

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029380.D
 Acq On : 08 Feb 2019 15:56
 Operator : JC/SP
 Sample : K1161-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:19:37 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	52016	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	20707	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23173	1.11	ug/l	0.00
Spiked Amount	1.000		Recovery	=	111.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.36	85	114	0.006	ug/l # 43
3) Chloromethane	1.33	50	222865	12.564	ug/l 98
5) Bromomethane	1.63	94	2955	0.255	ug/l 94
6) Chloroethane	1.70	64	305272	25.126	ug/l 99
7) Trichlorofluoromethane	1.88	101	541336	18.641	ug/l 96
9) 1,1-Dichloroethene	2.29	96	1022	0.068	ug/l 78
10) Iodomethane	2.62	142	93	0.304	ug/l 86
12) Acrylonitrile	3.00	53	13781	4.098	ug/l # 28
13) Acetone	2.43	43	445	0.137	ug/l 97
14) Carbon Disulfide	2.48	76	579	0.011	ug/l # 38
15) Methylene Chloride	2.70	84	3485	0.192	ug/l # 80
16) trans-1,2-Dichloroethene	2.97	96	144	0.009	ug/l # 72
17) 1,1-Dichloroethane	3.44	63	521500	19.612	ug/l 97
18) 2-Butanone	4.27	43	140	0.039	ug/l 78
19) Cyclohexane	4.99	56	127	0.005	ug/l # 15
20) Methylcyclohexane	6.41	83	41	0.002	ug/l # 9
21) 2,2-Dichloropropane	4.22	77	248588	10.100	ug/l 97
22) cis-1,2-Dichloroethene	4.22	96	3338	0.211	ug/l # 1
23) Diethyl Ether	2.10	59	159	0.013	ug/l # 1
24) tert-Butyl Alcohol	2.84	59	3614	2.886	ug/l # 71
25) Methyl tert-Butyl Ether	3.00	73	1646137	38.961	ug/l # 86
26) Bromochloromethane	4.55	128	68492	9.809	ug/l 70
28) 1,1,1-Trichloroethane	4.91	97	3858	0.161	ug/l 92
29) 1,1-Dichloropropene	5.13	75	266229	12.795	ug/l 92
30) Carbon Tetrachloride	5.13	117	39	0.002	ug/l # 12
31) Isopropyl Ether	3.56	45	215	0.005	ug/l 94
32) Ethyl-t-butyl ether	4.21	59	118	0.003	ug/l # 36
34) Propionitrile	4.52	54	20	0.021	ug/l # 1
35) Benzene	5.38	78	2459	0.043	ug/l # 81
36) 1,2-Dichloroethane	5.41	62	294	0.017	ug/l 98
37) Trichloroethene	6.19	130	4521	0.274	ug/l # 68
38) 1,2-Dichloropropane	6.43	63	424	0.028	ug/l # 46
40) Methyl acrylate	4.40	55	370	0.050	ug/l # 69
41) Tetrahydrofuran	4.65	42	120	0.049	ug/l # 36
42) 1-Chlorobutane	5.06	56	120	0.004	ug/l 76
43) Dibromomethane	6.56	93	160848	20.164	ug/l 89
44) Bromodichloromethane	6.76	83	252	0.012	ug/l # 27
45) 4-Methyl-2-Pentanone	7.47	43	131	0.014	ug/l # 47
46) t-1,4-Dichloro-2-butene	10.49	75	115978	25.458	ug/l # 13
47) Methyl methacrylate	6.64	69	44	0.006	ug/l # 1
48) Ethyl methacrylate	8.02	69	62	0.004	ug/l # 9

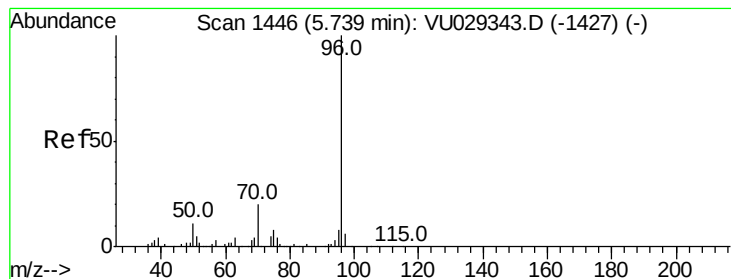
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029380.D
 Acq On : 08 Feb 2019 15:56
 Operator : JC/SP
 Sample : K1161-08
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Instrument :
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Quant Time: Feb 09 03:19:37 2019
 Quant 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)
49) Toluene	7.64	92	788	0.021	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	384227	19.285	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	105897	4.474	ug/l #	86
52) 1,1,2-Trichloroethane	8.06	97	622	0.059	ug/l #	86
53) 1,3-Dichloropropane	8.24	76	62244	3.355	ug/l	99
54) 2-Hexanone	8.36	43	120	0.018	ug/l #	28
55) Dibromochloromethane	8.23	129	2313	0.154	ug/l #	12
58) Tetrachloroethene	8.22	164	2639	0.172	ug/l	94
59) Chlorobenzene	9.12	112	463	0.011	ug/l #	83
60) 1,1,1,2-Tetrachloroethane	9.21	131	238321	15.549	ug/l	97
61) Pentachloroethane	11.10	117	45098	3.796	ug/l #	15
62) Hexachloroethane	12.14	117	3485	0.269	ug/l	93
63) Ethyl Benzene	9.25	91	2359	0.033	ug/l	99
64) m/p-Xylenes	9.38	106	511	0.018	ug/l	78
66) Styrene	9.80	104	1567	0.034	ug/l #	23
69) Isopropylbenzene	10.16	105	483374	6.584	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	230209	17.008	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	115978	12.478	ug/l #	85
72) Bromobenzene	10.45	156	369878	20.786	ug/l	83
73) n-propylbenzene	10.58	120	347536	16.996	ug/l	78
74) 2-Chlorotoluene	10.66	126	400525	23.003	ug/l	73
75) 1,3,5-Trimethylbenzene	10.77	105	1225142	19.357	ug/l	95
76) 4-Chlorotoluene	10.77	126	323096	17.879	ug/l	75
77) tert-Butylbenzene	11.10	119	1255847	20.074	ug/l	97
78) 1,2,4-Trimethylbenzene	11.14	105	1012376	15.799	ug/l	93
79) sec-Butylbenzene	11.32	105	1329561	16.243	ug/l	94
80) Nitrobenzene	12.84	77	44	0.073	ug/l #	43
81) p-Isopropyltoluene	11.47	119	1248943	18.000	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	666594	19.094	ug/l	96
83) 1,4-Dichlorobenzene	11.41	146	666594	19.172	ug/l	97
84) n-Butylbenzene	11.89	91	1140126	17.905	ug/l #	95
86) 1,2-Dibromo-3-Chloropropan	12.48	75	420	0.166	ug/l #	11
88) Hexachlorobutadiene	13.69	225	514404	38.310	ug/l	98
89) Naphthalene	13.74	128	866154	22.028	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	1206932	56.960	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

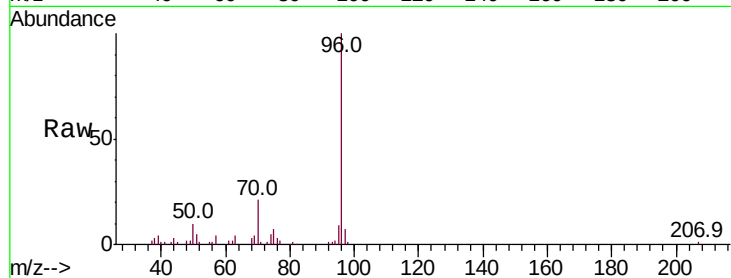
MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 52016

Ion Ratio Lower Upper

96	100		
70	20.1	16.2	24.2
95	8.9	7.4	11.2
97	7.4	0.0	0.0#

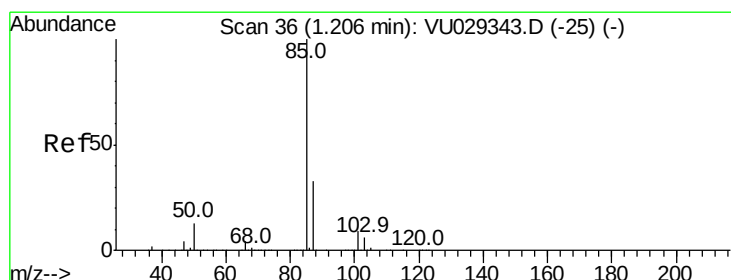
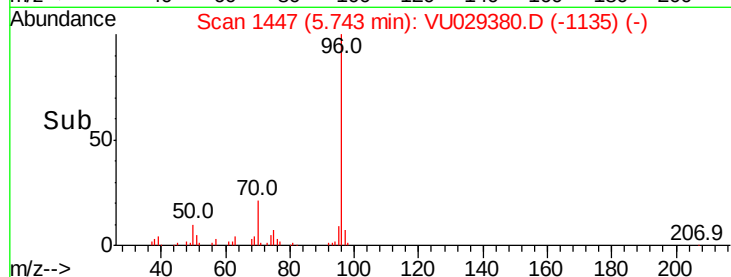
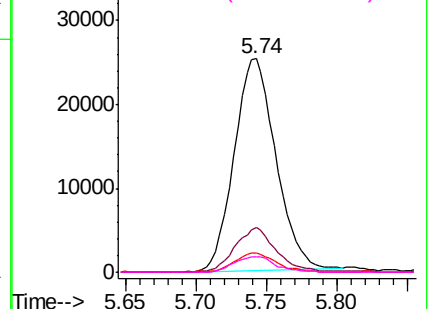


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 0.006 ug/l

RT: 1.36 min Scan# 85

Delta R.T. 0.16 min

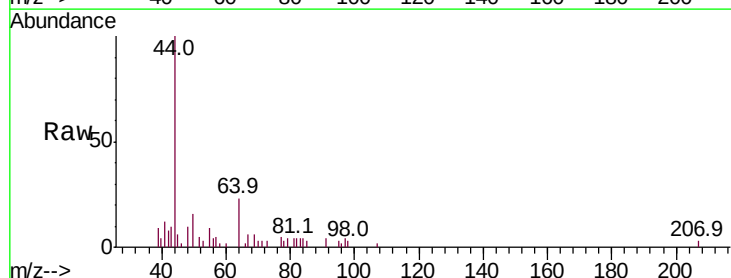
Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Tgt Ion: 85 Resp: 114

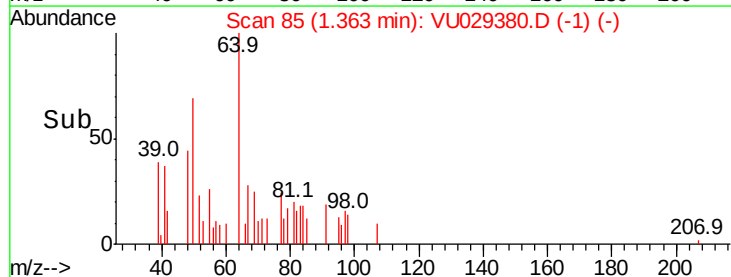
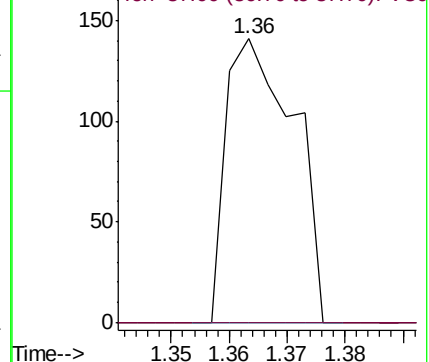
Ion Ratio Lower Upper

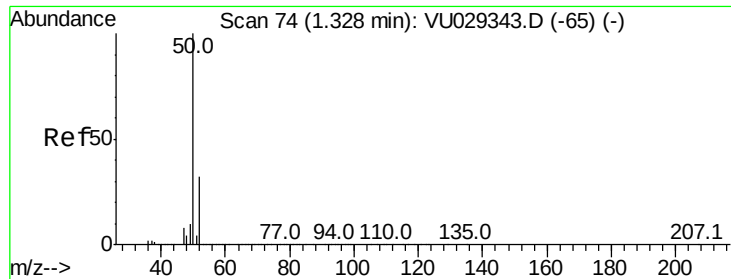
85	100		
87	0.0	15.9	47.6#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 12.564 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

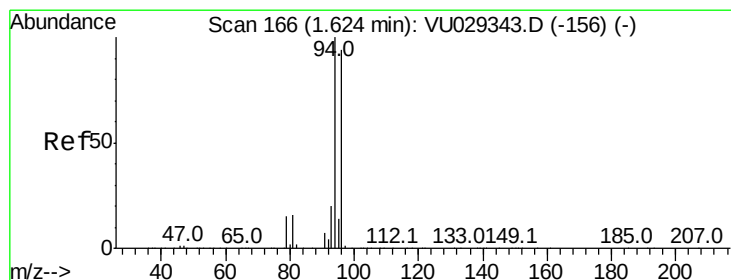
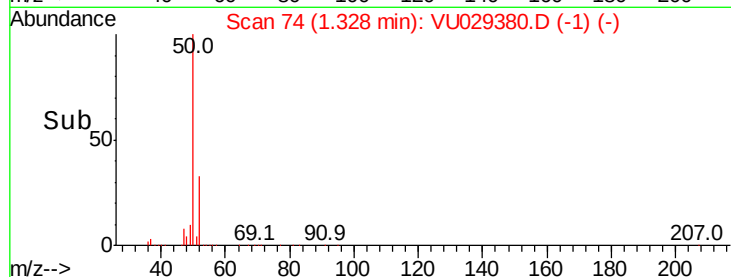
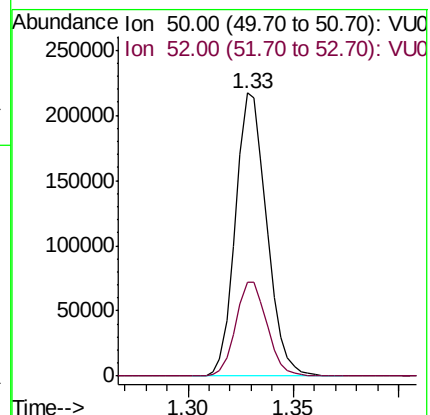
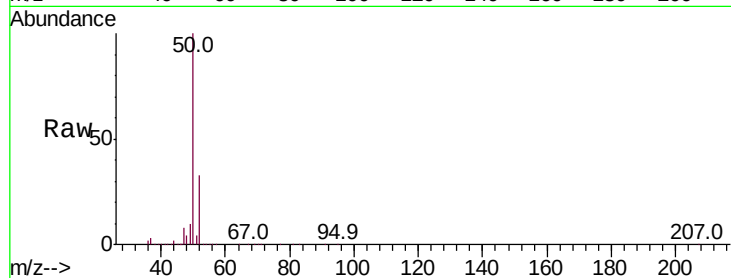
ClientSampleId :

Tot Ion: 50 Resp: 222865

Ion Ratio Lower Upper

50 100

52 33.2 27.3 40.9



#5

Bromomethane

Concen: 0.255 ug/l

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029380.D

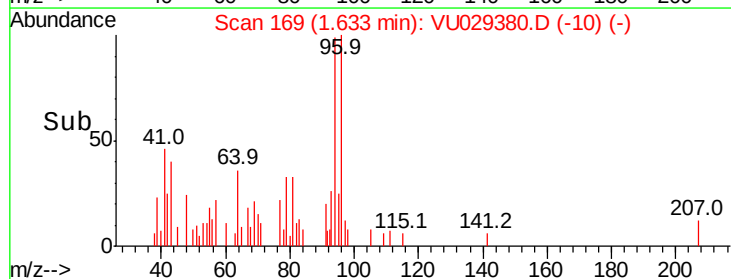
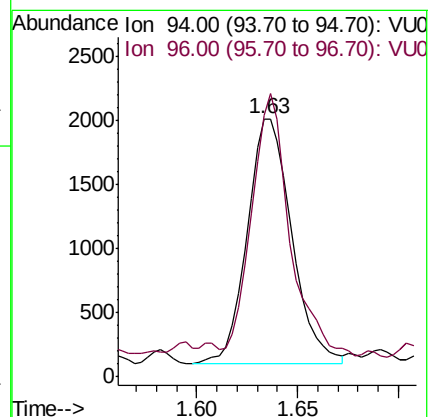
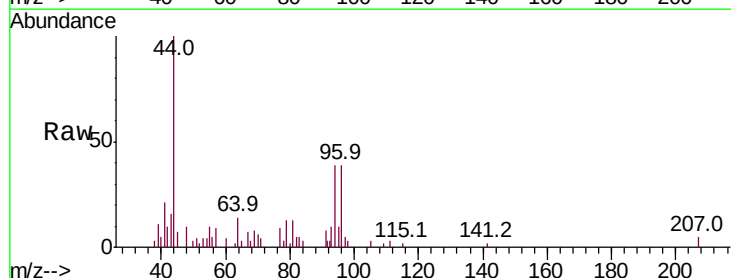
Acq: 08 Feb 2019 15:56

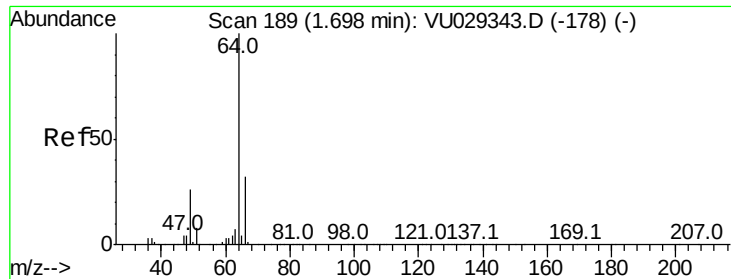
Tgt Ion: 94 Resp: 2955

Ion Ratio Lower Upper

94 100

96 95.4 71.7 107.5





#6

Chloroethane

Concen: 25.126 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

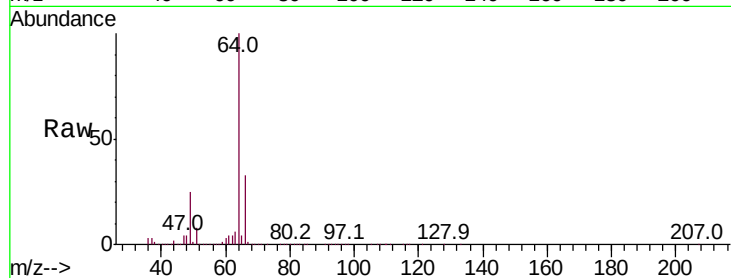
ClientSampleId :

Tot Ion: 64 Resp: 305272

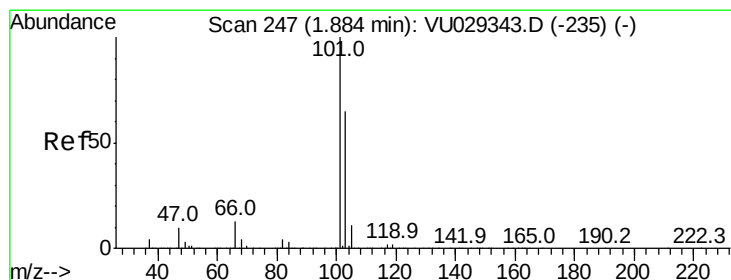
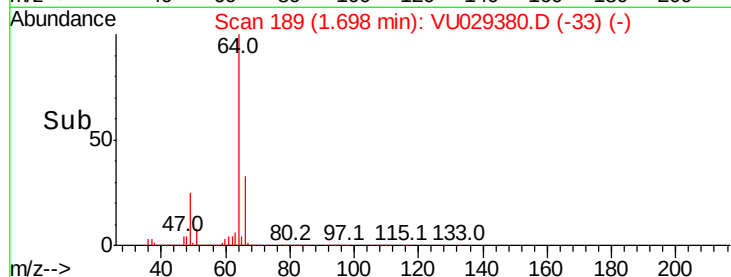
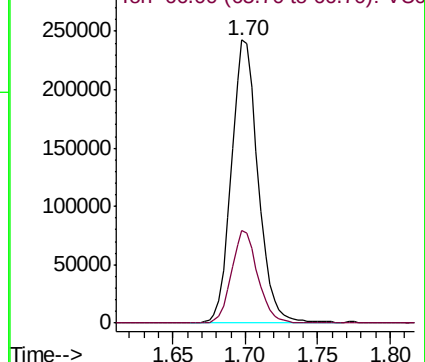
Ion Ratio Lower Upper

