	50553	1.933	ug/l # 93
18) 2-Butanone	4.28	43	32366	9.086	ug/l 98
19) Cyclohexane	4.99	56	38074	1.570	ug/l # 85
20) Methylcyclohexane	6.41	83	52402	2.058	ug/l # 81
21) 2,2-Dichloropropane	4.22	77	47177	1.949	ug/l # 87
22) cis-1,2-Dichloroethene	4.22	96	33886	2.180	ug/l 74
23) Diethyl Ether	2.10	59	24252	2.047	ug/l 88
24) tert-Butyl Alcohol	2.84	59	26322	21.376	ug/l 100
25) Methyl tert-Butyl Ether	3.00	73	89509	2.154	ug/l # 85
26) Bromochloromethane	4.55	128	14636	2.132	ug/l 71
27) Chloroform	4.67	83	53109	2.089	ug/l 98
28) 1,1,1-Trichloroethane	4.91	97	48749	2.068	ug/l 95
29) 1,1-Dichloropropene	5.13	75	41134	2.010	ug/l 89
30) Carbon Tetrachloride	5.13	117	44106	2.067	ug/l 98
31) Isopropyl Ether	3.58	45	75946	1.925	ug/l 91
32) Ethyl-t-butyl ether	4.08	59	77348	1.956	ug/l 89
33) Tert-Amyl methyl ether	5.58	73	72150	2.018	ug/l 98
34) Propionitrile	4.34	54	9305	9.937	ug/l # 86
35) Benzene	5.39	78	116042	2.051	ug/l 99
36) 1,2-Dichloroethane	5.41	62	33704	1.969	ug/l # 90
37) Trichloroethene	6.18	130	36301	2.236	ug/l 87
38) 1,2-Dichloropropane	6.43	63	29764	2.022	ug/l 95
39) Methacrylonitrile	4.56	41	8470	1.766	ug/l # 82
40) Methyl acrylate	4.43	55	12874	1.779	ug/l # 84
41) Tetrahydrofuran	4.66	42	7936	3.286	ug/l # 69
42) 1-Chlorobutane	5.06	56	52491	1.915	ug/l 85

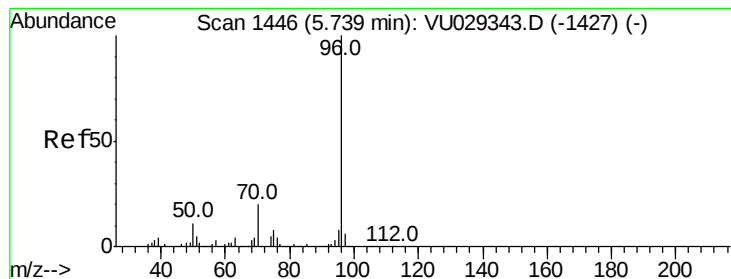
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029384.D
 Acq On : 08 Feb 2019 17:46
 Operator : JC/SP
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 Misc : 25.0mL/MSVOA U/WATER
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:21:30 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	16011	2.041	ug/l	87
44) Bromodichloromethane	6.76	83	40235	2.013	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	82528	8.975	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.49	75	16597	3.705	ug/l #	82
47) Methyl methacrylate	6.63	69	28502	4.130	ug/l #	70
48) Ethyl methacrylate	8.02	69	27753	1.874	ug/l	77
49) Toluene	7.63	92	74408	2.055	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	35794	1.827	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	45033	1.935	ug/l #	87
52) 1,1,2-Trichloroethane	8.07	97	20797	2.003	ug/l	92
53) 1,3-Dichloropropane	8.24	76	36611	2.007	ug/l	100
54) 2-Hexanone	8.37	43	56682	8.794	ug/l	85
55) Dibromochloromethane	8.48	129	29670	2.010	ug/l	99
56) 1,2-Dibromoethane	8.59	107	23025	2.161	ug/l	95
58) Tetrachloroethene	8.22	164	35180	2.328	ug/l	90
59) Chlorobenzene	9.12	112	88148	2.161	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	32517	2.158	ug/l	97
61) Pentachloroethane	11.10	117	23873	2.044	ug/l	88
62) Hexachloroethane	12.14	117	23708	1.860	ug/l	91
63) Ethyl Benzene	9.25	91	146782	2.072	ug/l	94
64) m/p-Xylenes	9.37	106	118510	4.305	ug/l	84
65) o-Xylene	9.78	106	56890	2.105	ug/l	87
66) Styrene	9.79	104	94497	2.098	ug/l	92
67) Bromoform	9.96	173	18636	2.030	ug/l	98
69) Isopropylbenzene	10.16	105	152159	2.108	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	27762	2.086	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	16597	1.816	ug/l #	79
72) Bromobenzene	10.45	156	39473	2.256	ug/l	84
73) n-propylbenzene	10.59	120	44163	2.196	ug/l	74
74) 2-Chlorotoluene	10.66	126	37112	2.168	ug/l	75
75) 1,3,5-Trimethylbenzene	10.77	105	126464	2.032	ug/l	94
76) 4-Chlorotoluene	10.77	126	38808	2.184	ug/l	71
77) tert-Butylbenzene	11.10	119	130107	2.115	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	129899	2.062	ug/l	95
79) sec-Butylbenzene	11.32	105	169259	2.103	ug/l	95
80) Nitrobenzene	12.87	77	2979	5.024	ug/l #	94
81) p-Isopropyltoluene	11.47	119	145095	2.127	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	76025	2.215	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	76560	2.239	ug/l	95
84) n-Butylbenzene	11.89	91	127814	2.041	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	71711	2.209	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4561	1.836	ug/l #	58
87) 1,2,4-Trichlorobenzene	13.50	180	49260	2.161	ug/l	99
88) Hexachlorobutadiene	13.69	225	30550	2.314	ug/l	98
89) Naphthalene	13.74	128	85693	2.216	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	49995	2.399	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: VU029384.D

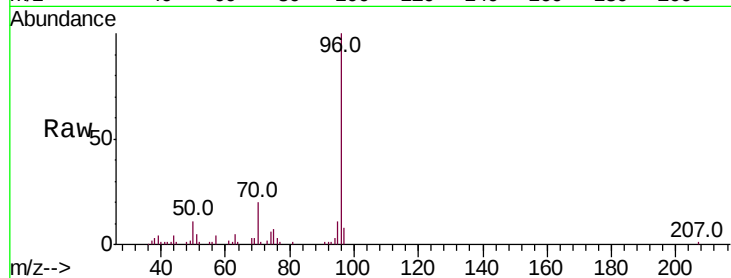
Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

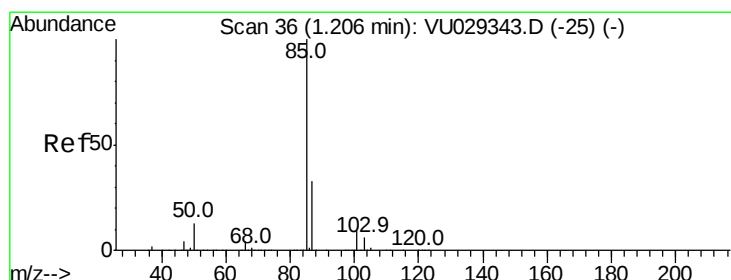
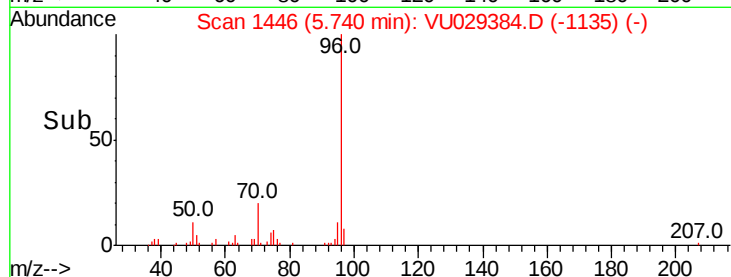
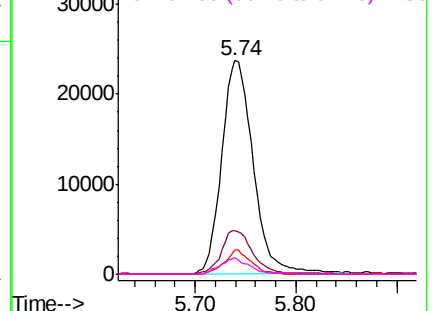
Tot Ion: 96 Resp: 51149

Ion Ratio Lower Upper

96	100		
70	19.7	16.2	24.2
95	9.6	7.4	11.2
97	6.5	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: 1.966 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

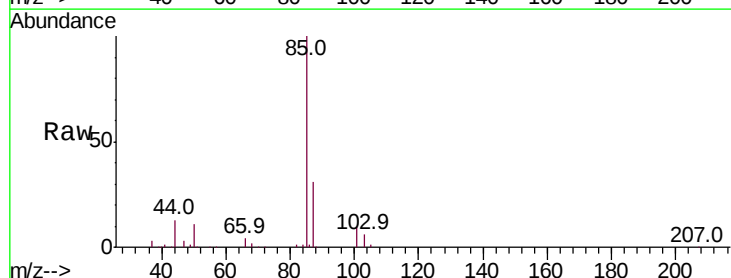
Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

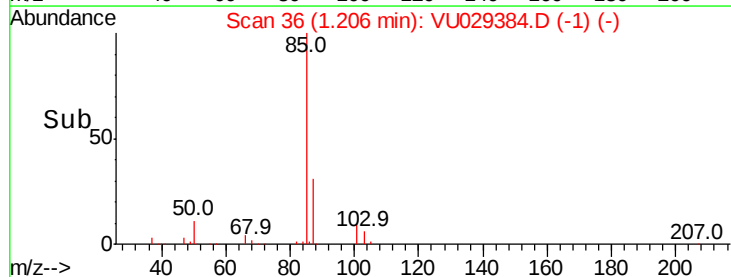
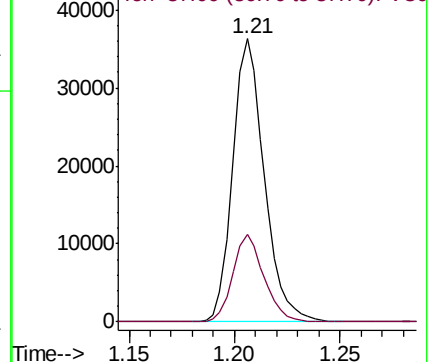
Tgt Ion: 85 Resp: 37525

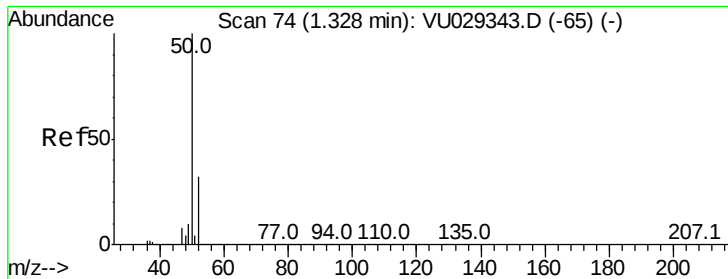
Ion Ratio Lower Upper

85	100		
87	30.9	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: 1.824 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

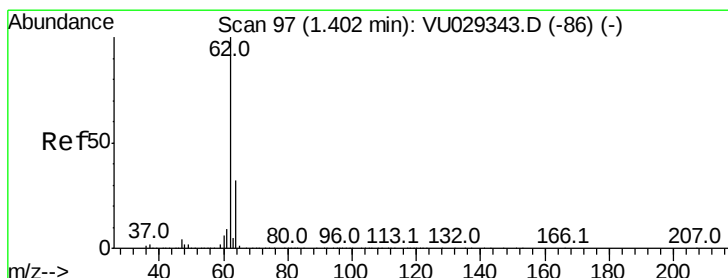
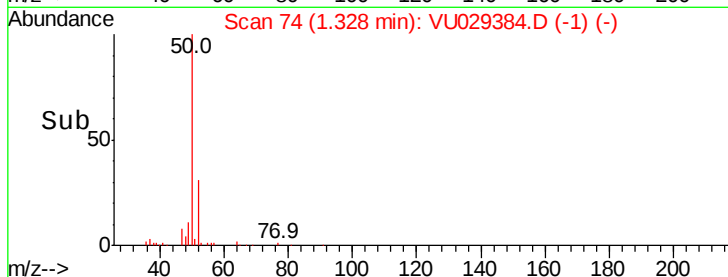
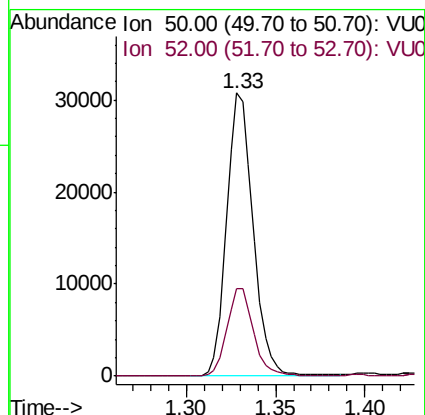
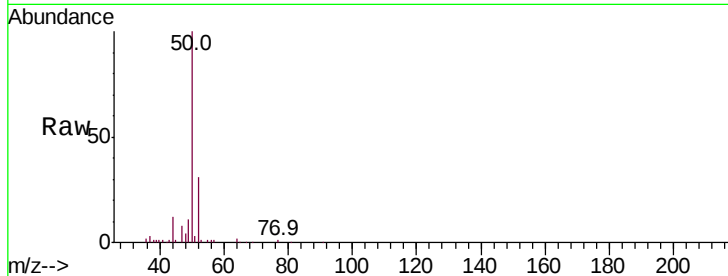
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 31810

Ion Ratio Lower Upper

50 100

52 30.8 27.3 40.9



#4

Vinyl Chloride

Concen: 1.942 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029384.D

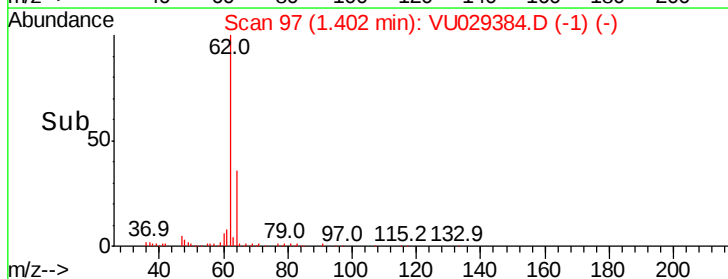
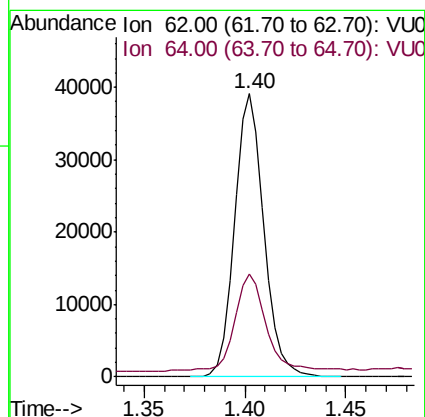
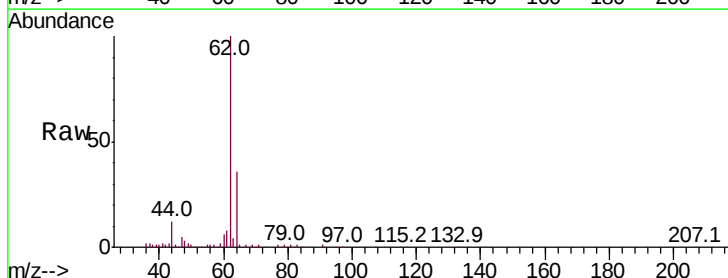
Acq: 08 Feb 2019 17:46

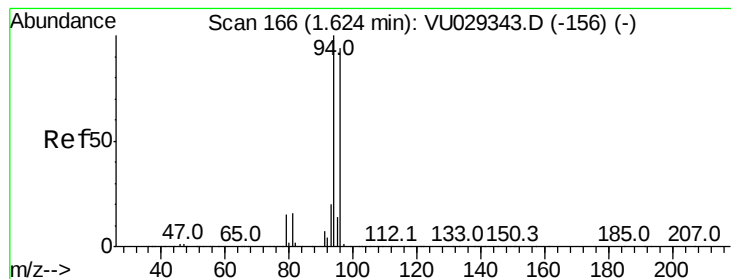
Tgt Ion: 62 Resp: 39705

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8





#5

Bromomethane

Concen: 2.428 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

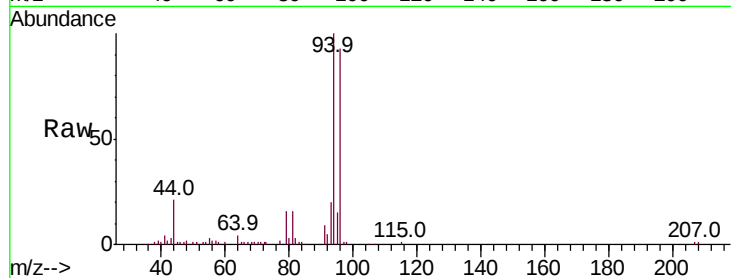
ClientSampleId :

Tot Ion: 94 Resp: 27617

Ion Ratio Lower Upper

94 100

96 92.6 71.7 107.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

25000

20000

15000

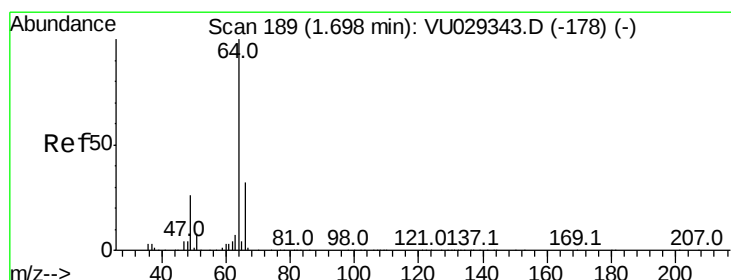
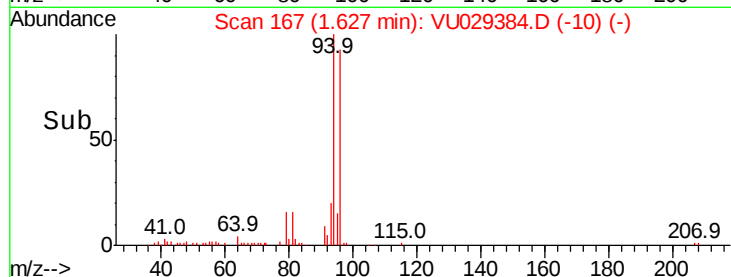
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 1.938 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029384.D

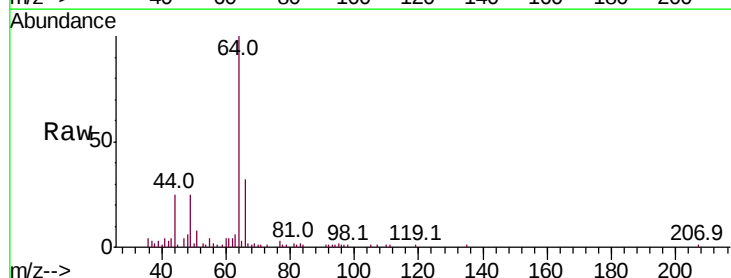
Acq: 08 Feb 2019 17:46

Tgt Ion: 64 Resp: 23151

Ion Ratio Lower Upper

64 100

66 32.2 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

20000

15000

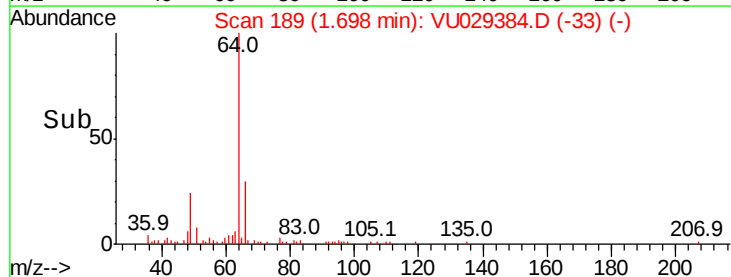
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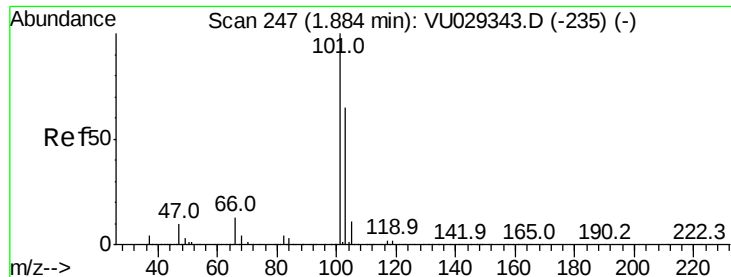
5000

0

Time-->

1.65 1.70 1.75



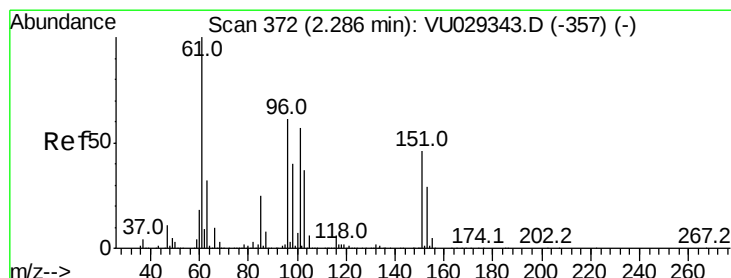
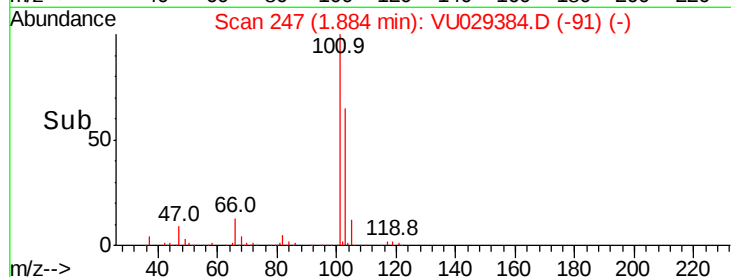
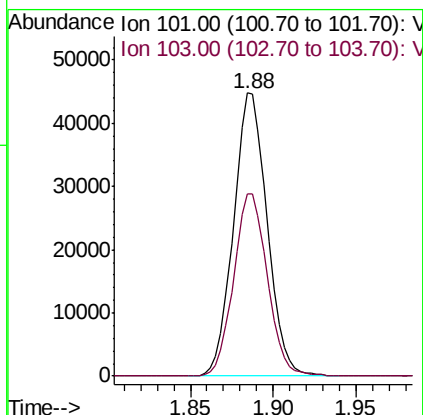
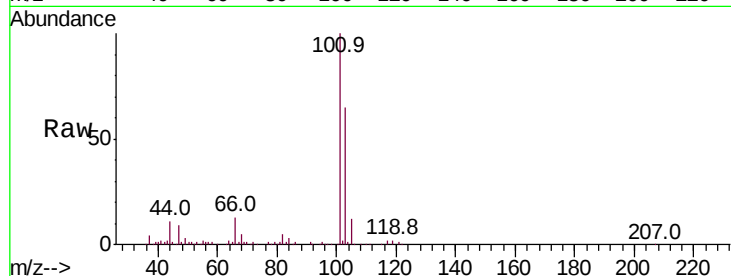


#7

Trichlorofluoromethane
 Concen: 2.215 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Instrument :
 MSVOA_U
 ClientSampled :

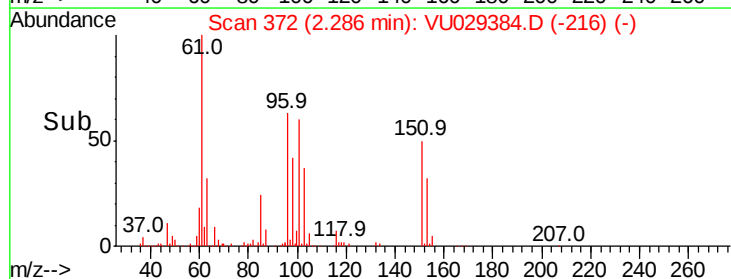
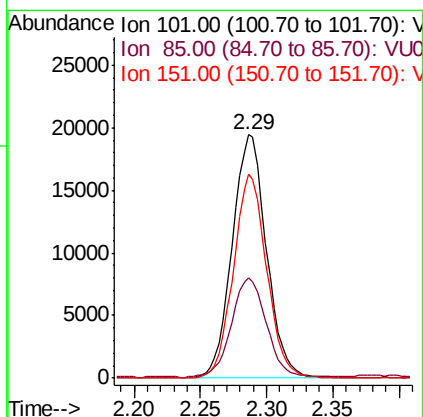
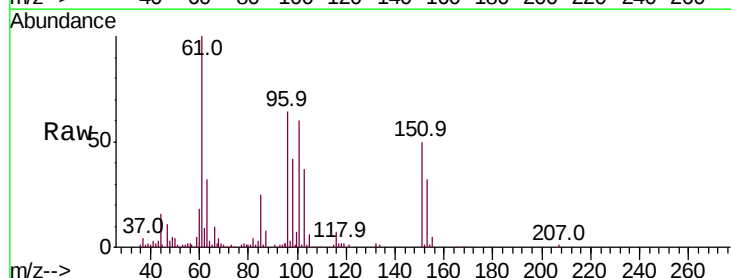
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.9	80.9

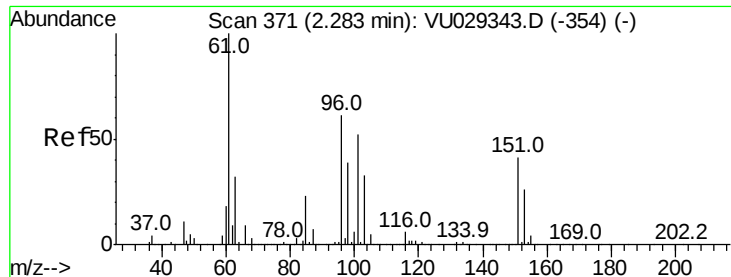


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.316 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.7	40.3	60.5
151	81.1	58.1	87.1





#9

1,1-Dichloroethene

Concen: 2.211 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampled :

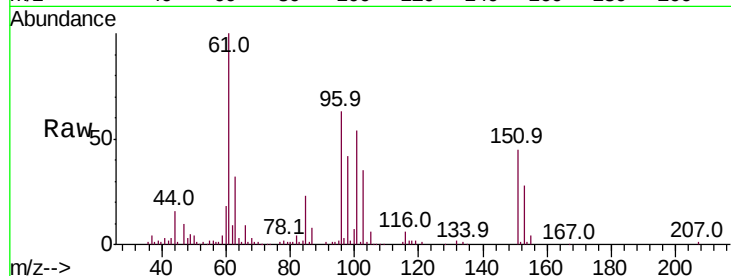
Tot Ion: 96 Resp: 32620

Ion Ratio Lower Upper

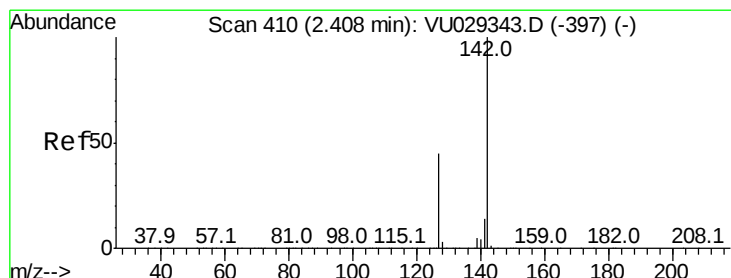
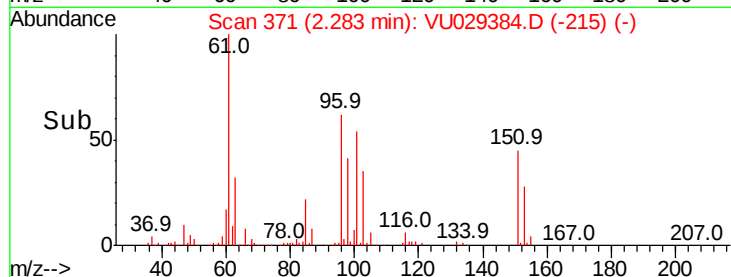
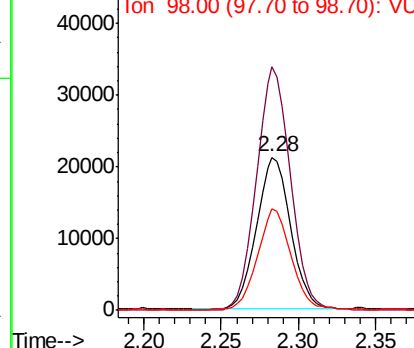
96 100

61 160.6 0.0 641.4

98 67.2 0.0 122.6



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



#10

Iodomethane

Concen: 1.583 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029384.D

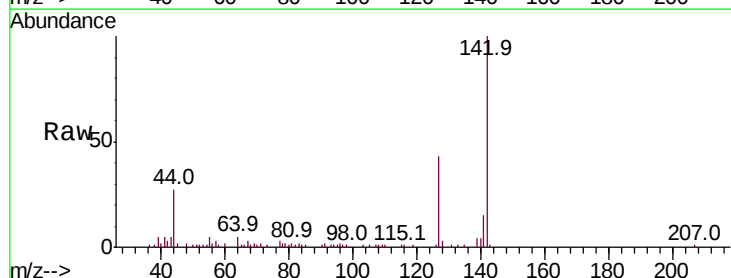
Acq: 08 Feb 2019 17:46

Tgt Ion:142 Resp: 29217

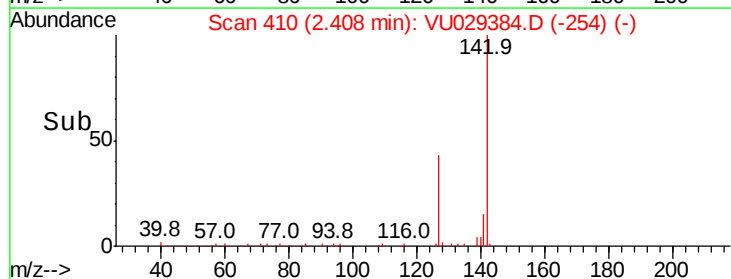
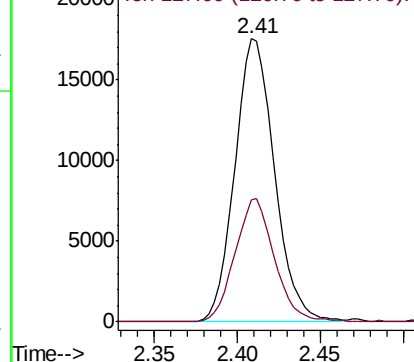
Ion Ratio Lower Upper

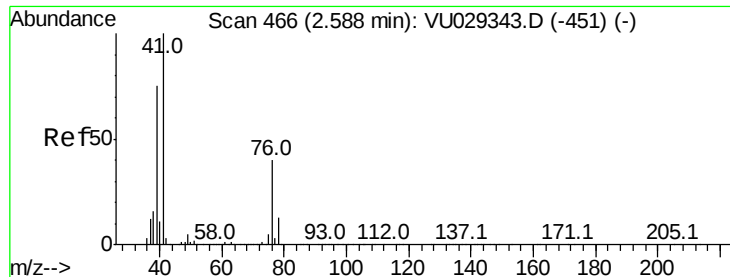
142 100

127 43.1 47.6 71.4#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

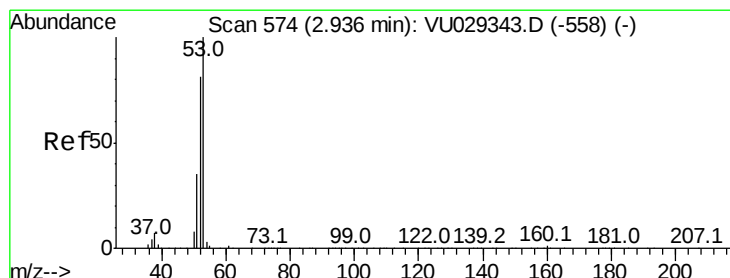
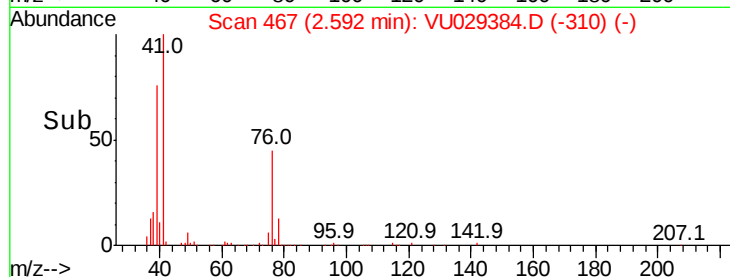
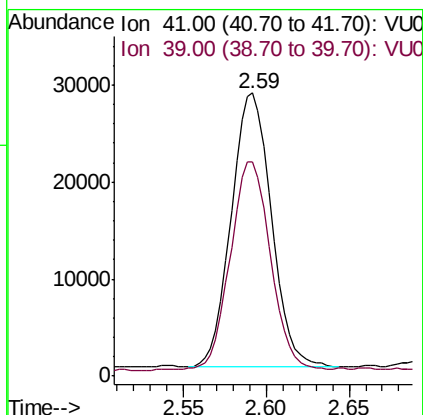
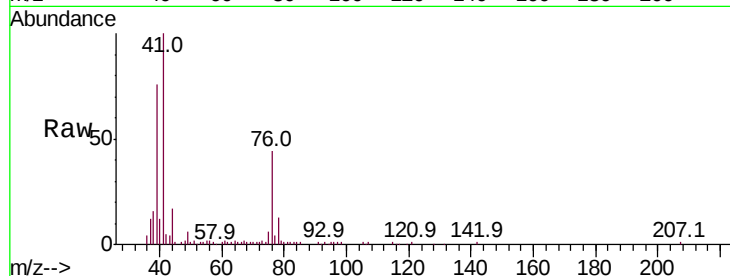




#11
Allvl Chloride
Concen: 1.930 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

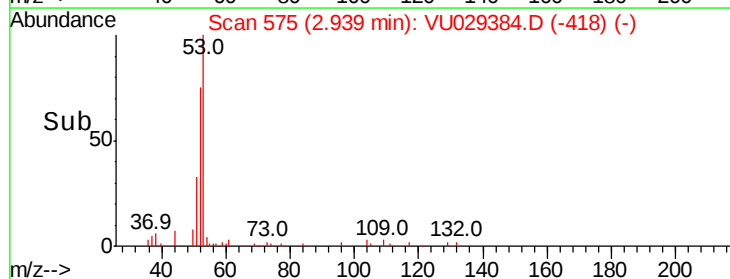
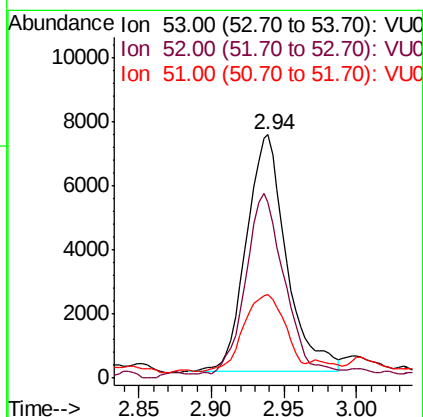
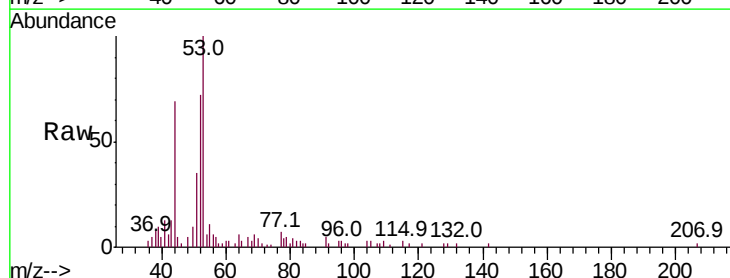
Instrument :
MSVOA_U
ClientSampleId :

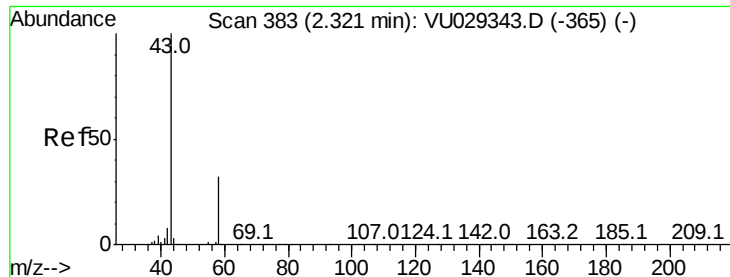
Tot Ion: 41 Resp: 47762
Ion Ratio Lower Upper
41 100
39 75.7 67.2 100.8



#12
Acrylonitrile
Concen: 4.301 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 53 Resp: 14225
Ion Ratio Lower Upper
53 100
52 75.2 67.6 101.4
51 33.4 31.0 46.4





#13

Acetone

Concen: 8.964 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

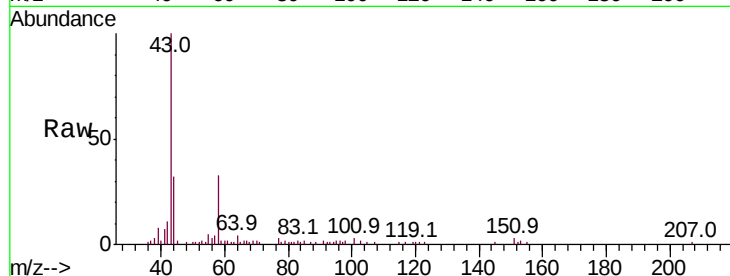
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 28569

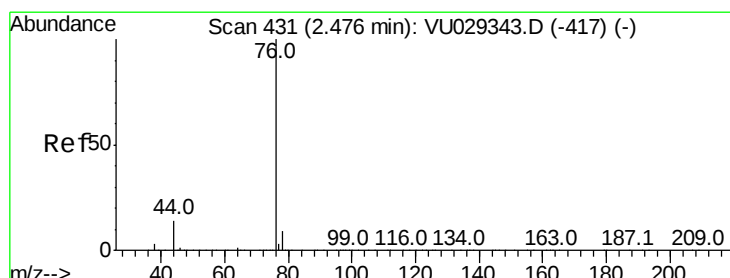
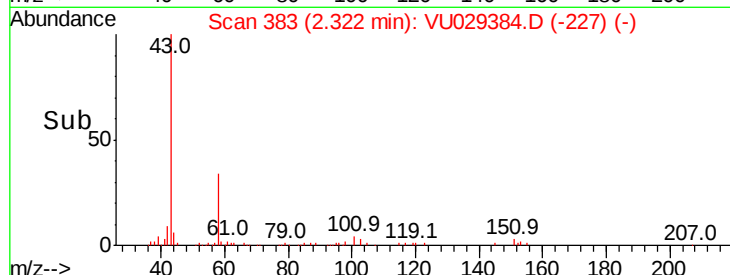
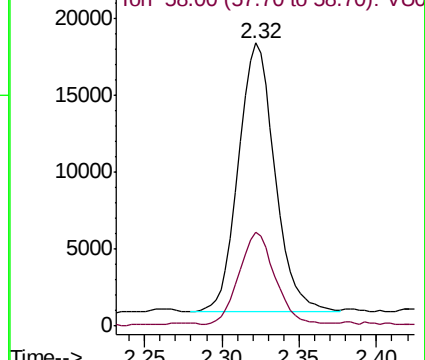
Ion Ratio Lower Upper

43 100

58 34.1 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU029384.D (-365) (-)



#14

Carbon Disulfide

Concen: 2.090 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029384.D

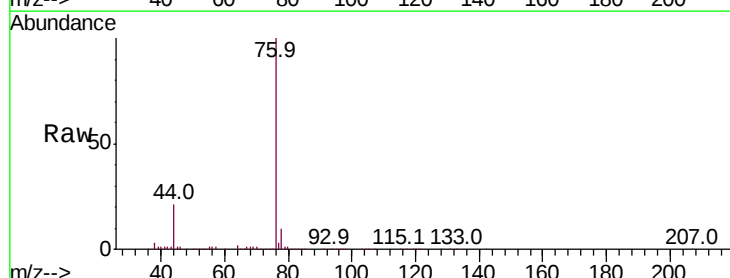
Acq: 08 Feb 2019 17:46

Tgt Ion: 76 Resp: 108878

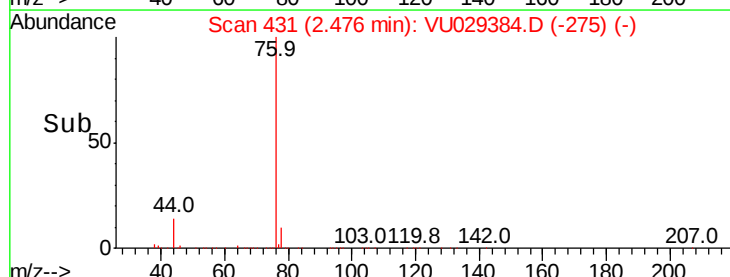
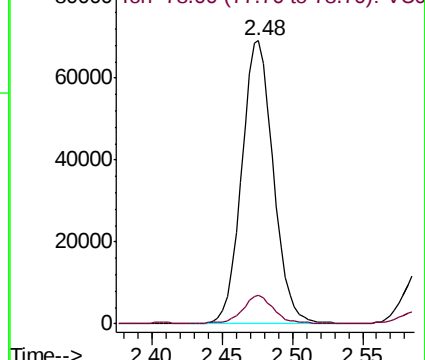
Ion Ratio Lower Upper

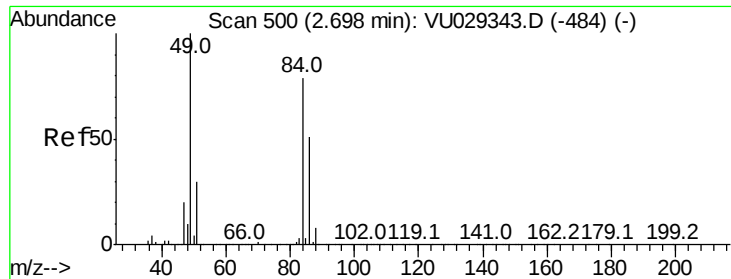
76 100

78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU029384.D (-275) (-)

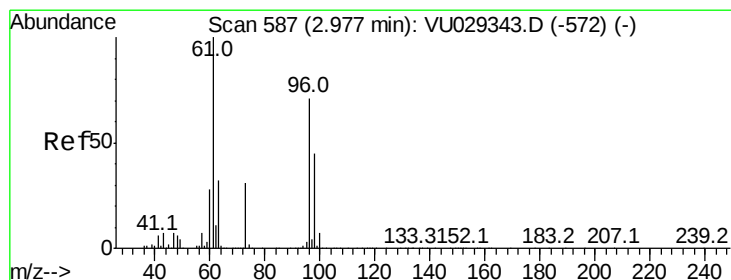
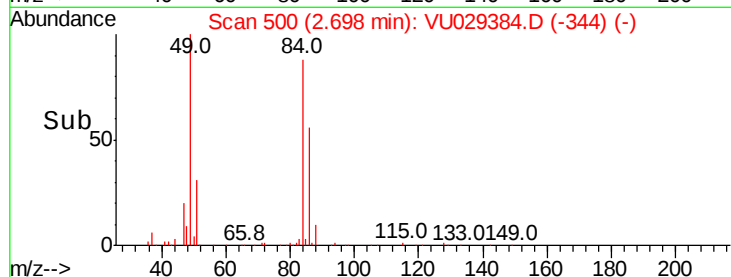
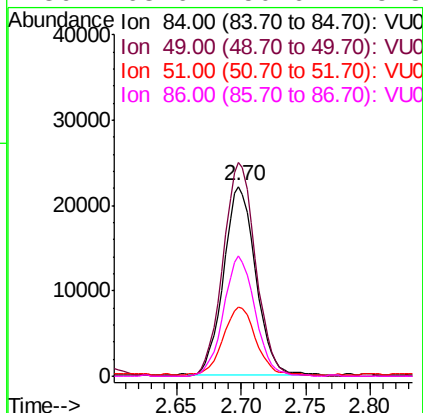
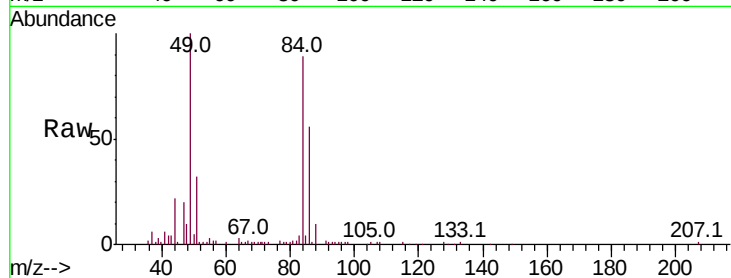




#15
Methylene Chloride
Concen: 2.129 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

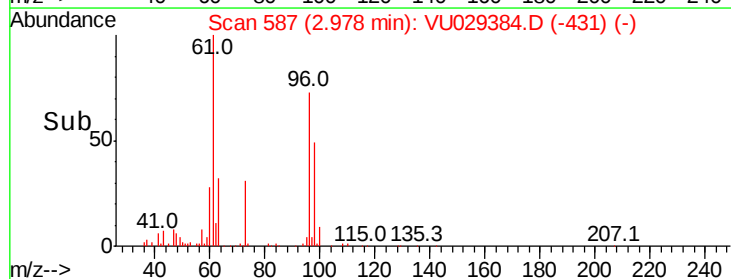
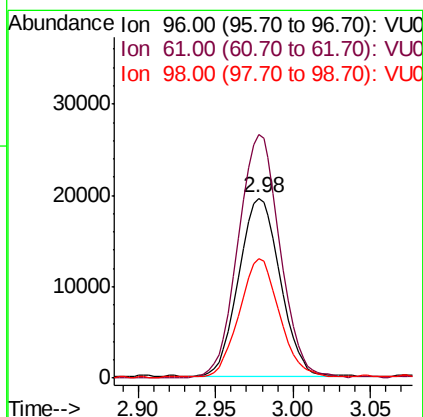
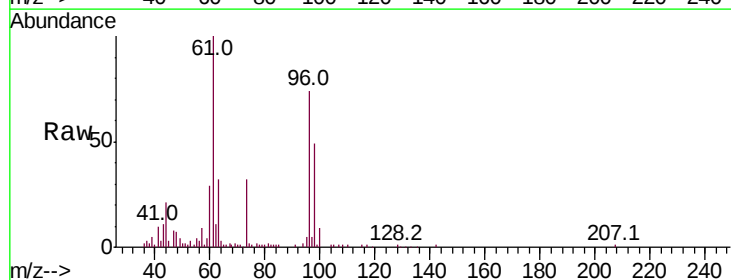
Instrument :
MSVOA_U
ClientSampleId :

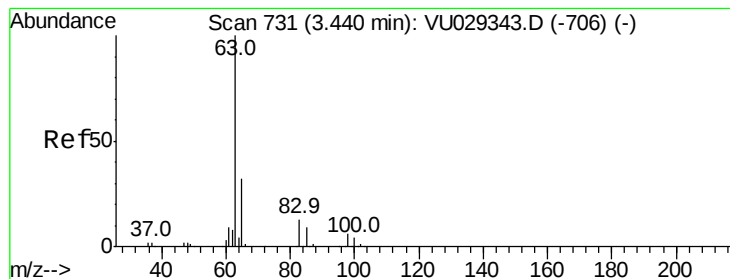
Tot Ion: 84 Resp: 38093
Ion Ratio Lower Upper
84 100
49 113.2 127.0 190.6#
51 35.5 0.0 93.4
86 63.6 50.6 75.8



#16
trans-1,2-Dichloroethene
Concen: 2.221 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 96 Resp: 36655
Ion Ratio Lower Upper
96 100
61 136.3 140.6 210.8#
98 66.4 49.3 73.9





#17

1,1-Dichloroethane

Concen: 1.933 ug/l

RT: 3.44 min Scan# 731

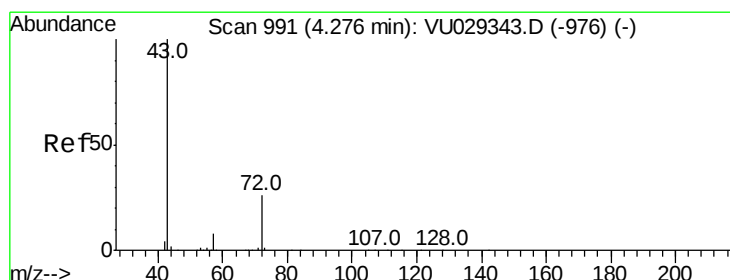
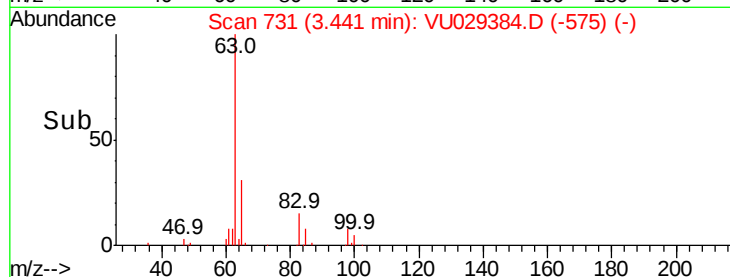
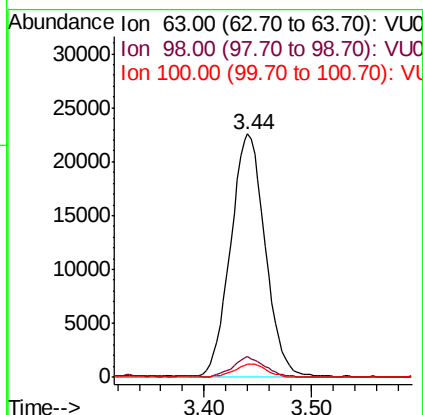
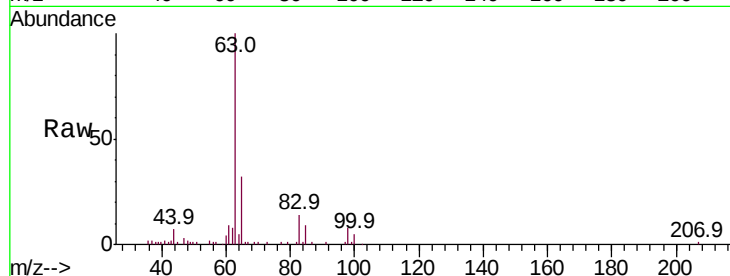
Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	63	Resp:	50553
Ion	Ratio	Lower	Upper
63	100		
98	8.4	2.9	8.8
100	5.2	1.7	5.1#



#18

2-Butanone

Concen: 9.086 ug/l

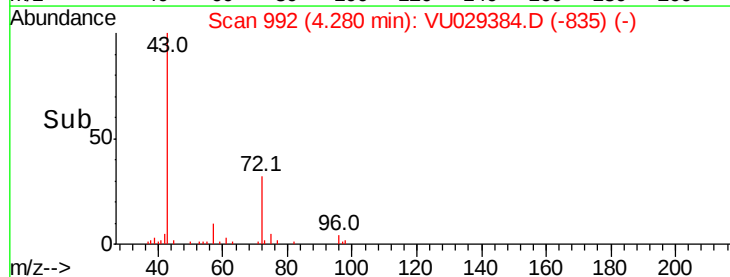
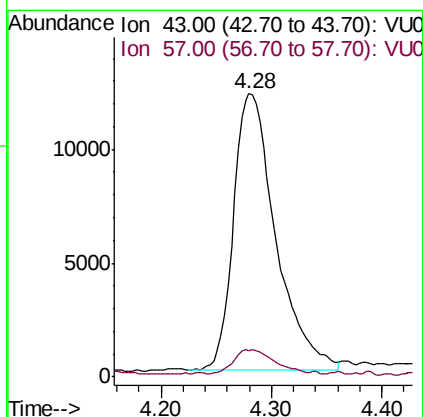
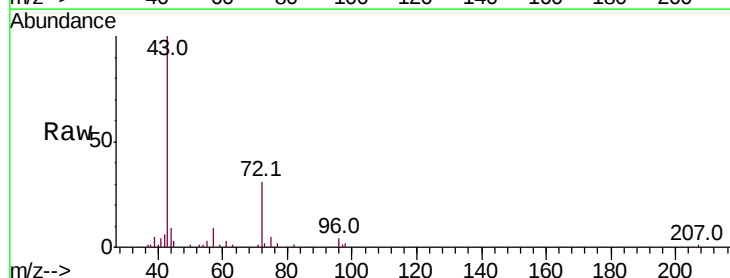
RT: 4.28 min Scan# 992

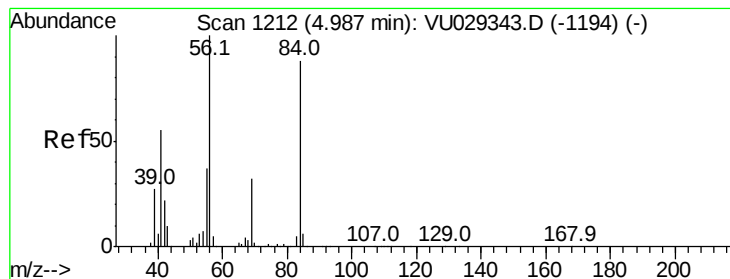
Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Tgt Ion:	43	Resp:	32366
Ion	Ratio	Lower	Upper
43	100		
57	8.5	0.0	15.8





#19

Cyclohexane

Concen: 1.570 ug/l

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

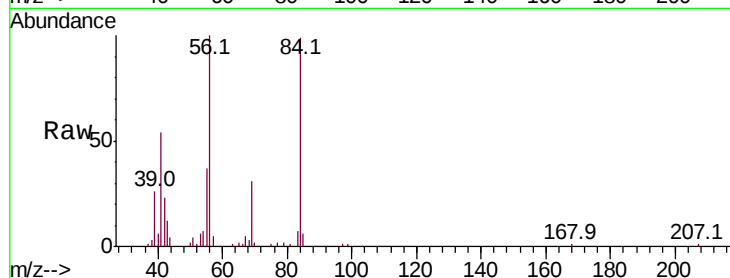
Tot Ion: 56 Resp: 38074

Ion Ratio Lower Upper

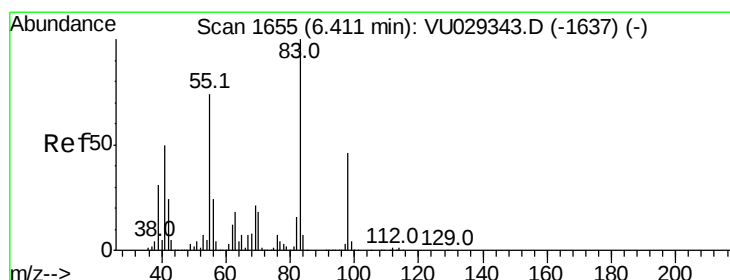
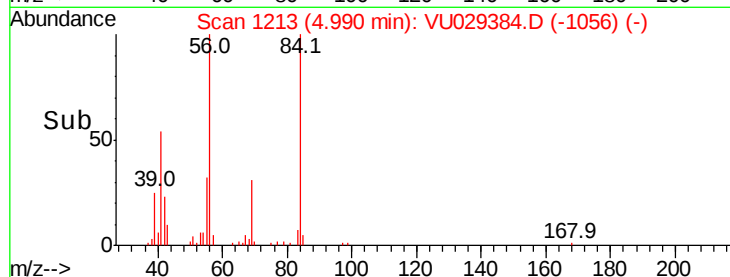
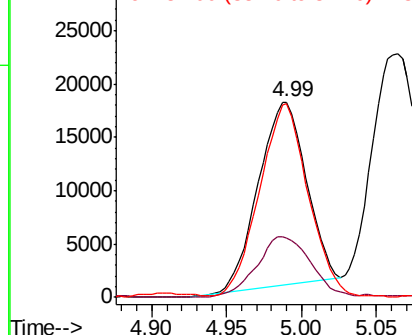
56 100

69 36.3 26.8 40.2

84 107.4 71.5 107.3#



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



#20

Methylcyclohexane

Concen: 2.058 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

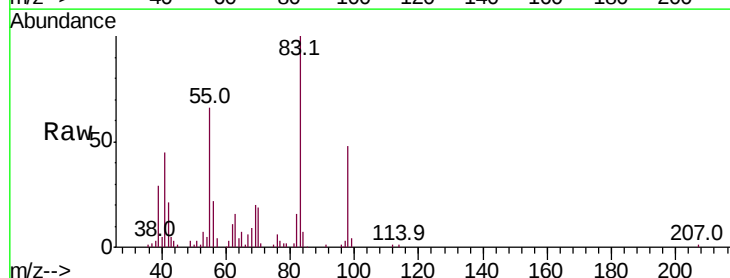
Tgt Ion: 83 Resp: 52402

Ion Ratio Lower Upper

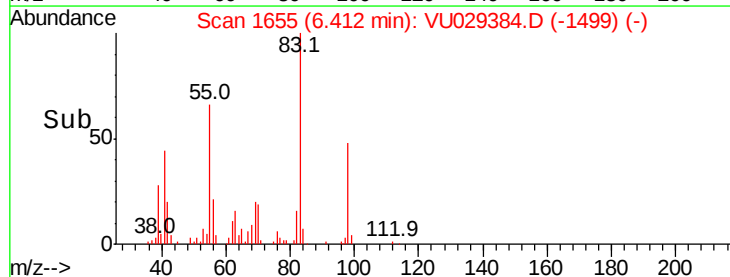
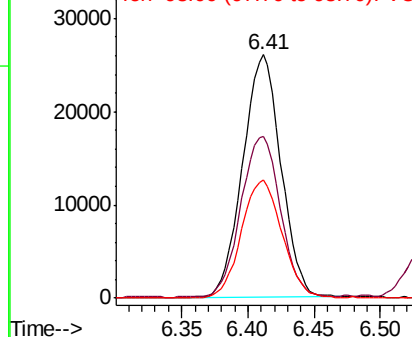
83 100

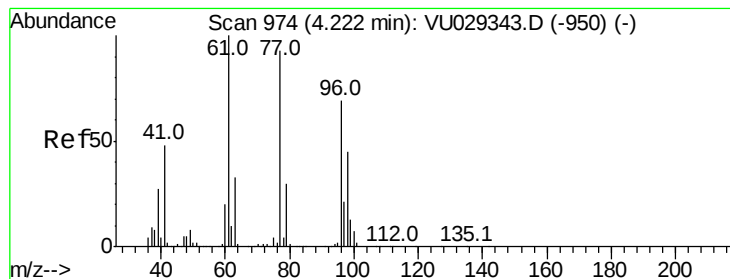
55 67.7 72.4 108.6#

98 51.6 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 1.949 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

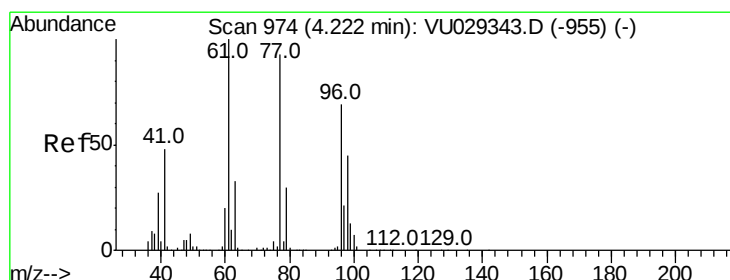
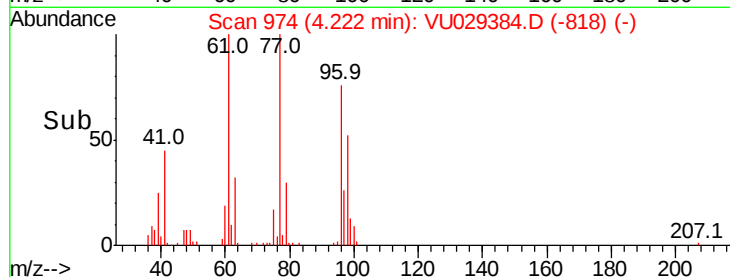
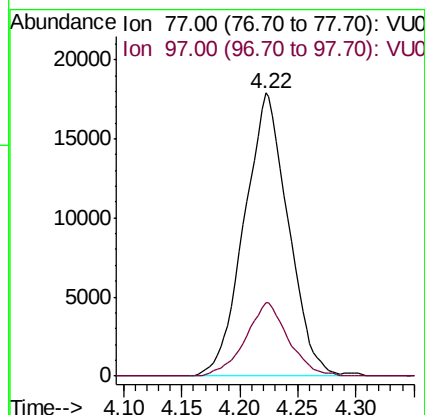
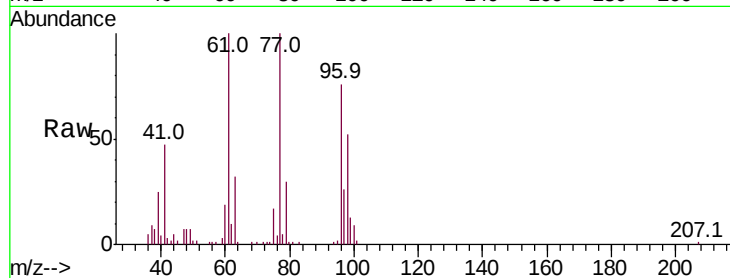
ClientSampleId :