64 100

66 32.6 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU029343.D (-178) (-)



#7

Trichlorofluoromethane

Concen: 18.641 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029380.D

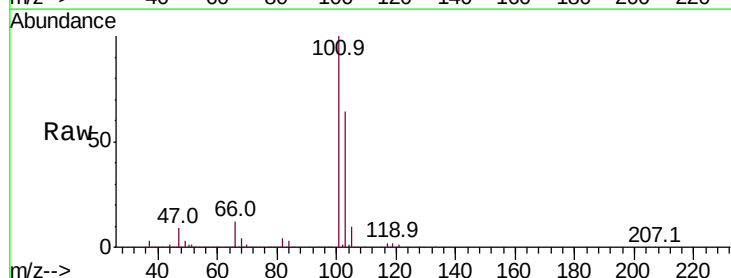
Acq: 08 Feb 2019 15:56

Tgt Ion: 101 Resp: 541336

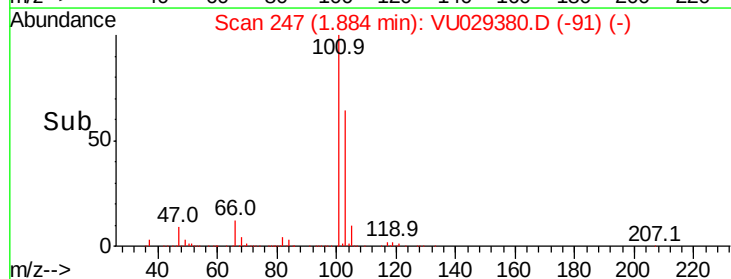
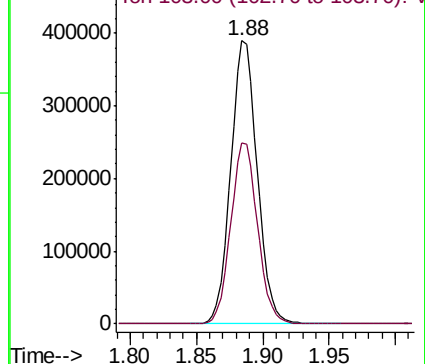
Ion Ratio Lower Upper

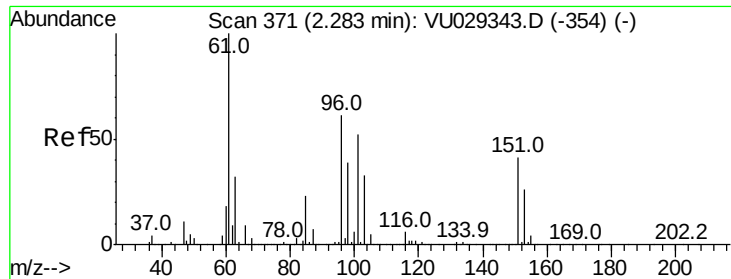
101 100

103 64.0 53.9 80.9



Abundance Ion 101.00 (100.70 to 101.70): VU029343.D (-235) (-)





#9

1,1-Dichloroethene

Concen: 0.068 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampled :

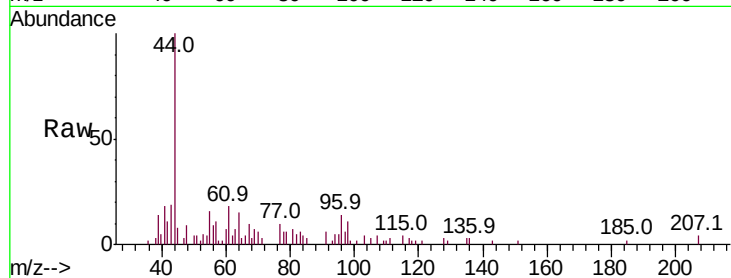
Tot Ion: 96 Resp: 1022

Ion Ratio Lower Upper

96 100

61 170.6 0.0 641.4

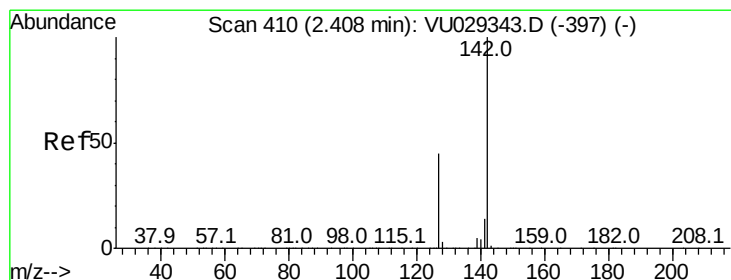
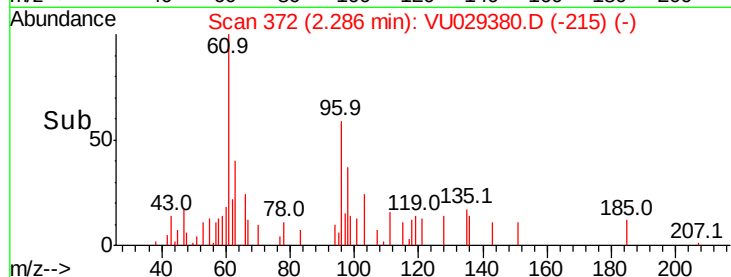
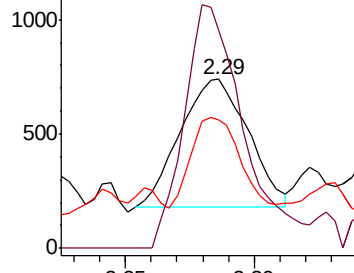
98 65.4 0.0 122.6



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: 0.304 ug/l

RT: 2.62 min Scan# 475

Delta R.T. 0.21 min

Lab File: VU029380.D

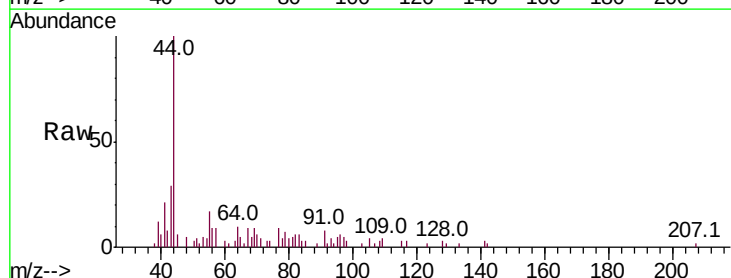
Acq: 08 Feb 2019 15:56

Tgt Ion: 142 Resp: 93

Ion Ratio Lower Upper

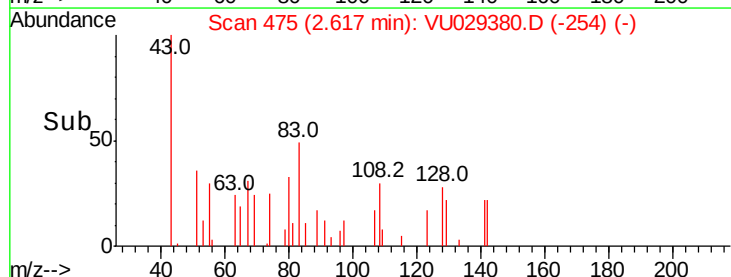
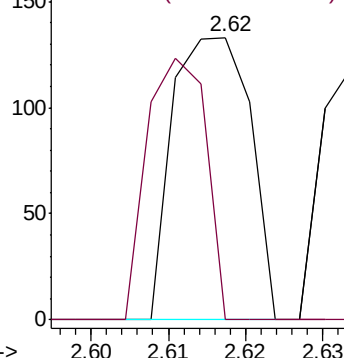
142 100

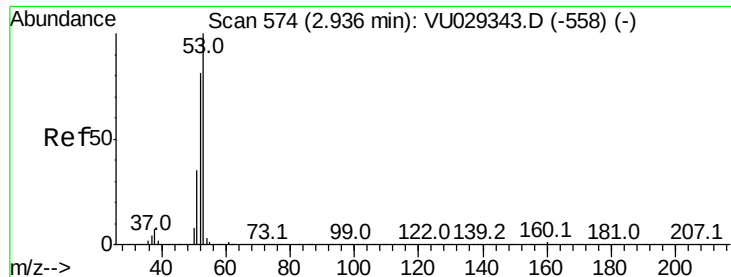
127 69.9 47.6 71.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V





#12

Acrylonitrile

Concen: 4.098 ug/l

RT: 3.00 min Scan# 595

Delta R.T. 0.07 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

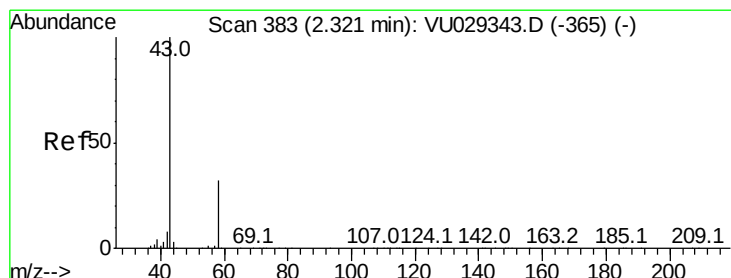
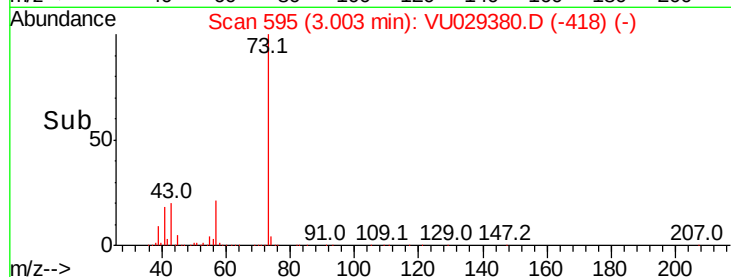
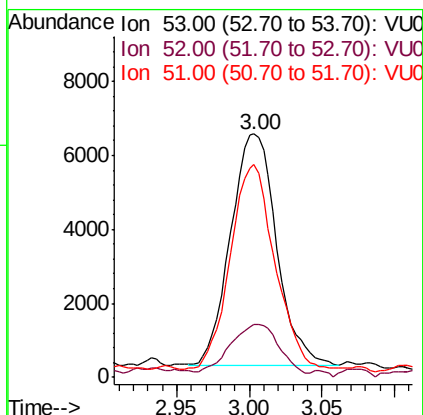
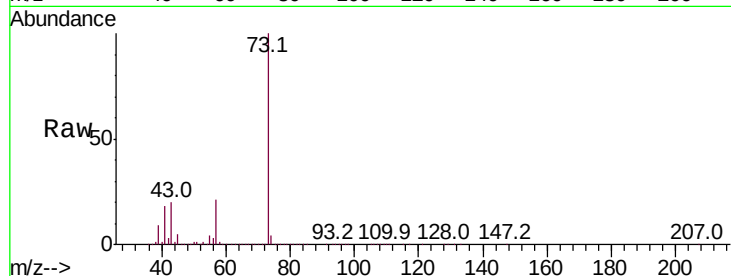
Tot Ion: 53 Resp: 13781

Ion Ratio Lower Upper

53 100

52 21.4 67.6 101.4#

51 85.5 31.0 46.4#



#13

Acetone

Concen: 0.137 ug/l

RT: 2.43 min Scan# 416

Delta R.T. 0.11 min

Lab File: VU029380.D

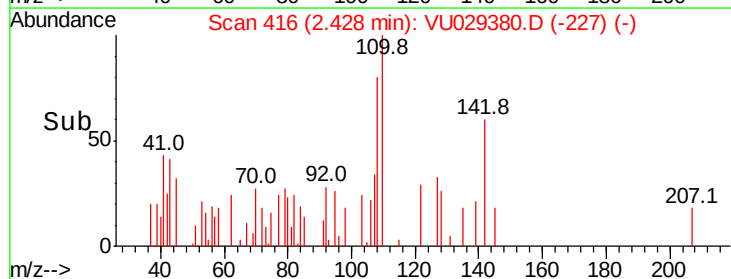
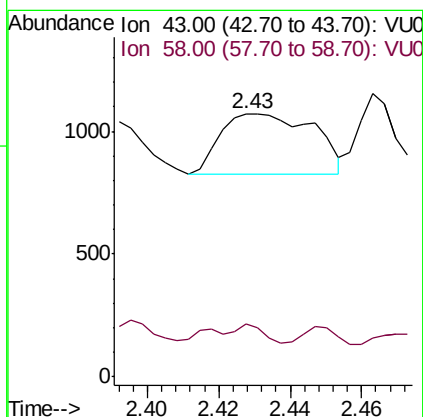
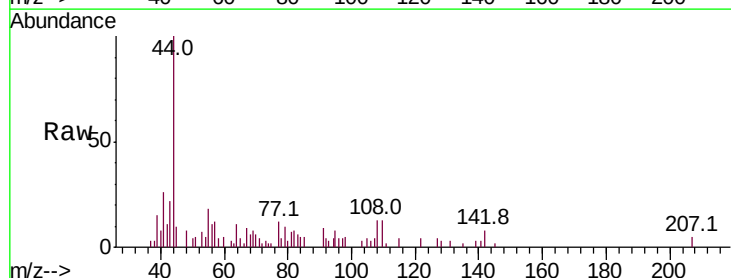
Acq: 08 Feb 2019 15:56

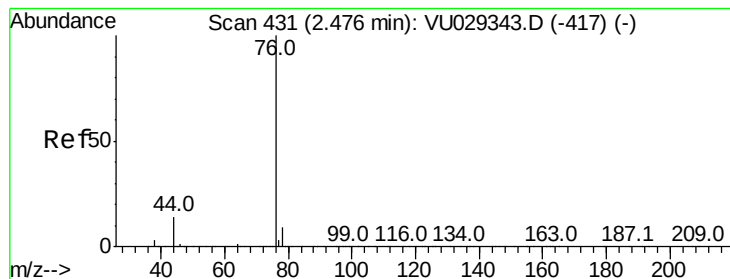
Tgt Ion: 43 Resp: 445

Ion Ratio Lower Upper

43 100

58 25.3 19.2 28.8





#14

Carbon Disulfide

Concen: 0.011 ug/l

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

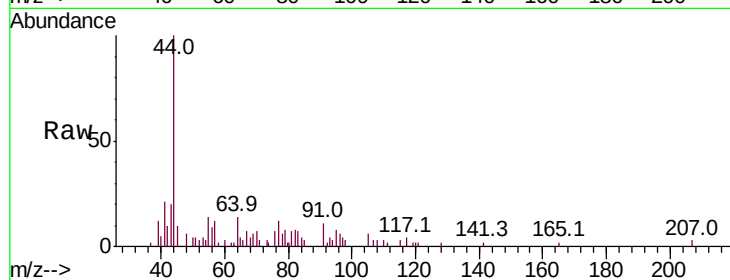
ClientSampleId :

Tot Ion: 76 Resp: 579

Ion Ratio Lower Upper

76 100

78 31.4 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

400

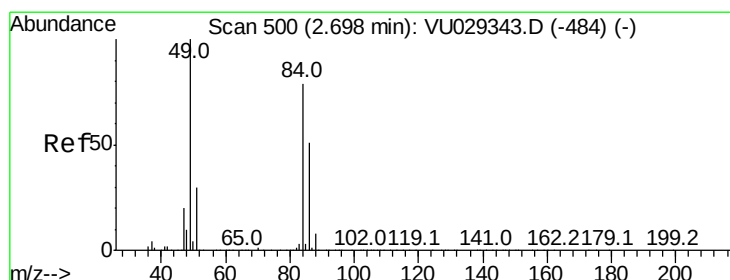
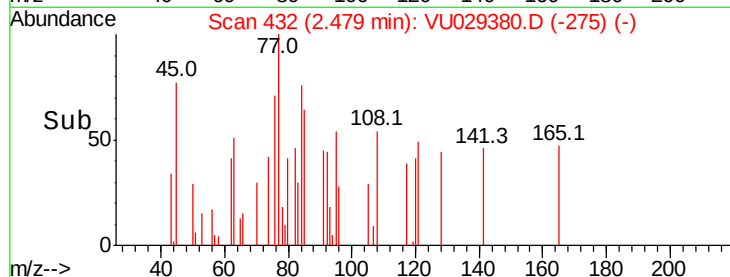
300

200

100

0

Time-->



#15

Methylene Chloride

Concen: 0.192 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Tgt Ion: 84 Resp: 3485

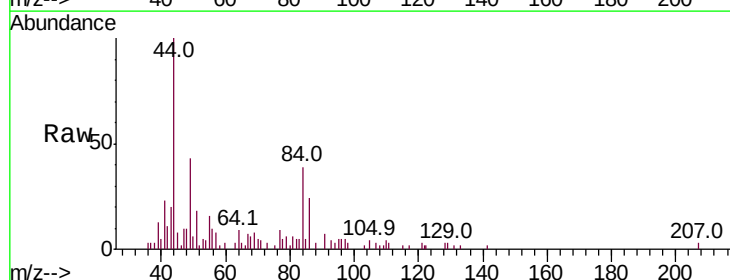
Ion Ratio Lower Upper

84 100

49 120.6 127.0 190.6#

51 40.8 0.0 93.4

86 68.2 50.6 75.8



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

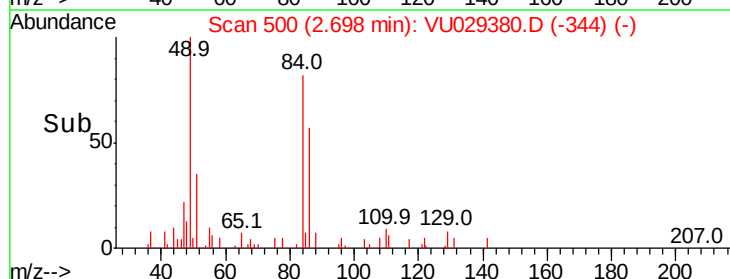
3000

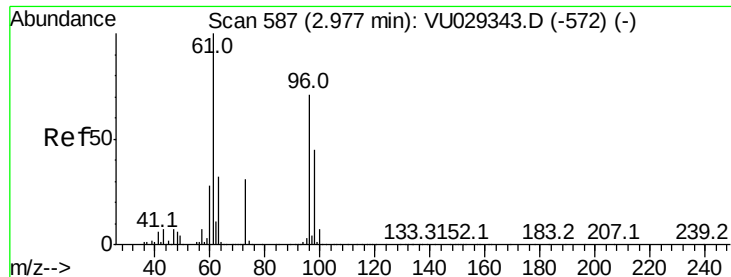
2000

1000

0

Time-->





#16

trans-1,2-Dichloroethene

Concen: 0.009 ug/l

RT: 2.97 min Scan# 586

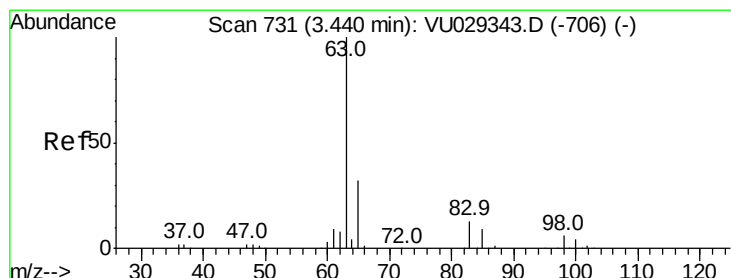
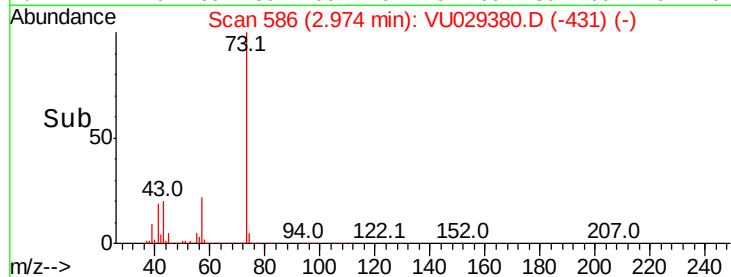
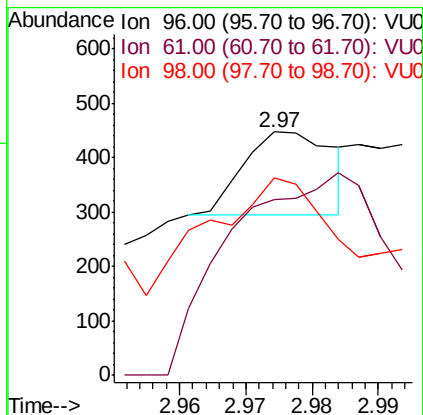
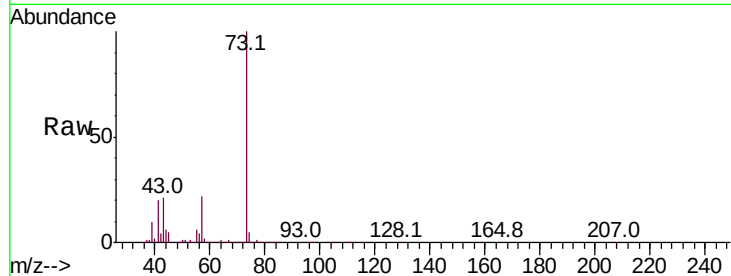
Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	144
Ion	Ratio	Lower	Upper
96	100		
61	130.7	140.6	210.8#
98	73.2	49.3	73.9



#17

1,1-Dichloroethane

Concen: 19.612 ug/l

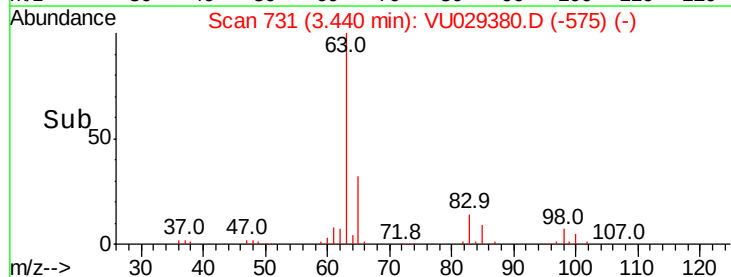
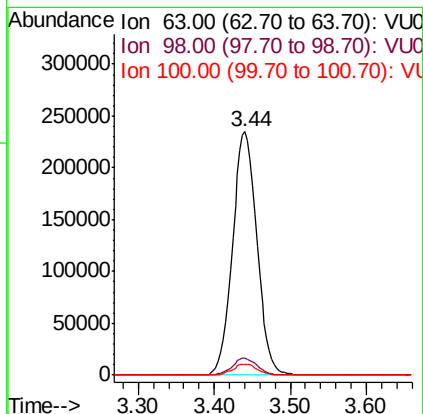
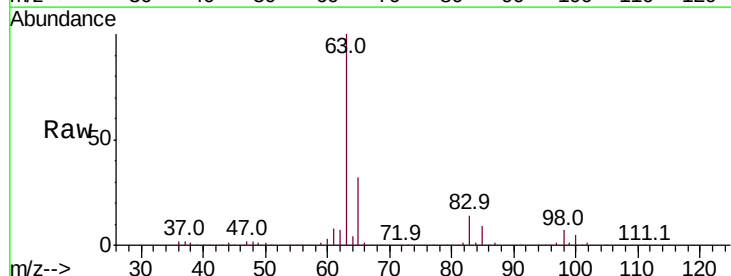
RT: 3.44 min Scan# 731

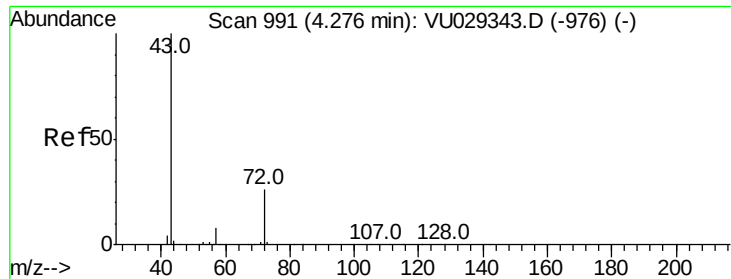
Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Tgt Ion:	63	Resp:	521500
Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.9	8.8
100	4.5	1.7	5.1





#18

2-Butanone

Concen: 0.039 ug/l

RT: 4.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

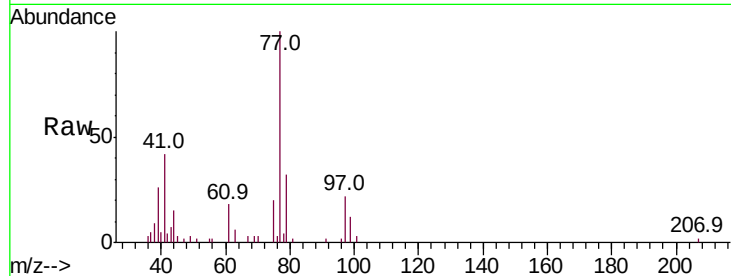
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 140

Ion Ratio Lower Upper

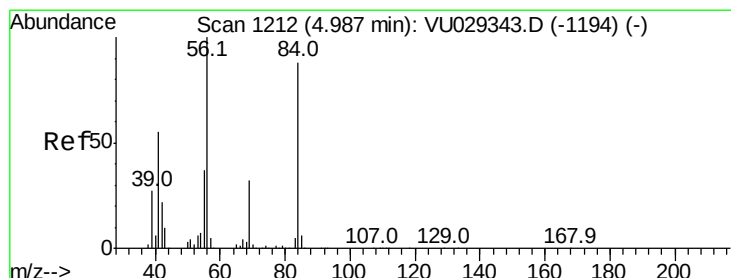
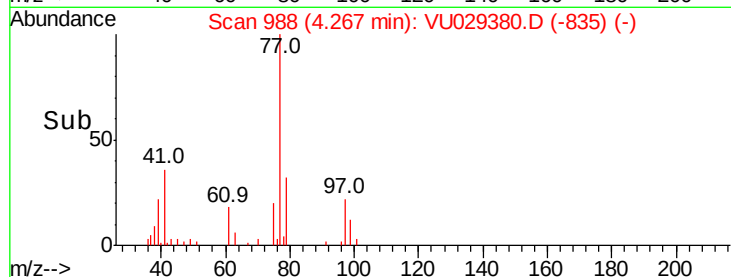
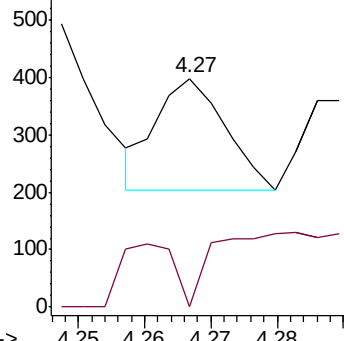
43 100

57 0.0 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#19

Cyclohexane

Concen: 0.005 ug/l

RT: 4.99 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

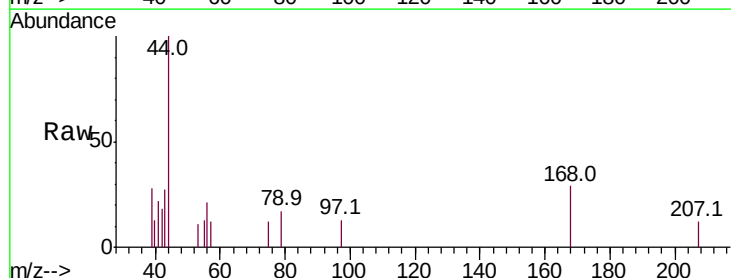
Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

69 0.0 26.8 40.2#

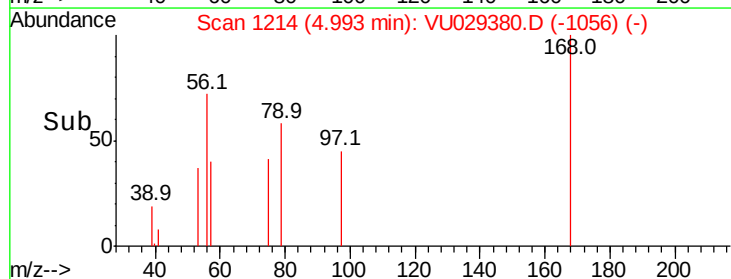
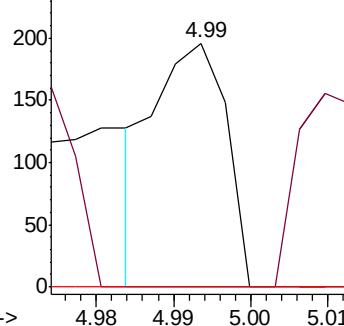
84 0.0 71.5 107.3#

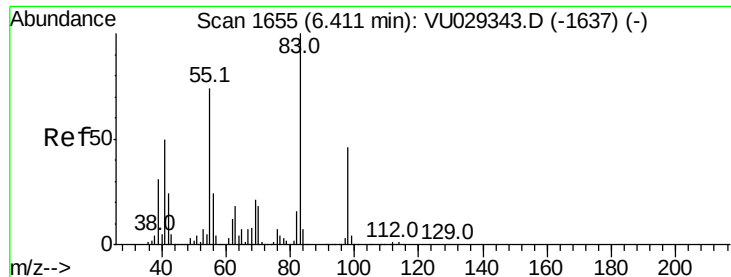


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

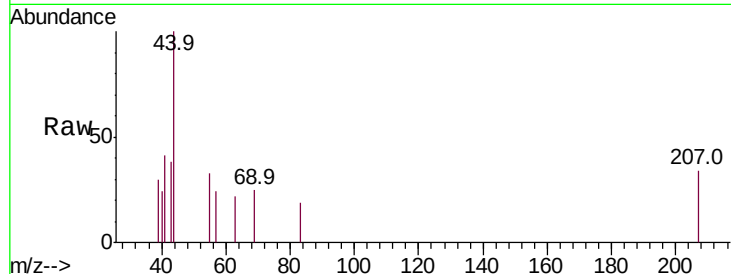




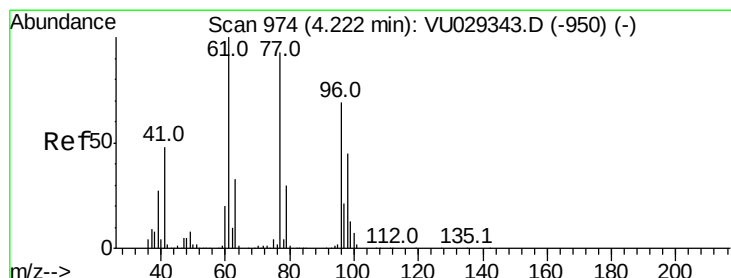
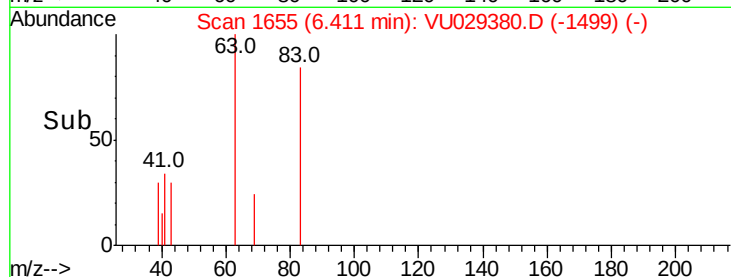
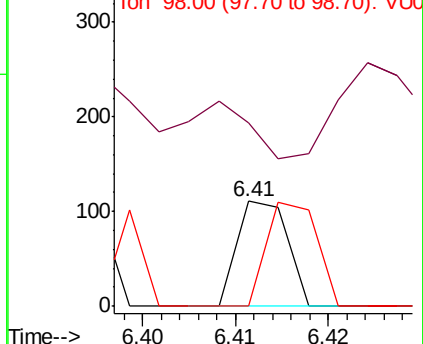
#20
Methylvlcyclohexane
Concen: 0.002 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029380.D
Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 41
Ion Ratio Lower Upper
83 100
55 0.0 72.4 108.6#
98 100.0 36.6 54.8#

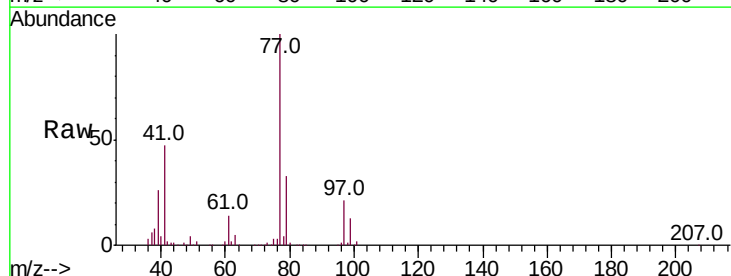


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

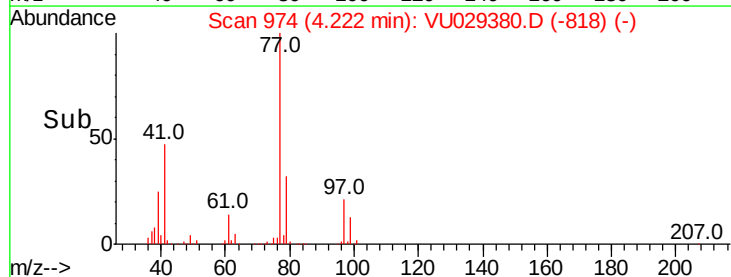
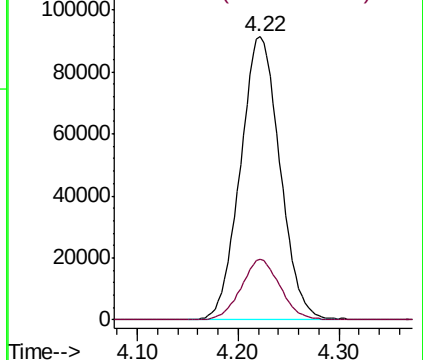


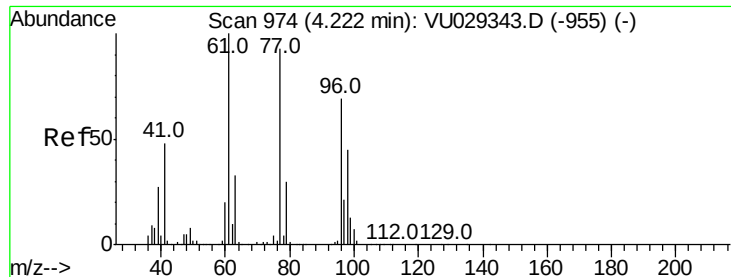
#21
2,2-Dichloropropane
Concen: 10.100 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029380.D
Acq: 08 Feb 2019 15:56

Tgt Ion: 77 Resp: 248588
Ion Ratio Lower Upper
77 100
97 21.0 15.6 23.4



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

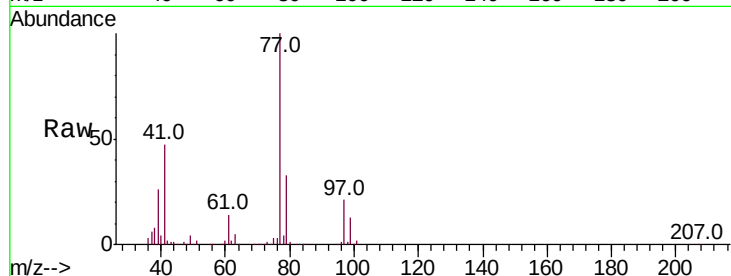
Tot Ion: 96 Resp: 3338

Ion Ratio Lower Upper

96 100

61 1062.1 0.0 460.0#

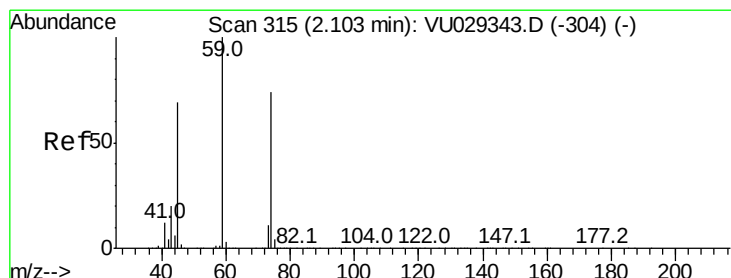
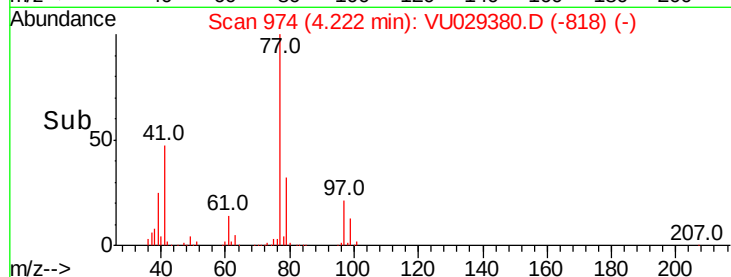
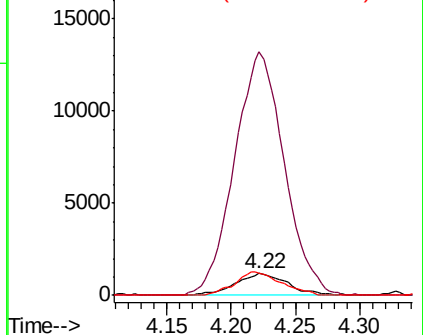
98 95.9 32.6 97.7



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



#23

Diethyl Ether

Concen: 0.013 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

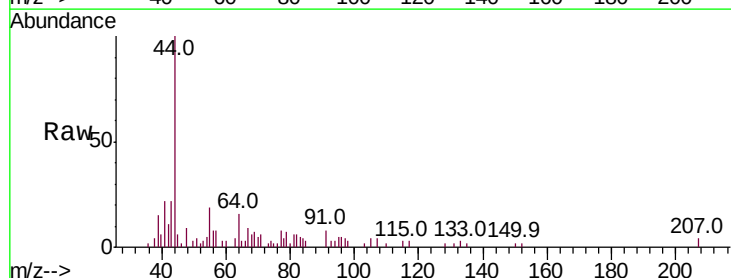
Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