Tot Ion: 77 Resp: 47177

Ion Ratio Lower Upper

77 100

97 25.3 15.6 23.4#



#22

cis-1,2-Dichloroethene

Concen: 2.180 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

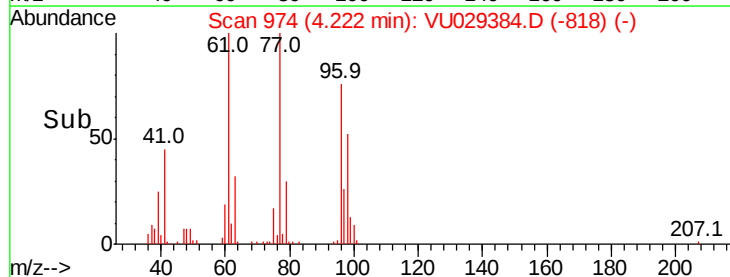
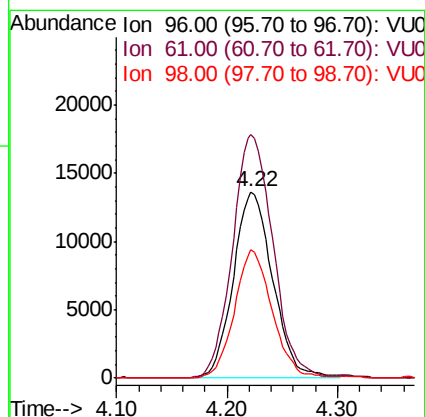
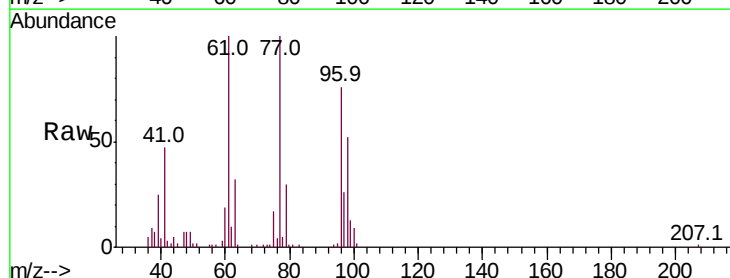
Tgt Ion: 96 Resp: 33886

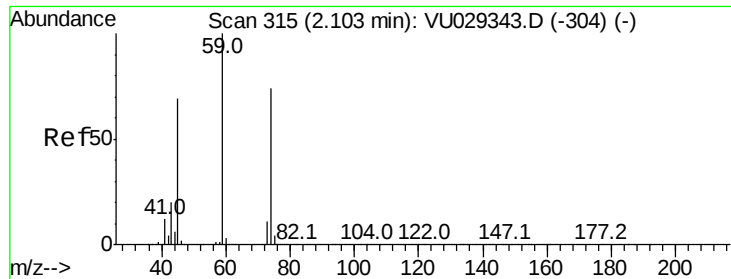
Ion Ratio Lower Upper

96 100

61 133.9 0.0 460.0

98 65.5 32.6 97.7

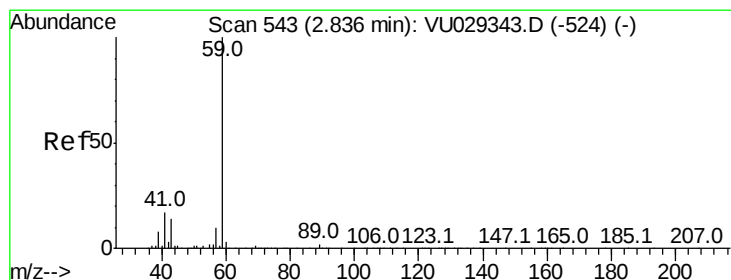
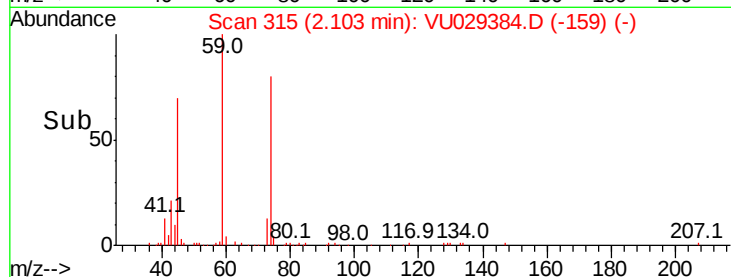
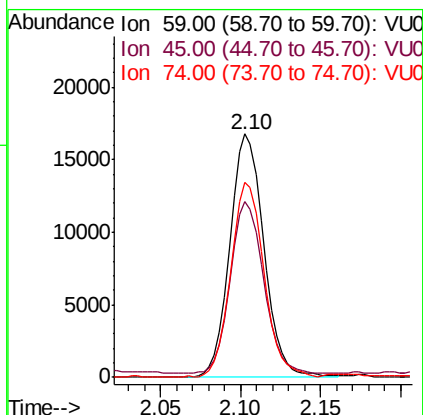
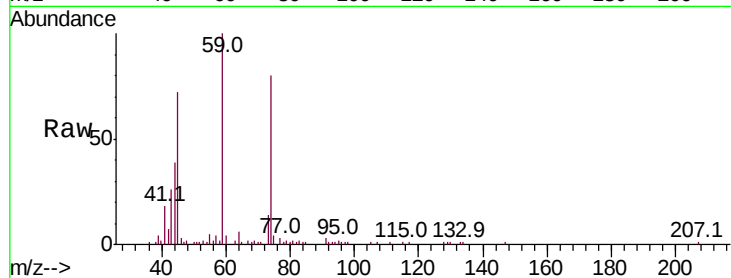




#23
Diethyl Ether
Concen: 2.047 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

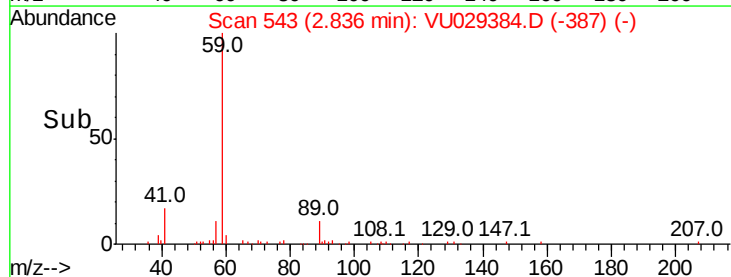
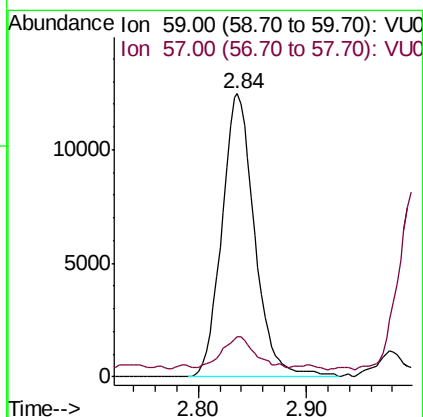
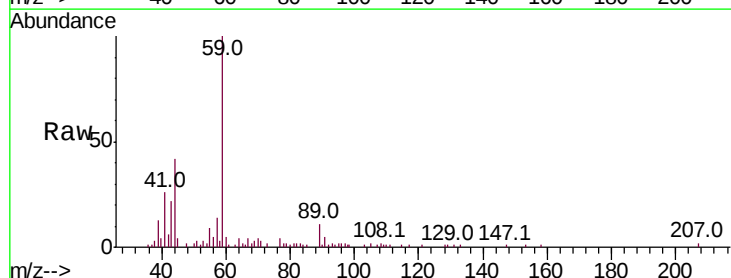
Instrument :
MSVOA_U
ClientSampleId :

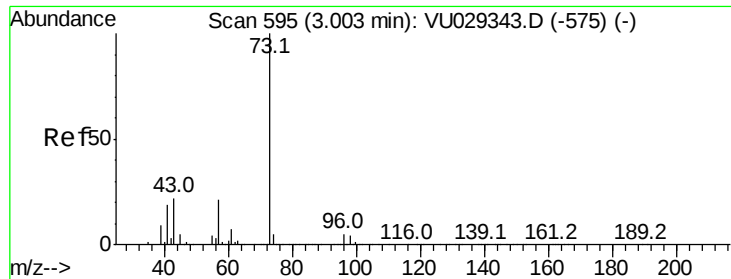
Tot Ion: 59 Resp: 24252
Ion Ratio Lower Upper
59 100
45 69.1 64.2 96.4
74 78.5 55.3 82.9



#24
tert-Butyl Alcohol
Concen: 21.376 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 59 Resp: 26322
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2



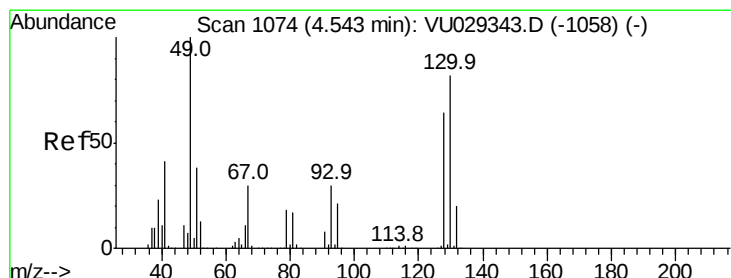
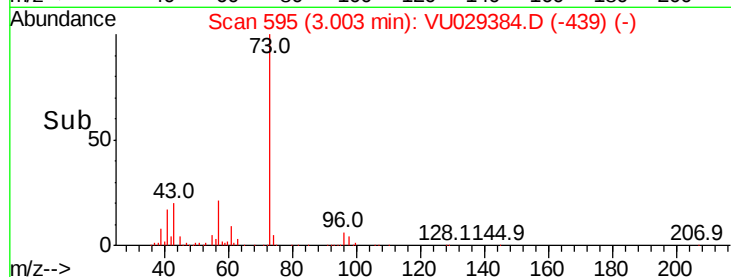
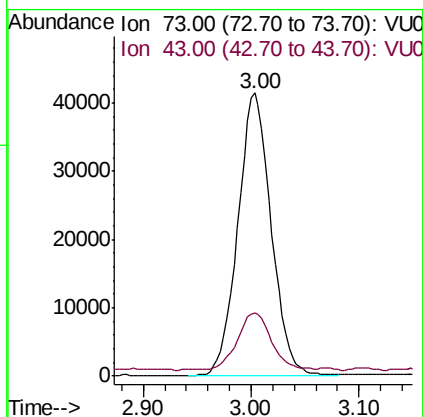
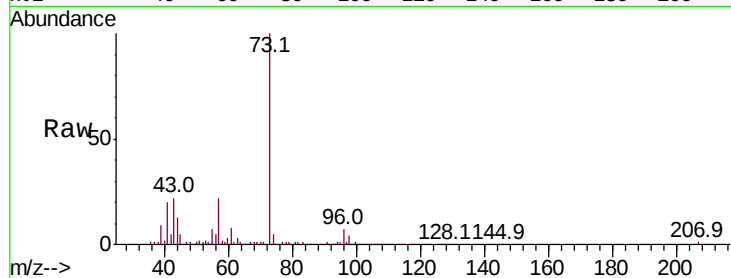


#25

Methvl tert-Butvl Ether
 Concen: 2.154 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :

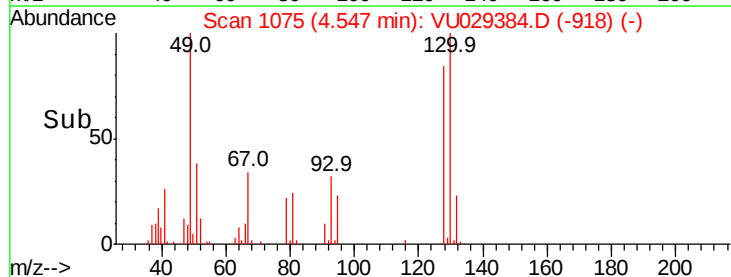
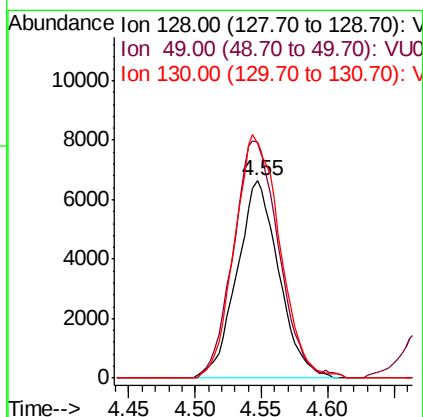
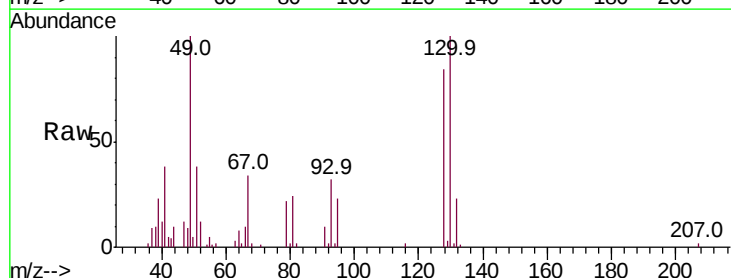
Tot Ion: 73 Resp: 89509
 Ion Ratio Lower Upper
 73 100
 43 19.6 22.1 33.1#

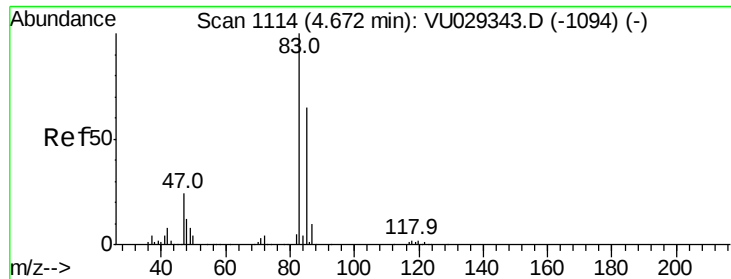


#26

Bromochloromethane
 Concen: 2.132 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion: 128 Resp: 14636
 Ion Ratio Lower Upper
 128 100
 49 129.0 0.0 401.6
 130 132.8 108.0 162.0





#27

Chloroform

Concen: 2.089 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

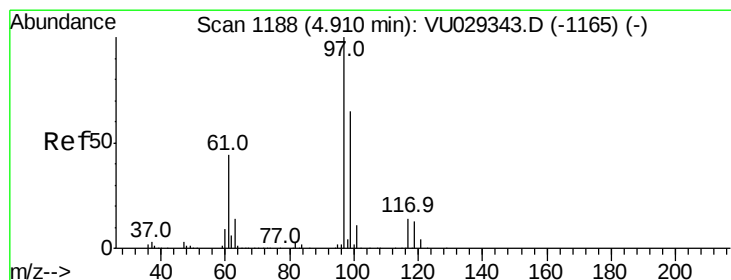
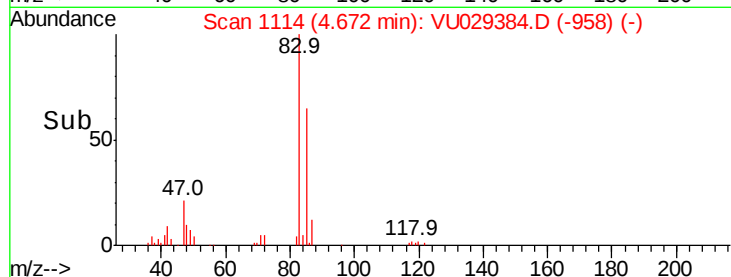
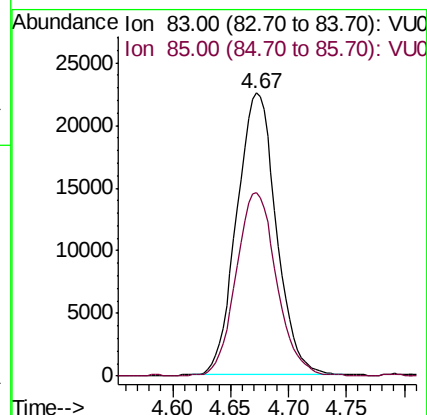
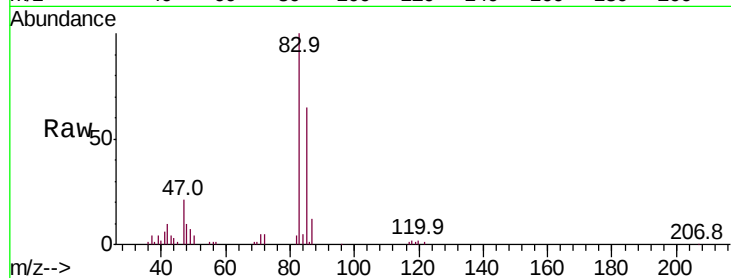
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 53109

Ion Ratio Lower Upper

83 100

85 64.7 0.0 126.6



#28

1,1,1-Trichloroethane

Concen: 2.068 ug/l

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

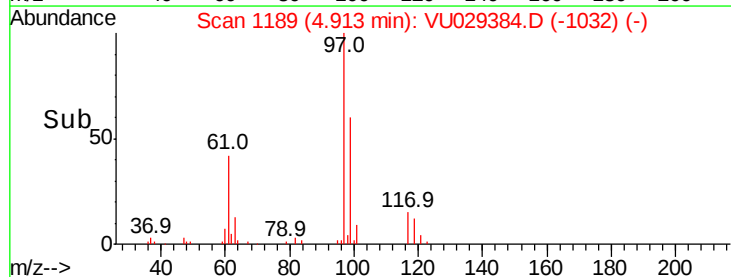
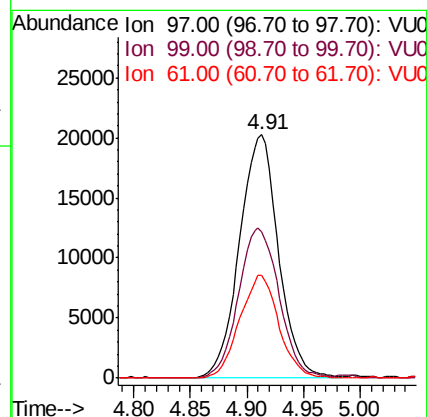
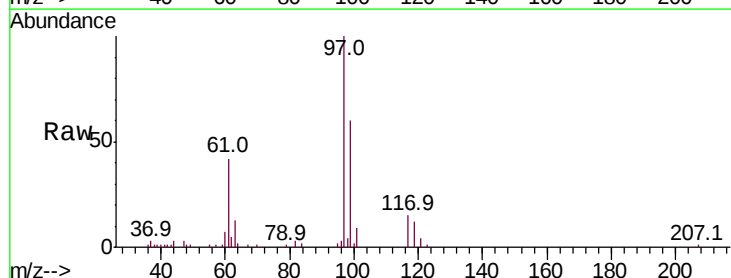
Tgt Ion: 97 Resp: 48749

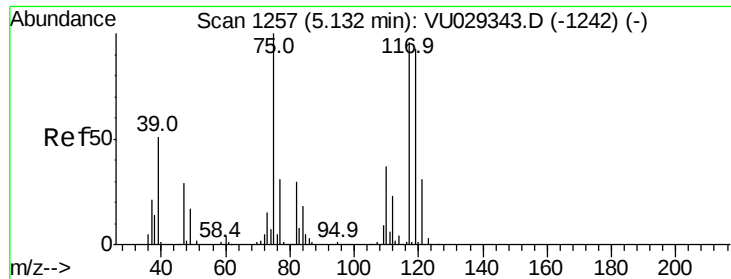
Ion Ratio Lower Upper

97 100

99 64.0 32.4 97.2

61 42.2 24.4 73.2





#29

1,1-Dichloropropene

Concen: 2.010 ug/l

RT: 5.13 min Scan# 1257

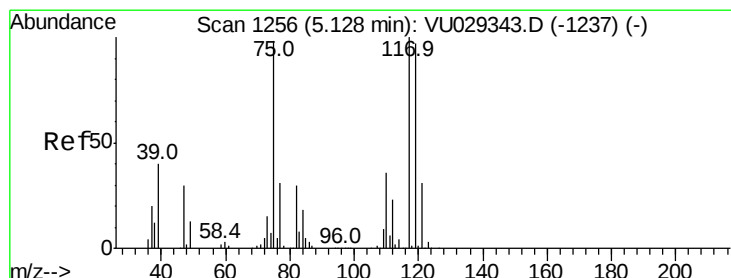
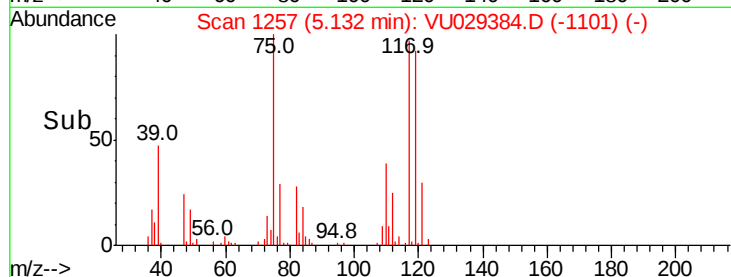
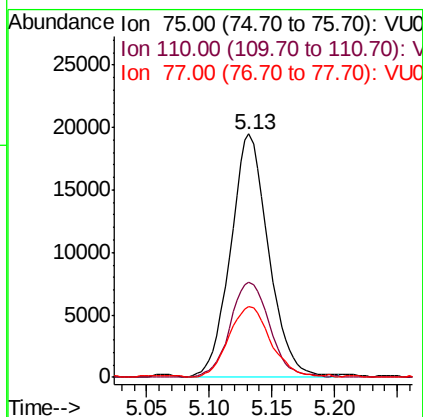
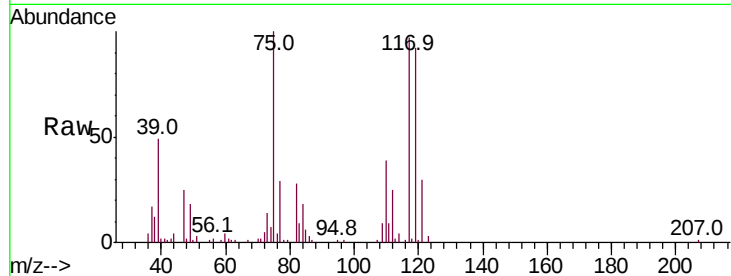
Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	75	Resp:	41134
Ion	Ratio	Lower	Upper
75	100		
110	40.6	15.4	46.2
77	32.2	24.1	36.1



#30

Carbon Tetrachloride

Concen: 2.067 ug/l

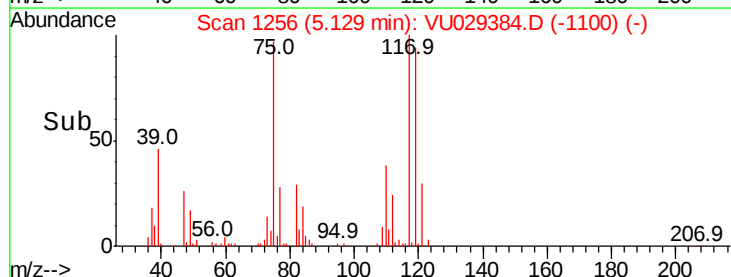
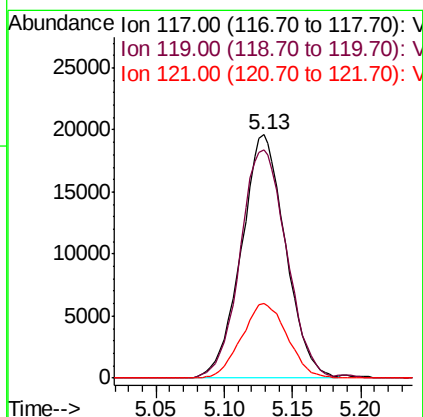
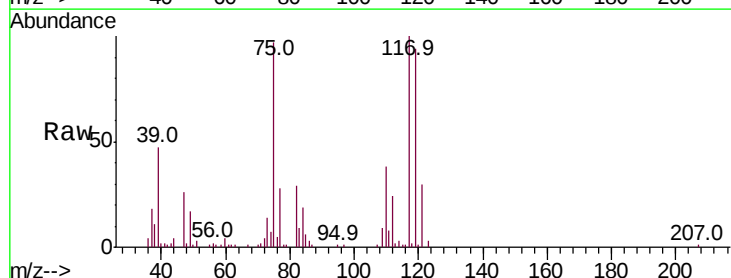
RT: 5.13 min Scan# 1256

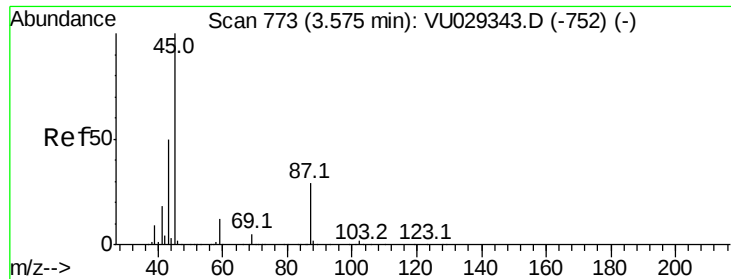
Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Tgt Ion:	117	Resp:	44106
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.8	115.2
121	30.5	24.4	36.6





#31

Isopropyl Ether

Concen: 1.925 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

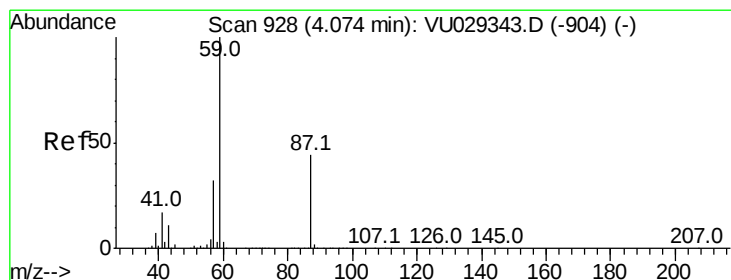
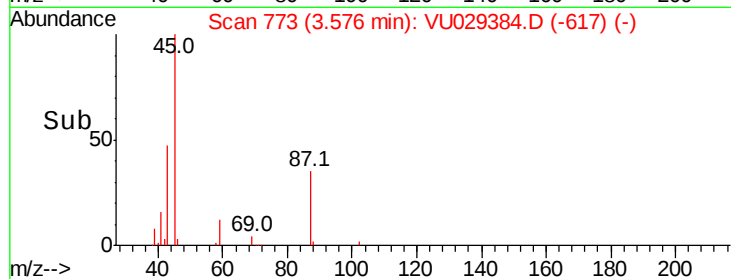
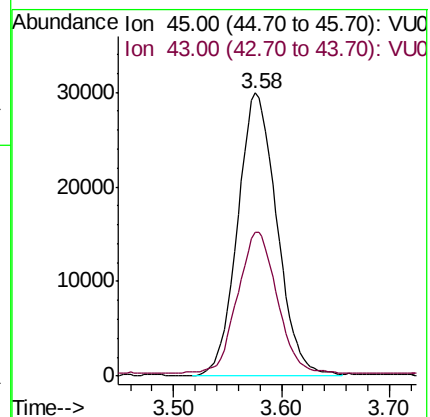
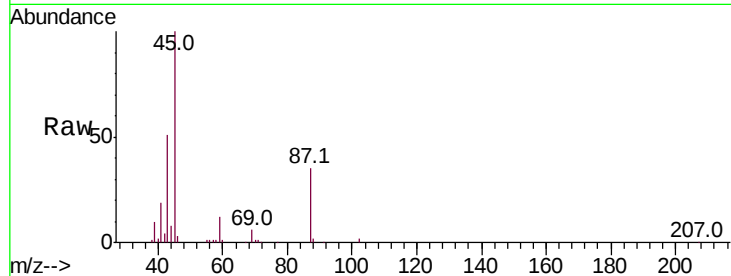
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 45 Resp: 75946

Ion Ratio Lower Upper

45 100

43 50.0 28.4 85.3



#32

Ethyl-t-butyl ether

Concen: 1.956 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU029384.D

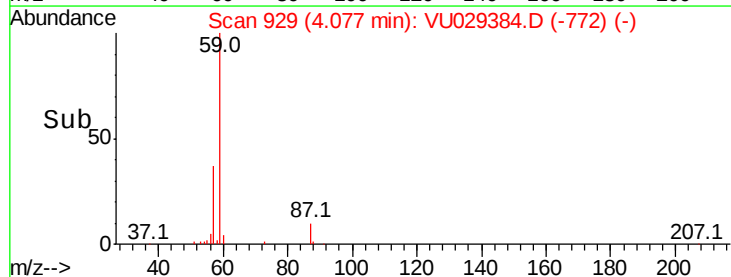
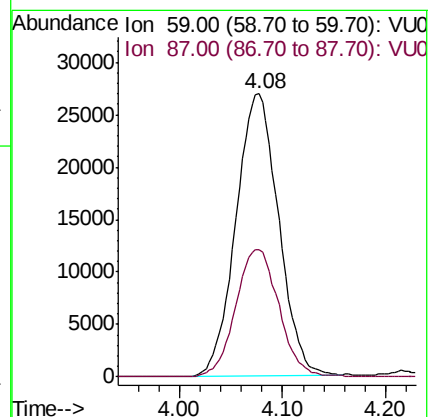
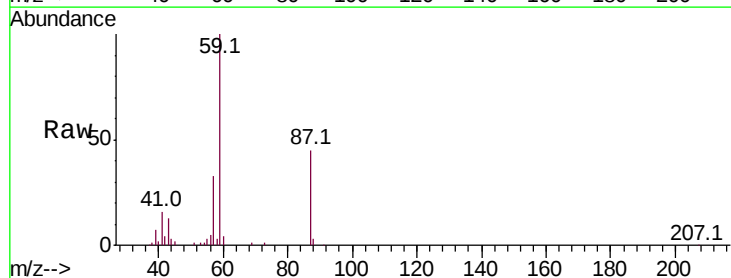
Acq: 08 Feb 2019 17:46