45 0.0 64.2 96.4#

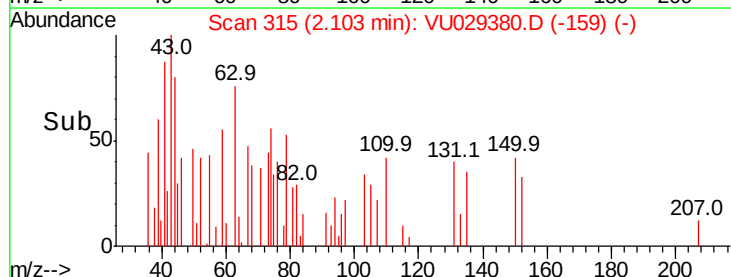
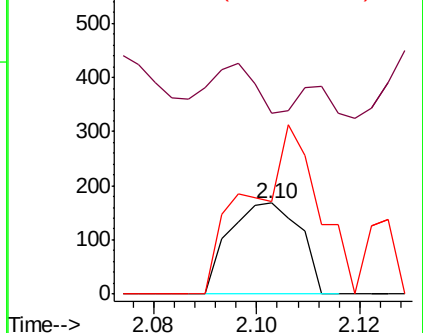
74 182.4 55.3 82.9#

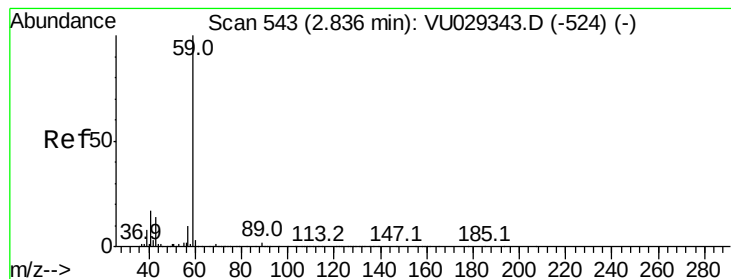


Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



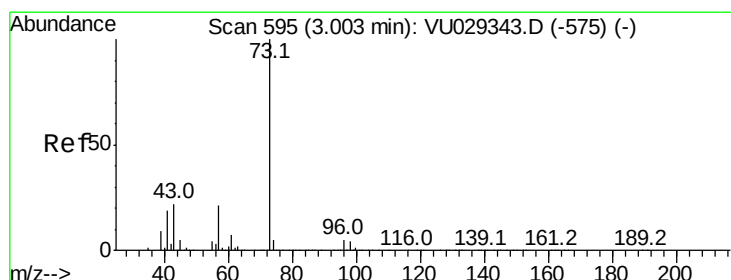
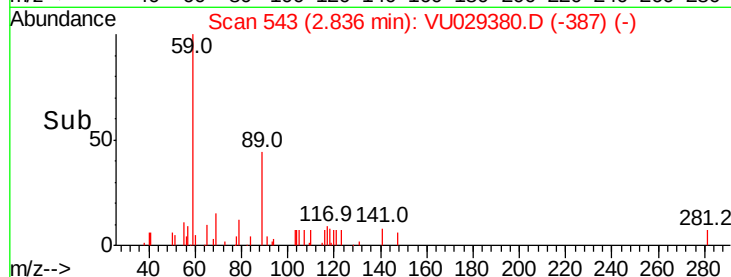
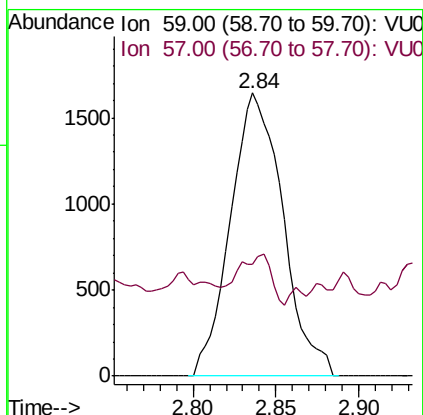
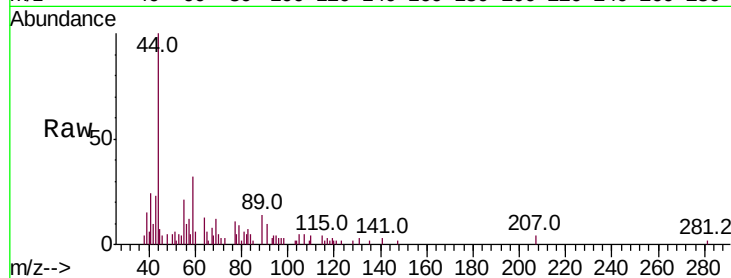


#24

tert-Butyl Alcohol
 Concen: 2.886 ug/l
 RT: 2.84 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Instrument :
 MSVOA_U
 ClientSampled :

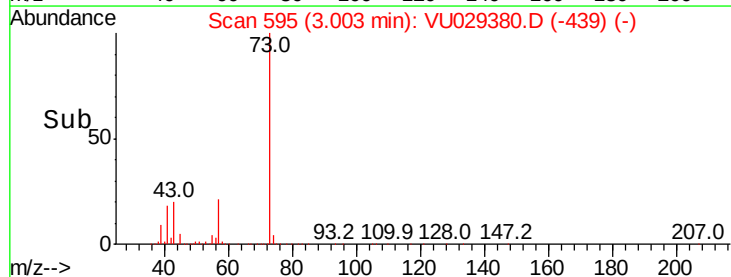
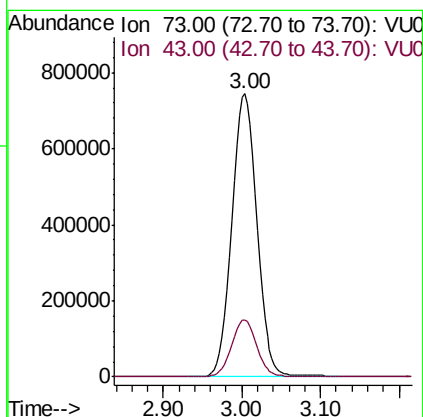
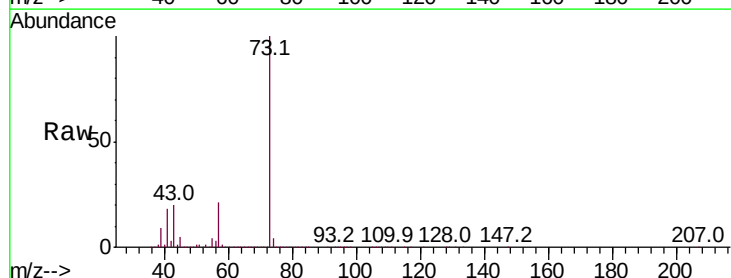
Tot Ion: 59 Resp: 3614
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

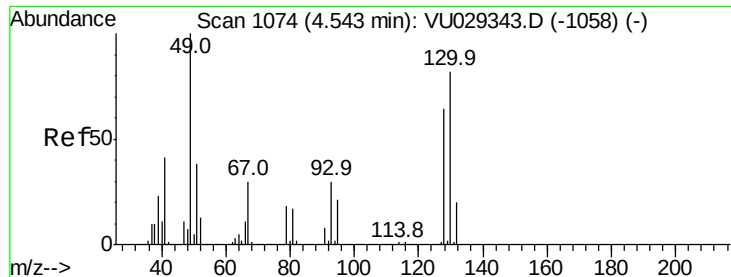


#25

Methyl tert-Butyl Ether
 Concen: 38.961 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Tgt Ion: 73 Resp: 1646137
 Ion Ratio Lower Upper
 73 100
 43 20.0 22.1 33.1#





#26

Bromochloromethane

Concen: 9.809 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

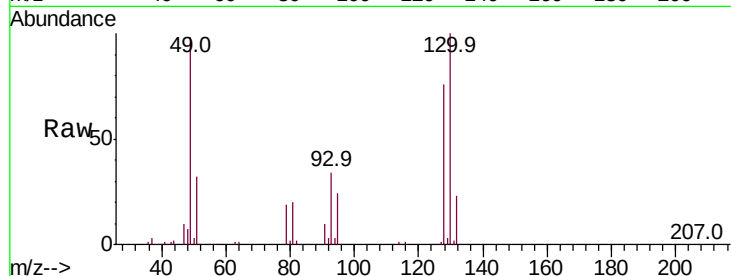
Tot Ion:128 Resp: 68492

Ion Ratio Lower Upper

128 100

49 128.5 0.0 401.6

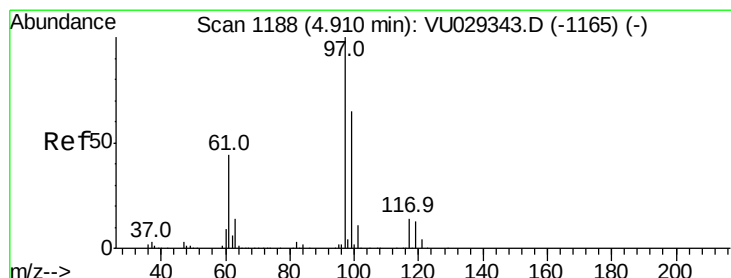
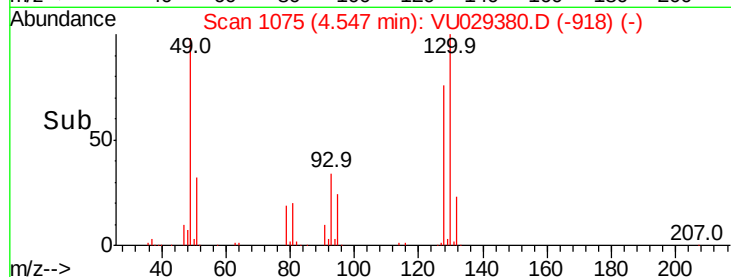
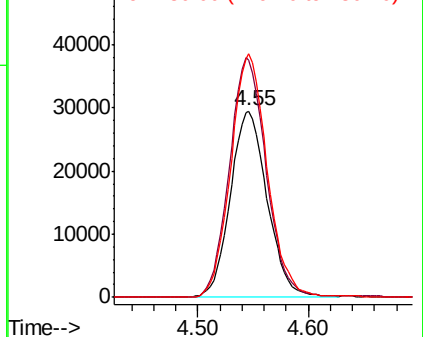
130 129.2 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V



#28

1,1,1-Trichloroethane

Concen: 0.161 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

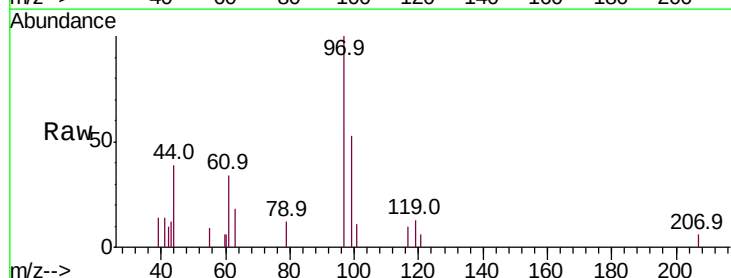
Tgt Ion: 97 Resp: 3858

Ion Ratio Lower Upper

97 100

99 61.9 32.4 97.2

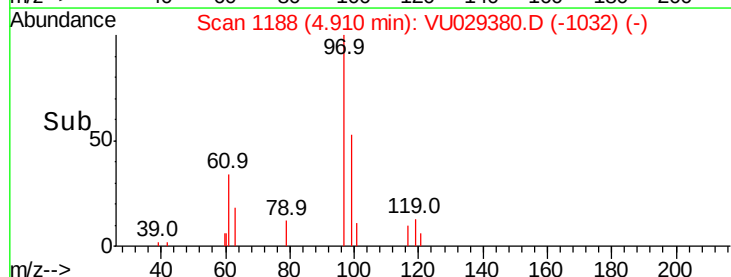
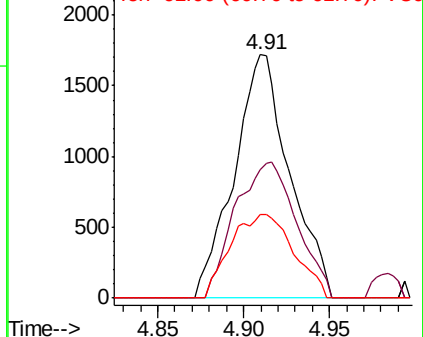
61 39.1 24.4 73.2

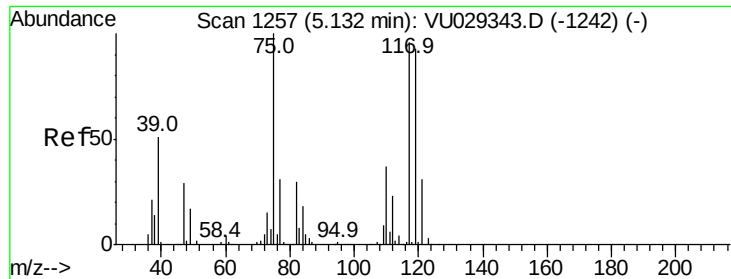


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 12.795 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

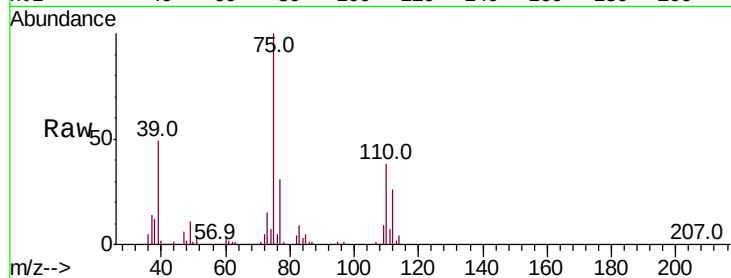
Tot Ion: 75 Resp: 266229

Ion Ratio Lower Upper

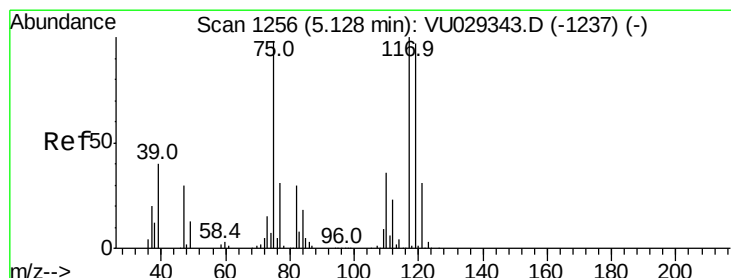
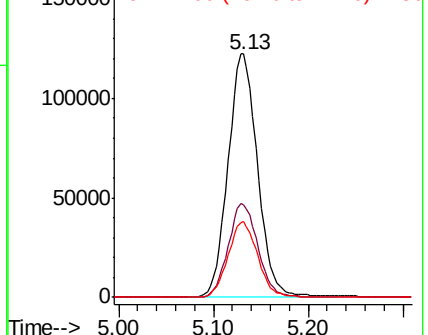
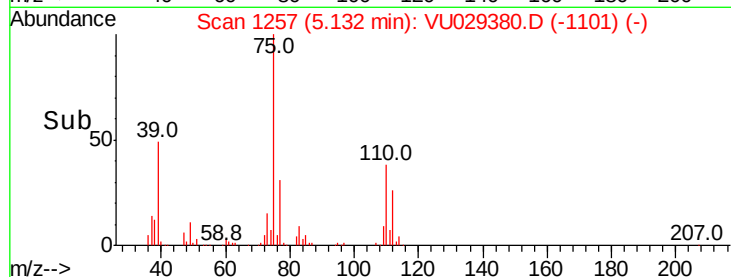
75 100

110 38.6 15.4 46.2

77 31.1 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU029380.D (-1101) (-)



#30

Carbon Tetrachloride

Concen: 0.002 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

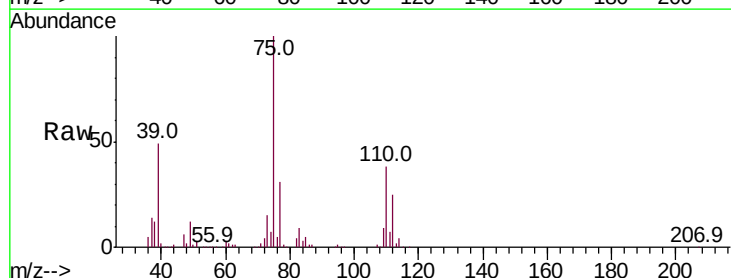
Tgt Ion: 117 Resp: 39

Ion Ratio Lower Upper

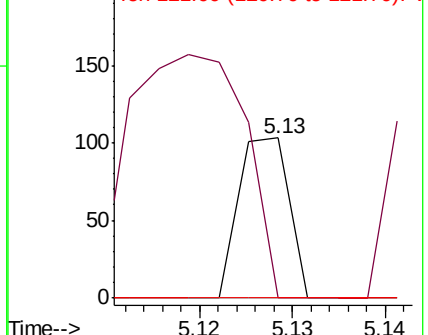
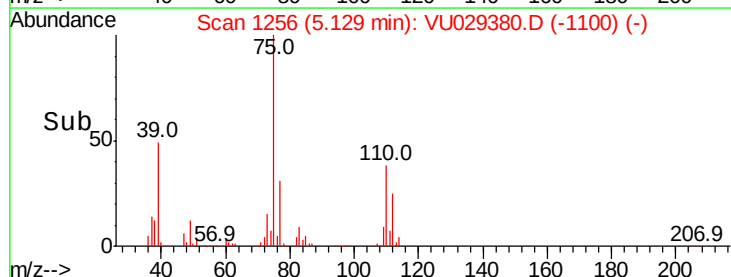
117 100

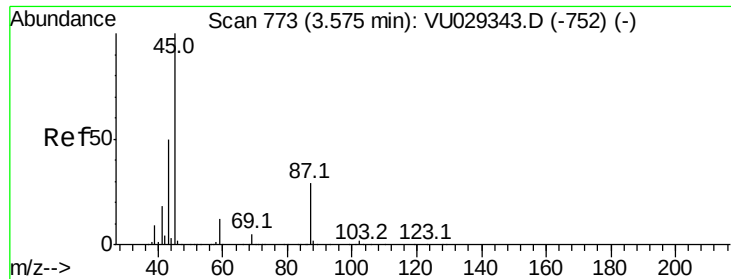
119 0.0 76.8 115.2#

121 0.0 24.4 36.6#



Abundance Ion 117.00 (116.70 to 117.70): VU029380.D (-1100) (-)





#31

Isopropyl Ether

Concen: 0.005 ug/l

RT: 3.56 min Scan# 769

Delta R.T. -0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

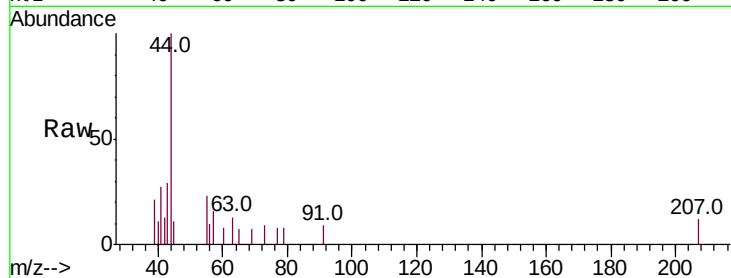
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 215