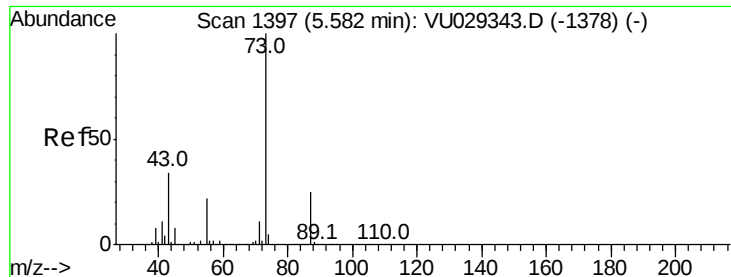
Tgt Ion: 59 Resp: 77348

Ion Ratio Lower Upper

59 100

87 45.9 31.1 46.7



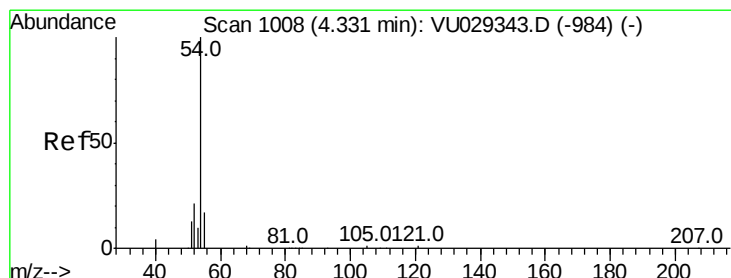
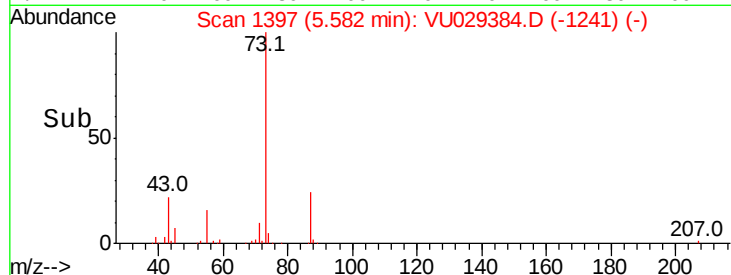
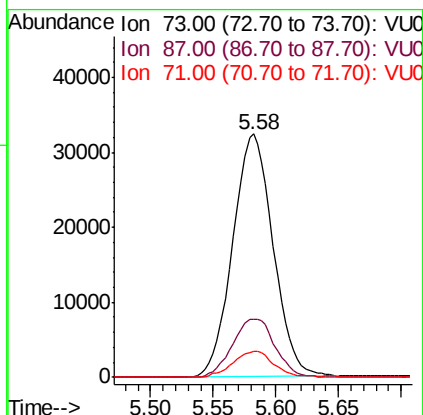
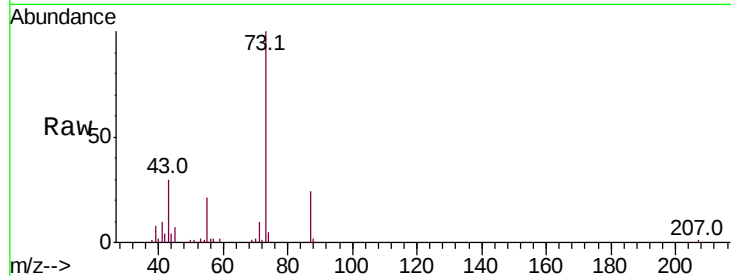


#33

Tert-Butyl methyl ether
 Concen: 2.018 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :

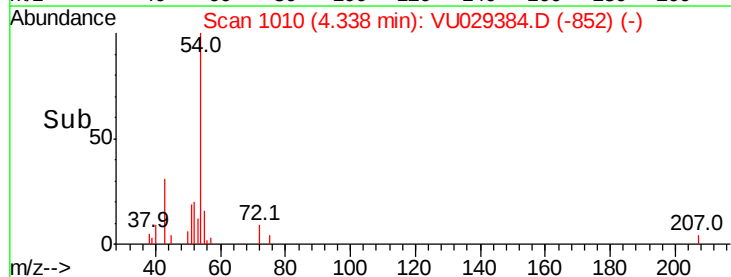
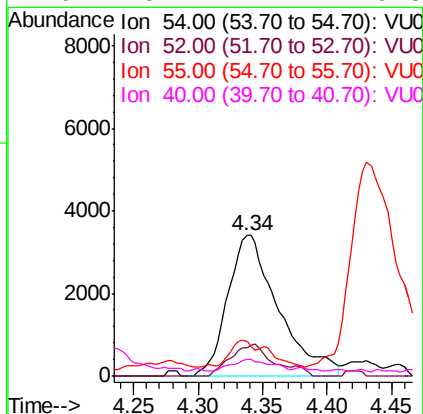
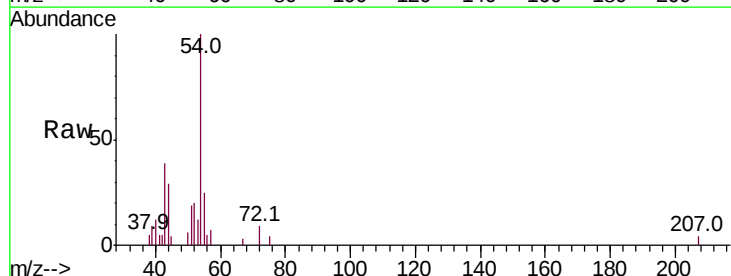
Tot Ion: 73 Resp: 72150
 Ion Ratio Lower Upper
 73 100
 87 25.5 19.4 29.0
 71 10.5 9.0 13.4

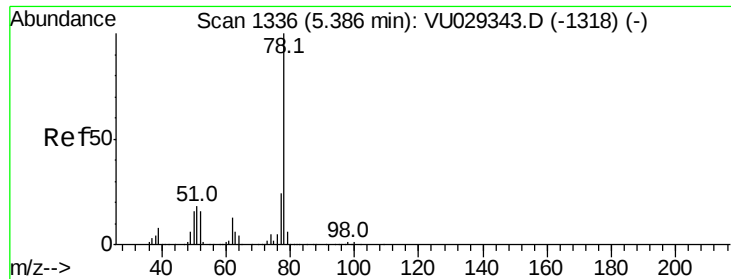


#34

Propionitrile
 Concen: 9.937 ug/l
 RT: 4.34 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion: 54 Resp: 9305
 Ion Ratio Lower Upper
 54 100
 52 19.3 18.9 28.3
 55 7.9 15.1 22.7#
 40 6.4 7.2 10.8#





#35

Benzene

Concen: 2.051 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

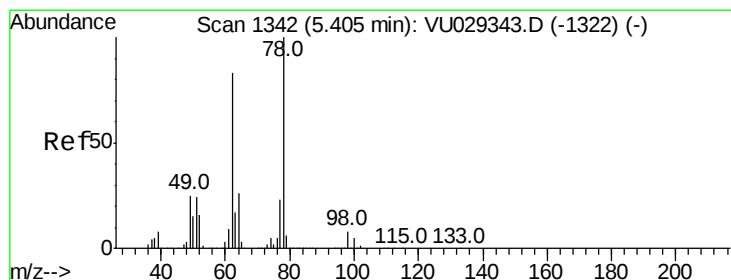
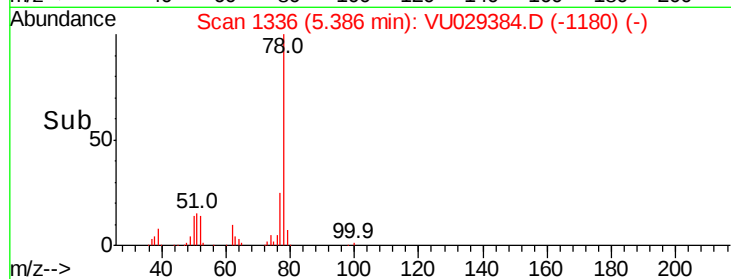
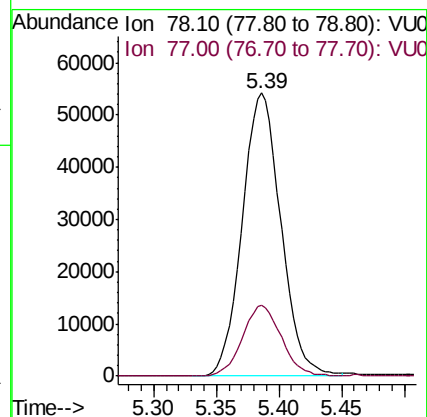
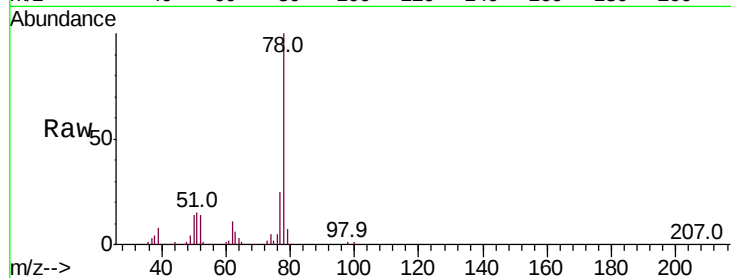
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 116042

Ion Ratio Lower Upper

78 100

77 25.1 19.8 29.8



#36

1,2-Dichloroethane

Concen: 1.969 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029384.D

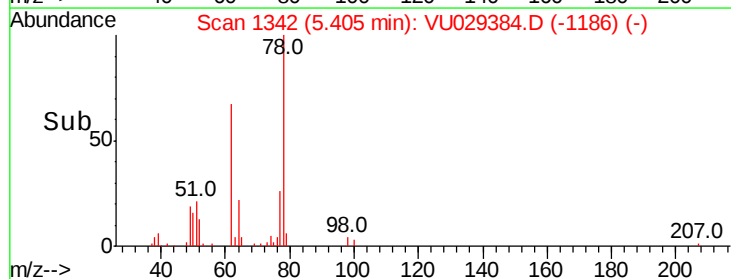
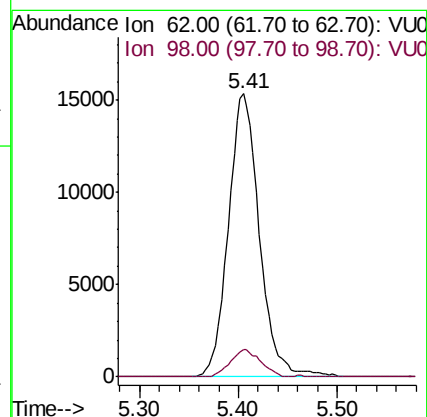
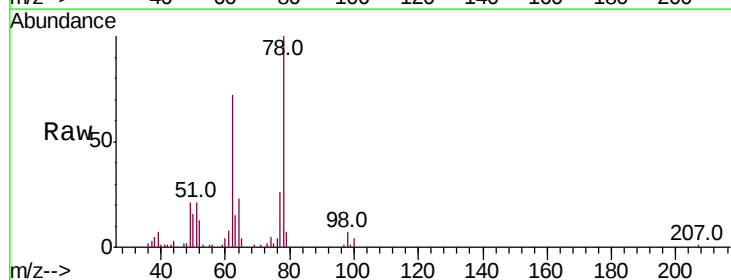
Acq: 08 Feb 2019 17:46

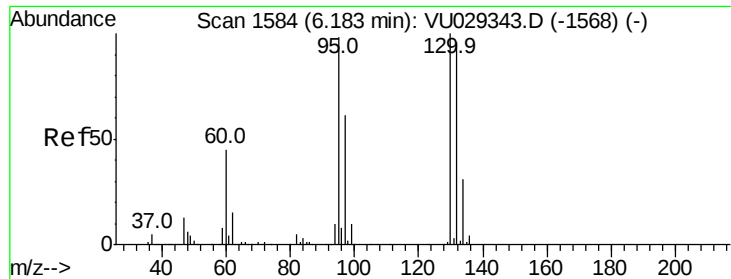
Tgt Ion: 62 Resp: 33704

Ion Ratio Lower Upper

62 100

98 9.3 4.9 7.3#





#37

Trichloroethene

Concen: 2.236 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

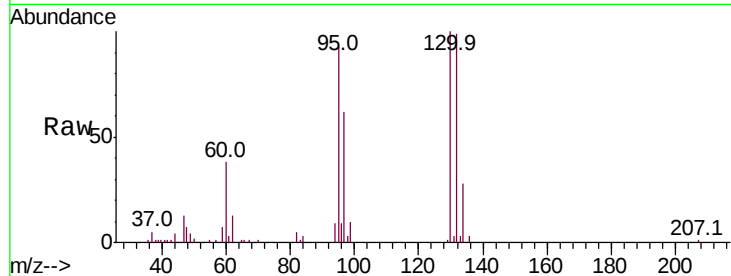
ClientSampleId :

Tot Ion:130 Resp: 36301

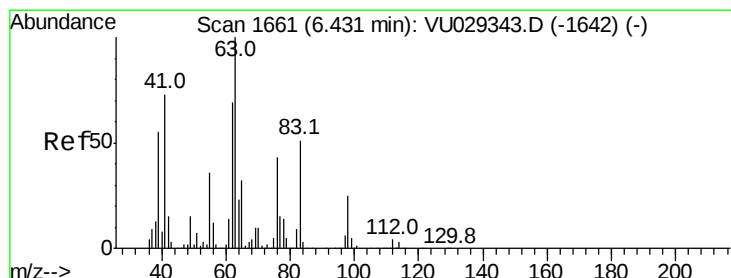
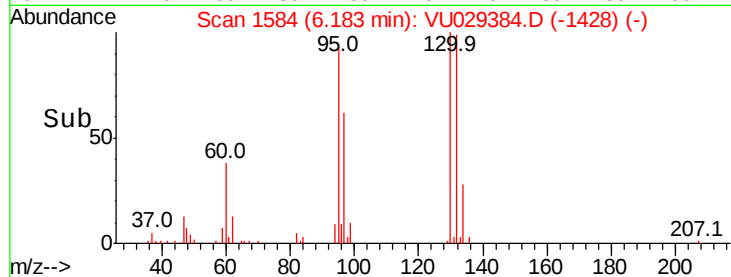
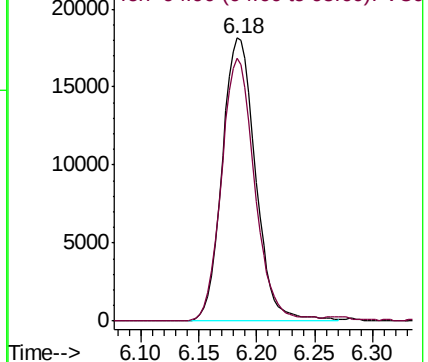
Ion Ratio Lower Upper

130 100

95 92.8 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029384.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 2.022 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029384.D

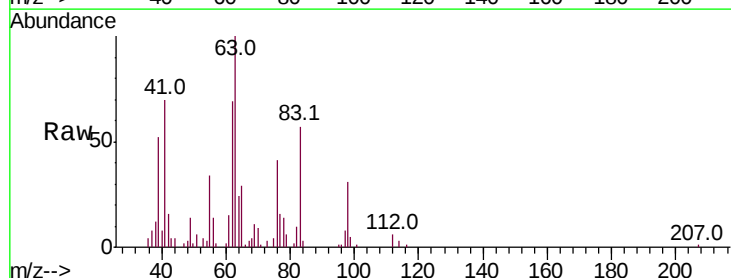
Acq: 08 Feb 2019 17:46

Tgt Ion: 63 Resp: 29764

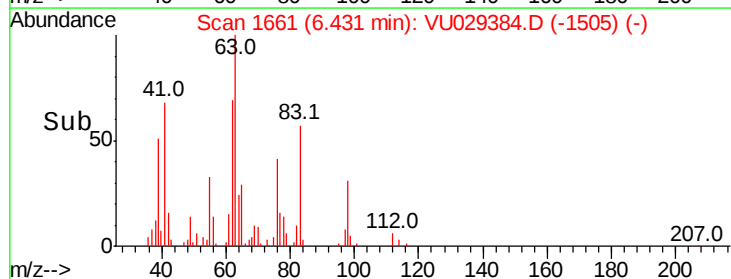
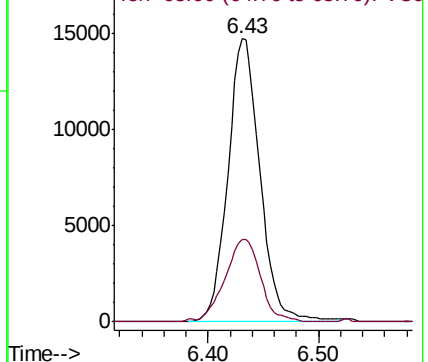
Ion Ratio Lower Upper

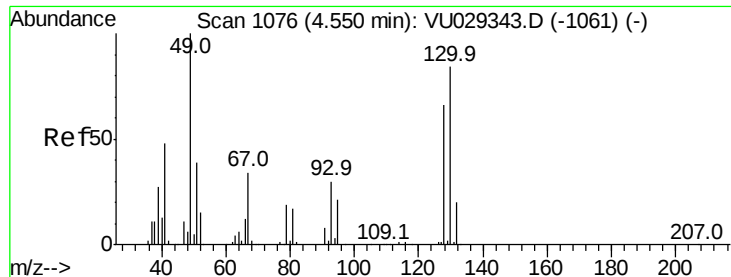
63 100

65 29.1 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029384.D (-1642) (-)

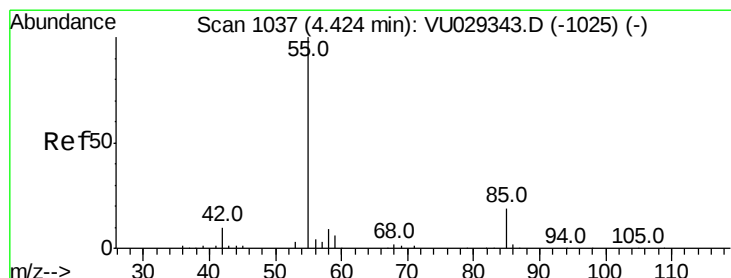
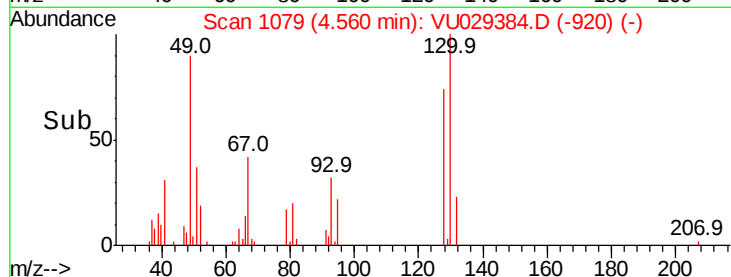
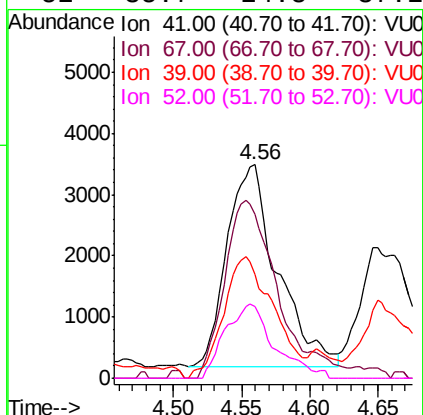
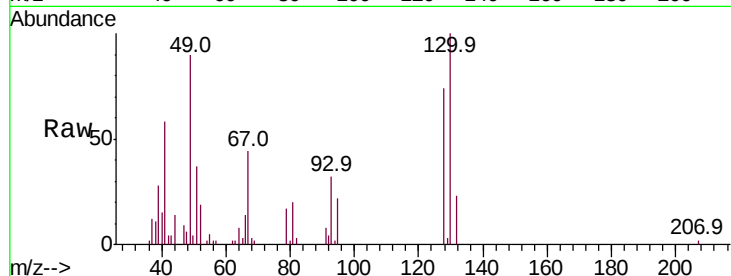




#39
Methacrylonitrile
Concen: 1.766 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

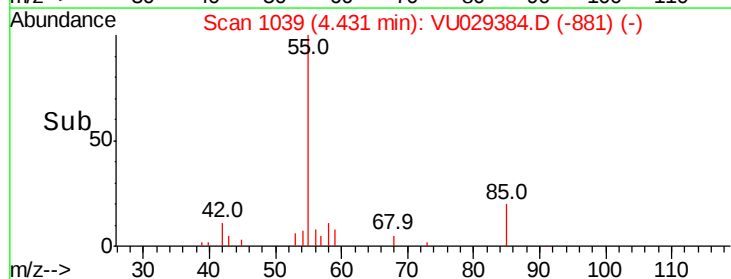
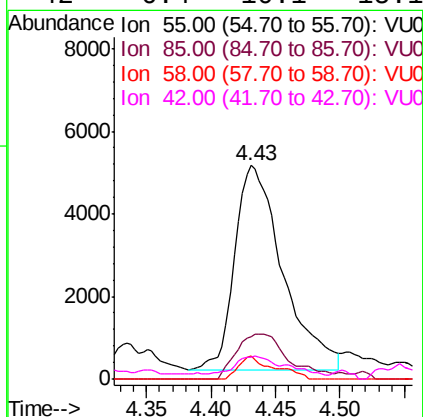
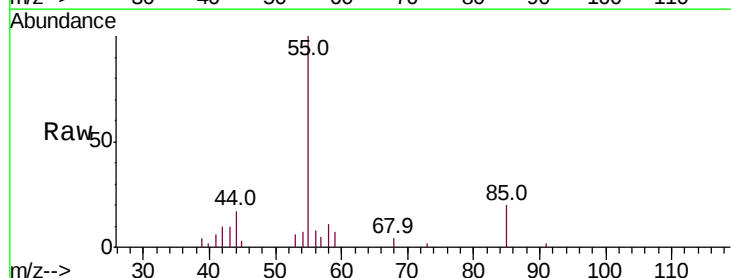
Instrument :
MSVOA_U
ClientSampleId :

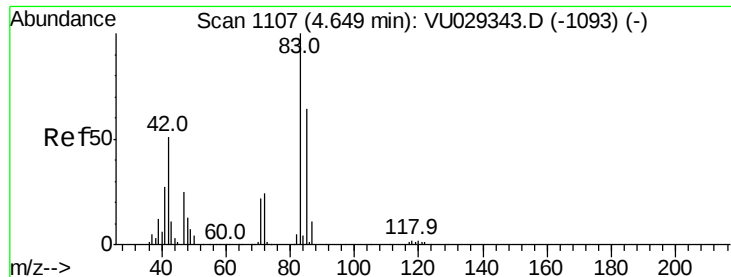
Tot Ion: 41 Resp: 8470
Ion Ratio Lower Upper
41 100
67 92.8 50.1 75.1#
39 60.3 47.9 71.9
52 35.7 24.8 37.2



#40
Methyl acrylate
Concen: 1.779 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 55 Resp: 12874
Ion Ratio Lower Upper
55 100
85 23.6 11.3 16.9#
58 6.5 6.2 9.4
42 6.4 10.1 15.1#





#41

Tetrahydrofuran

Concen: 3.286 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

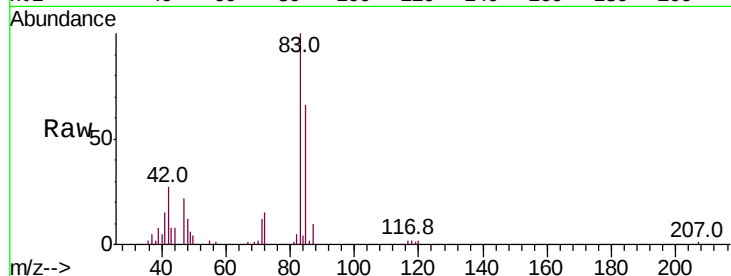
Tot Ion: 42 Resp: 7936

Ion Ratio Lower Upper

42 100

72 63.9 33.1 49.7#

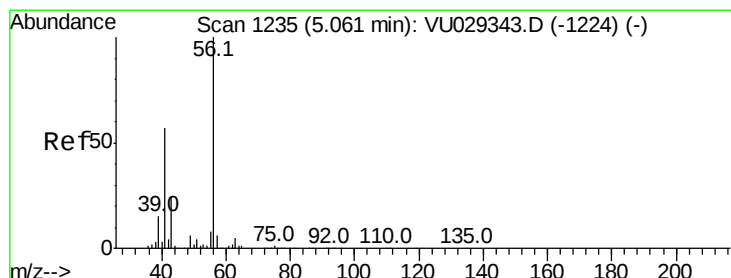
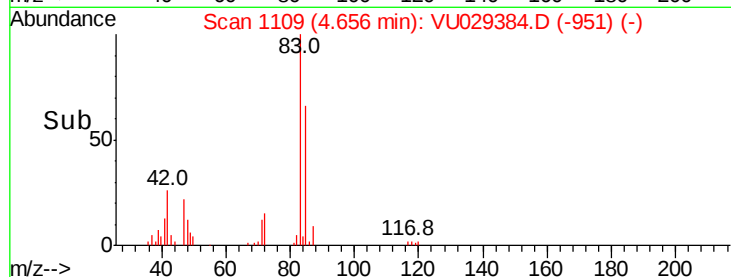
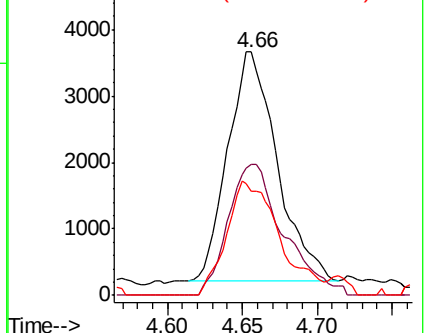
71 53.2 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.915 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU029384.D

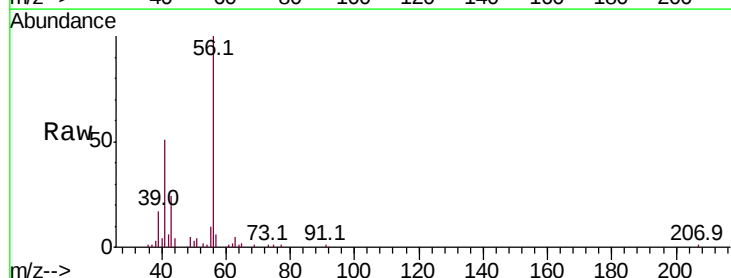
Acq: 08 Feb 2019 17:46

Tgt Ion: 56 Resp: 52491

Ion Ratio Lower Upper

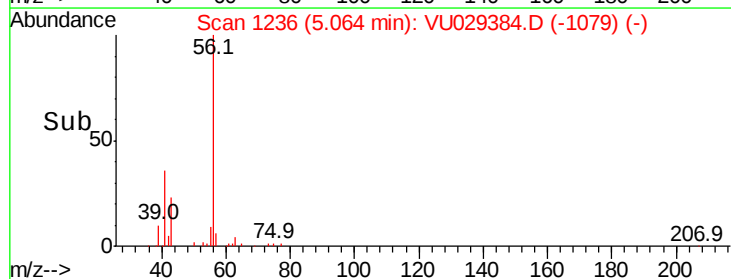
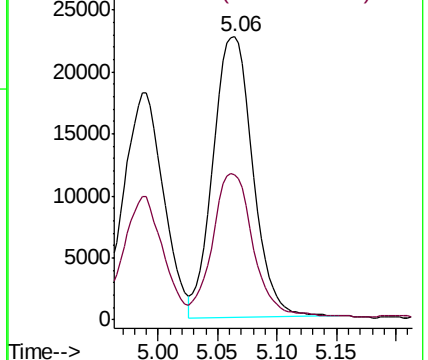
56 100

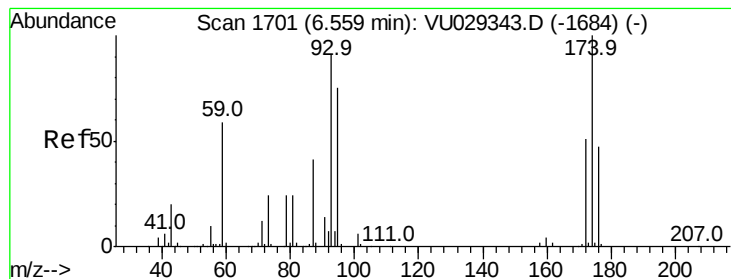
41 51.1 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.041 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

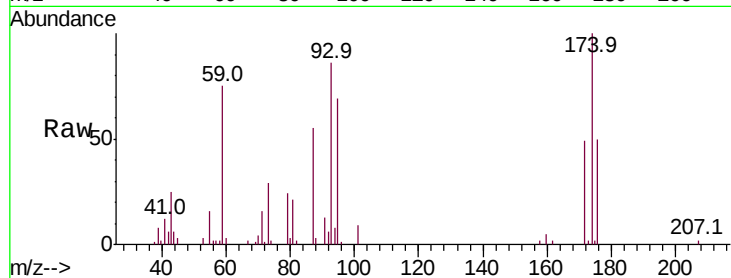
Tot Ion: 93 Resp: 16011

Ion Ratio Lower Upper

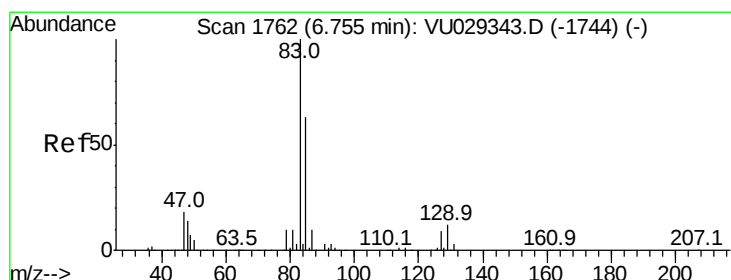
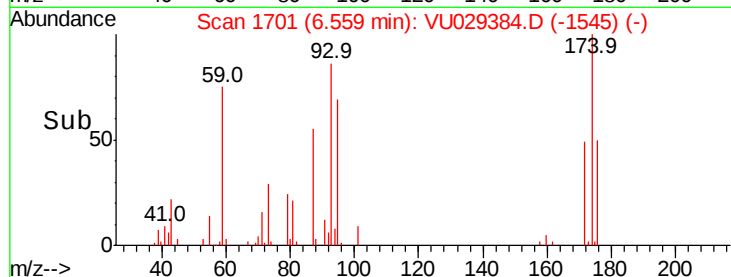
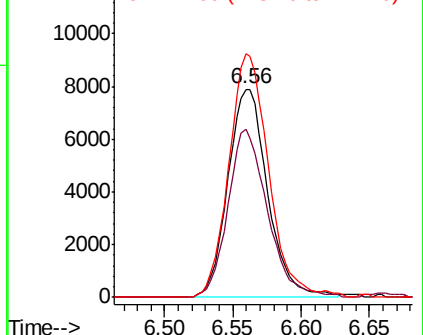
93 100

95 80.2 68.2 102.2

174 116.0 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: 2.013 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