Ion Ratio Lower Upper

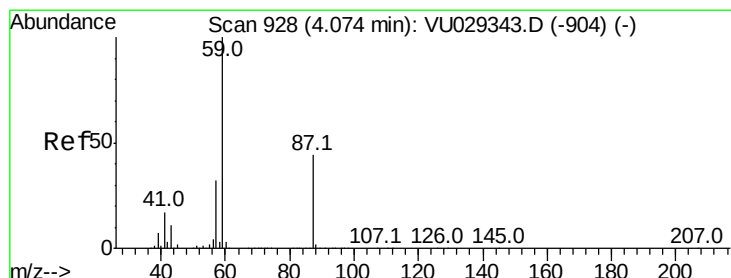
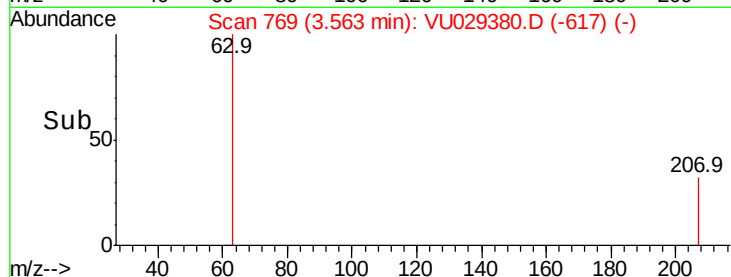
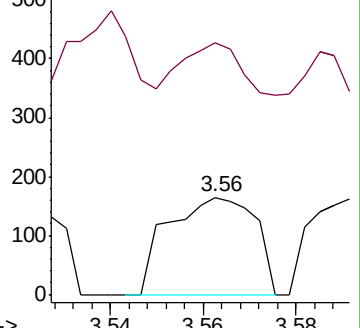
45 100

43 61.4 28.4 85.3



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

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



#32

Ethyl-t-butyl ether

Concen: 0.003 ug/l

RT: 4.21 min Scan# 970

Delta R.T. 0.14 min

Lab File: VU029380.D

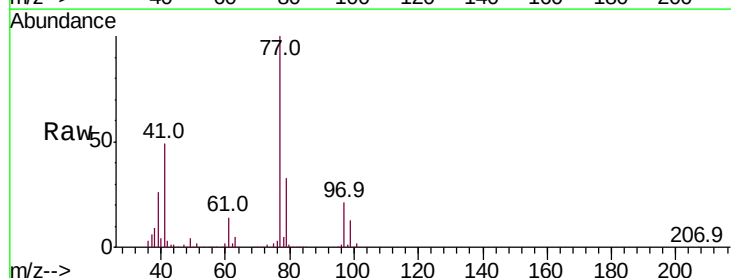
Acq: 08 Feb 2019 15:56

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

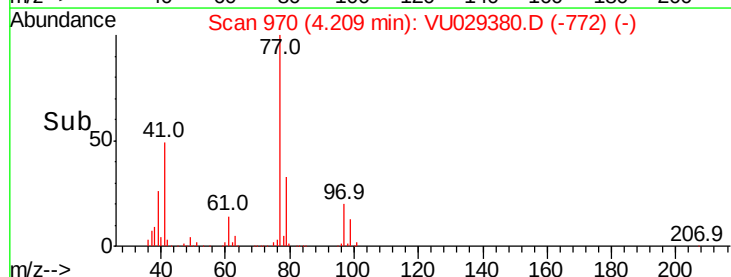
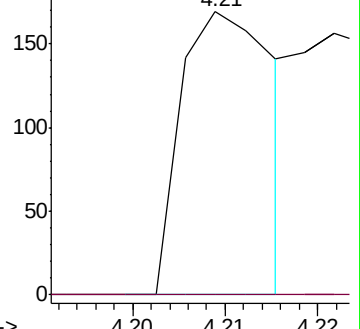
59 100

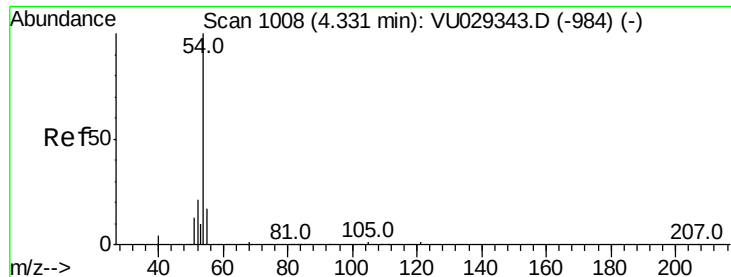
87 0.0 31.1 46.7#



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

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





#34

Propionitrile

Concen: 0.021 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. 0.19 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 54 Resp: 20

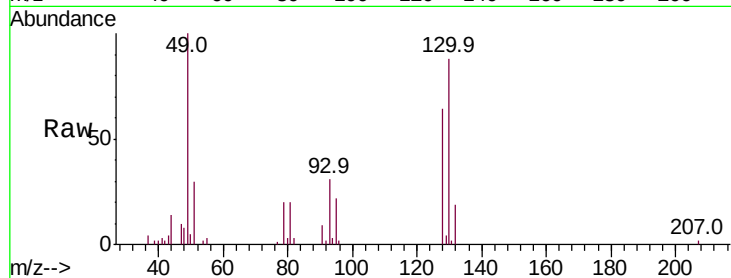
Ion Ratio Lower Upper

54 100

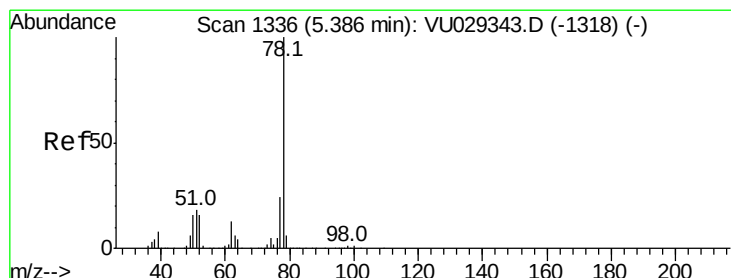
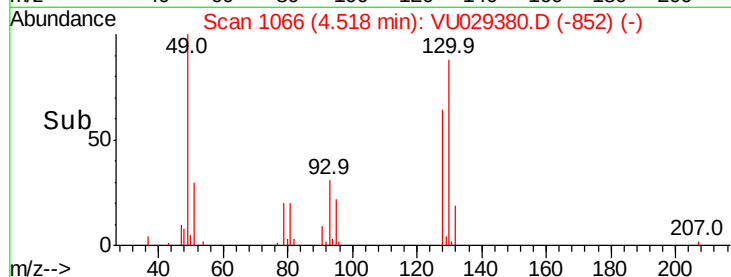
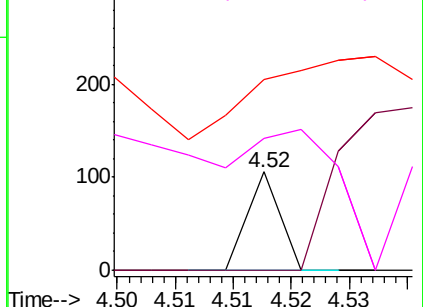
52 730.0 18.9 28.3#

55 450.0 15.1 22.7#

40 0.0 7.2 10.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0



#35

Benzene

Concen: 0.043 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029380.D

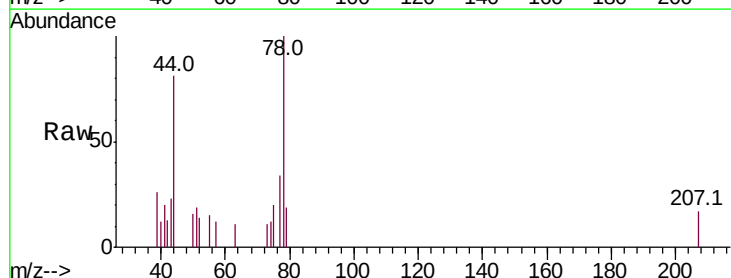
Acq: 08 Feb 2019 15:56

Tgt Ion: 78 Resp: 2459

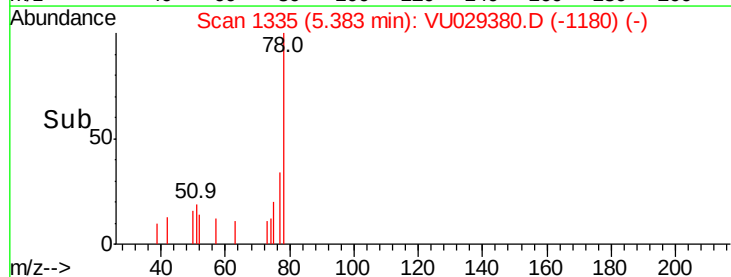
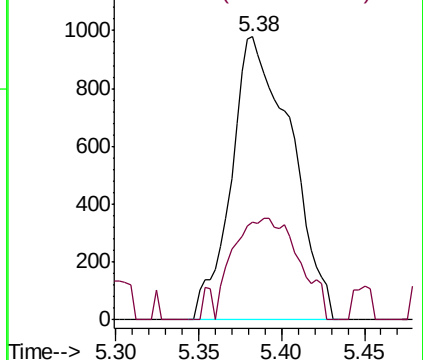
Ion Ratio Lower Upper

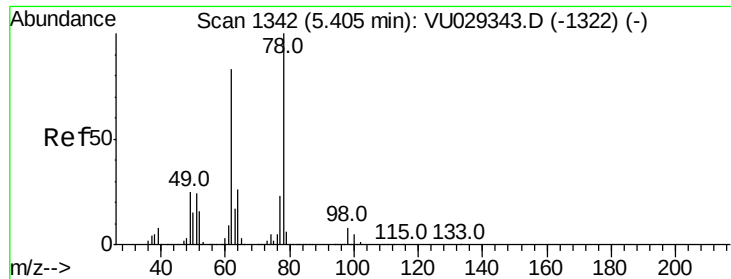
78 100

77 34.5 19.8 29.8#



Abundance Ion 78.10 (77.80 to 78.80): VU0
Ion 77.00 (76.70 to 77.70): VU0





#36

1,2-Dichloroethane

Concen: 0.017 ug/l

RT: 5.41 min Scan# 1345

Delta R.T. 0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

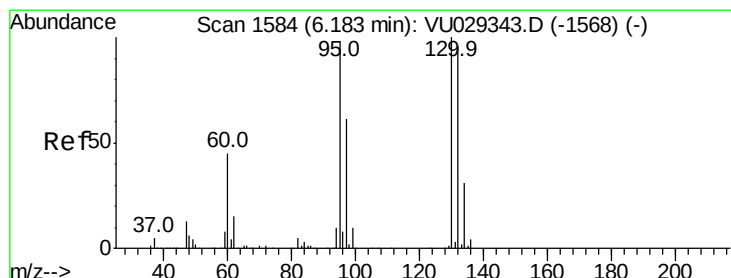
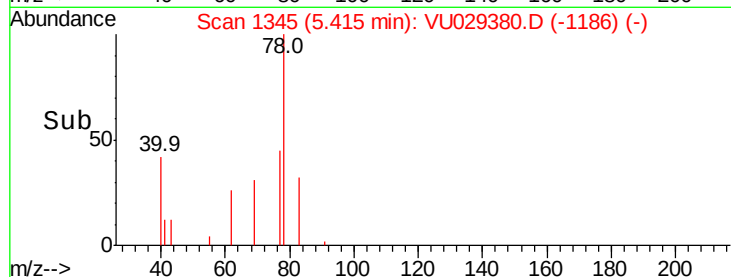
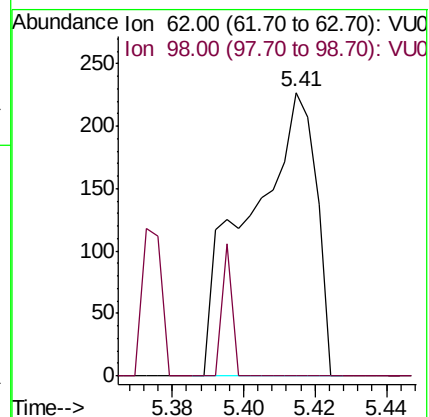
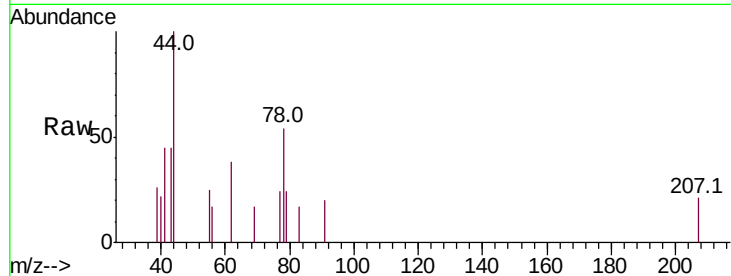
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 294

Ion Ratio Lower Upper

62 100

98 6.8 4.9 7.3



#37

Trichloroethene

Concen: 0.274 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029380.D

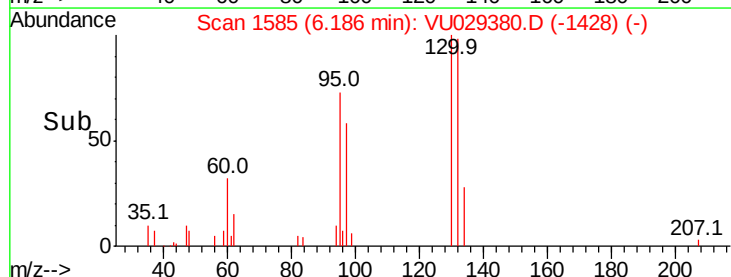
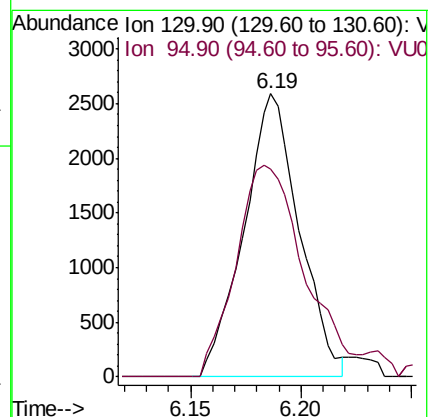
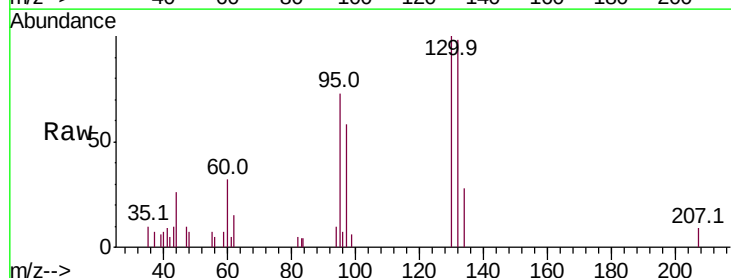
Acq: 08 Feb 2019 15:56

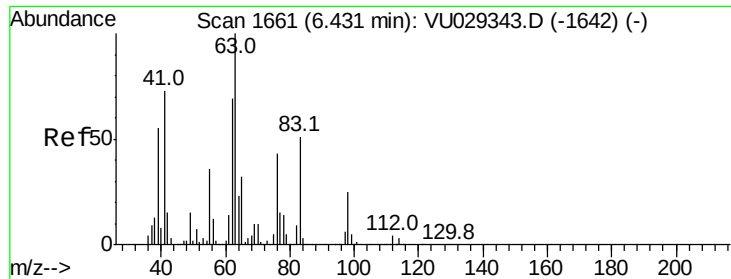
Tgt Ion:130 Resp: 4521

Ion Ratio Lower Upper

130 100

95 73.3 85.4 128.0#

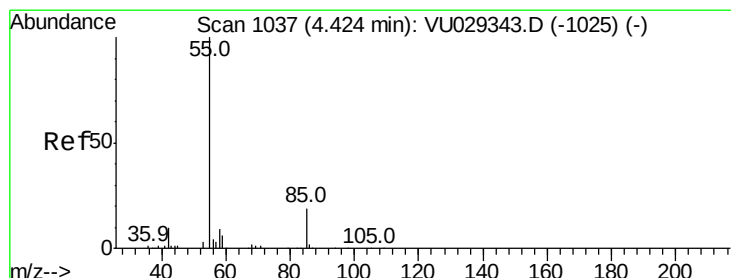
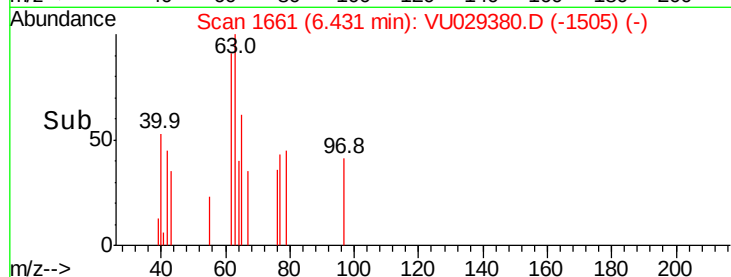
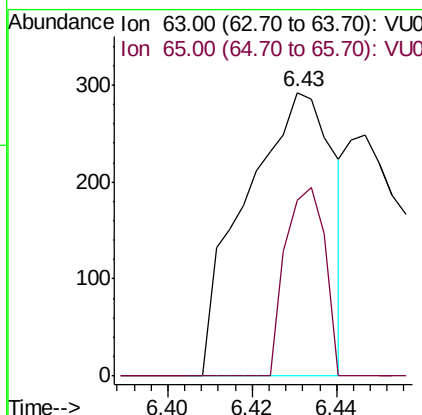
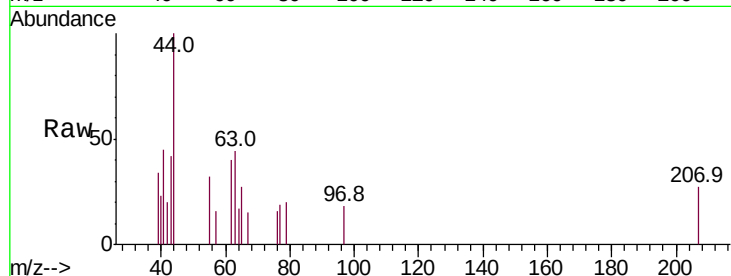




#38
 1,2-Dichloropropane
 Concen: 0.028 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

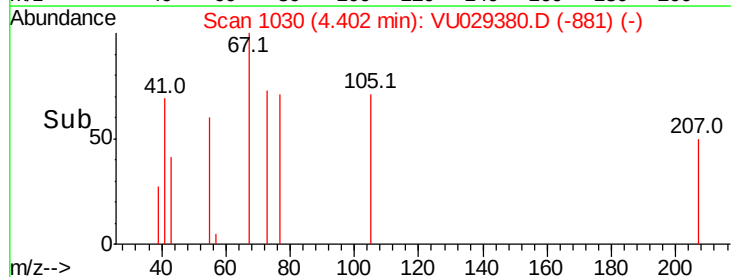
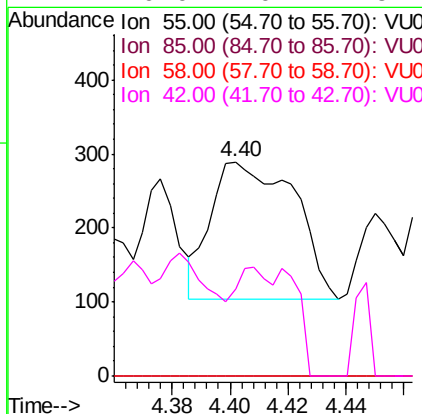
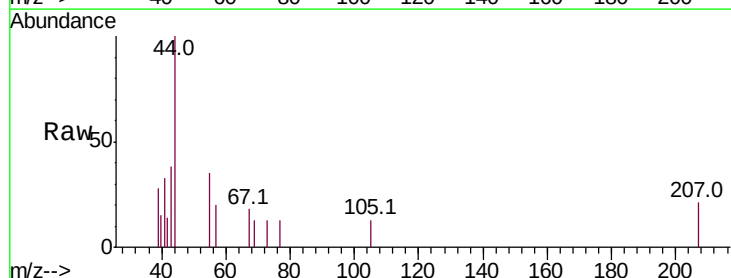
Instrument :
 MSVOA_U
 ClientSampleId :