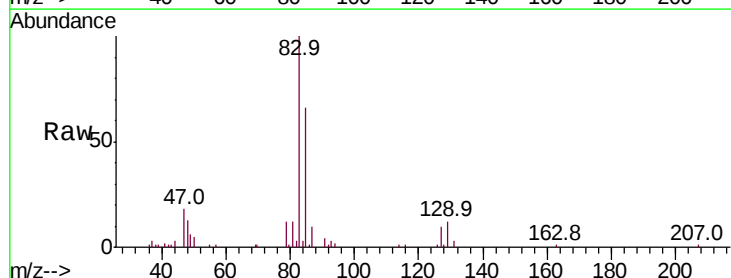
Tgt Ion: 83 Resp: 40235

Ion Ratio Lower Upper

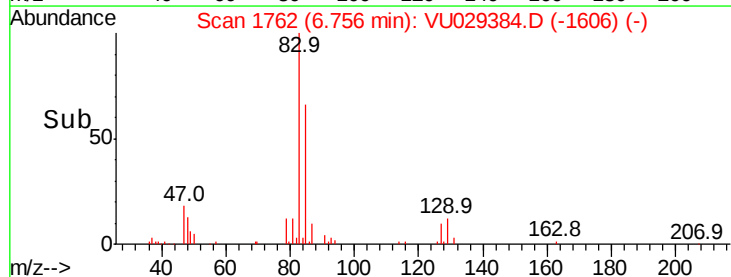
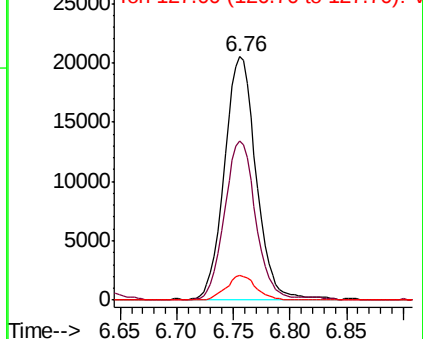
83 100

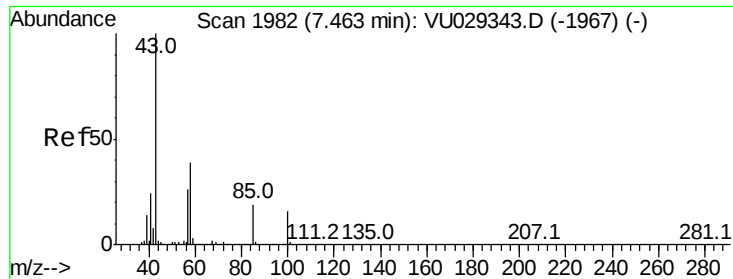
85 65.5 49.2 73.8

127 10.0 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

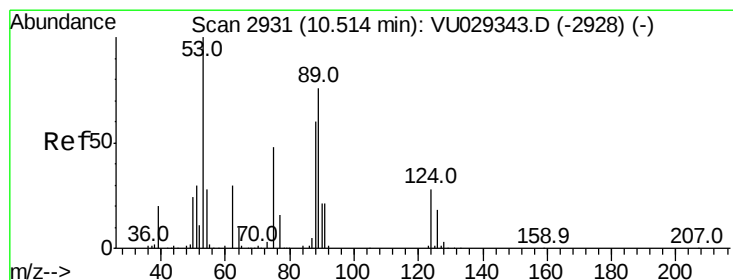
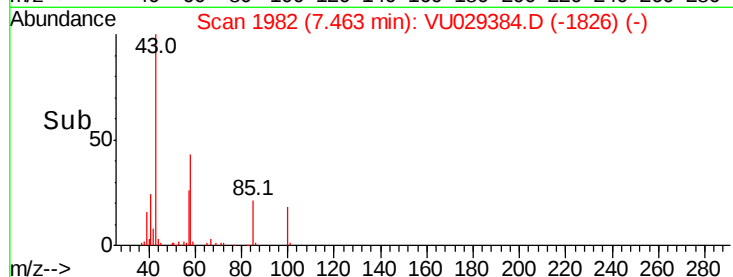
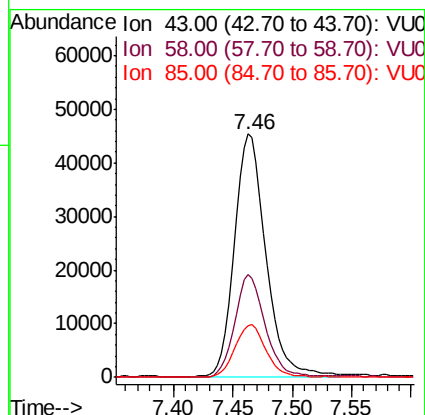
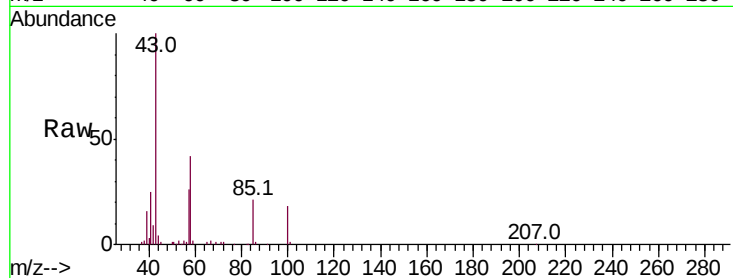




#45
4-Methyl-2-Pentanone
Concen: 8.975 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

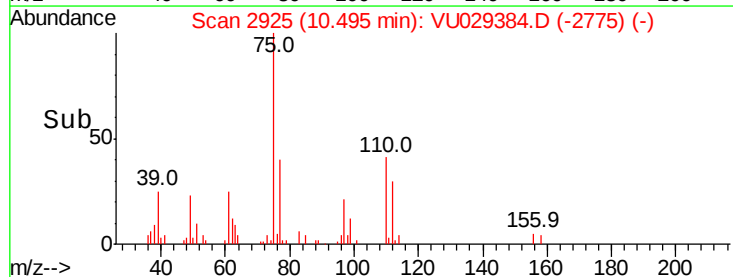
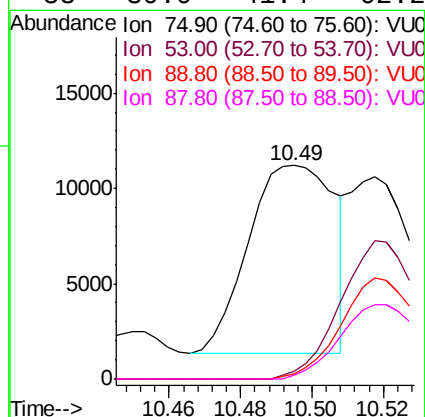
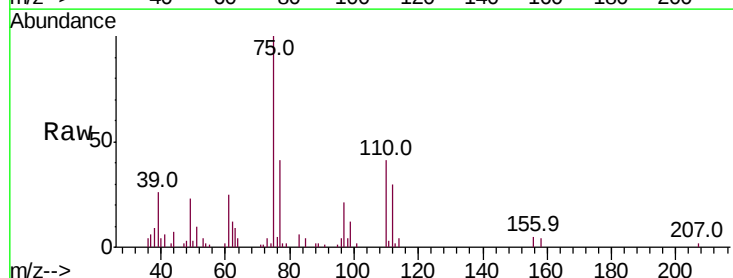
Instrument :
MSVOA_U
ClientSampleId :

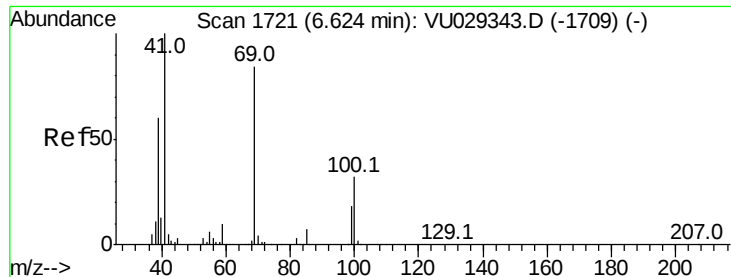
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	17.6	52.8
85	21.4	12.3	18.5#



#46
t-1,4-Dichloro-2-butene
Concen: 3.705 ug/l
RT: 10.49 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
53	71.3	78.2	117.4#
89	52.2	44.2	66.4
88	39.9	41.4	62.2#

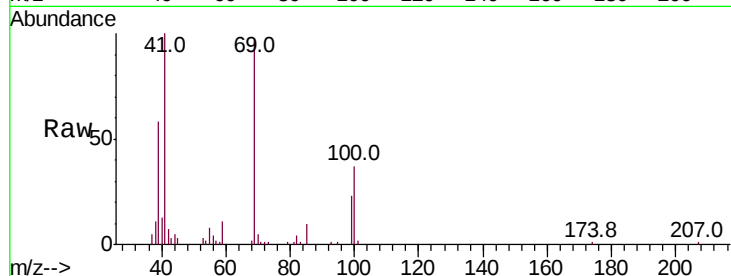




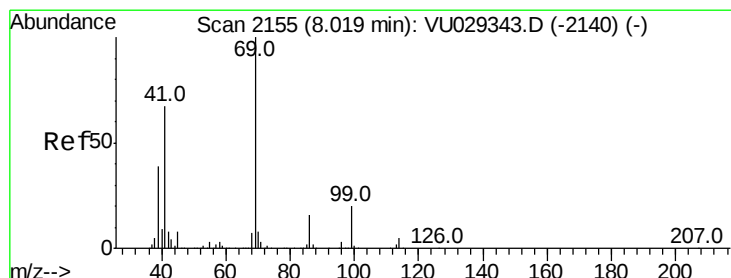
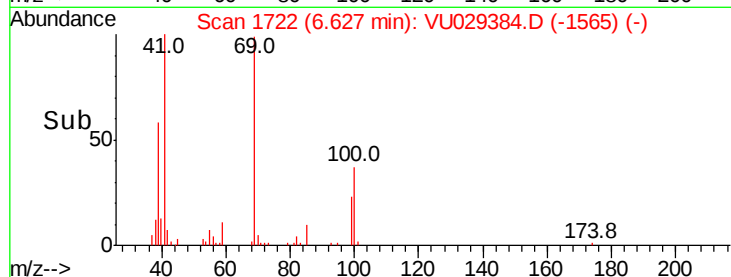
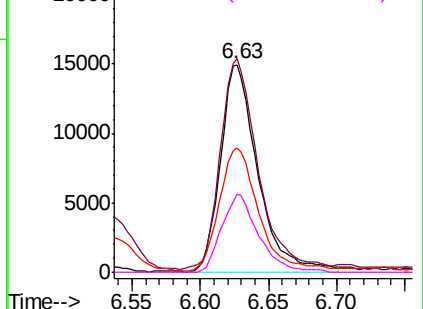
#47
Methyl methacrylate
Concen: 4.130 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 28502
Ion Ratio Lower Upper
69 100
41 101.5 0.0 296.2
39 62.0 71.2 106.8#
100 36.9 28.6 42.8

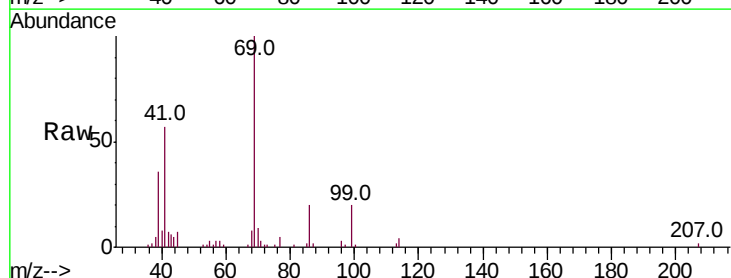


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

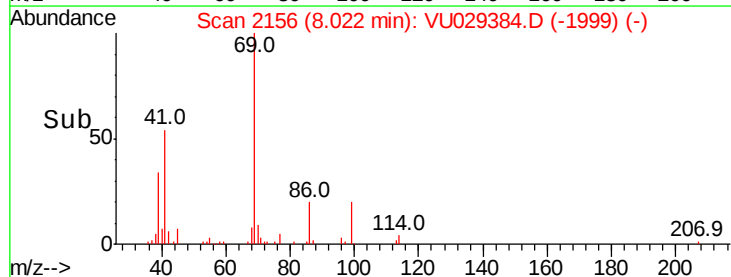
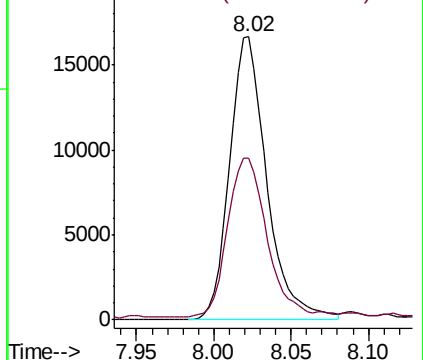


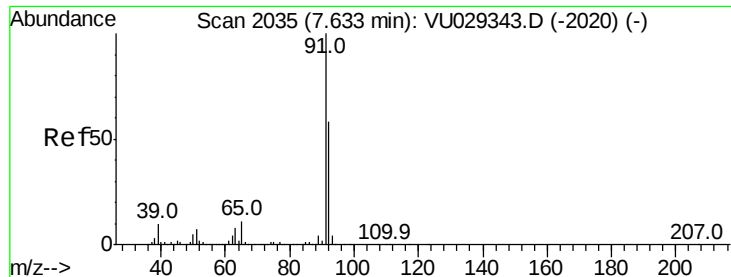
#48
Ethyl methacrylate
Concen: 1.874 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 69 Resp: 27753
Ion Ratio Lower Upper
69 100
41 59.5 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: 2.055 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

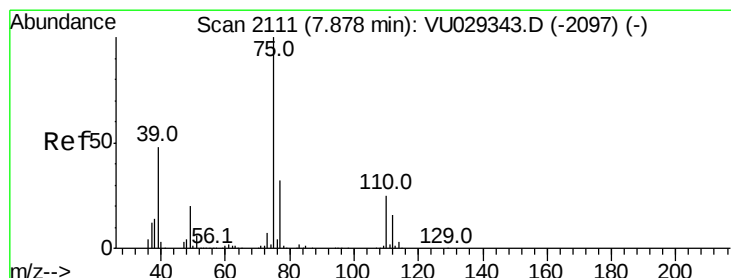
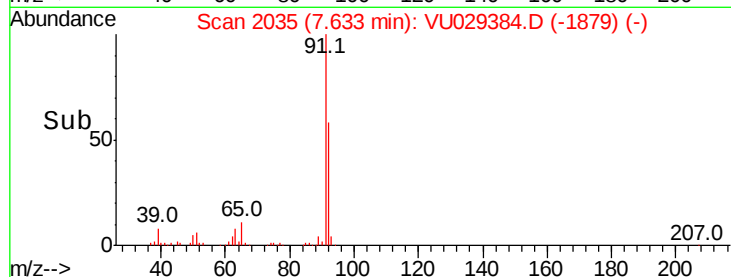
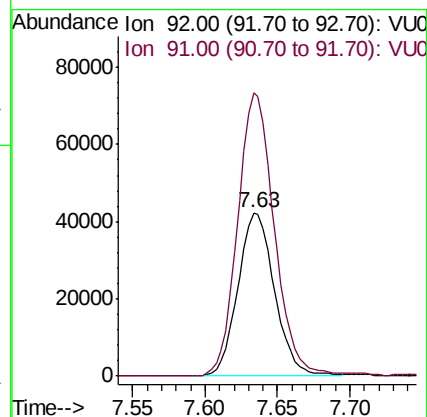
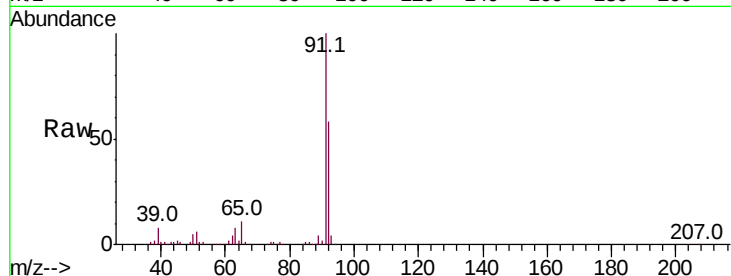
ClientSampleId :

Tot Ion: 92 Resp: 74408

Ion Ratio Lower Upper

92 100

91 173.4 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 1.827 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029384.D

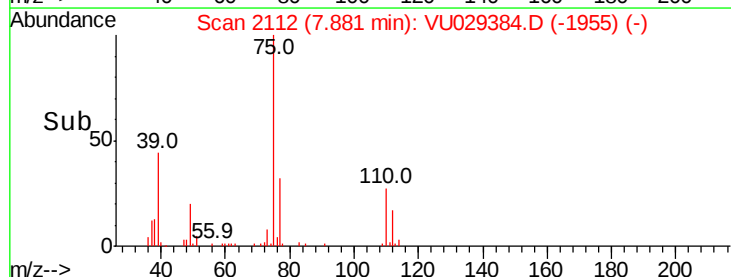
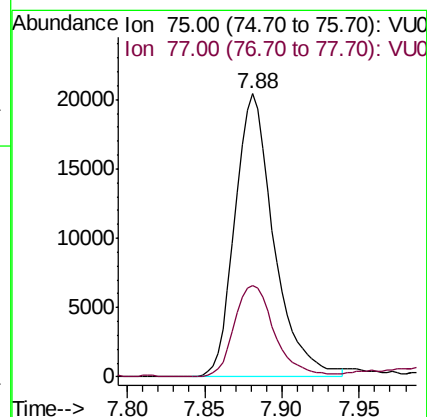
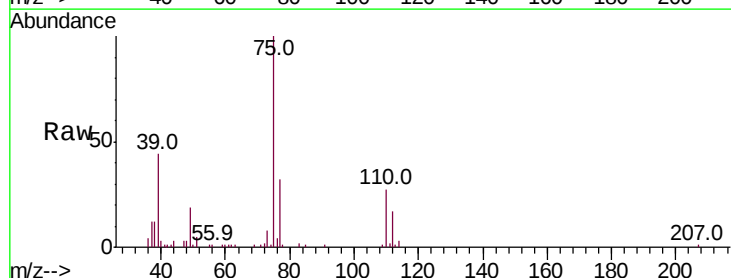
Acq: 08 Feb 2019 17:46

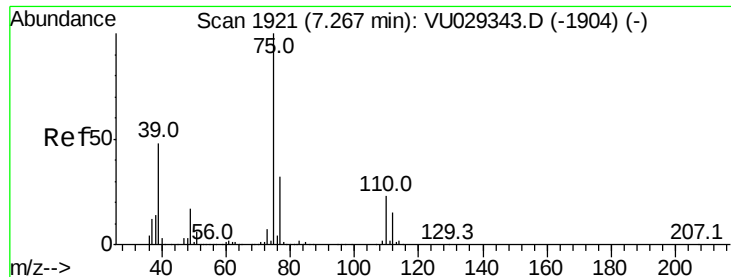
Tgt Ion: 75 Resp: 35794

Ion Ratio Lower Upper

75 100

77 32.3 23.6 35.4

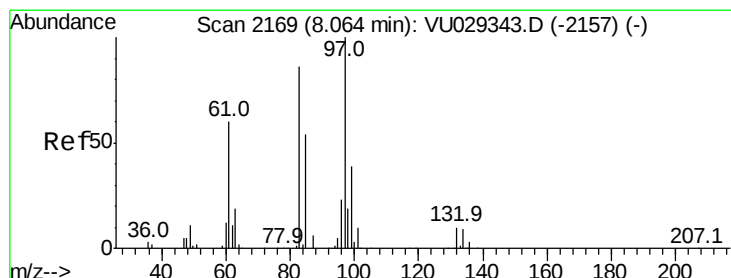
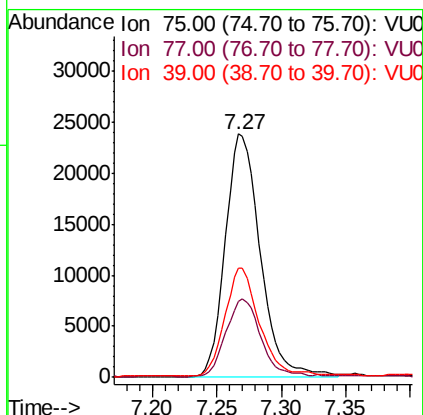
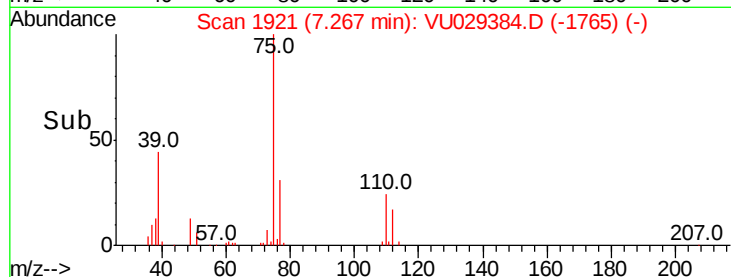
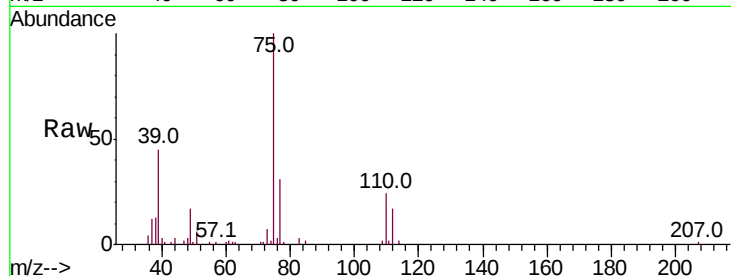




#51
 cis-1,3-Dichloropropene
 Concen: 1.935 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

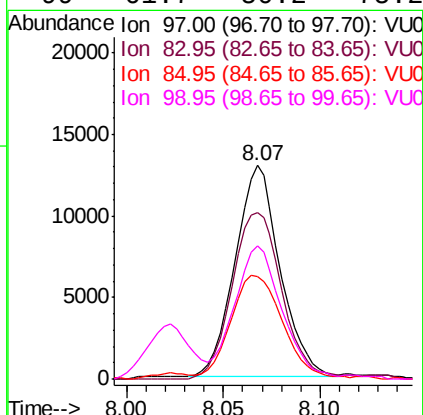
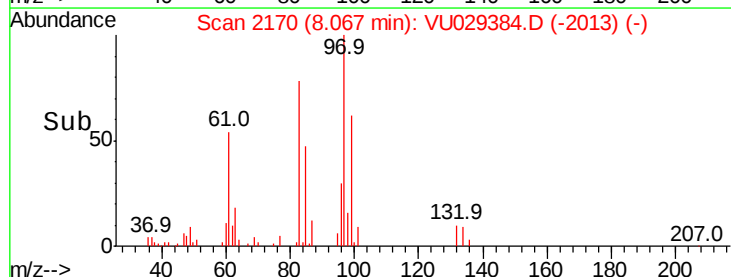
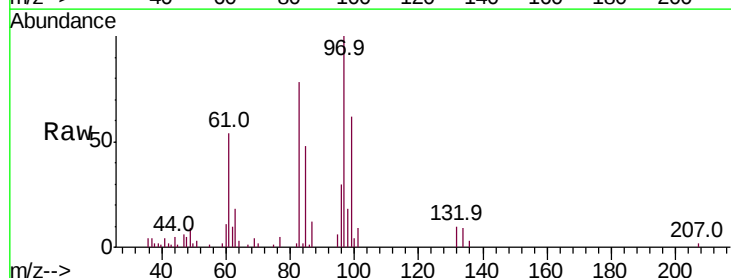
Instrument :
 MSVOA_U
 ClientSampleId :

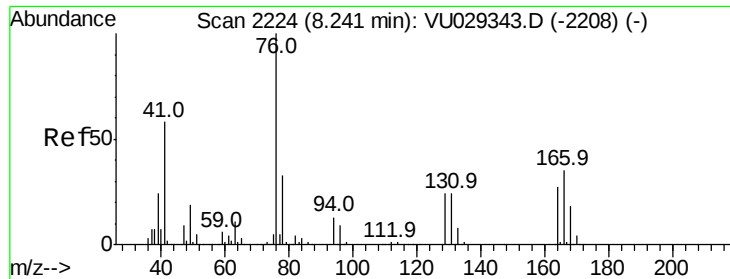
Tot Ion: 75 Resp: 45033
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3
 39 44.5 47.2 70.8#



#52
 1,1,2-Trichloroethane
 Concen: 2.003 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion: 97 Resp: 20797
 Ion Ratio Lower Upper
 97 100
 83 78.9 69.9 104.9
 85 47.5 45.8 68.6
 99 61.7 50.2 75.2





#53

1,3-Dichloropropane

Concen: 2.007 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

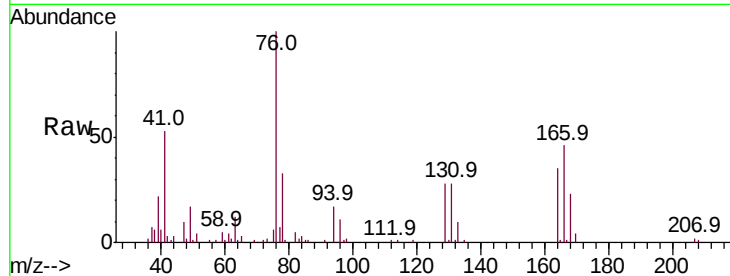
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 36611

Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

8.24

20000

15000

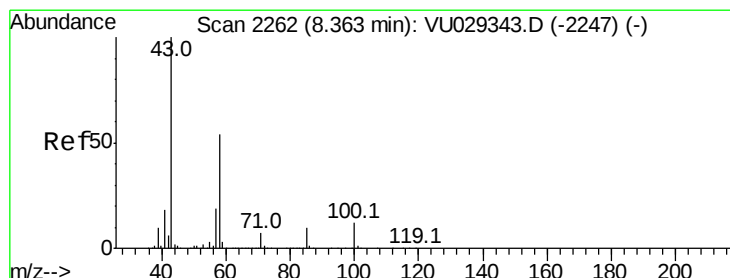
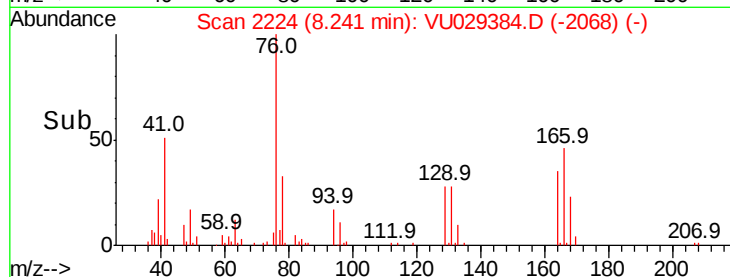
10000

5000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 8.794 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

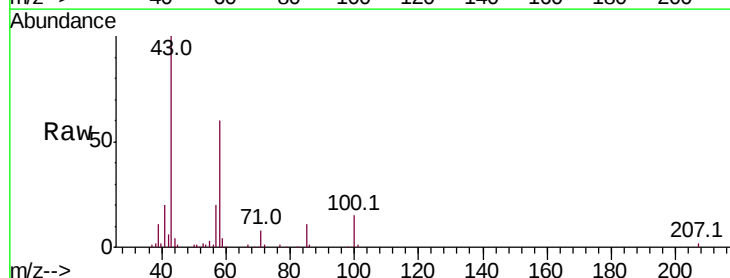
Tgt Ion: 43 Resp: 56682

Ion Ratio Lower Upper

43 100

58 57.7 26.0 66.0

57 21.1 0.0 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

8.37

40000

30000

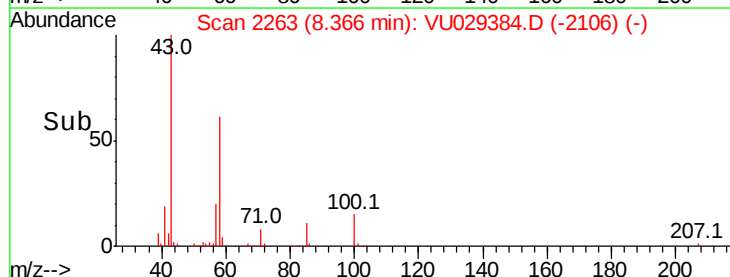
20000

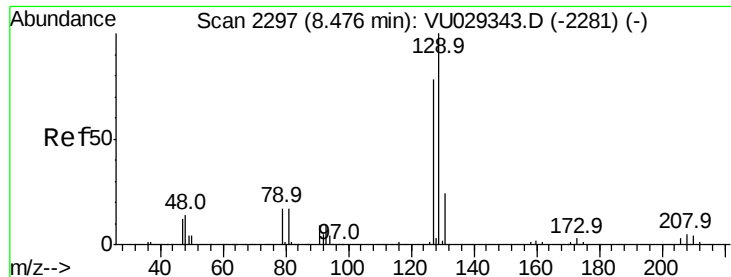
10000

0

8.30 8.35 8.40 8.45

Time-->





#55

Dibromochloromethane

Concen: 2.010 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

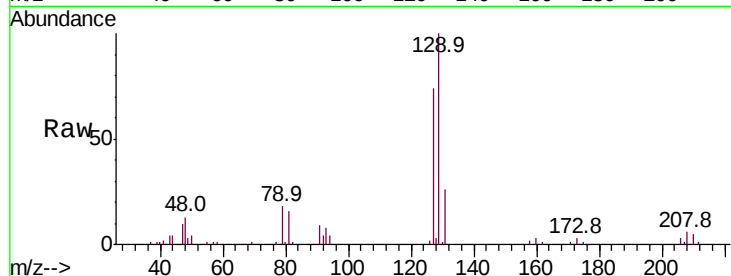
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 29670

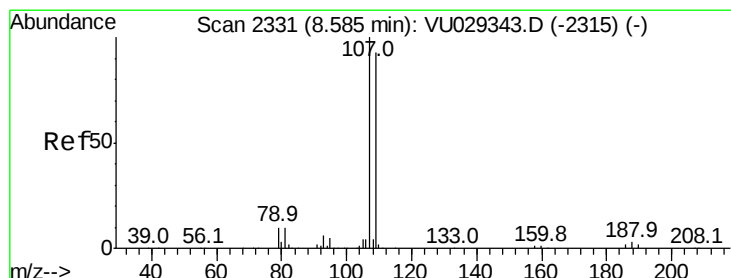
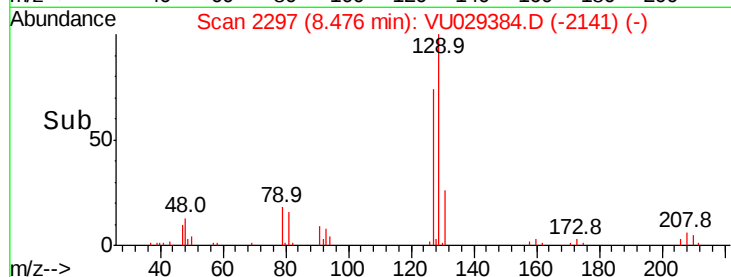
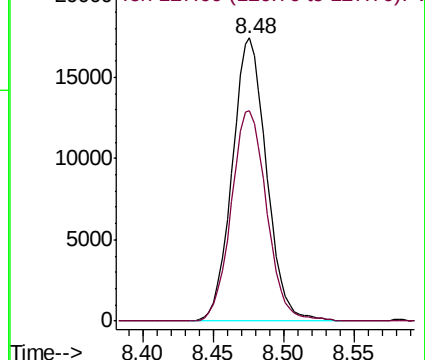
Ion Ratio Lower Upper