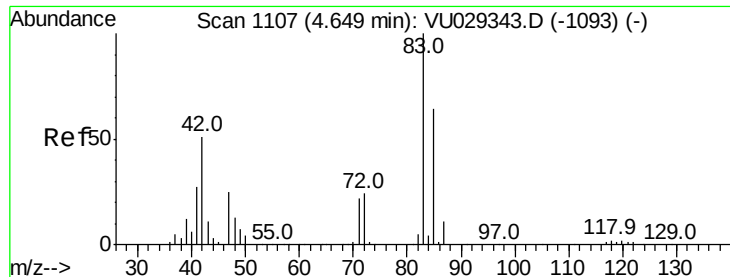
Tot Ion: 63 Resp: 424
 Ion Ratio Lower Upper
 63 100
 65 62.0 25.5 38.3#



#40
 Methyl acrylate
 Concen: 0.050 ug/l
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Tgt Ion: 55 Resp: 370
 Ion Ratio Lower Upper
 55 100
 85 0.0 11.3 16.9#
 58 0.0 6.2 9.4#
 42 0.0 10.1 15.1#





#41

Tetrahydrofuran

Concen: 0.049 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampled :

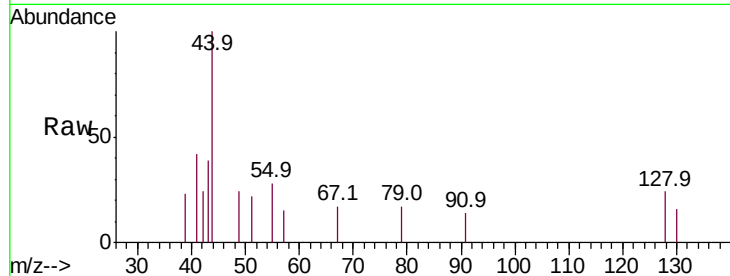
Tot Ion: 42 Resp: 120

Ion Ratio Lower Upper

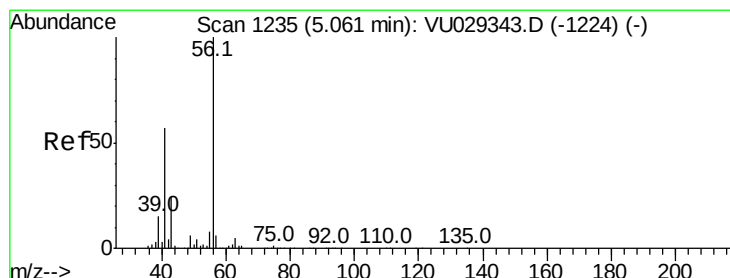
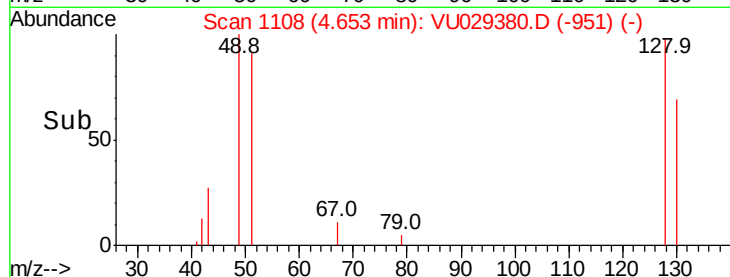
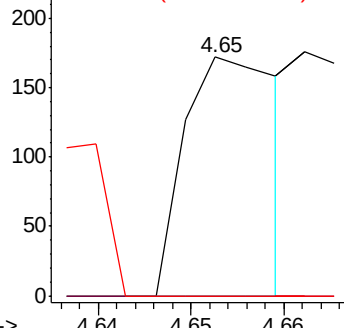
42 100

72 0.0 33.1 49.7#

71 0.0 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: 0.004 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU029380.D

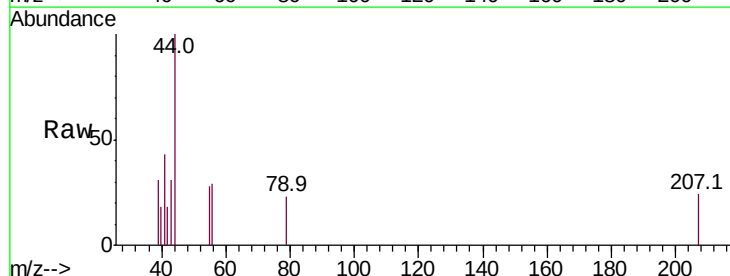
Acq: 08 Feb 2019 15:56

Tgt Ion: 56 Resp: 120

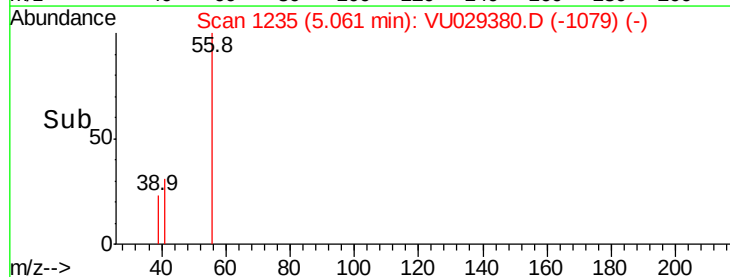
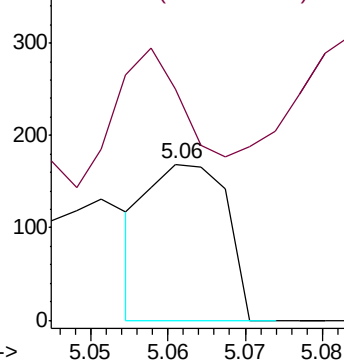
Ion Ratio Lower Upper

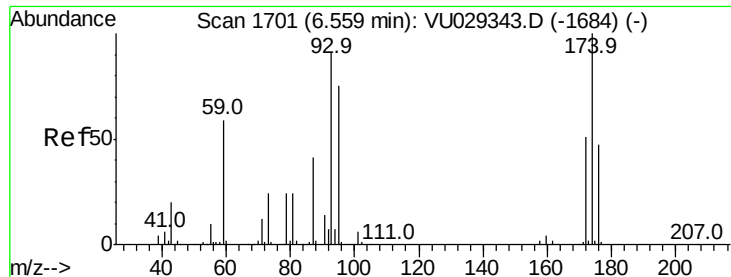
56 100

41 80.8 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: 20.164 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampled :

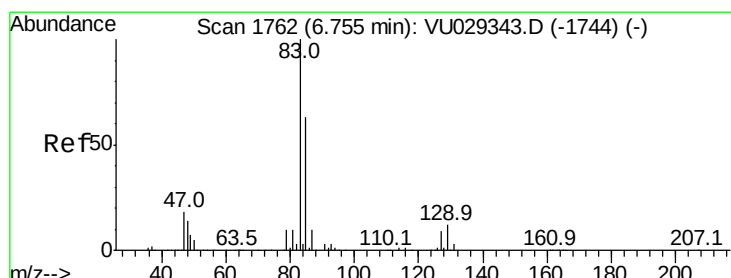
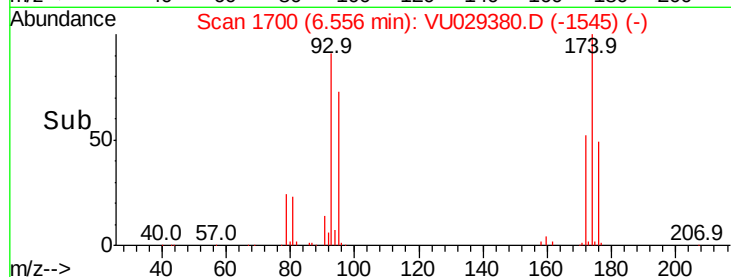
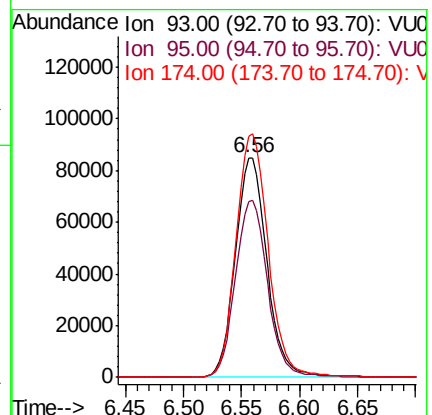
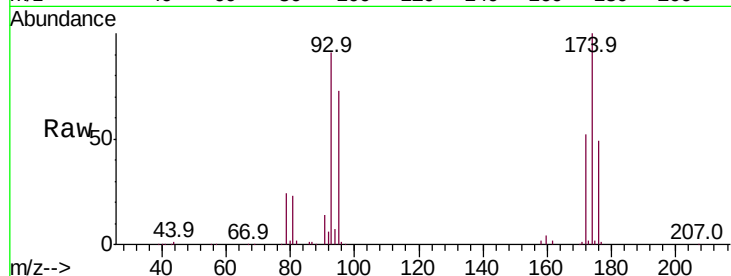
Tot Ion: 93 Resp: 160848

Ion Ratio Lower Upper

93 100

95 82.1 68.2 102.2

174 113.6 77.6 116.4



#44

Bromodichloromethane

Concen: 0.012 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

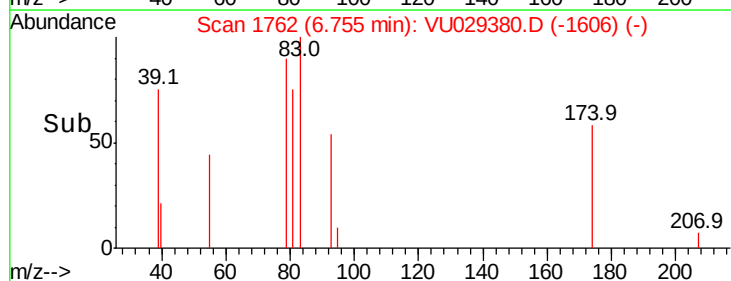
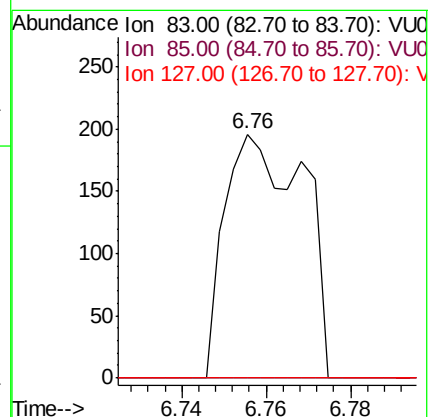
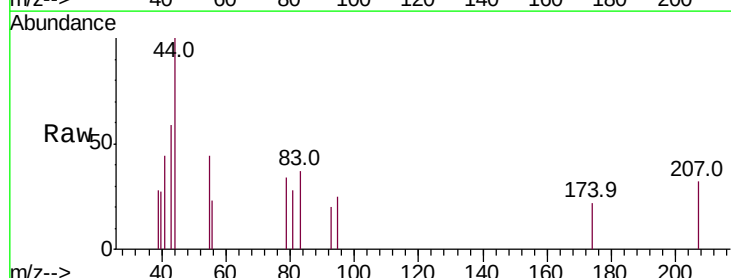
Tgt Ion: 83 Resp: 252

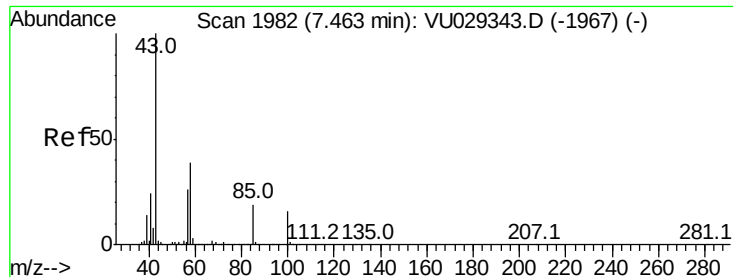
Ion Ratio Lower Upper

83 100

85 0.0 49.2 73.8#

127 0.0 7.0 10.6#





#45

4-Methyl-2-Pentanone

Concen: 0.014 ug/l

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

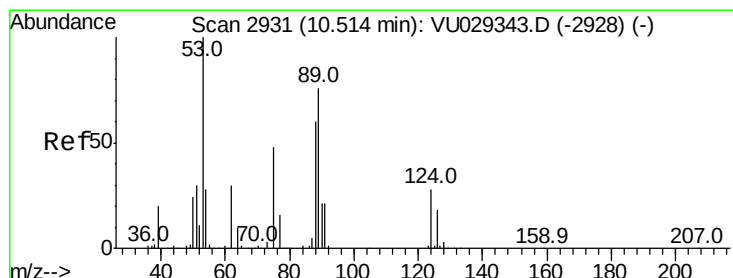
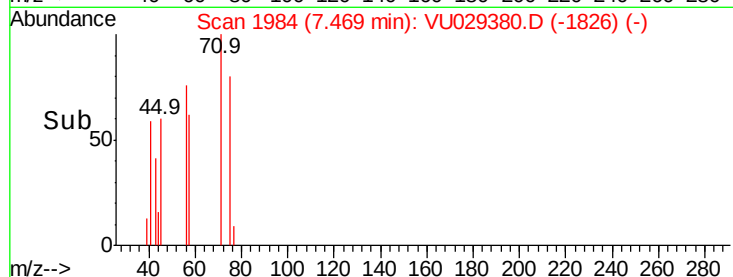
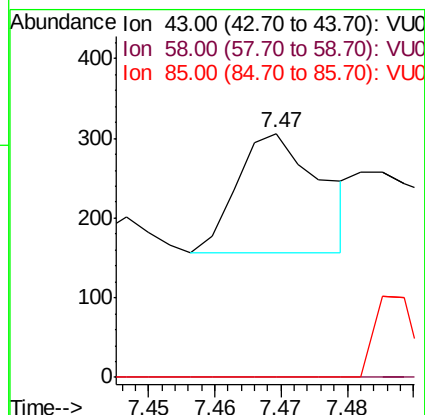
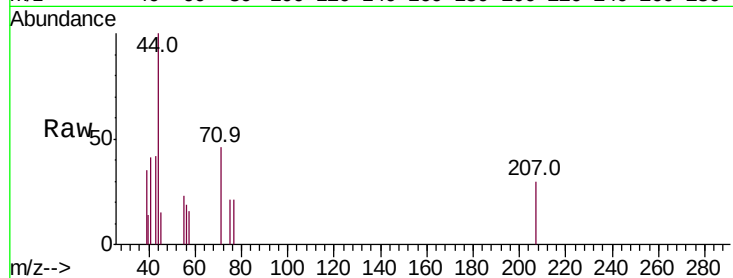
Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 131

Ion	Ratio	Lower	Upper
43	100		
58	0.0	17.6	52.8#
85	0.0	12.3	18.5#



#46

t-1,4-Dichloro-2-butene

Concen: 25.458 ug/l

RT: 10.49 min Scan# 2924

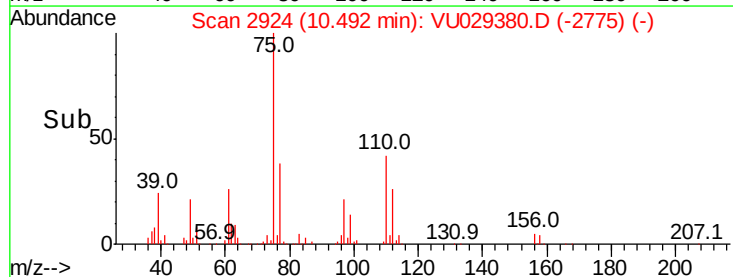
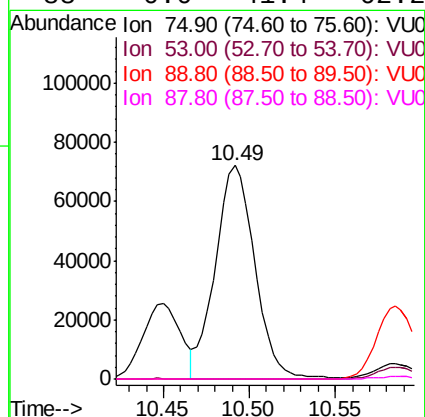
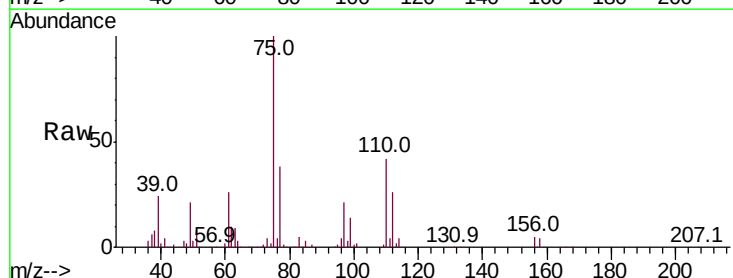
Delta R.T. -0.02 min

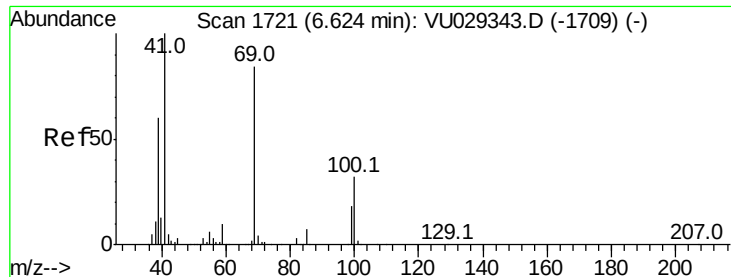
Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Tgt Ion: 75 Resp: 115978

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.2	117.4#
89	0.0	44.2	66.4#
88	0.0	41.4	62.2#





#47

Methyl methacrylate

Concen: 0.006 ug/l

RT: 6.64 min Scan# 1726

Delta R.T. 0.02 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 69 Resp: 44

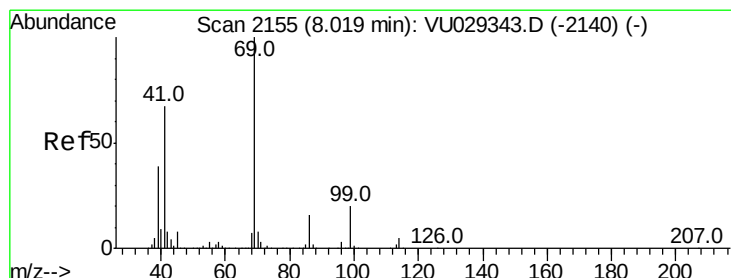
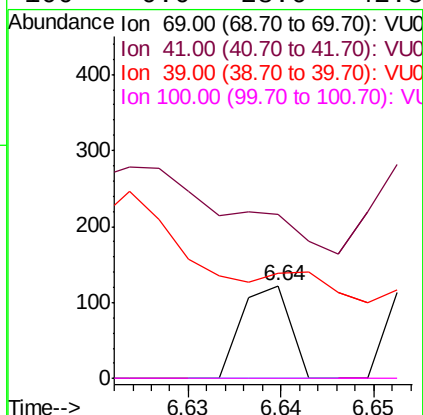
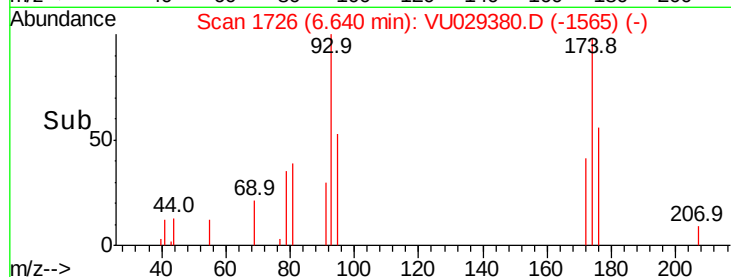
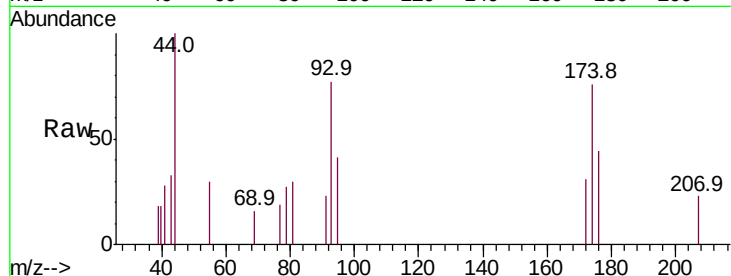
Ion Ratio Lower Upper