129 100

127 76.7 60.5 90.7



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



#56

1,2-Dibromoethane

Concen: 2.161 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU029384.D

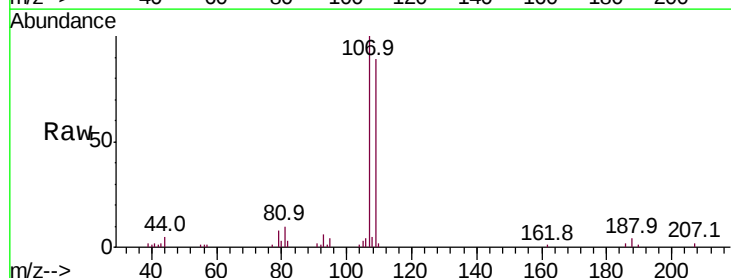
Acq: 08 Feb 2019 17:46

Tgt Ion:107 Resp: 23025

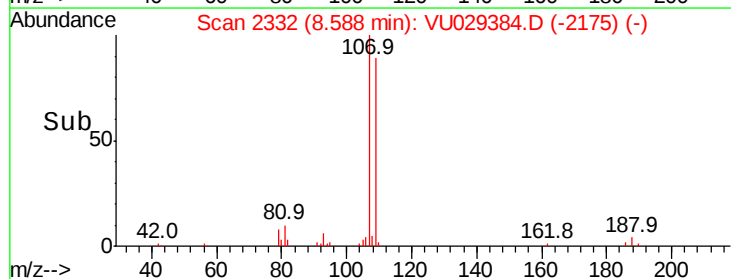
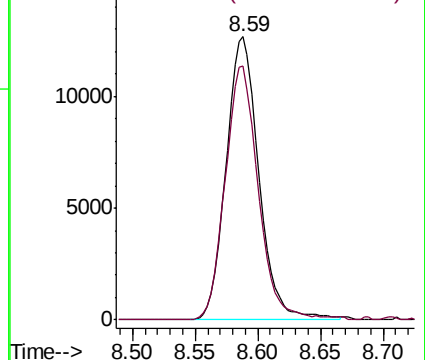
Ion Ratio Lower Upper

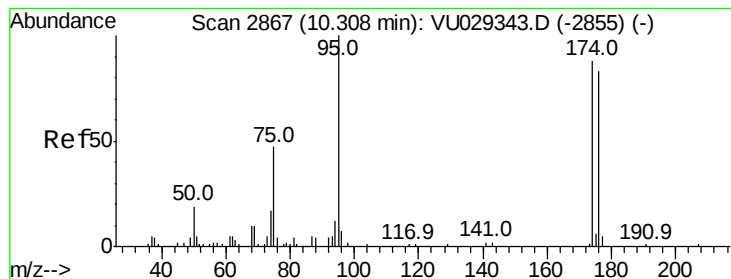
107 100

109 90.0 0.0 189.6



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





#57

4-Bromofluorobenzene

Concen: 2.161 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

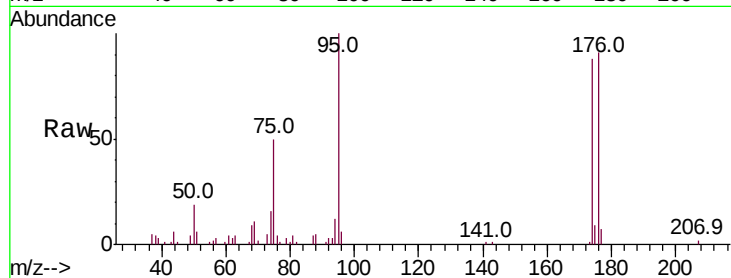
Tot Ion: 95 Resp: 19726

Ion Ratio Lower Upper

95 100

174 91.9 64.2 96.2

176 92.9 62.3 93.5

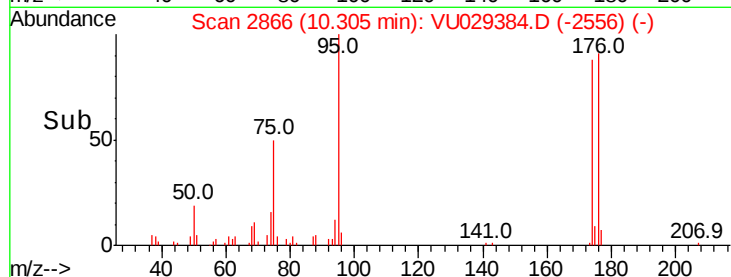


Abundance Ion 95.00 (94.70 to 95.70): VU029384.D (-2855) (-)

Ion 174.00 (173.70 to 174.70): VU029384.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU029384.D (-2855) (-)

Time-->

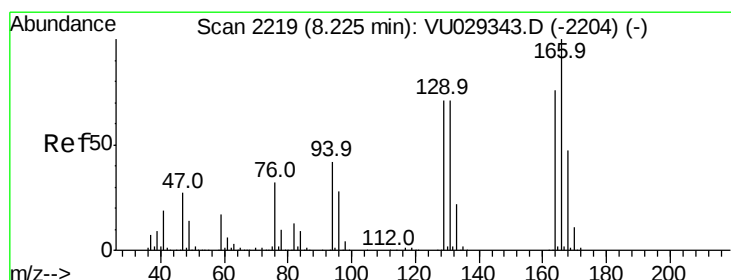


Abundance Ion 95.00 (94.70 to 95.70): VU029384.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU029384.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU029384.D (-2556) (-)

Time-->



#58

Tetrachloroethene

Concen: 2.328 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Tgt Ion:164 Resp: 35180

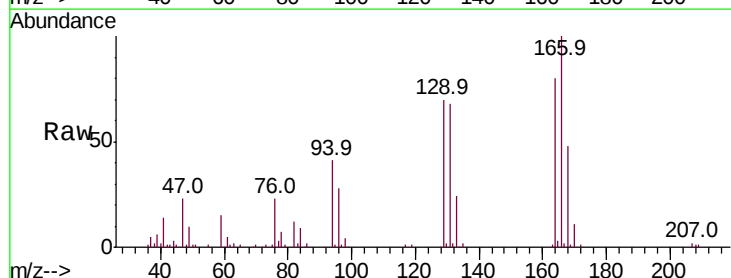
Ion Ratio Lower Upper

164 100

166 125.0 106.6 159.8

129 87.3 79.9 119.9

131 84.7 75.8 113.8



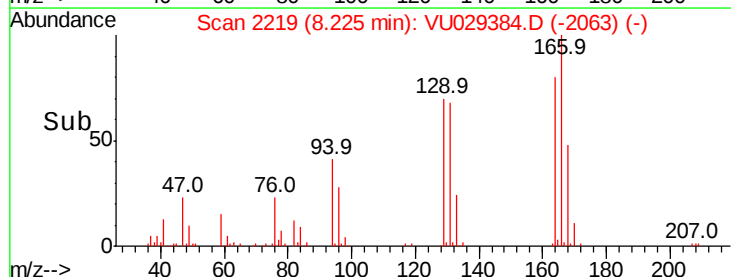
Abundance Ion 163.85 (163.55 to 164.55): VU029384.D (-2204) (-)

Ion 165.80 (165.50 to 166.50): VU029384.D (-2204) (-)

Ion 128.90 (128.60 to 129.60): VU029384.D (-2204) (-)

Ion 130.90 (130.60 to 131.60): VU029384.D (-2204) (-)

Time-->



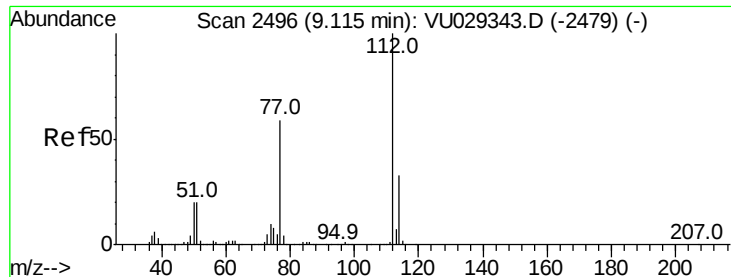
Abundance Ion 163.85 (163.55 to 164.55): VU029384.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029384.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029384.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029384.D (-2063) (-)

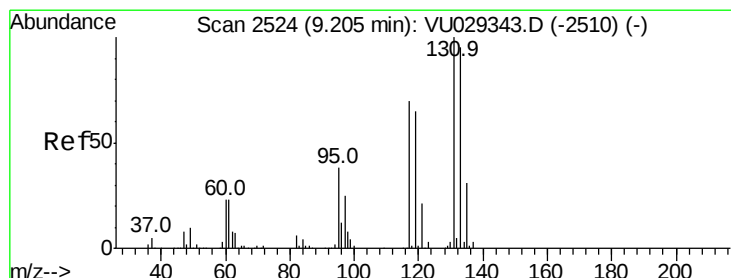
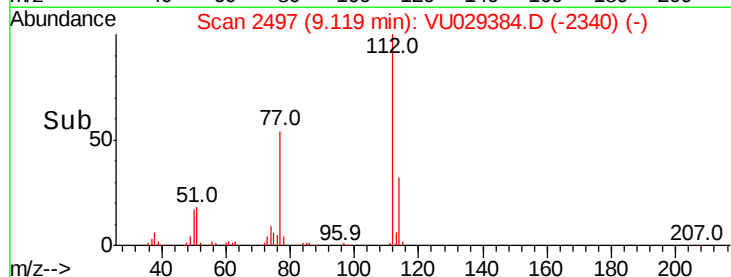
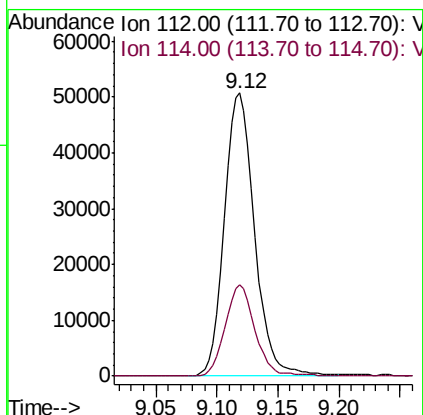
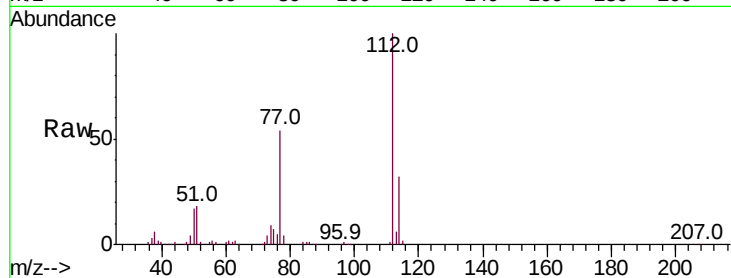
Time-->



#59
Chlorobenzene
Concen: 2.161 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

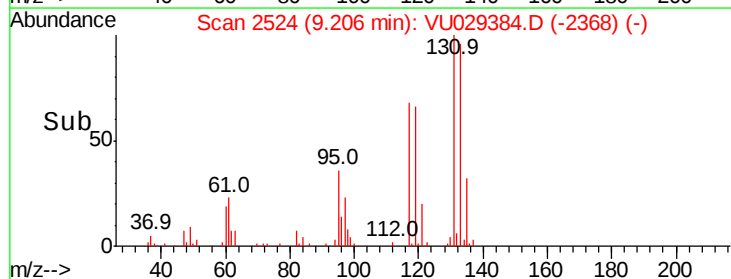
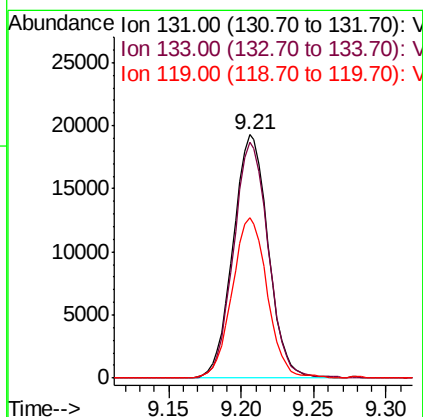
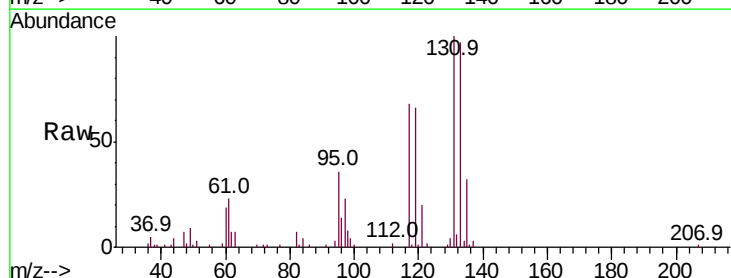
Instrument :
MSVOA_U
ClientSampleId :

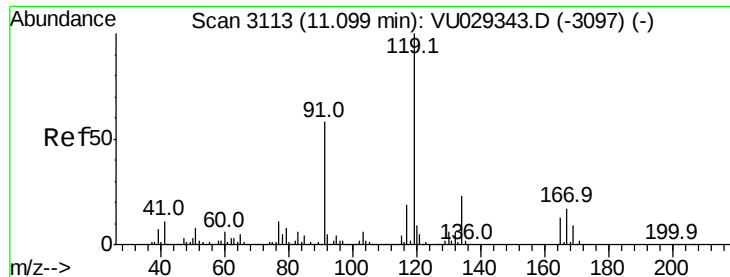
Tot Ion:112 Resp: 88148
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#60
1,1,1,2-Tetrachloroethane
Concen: 2.158 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion:131 Resp: 32517
Ion Ratio Lower Upper
131 100
133 95.9 77.3 115.9
119 65.7 48.9 73.3

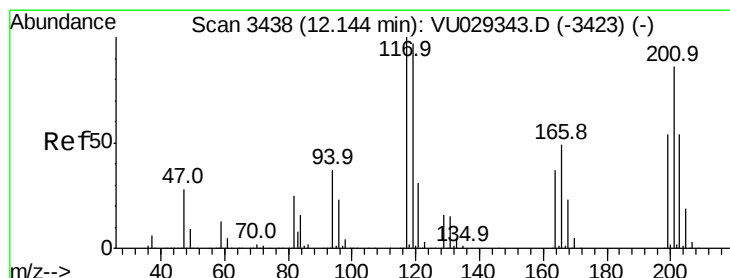
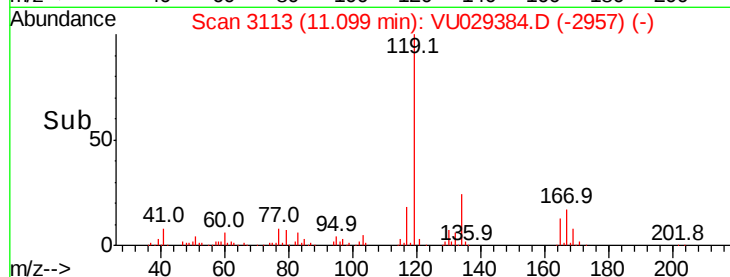
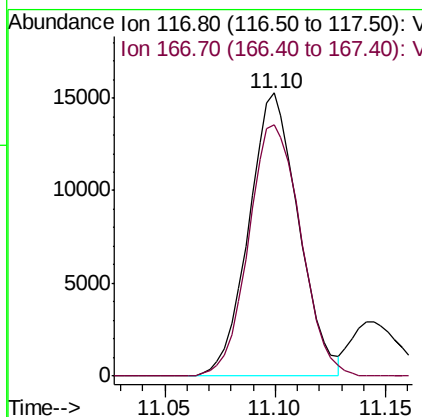
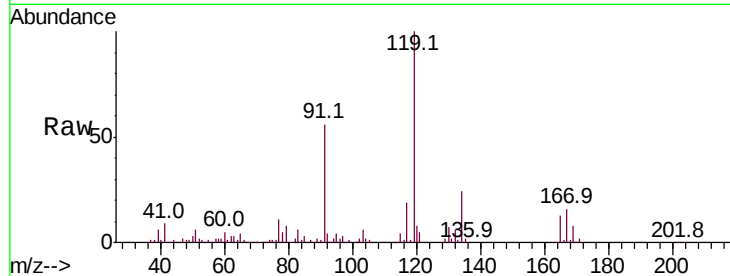




#61
Pentachloroethane
Concen: 2.044 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

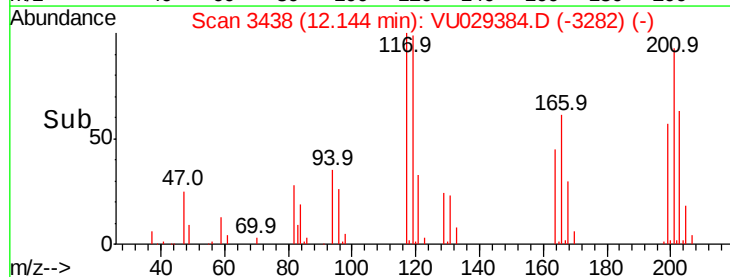
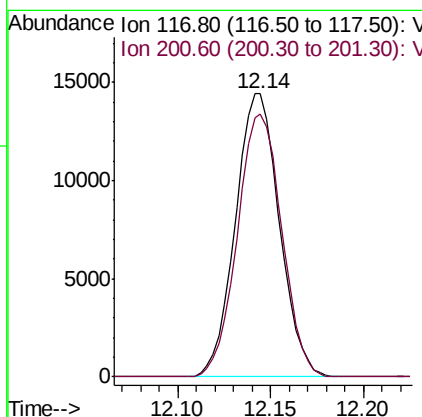
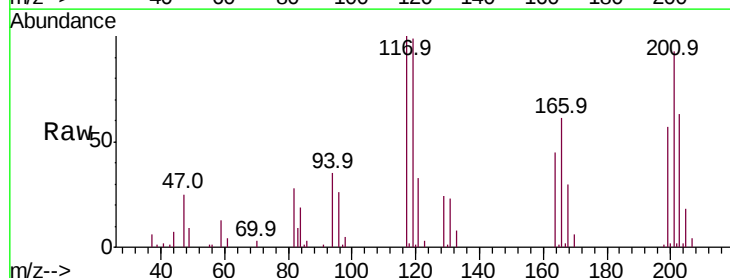
Instrument :
MSVOA_U
ClientSampleId :

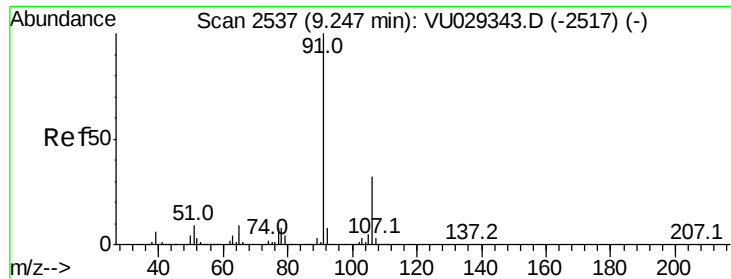
Tot Ion:117 Resp: 23873
Ion Ratio Lower Upper
117 100
167 92.8 65.9 98.9



#62
Hexachloroethane
Concen: 1.860 ug/l
RT: 12.14 min Scan# 3438
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion:117 Resp: 23708
Ion Ratio Lower Upper
117 100
201 93.7 68.2 102.2

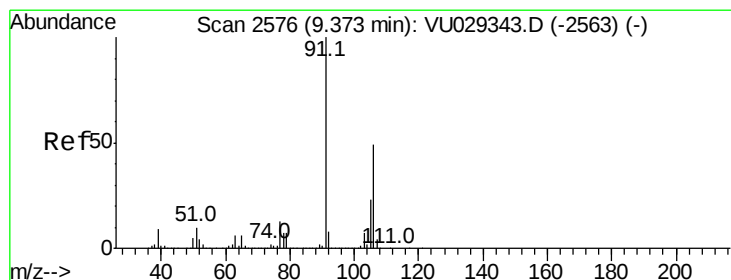
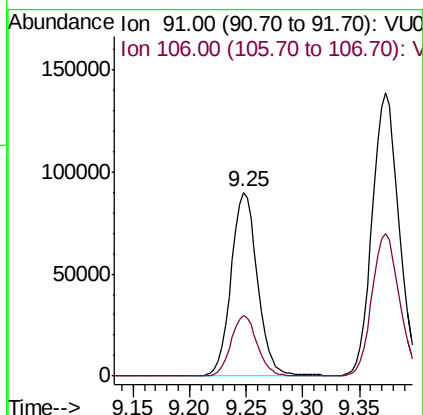
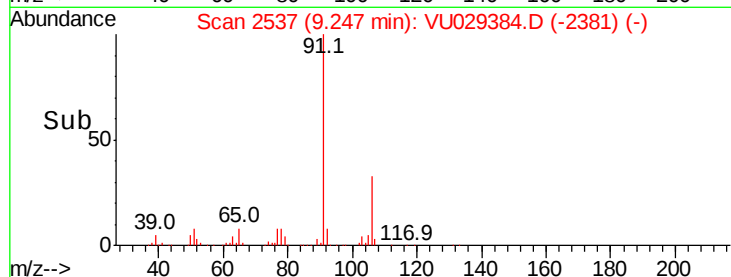
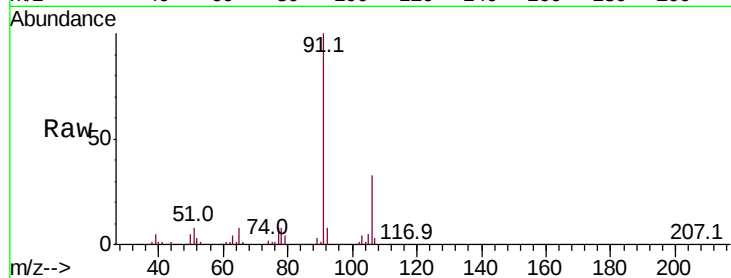




#63
Ethyl Benzene
Concen: 2.072 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

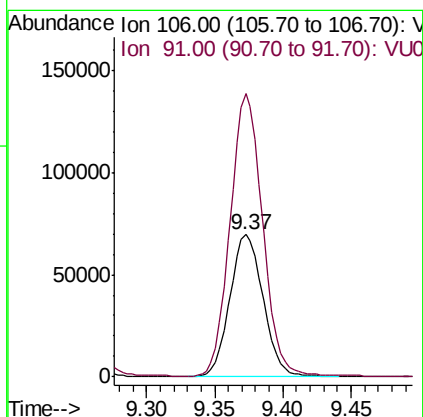
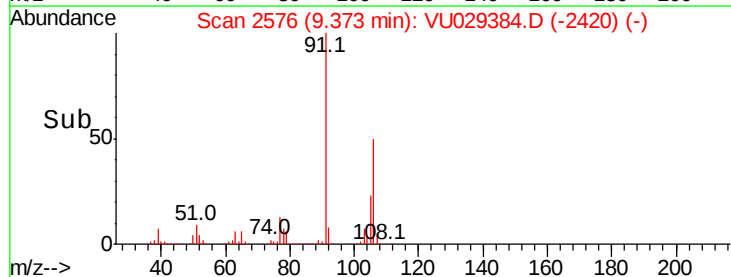
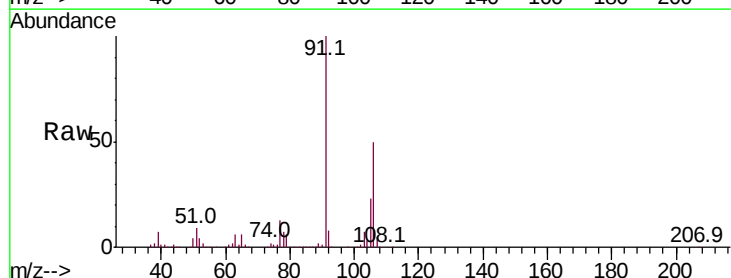
Instrument :
MSVOA_U
ClientSampleId :

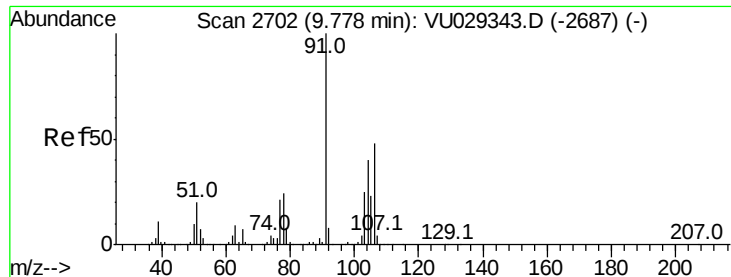
Tot Ion: 91 Resp: 146782
Ion Ratio Lower Upper
91 100
106 32.8 23.8 35.6



#64
m/p-Xylenes
Concen: 4.305 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion: 106 Resp: 118510
Ion Ratio Lower Upper
106 100
91 192.3 174.6 261.8





#65

o-Xylene

Concen: 2.105 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

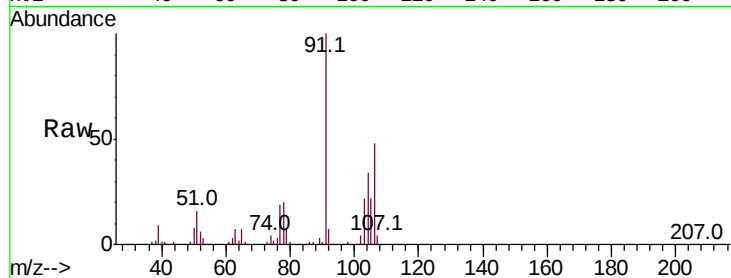
ClientSampleId :

Tot Ion:106 Resp: 56890

Ion Ratio Lower Upper

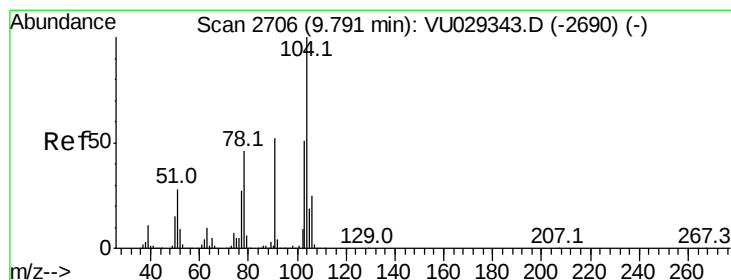
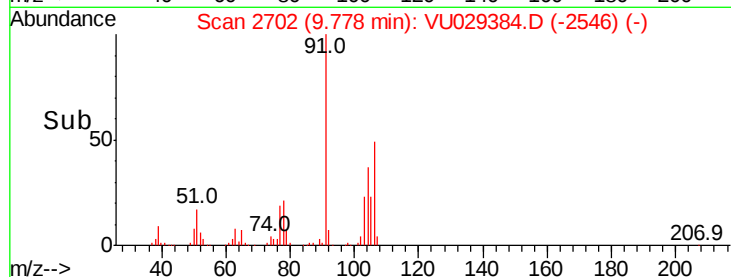
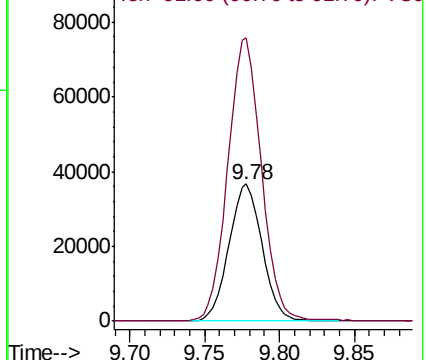
106 100

91 207.2 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 2.098 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

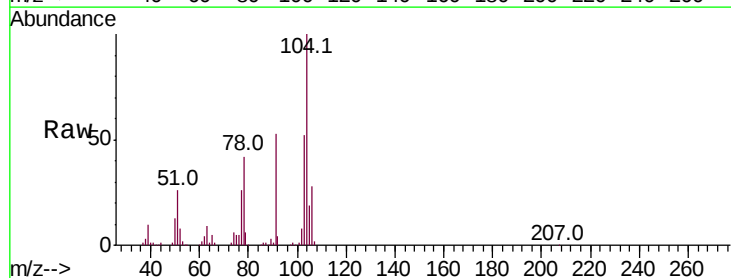
Tgt Ion:104 Resp: 94497

Ion Ratio Lower Upper

104 100

78 47.0 46.5 69.7

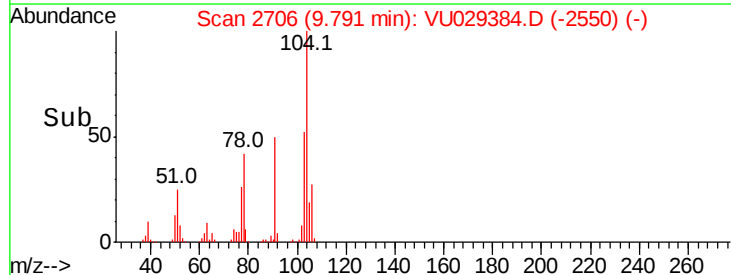
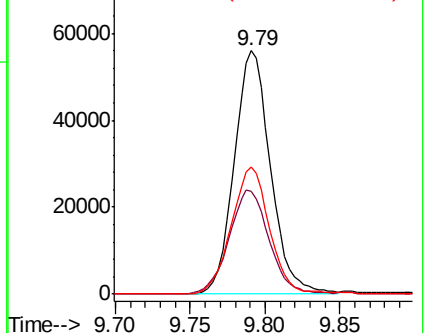
103 55.5 44.7 67.1

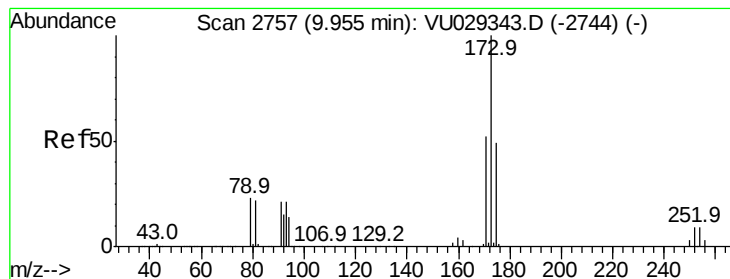


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.030 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :

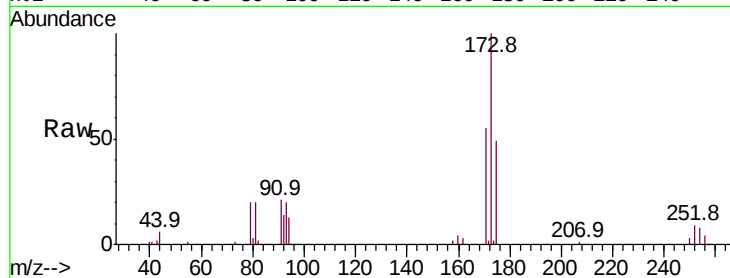
Tot Ion:173 Resp: 18636

Ion Ratio Lower Upper

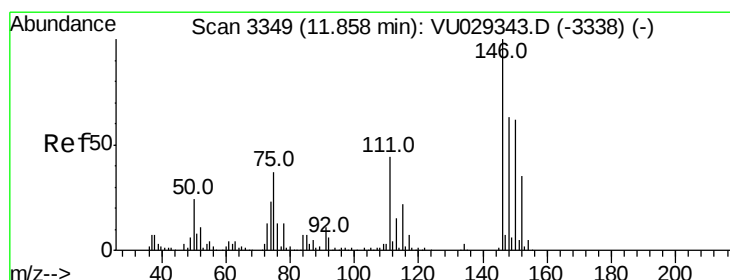
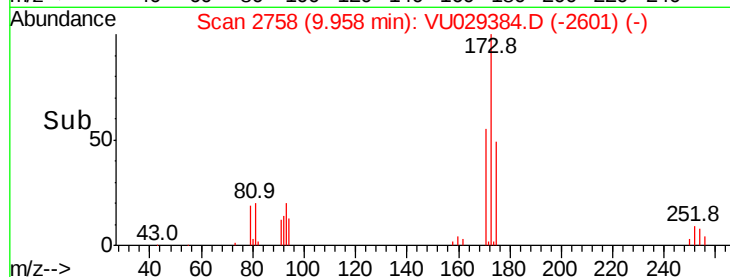
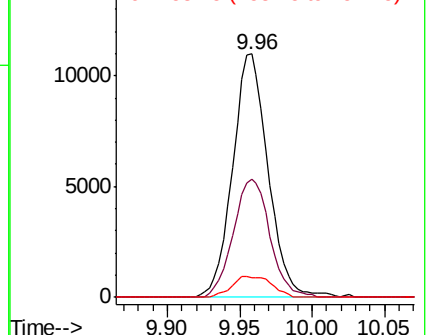
173 100

175 50.0 38.9 58.3

254 9.6 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
15000 Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 2.030 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

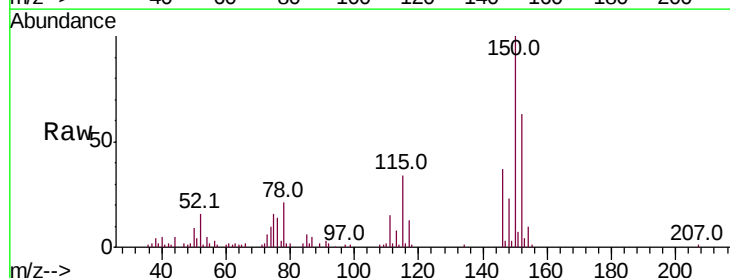
Tgt Ion:152 Resp: 21911

Ion Ratio Lower Upper

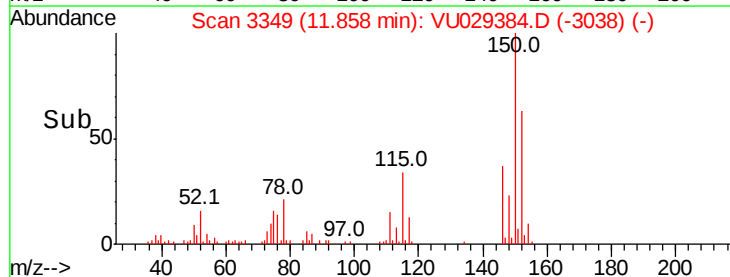
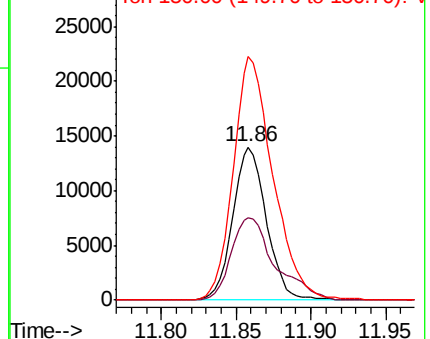
152 100

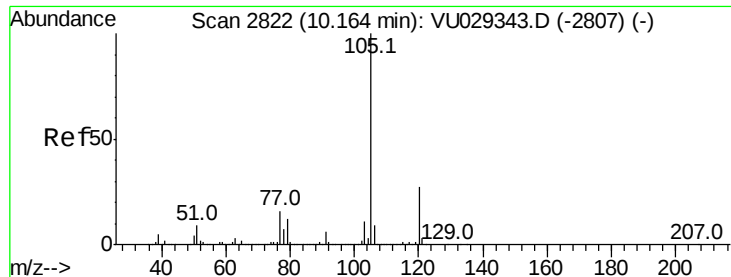
115 69.9 0.0 133.4

150 187.7 0.0 670.8



Abundance Ion 152.00 (151.70 to 152.70): V
30000 Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 2.108 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

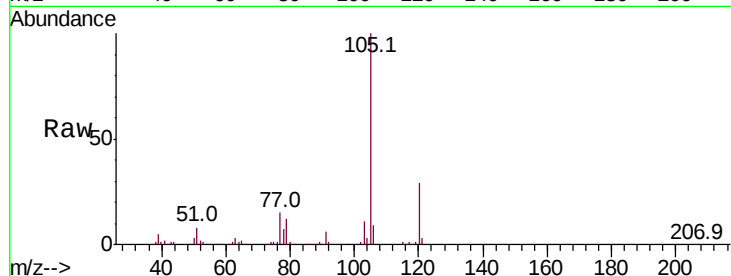
ClientSampleId :

Tot Ion:105 Resp: 152159

Ion Ratio Lower Upper

105 100

120 27.8 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

80000

60000

40000

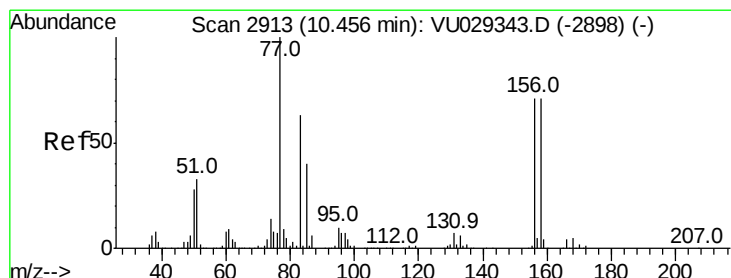
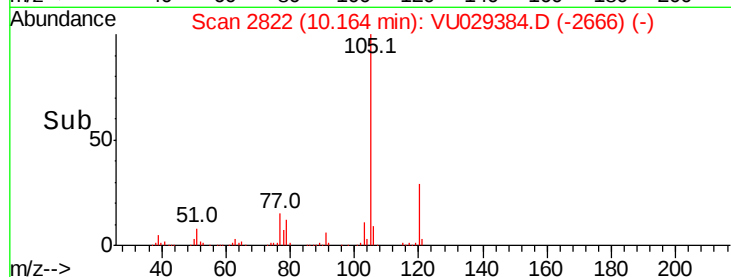
20000

0

Time-->

10.10

10.20



#70

1,1,2,2-Tetrachloroethane

Concen: 2.086 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

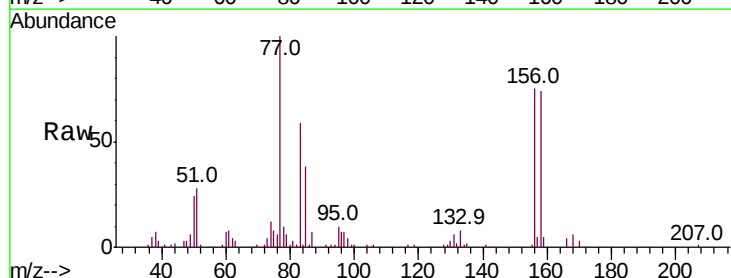
Tgt Ion: 83 Resp: 27762

Ion Ratio Lower Upper

83 100

131 10.5 8.1 12.1

85 64.3 50.3 75.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

20000

15000

10000

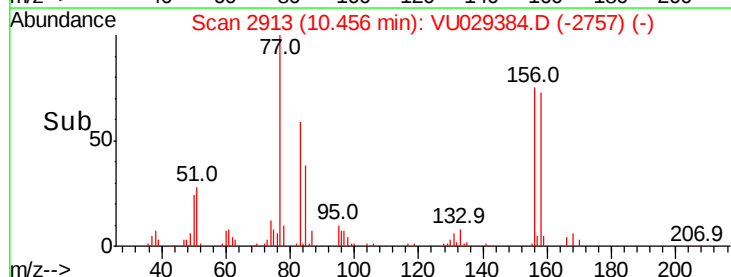
5000

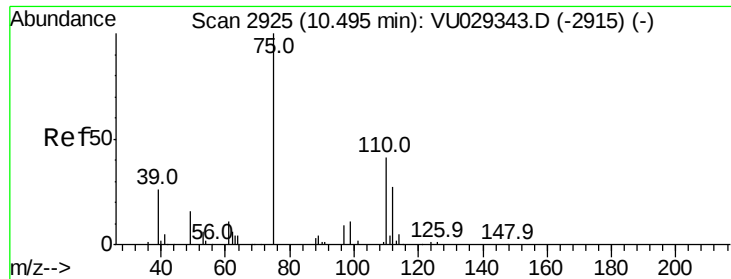
0

Time-->

10.40

10.50





#71

1,2,3-Trichloropropane

Concen: 1.816 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 16597

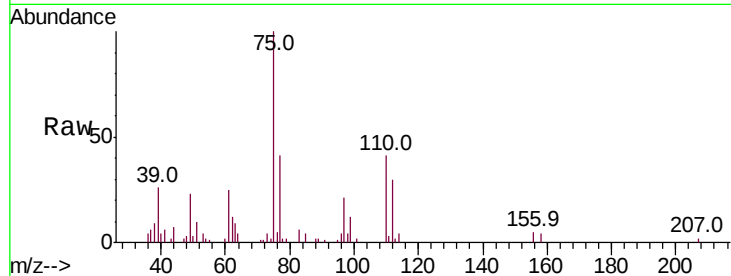
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 44.5 0.0 63.6

97 22.6 0.0 31.4

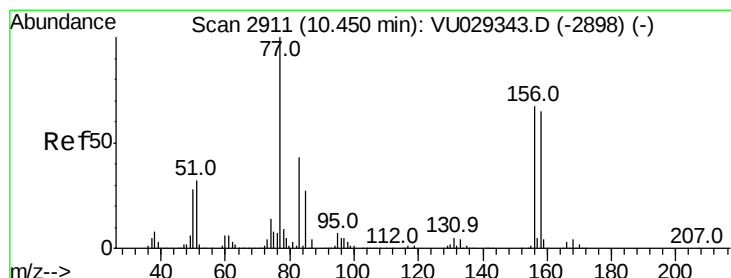
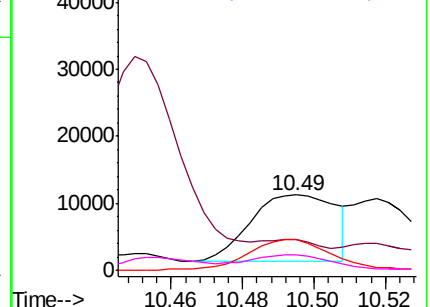
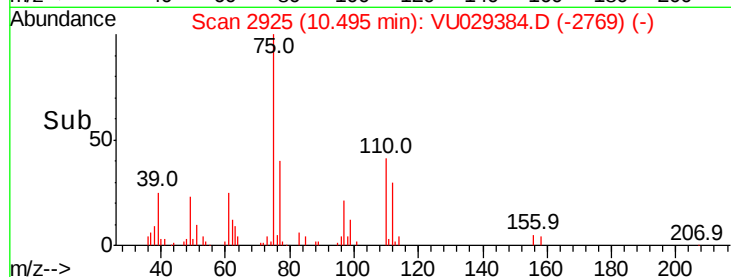


Abundance Ion 75.00 (74.70 to 75.70): VU0

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



#72

Bromobenzene

Concen: 2.256 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

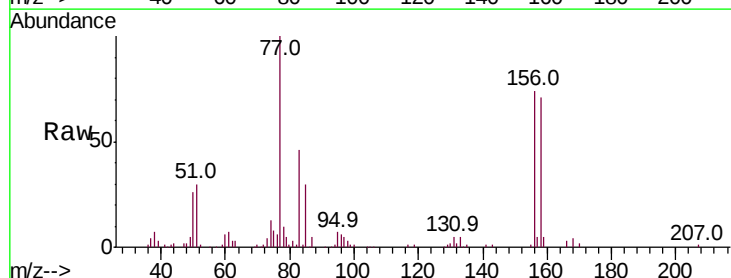
Tgt Ion: 156 Resp: 39473

Ion Ratio Lower Upper

156 100

77 136.8 0.0 343.8

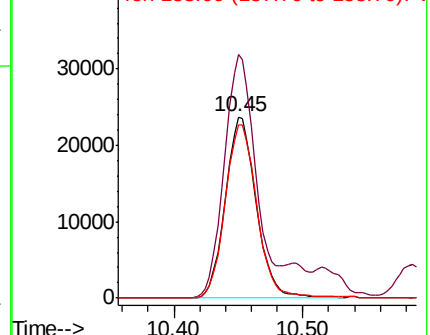
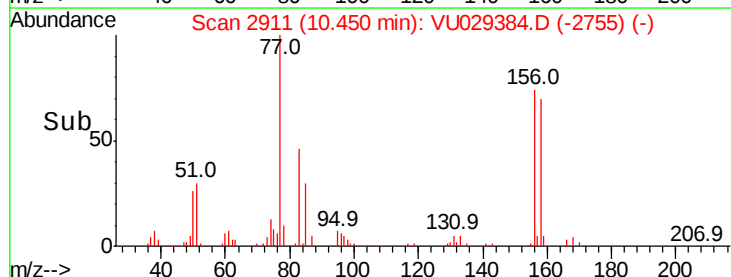
158 97.8 0.0 195.0

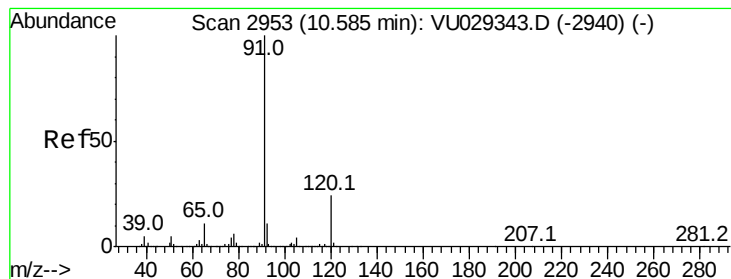


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 2.196 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

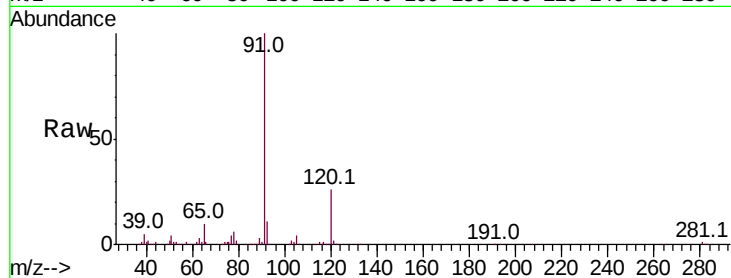
ClientSampled :

Tot Ion:120 Resp: 44163

Ion Ratio Lower Upper

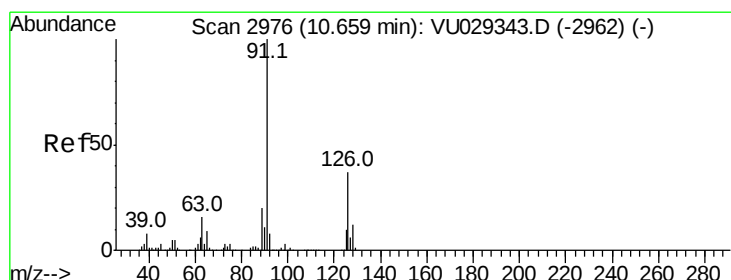
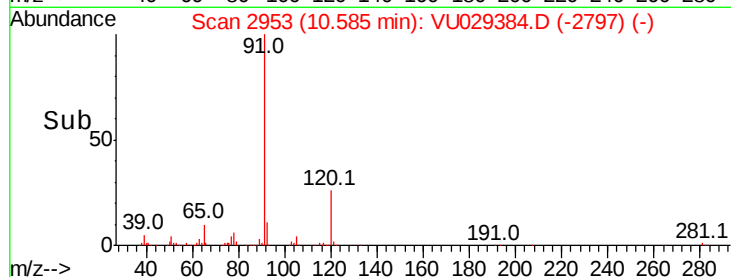
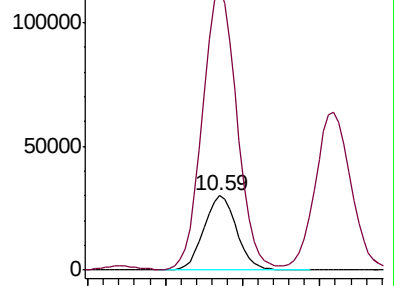
120 100

91 393.4 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.168 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029384.D

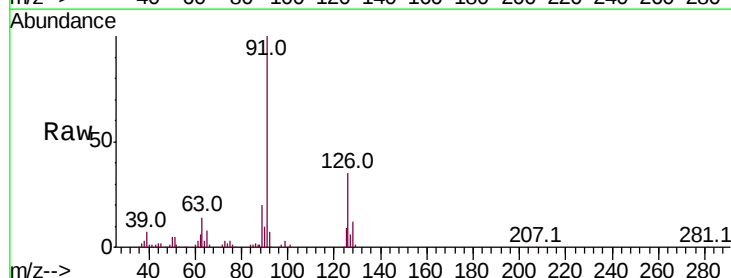
Acq: 08 Feb 2019 17:46

Tgt Ion:126 Resp: 37112

Ion Ratio Lower Upper

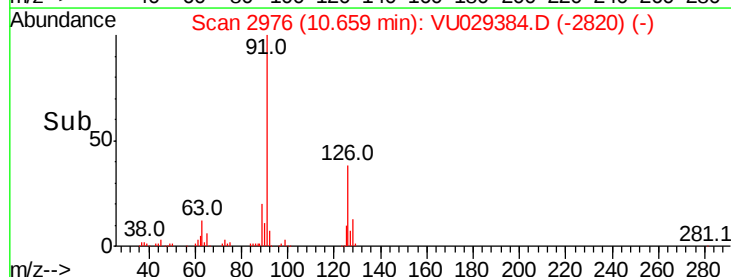
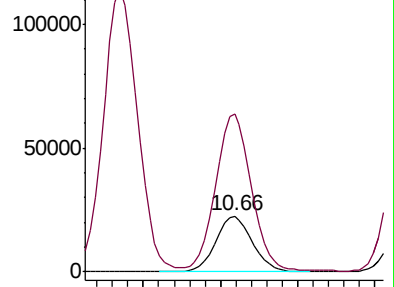
126 100

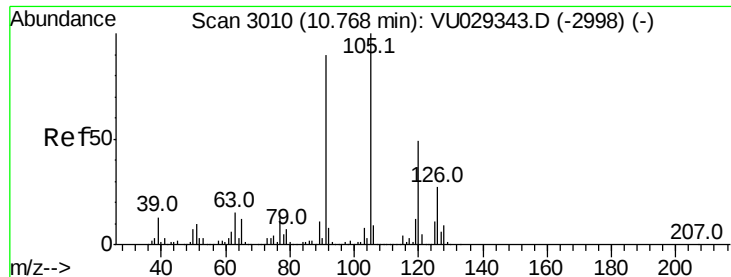
91 271.1 0.0 643.0



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: 2.032 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

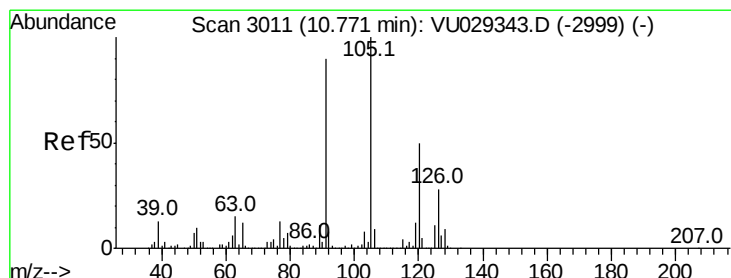
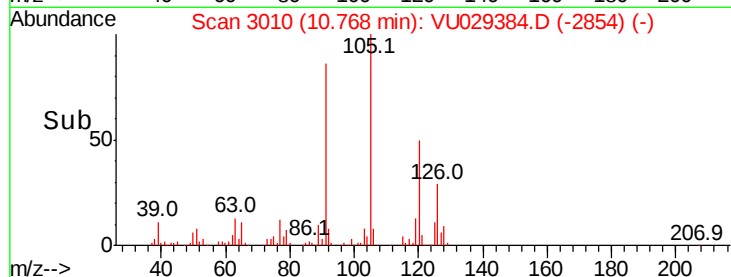
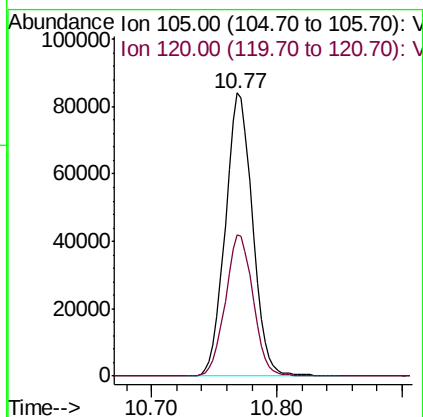
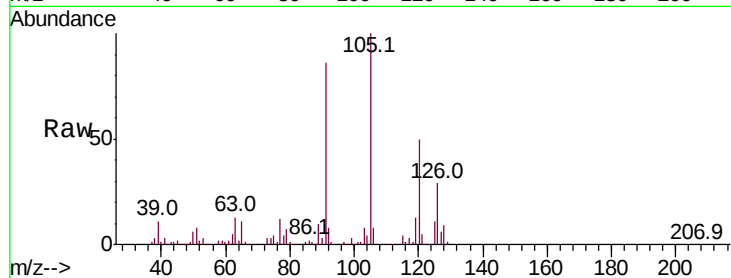
ClientSampled :

Tot Ion:105 Resp: 126464

Ion Ratio Lower Upper

105 100

120 50.9 37.3 55.9



#76

4-Chlorotoluene

Concen: 2.184 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029384.D

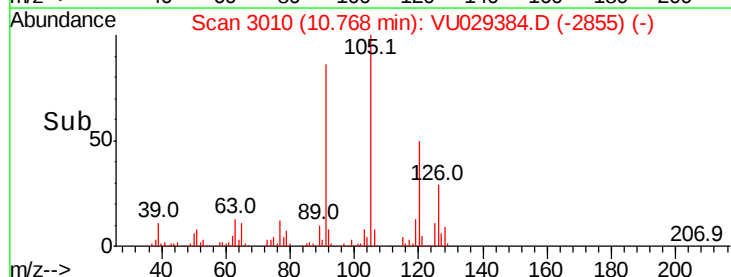
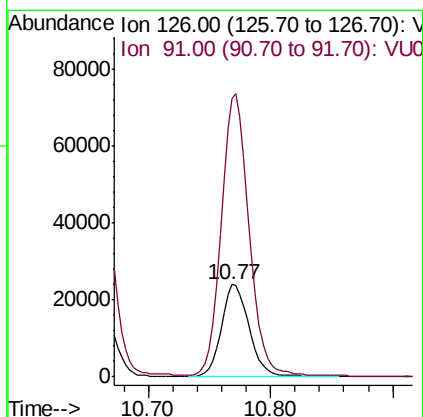
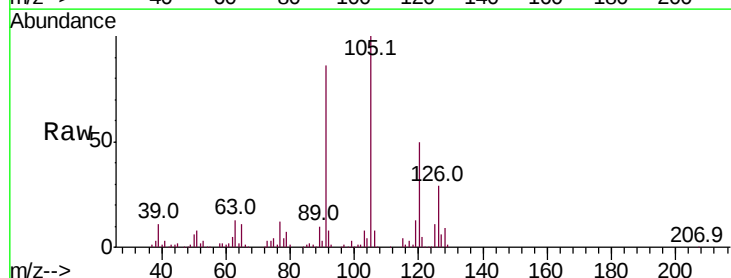
Acq: 08 Feb 2019 17:46

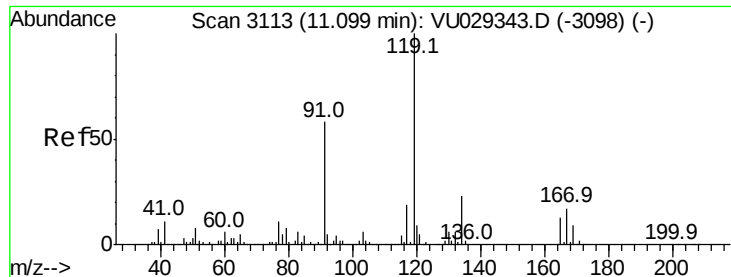
Tgt Ion:126 Resp: 38808

Ion Ratio Lower Upper

126 100

91 299.4 0.0 727.4

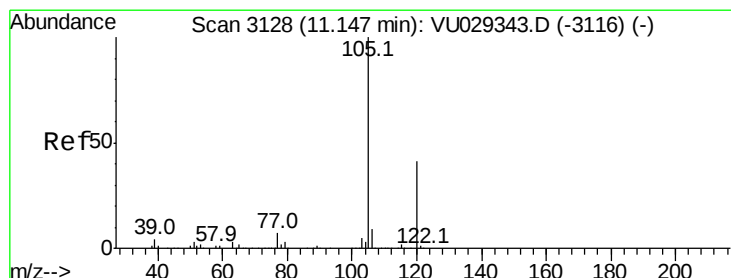
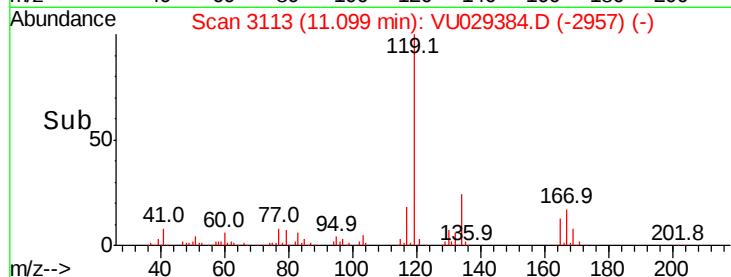
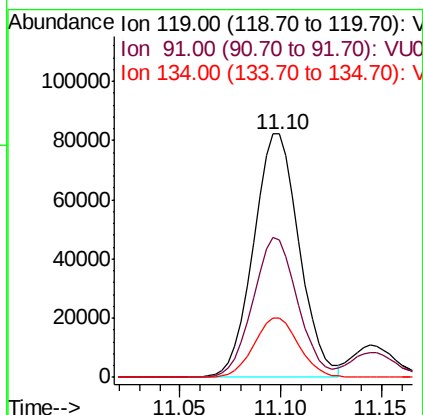
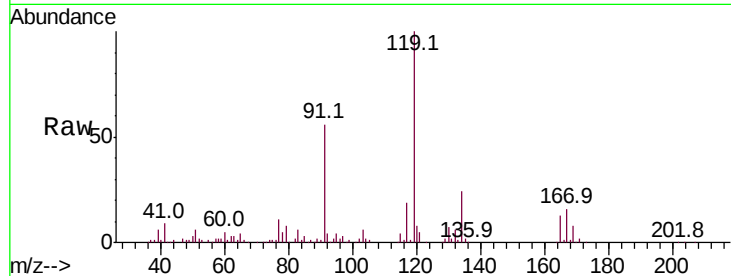




#77
tert-Butylbenzene
Concen: 2.115 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

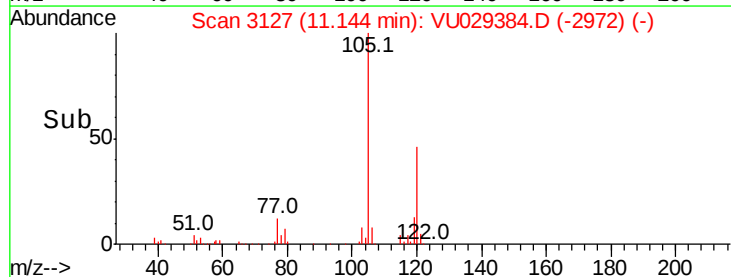
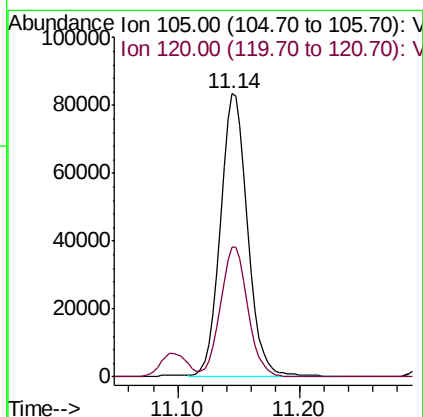
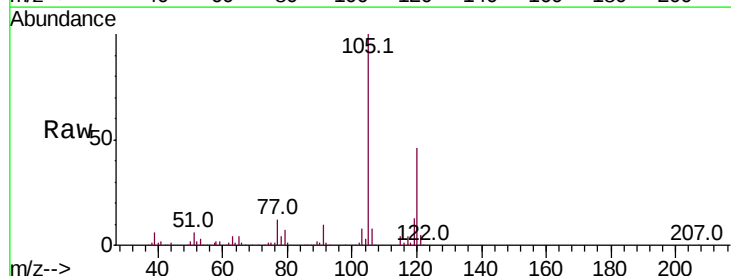
Instrument :
MSVOA_U
ClientSampled :