69 100

41 377.3 0.0 296.2#

39 161.4 71.2 106.8#

100 0.0 28.6 42.8#



#48

Ethyl methacrylate

Concen: 0.004 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VU029380.D

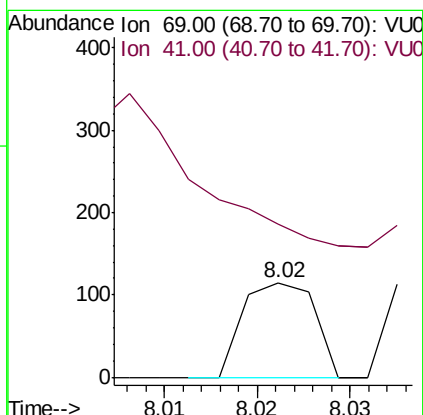
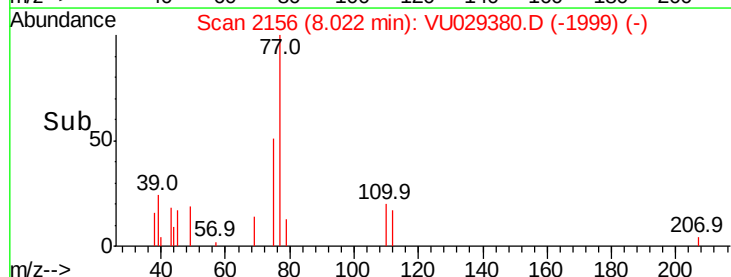
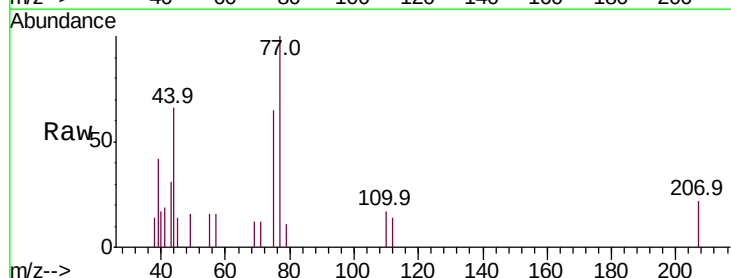
Acq: 08 Feb 2019 15:56

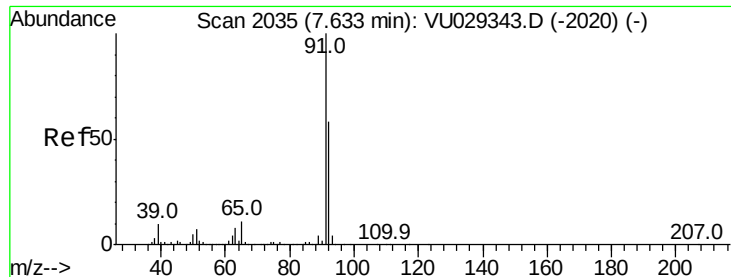
Tgt Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 39.9 119.7#





#49

Toluene

Concen: 0.021 ug/l

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

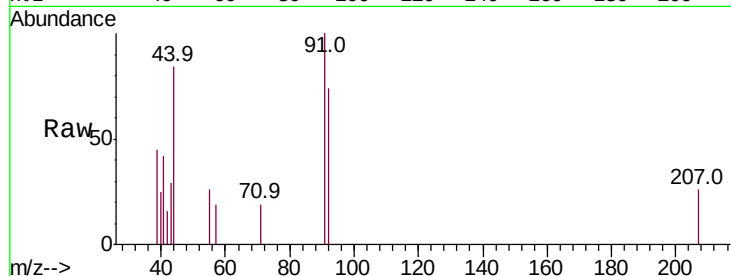
ClientSampled :

Tot Ion: 92 Resp: 788

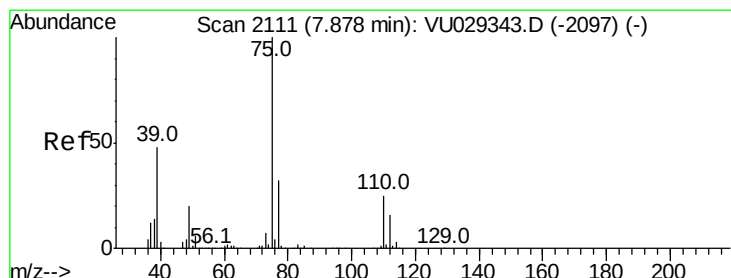
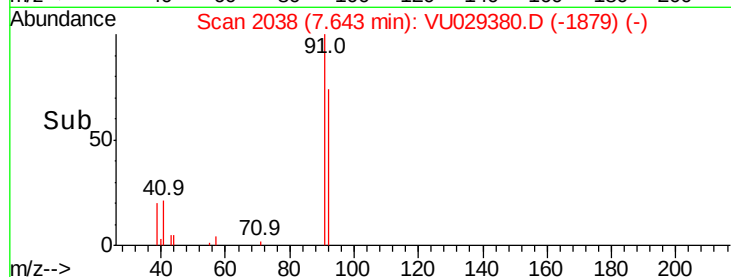
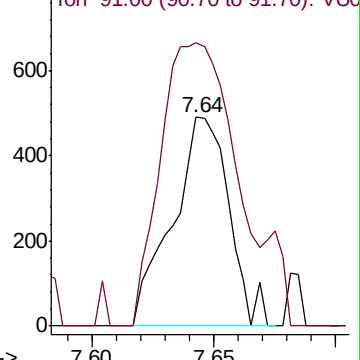
Ion Ratio Lower Upper

92 100

91 175.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VU0



#50

t-1,3-Dichloropropene

Concen: 19.285 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029380.D

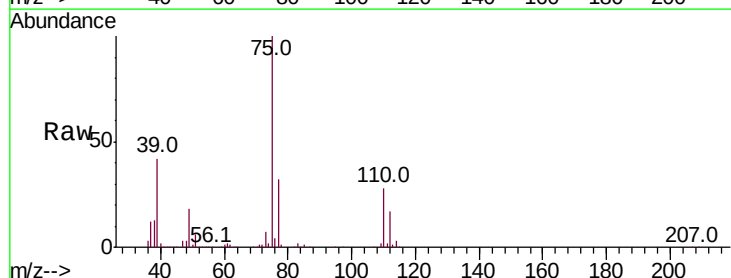
Acq: 08 Feb 2019 15:56

Tgt Ion: 75 Resp: 384227

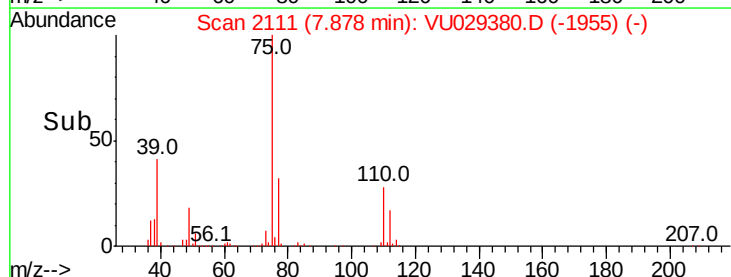
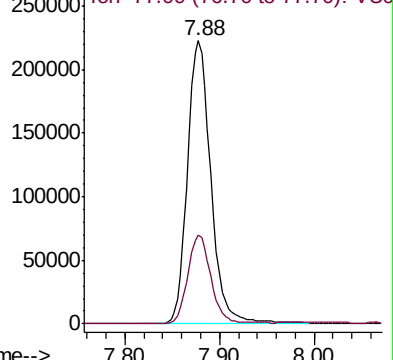
Ion Ratio Lower Upper

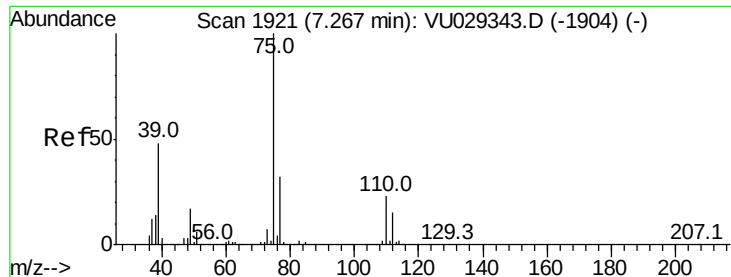
75 100

77 31.5 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0



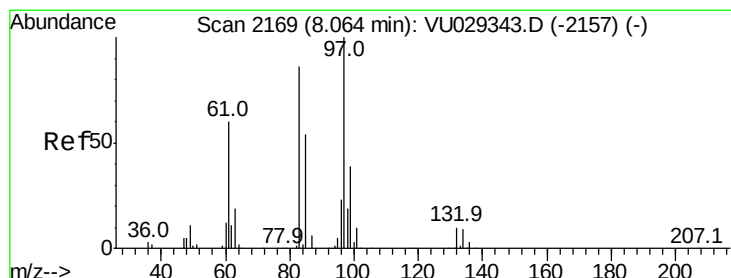
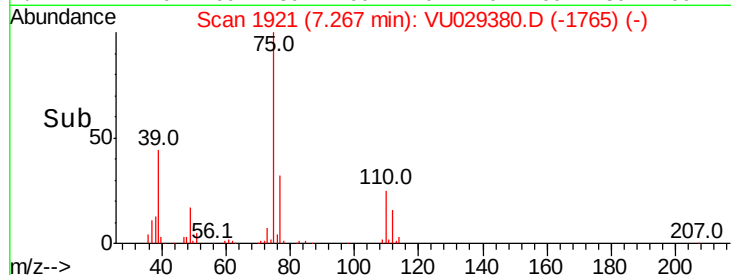
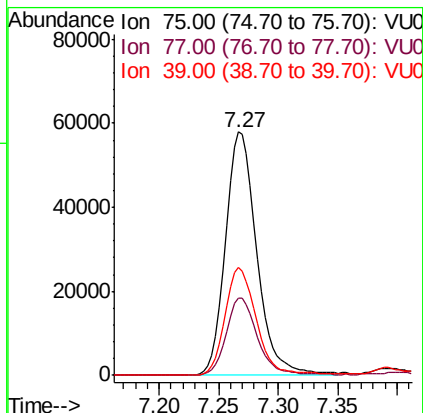
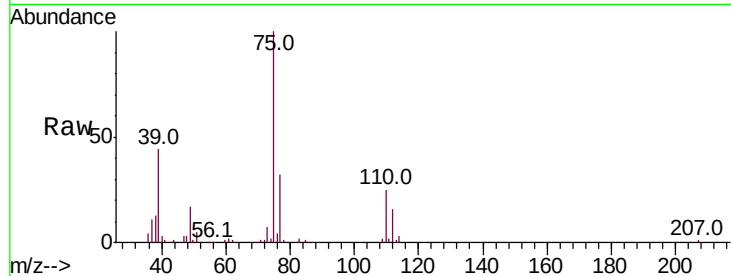


#51

cis-1,3-Dichloropropene
 Concen: 4.474 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Instrument :
 MSVOA_U
 ClientSampleId :

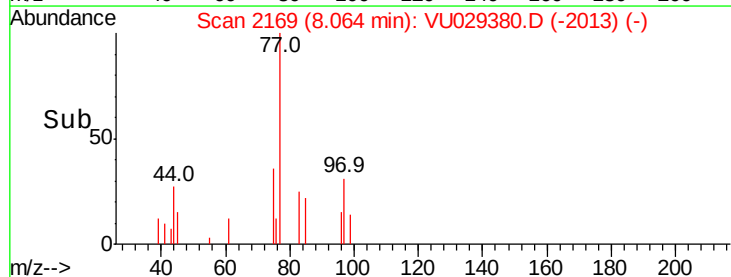
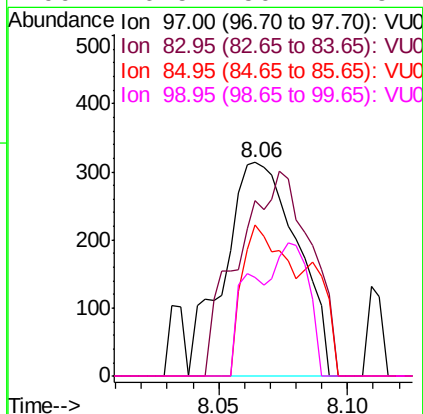
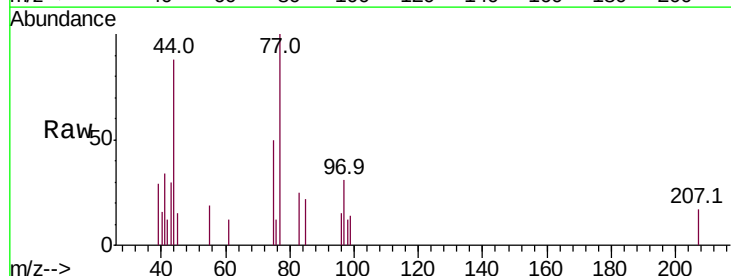
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	43.9	47.2	70.8#

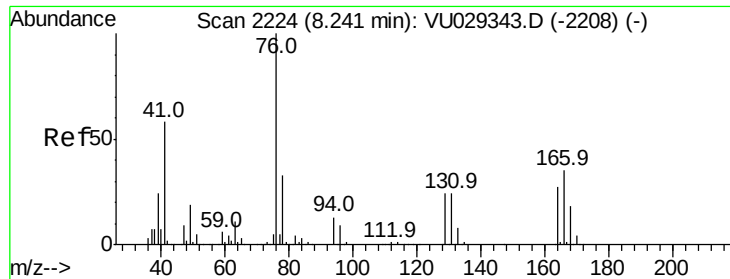


#52

1,1,2-Trichloroethane
 Concen: 0.059 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.2	69.9	104.9
85	71.0	45.8	68.6#
99	46.5	50.2	75.2#





#53

1,3-Dichloropropane

Concen: 3.355 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

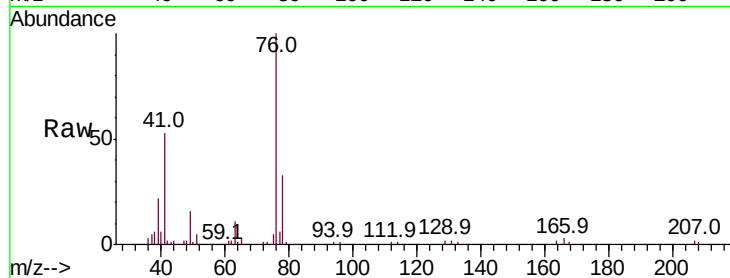
ClientSampleId :

Tot Ion: 76 Resp: 62244

Ion Ratio Lower Upper

76 100

78 33.4 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

40000

30000

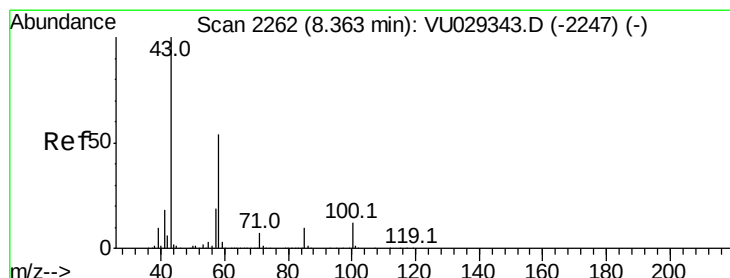
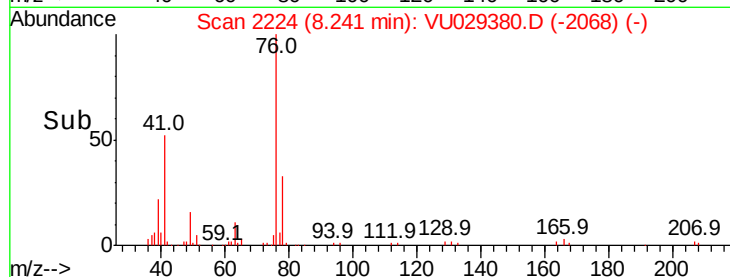
20000

10000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#54

2-Hexanone

Concen: 0.018 ug/l

RT: 8.36 min Scan# 2260

Delta R.T. -0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

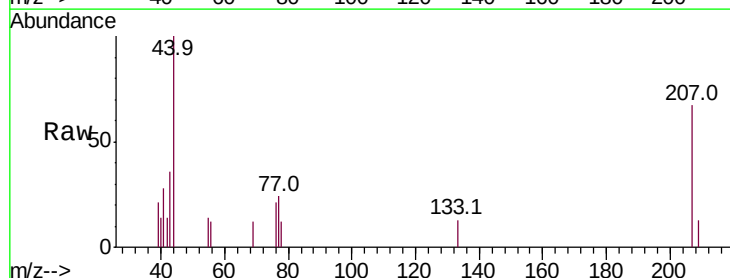
Tgt Ion: 43 Resp: 120

Ion Ratio Lower Upper

43 100

58 0.0 26.0 66.0#

57 52.5 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

400

300

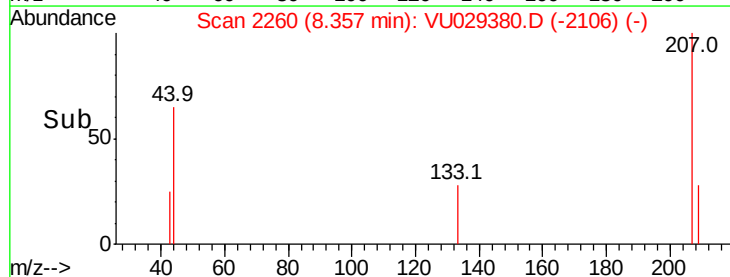
200

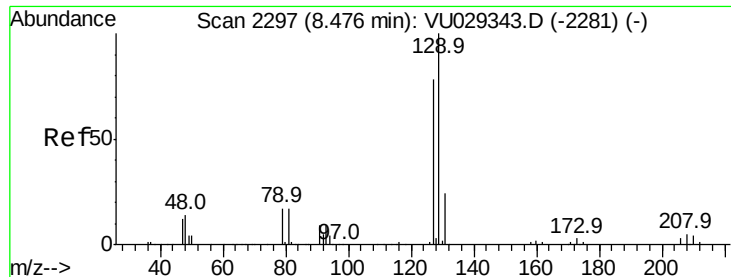
100

0

8.32 8.34 8.36

Time-->





#55

Dibromochloromethane

Concen: 0.154 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. -0.25 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