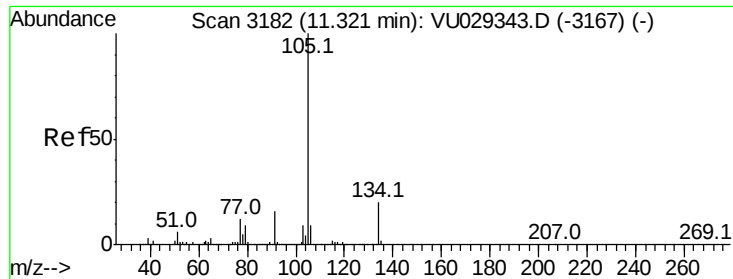
Tot Ion:119 Resp: 130107
Ion Ratio Lower Upper
119 100
91 56.5 32.2 96.6
134 24.0 17.6 26.4



#78
1,2,4-Trimethylbenzene
Concen: 2.062 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU029384.D
Acq: 08 Feb 2019 17:46

Tgt Ion:105 Resp: 129899
Ion Ratio Lower Upper
105 100
120 46.2 21.4 64.3

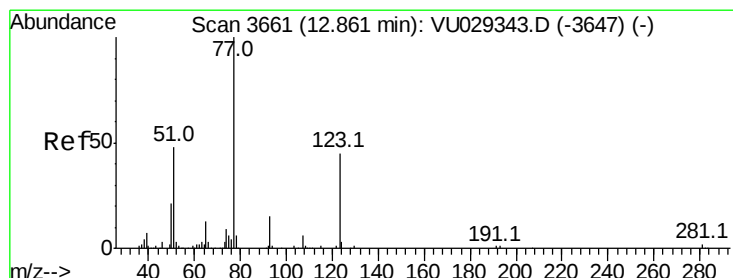
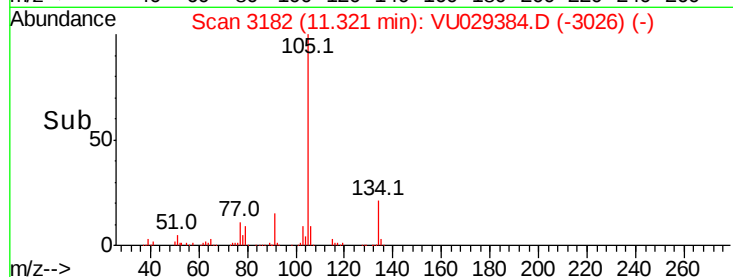
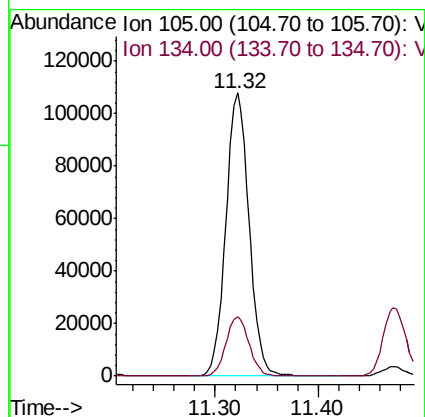
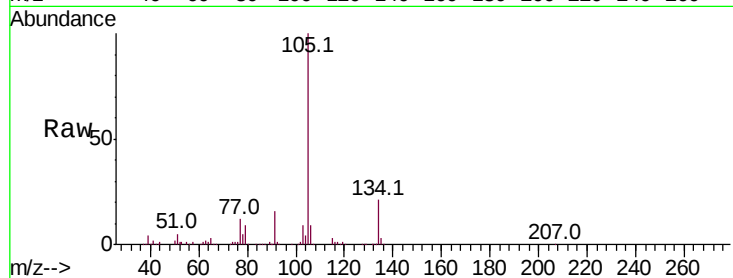




#79
 sec-Butylbenzene
 Concen: 2.103 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

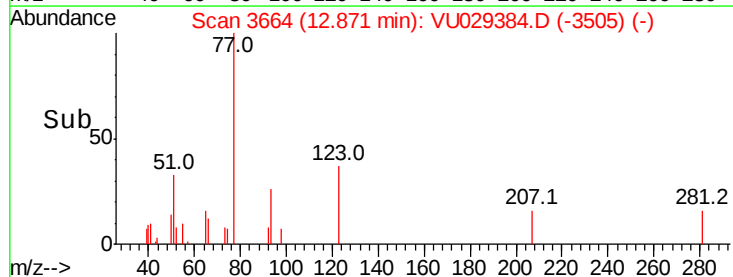
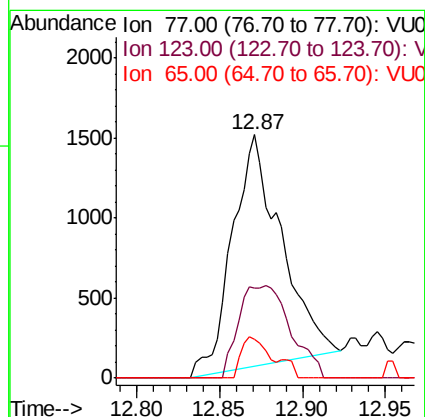
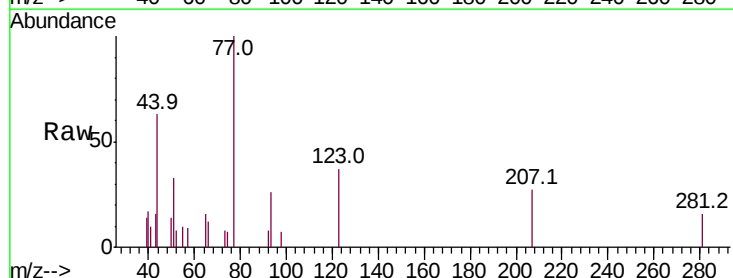
Instrument :
 MSVOA_U
 ClientSampled :

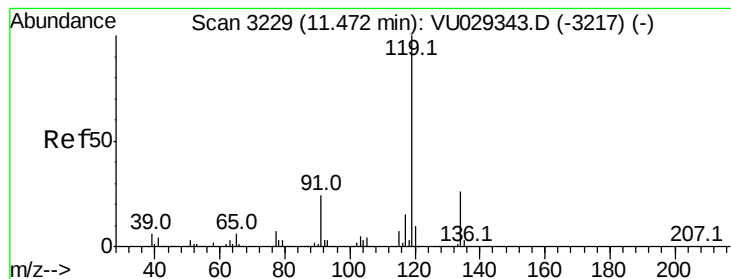
Tot Ion:105 Resp: 169259
 Ion Ratio Lower Upper
 105 100
 134 20.9 15.0 22.6



#80
 Nitrobenzene
 Concen: 5.024 ug/l
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion: 77 Resp: 2979
 Ion Ratio Lower Upper
 77 100
 123 42.2 17.5 61.9
 65 6.9 10.8 13.8#





#81

p-Isopropyltoluene

Concen: 2.127 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

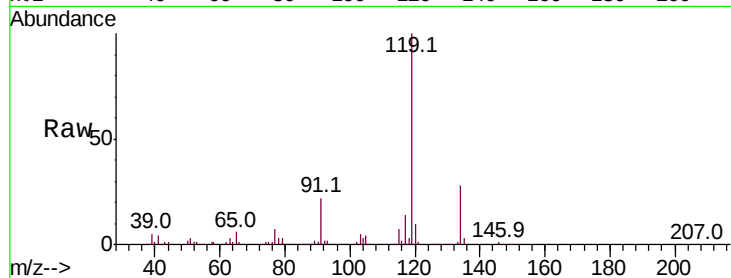
Tot Ion:119 Resp: 145095

Ion Ratio Lower Upper

119 100

134 27.6 19.8 29.6

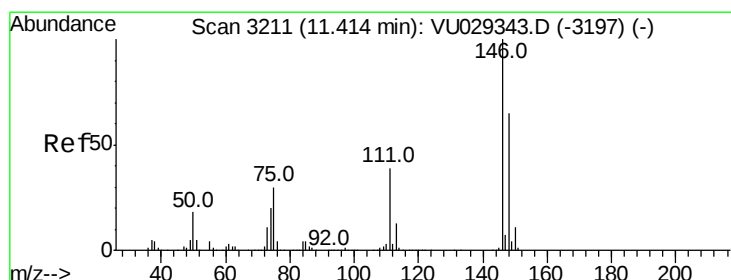
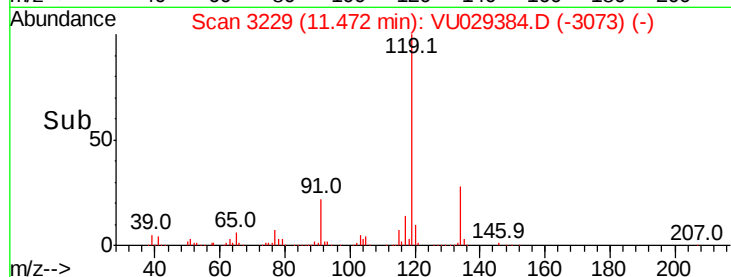
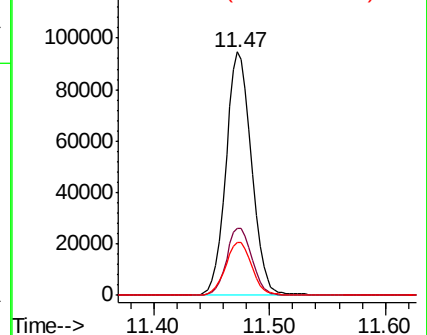
91 22.8 21.5 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 2.215 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

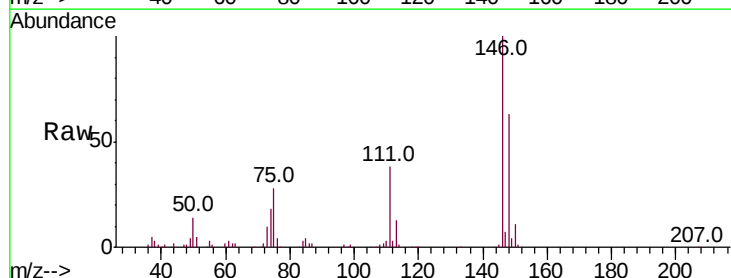
Tgt Ion:146 Resp: 76025

Ion Ratio Lower Upper

146 100

111 38.3 34.1 51.1

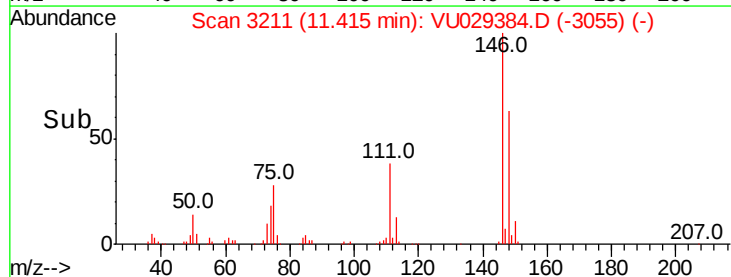
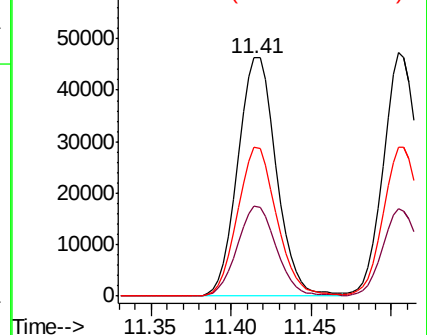
148 63.4 52.3 78.5

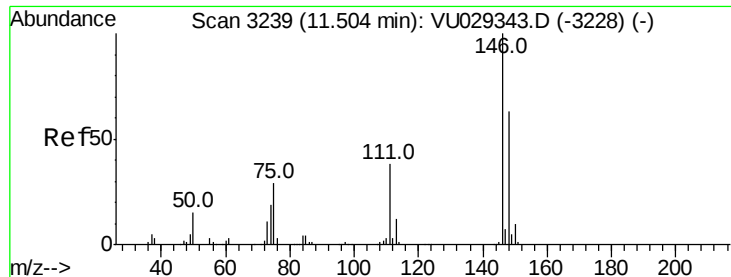


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

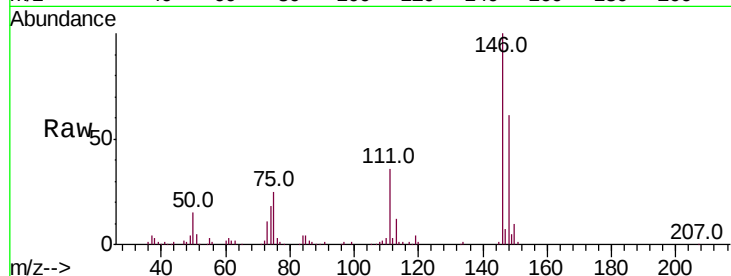




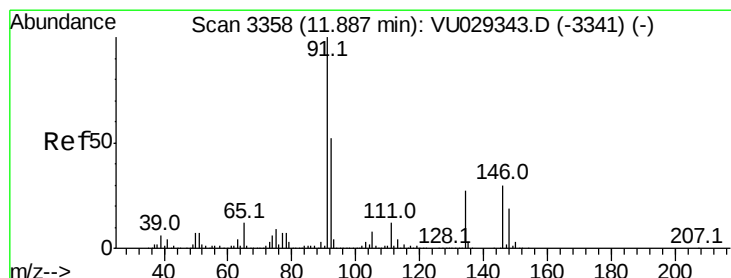
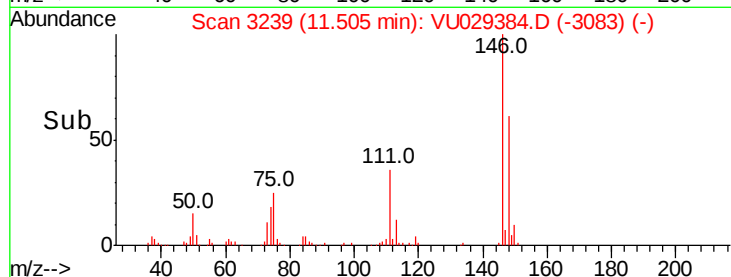
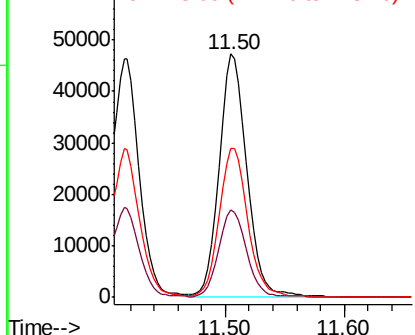
#83
 1,4-Dichlorobenzene
 Concen: 2.239 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 76560
 Ion Ratio Lower Upper
 146 100
 111 35.1 32.9 49.3
 148 62.6 51.8 77.6

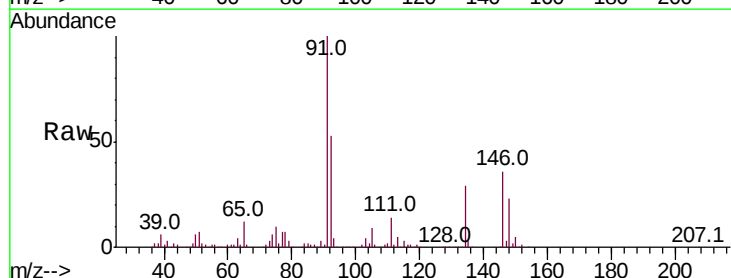


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

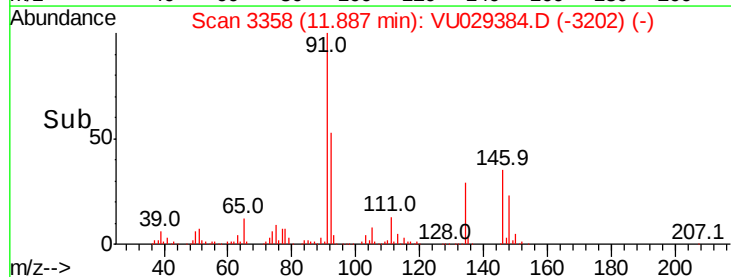
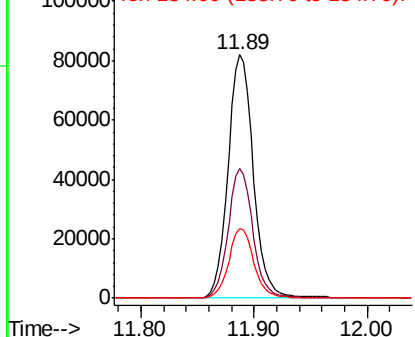


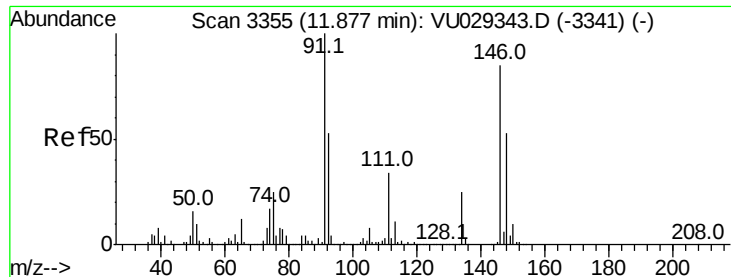
#84
 n-Butylbenzene
 Concen: 2.041 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion: 91 Resp: 127814
 Ion Ratio Lower Upper
 91 100
 92 51.8 41.0 61.6
 134 28.3 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: 2.209 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

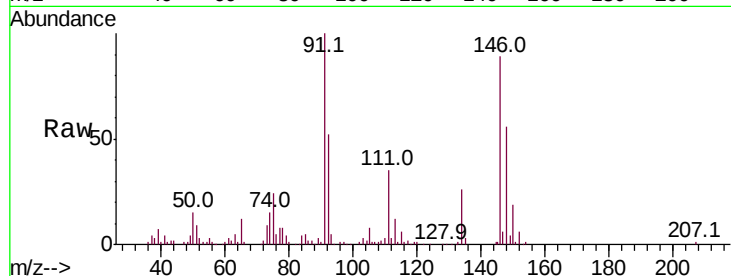
Tot Ion:146 Resp: 71711

Ion Ratio Lower Upper

146 100

111 39.4 21.9 65.8

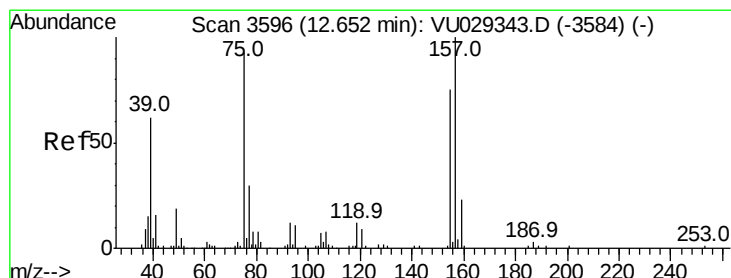
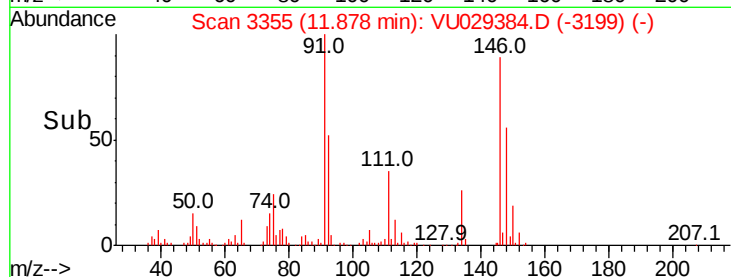
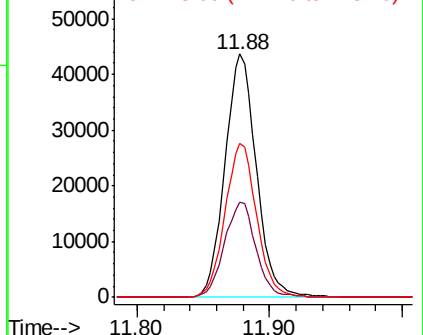
148 63.4 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.836 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

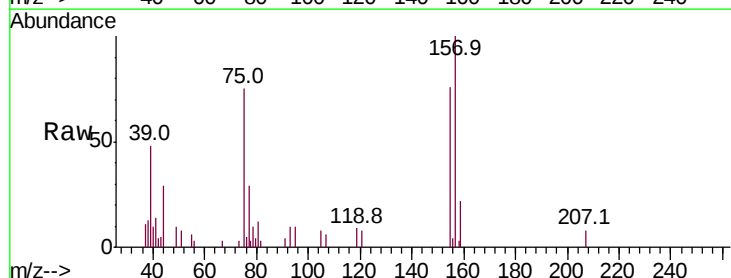
Tgt Ion: 75 Resp: 4561

Ion Ratio Lower Upper

75 100

155 99.1 53.8 80.8#

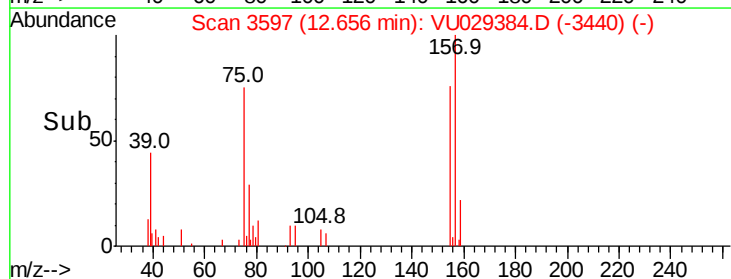
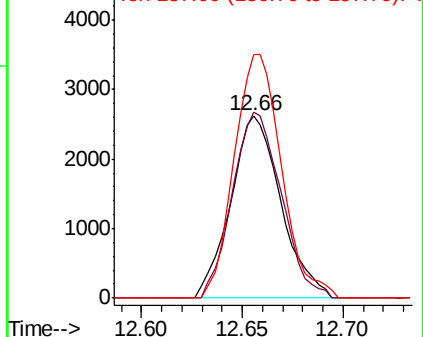
157 126.7 69.2 103.8#

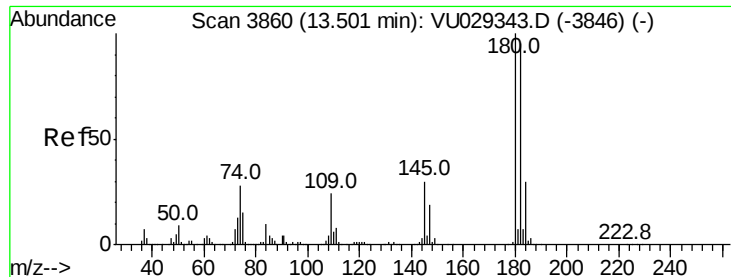


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

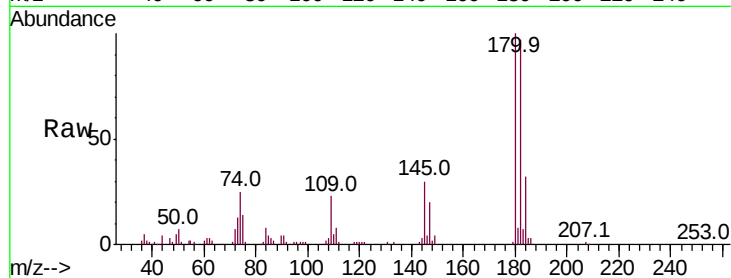




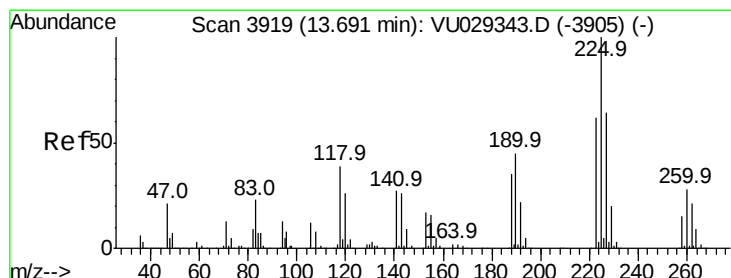
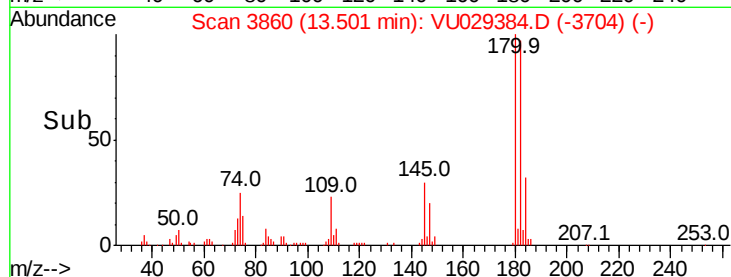
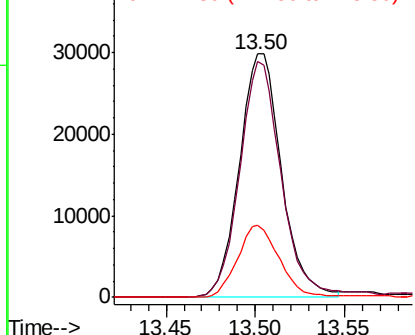
#87
 1,2,4-Trichlorobenzene
 Concen: 2.161 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	114.8
145	29.5	24.6	36.8

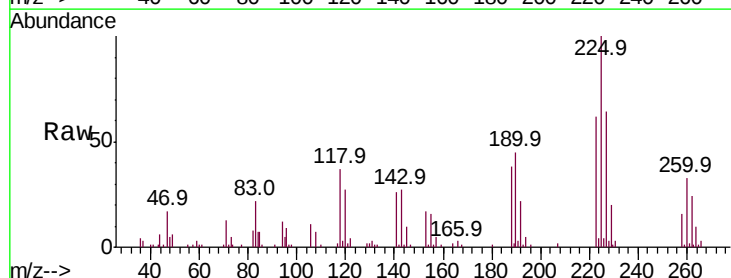


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

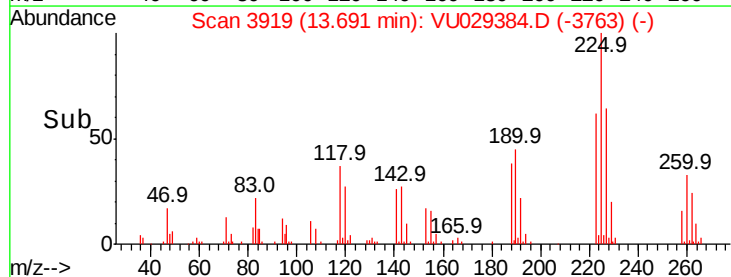
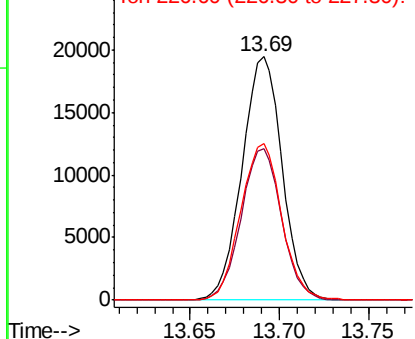


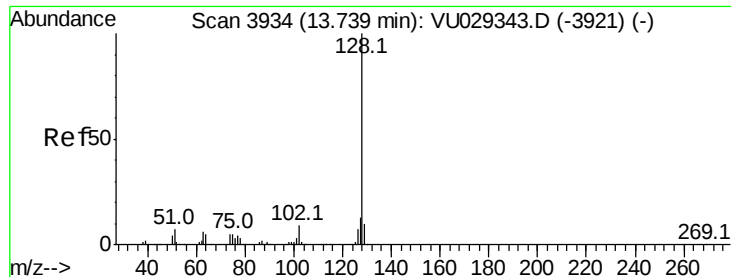
#88
 Hexachlorobutadiene
 Concen: 2.314 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029384.D
 Acq: 08 Feb 2019 17:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.5	74.3
227	65.6	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: 2.216 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

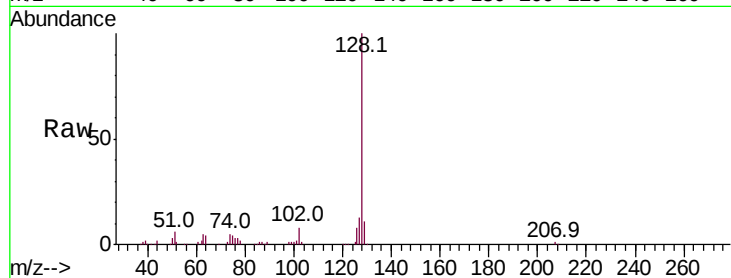
Tot Ion:128 Resp: 85693

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

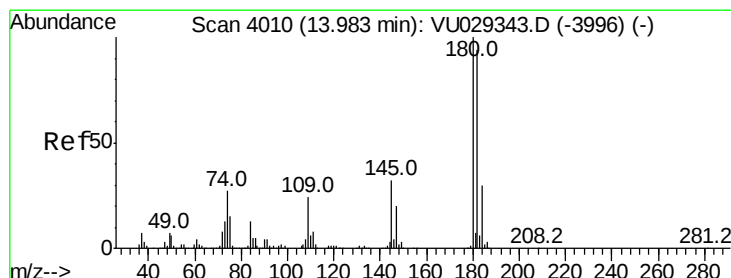
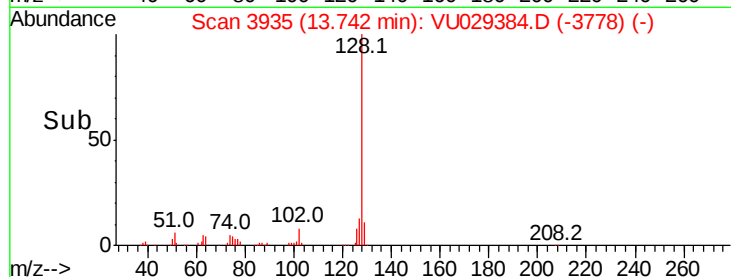
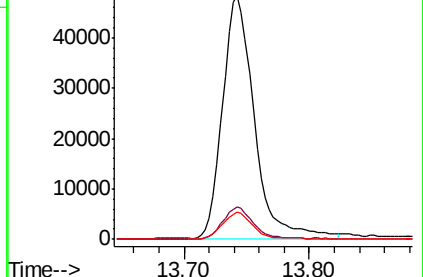
129 9.6 8.2 12.4



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: 2.399 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029384.D

Acq: 08 Feb 2019 17:46

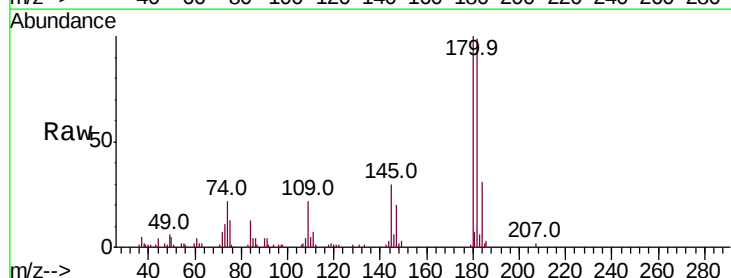
Tgt Ion:180 Resp: 49995

Ion Ratio Lower Upper

180 100

182 96.5 78.0 117.0

145 28.5 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