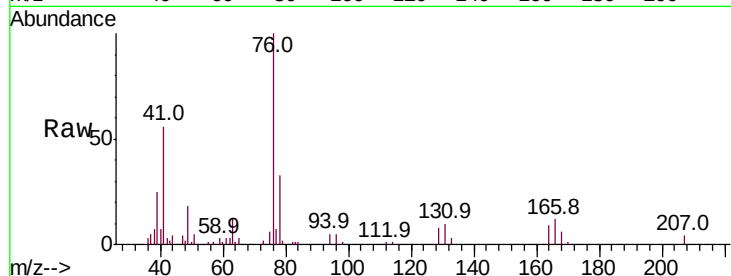
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 2313

Ion Ratio Lower Upper

129 100

127 0.0 60.5 90.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.23

1500

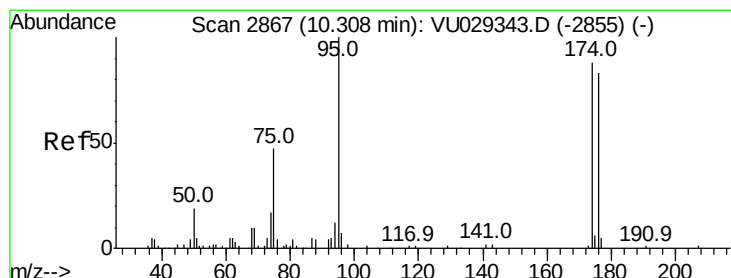
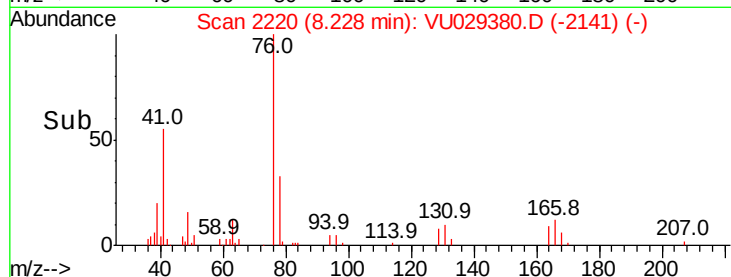
1000

500

0

Time-->

8.20 8.25



#57

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

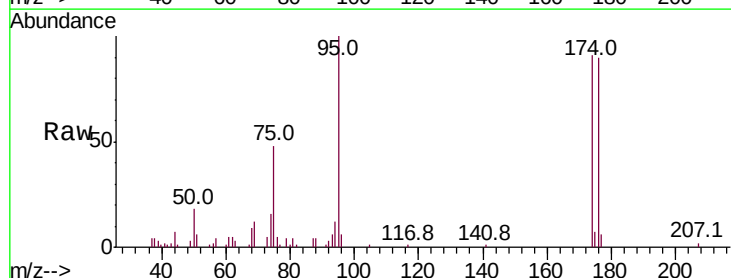
Tgt Ion: 95 Resp: 20707

Ion Ratio Lower Upper

95 100

174 91.9 64.2 96.2

176 88.1 62.3 93.5



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

15000

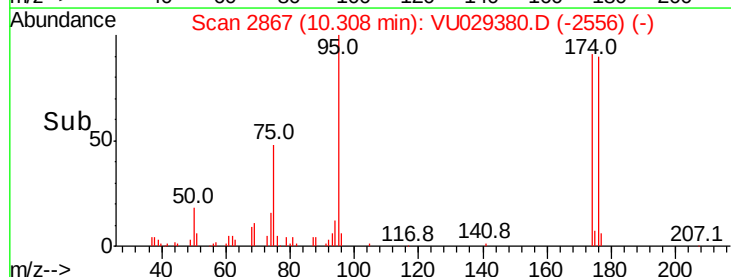
10000

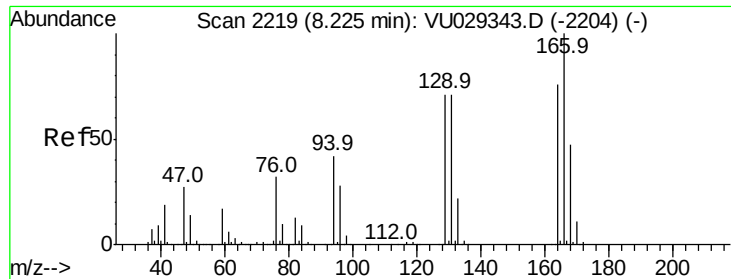
5000

0

Time-->

10.25 10.30 10.35





#58

Tetrachloroethene

Concen: 0.172 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 2639

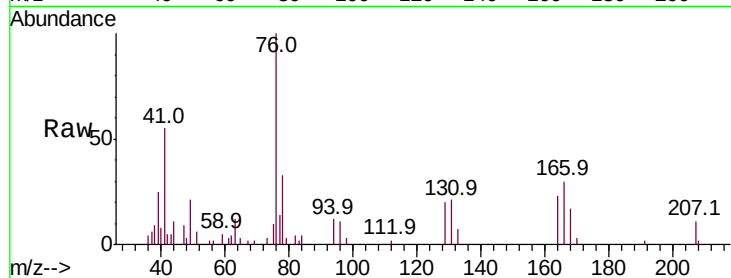
Ion Ratio Lower Upper

164 100

166 131.8 106.6 159.8

129 85.0 79.9 119.9

131 92.4 75.8 113.8



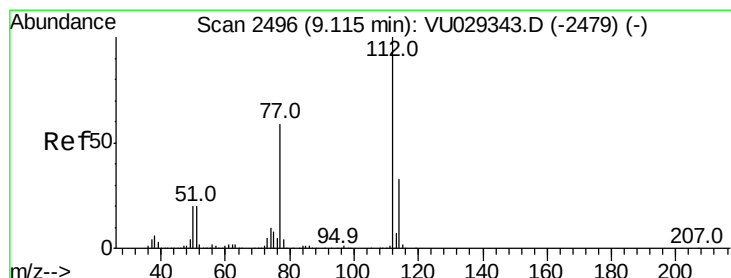
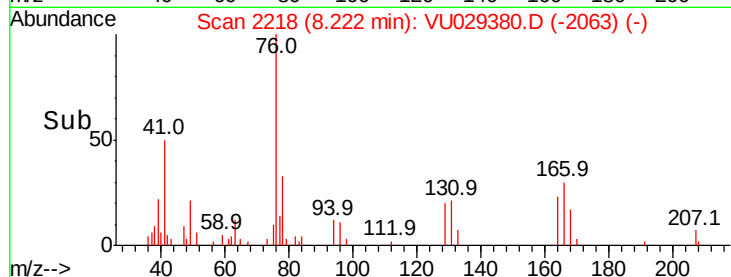
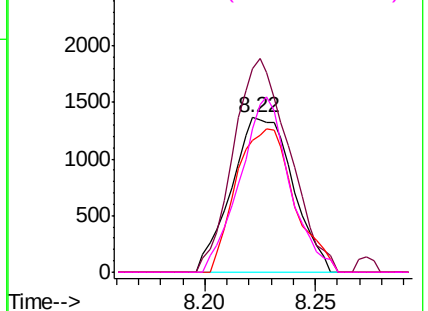
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.011 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029380.D

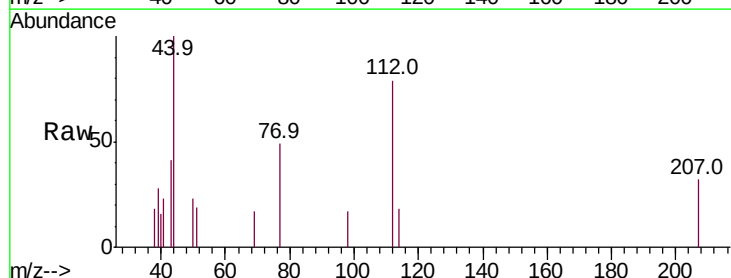
Acq: 08 Feb 2019 15:56

Tgt Ion:112 Resp: 463

Ion Ratio Lower Upper

112 100

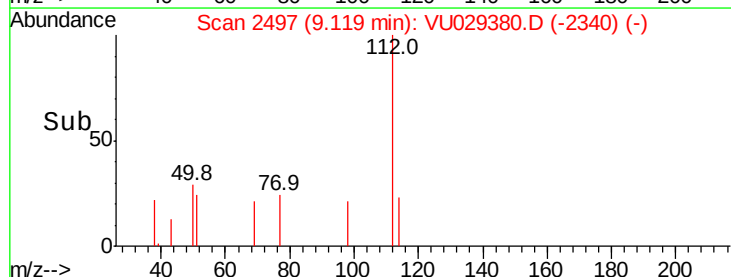
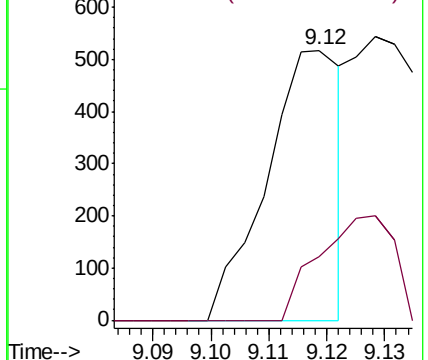
114 23.4 26.2 39.4#

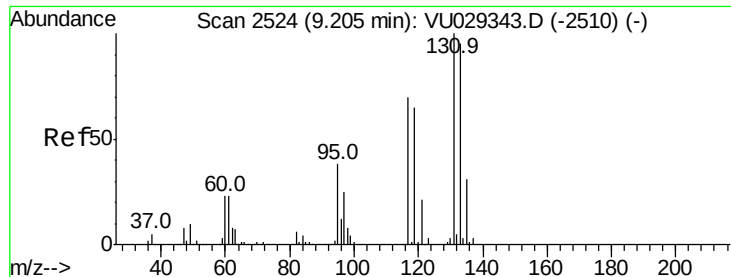


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#60

1,1,1,2-Tetrachloroethane

Concen: 15.549 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

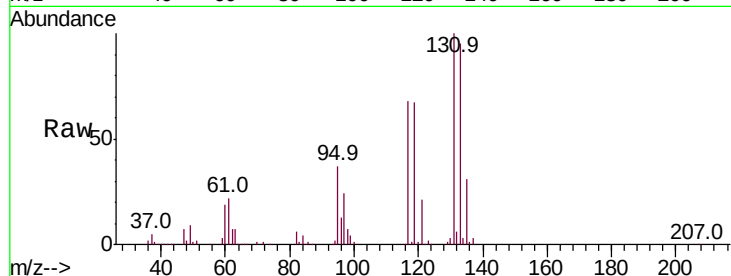
Tot Ion:131 Resp: 238321

Ion Ratio Lower Upper

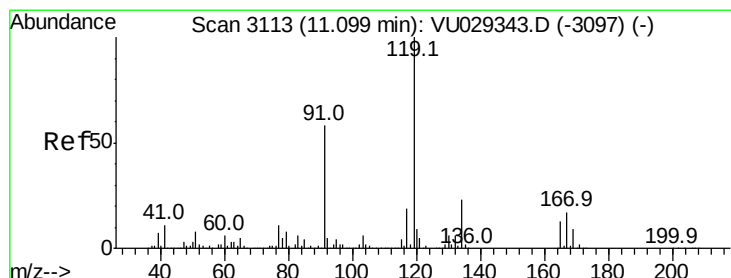
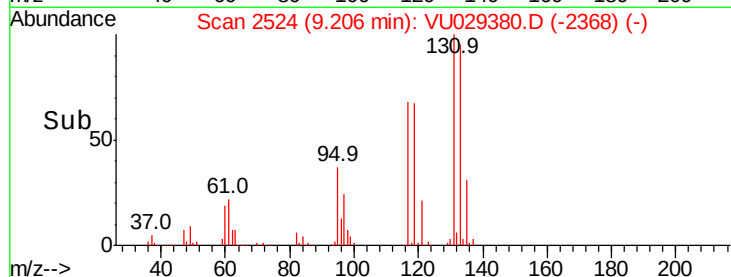
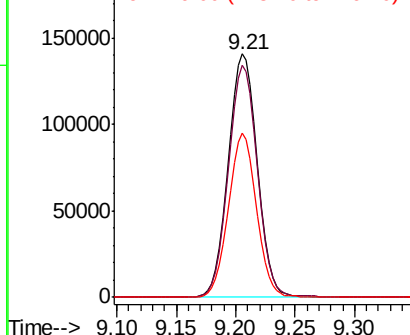
131 100

133 95.4 77.3 115.9

119 65.2 48.9 73.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 3.796 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029380.D

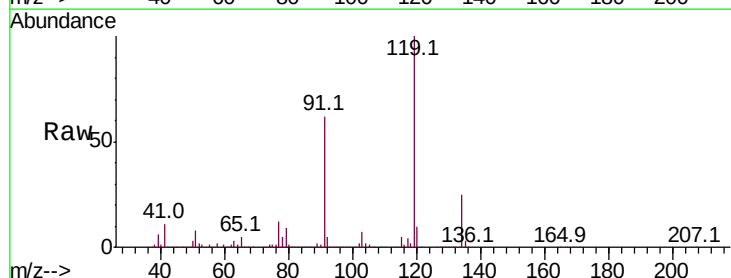
Acq: 08 Feb 2019 15:56

Tgt Ion:117 Resp: 45098

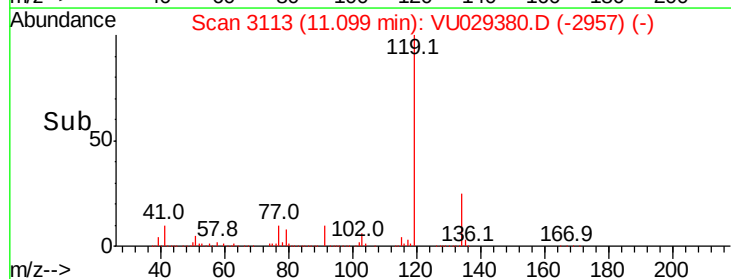
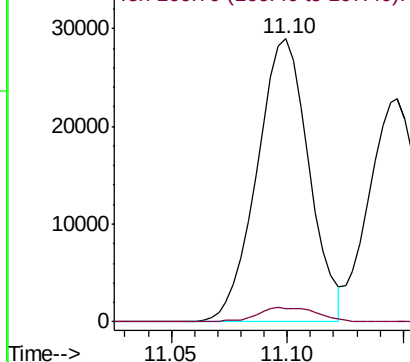
Ion Ratio Lower Upper

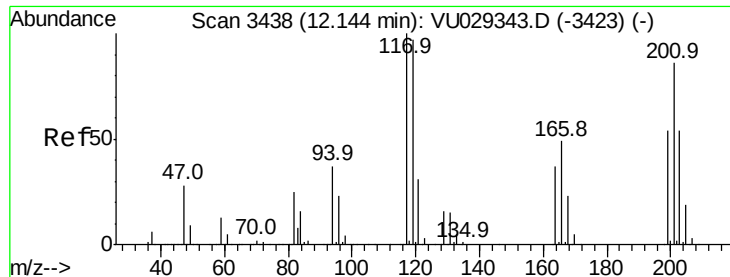
117 100

167 5.8 65.9 98.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 166.70 (166.40 to 167.40): V





#62

Hexachloroethane

Concen: 0.269 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

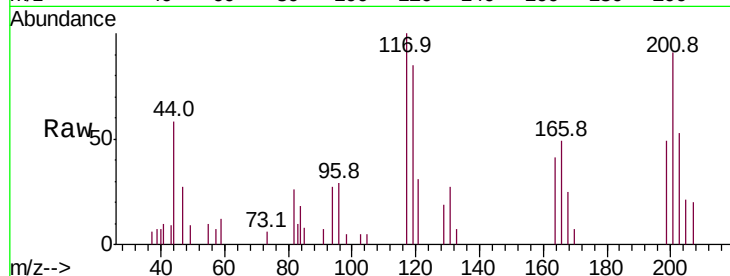
ClientSampled :

Tot Ion:117 Resp: 3485

Ion Ratio Lower Upper

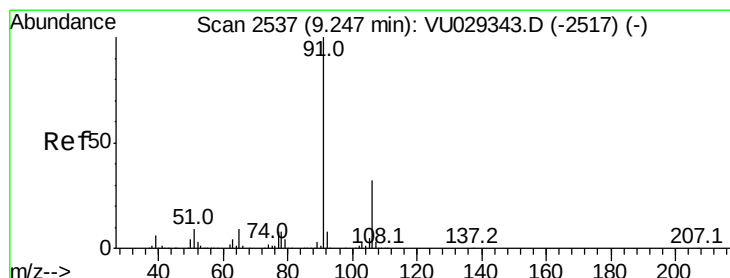
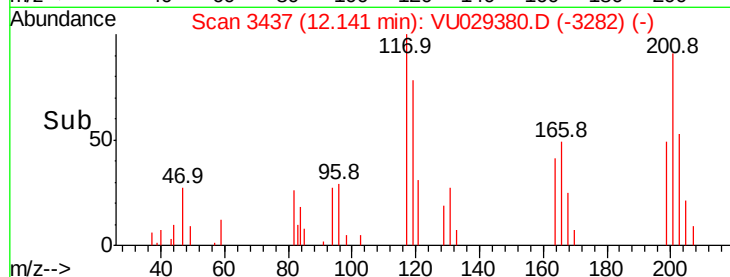
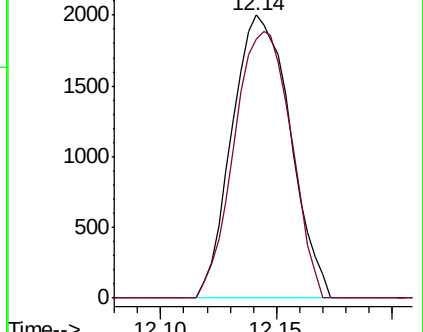
117 100

201 91.9 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.033 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029380.D

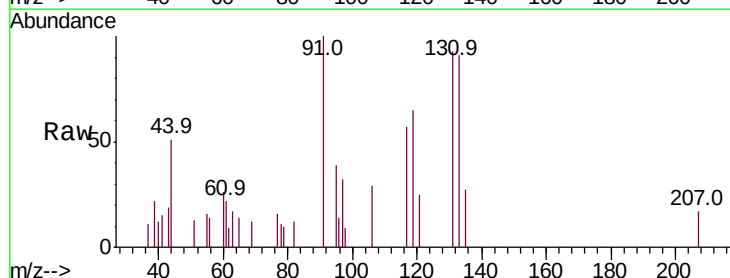
Acq: 08 Feb 2019 15:56

Tgt Ion: 91 Resp: 2359

Ion Ratio Lower Upper

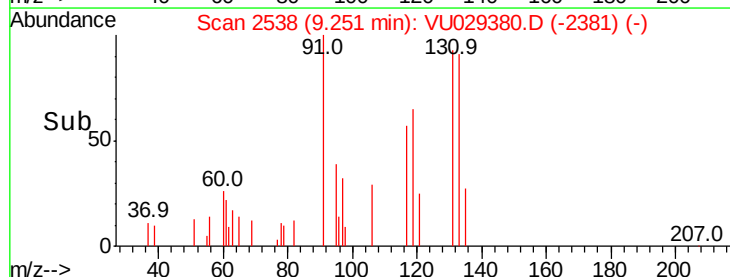
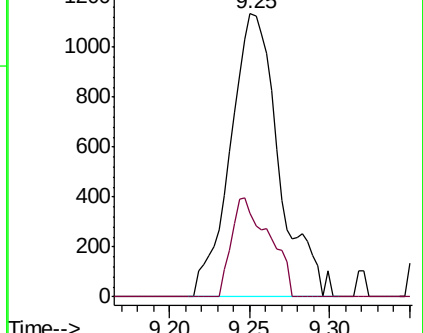
91 100

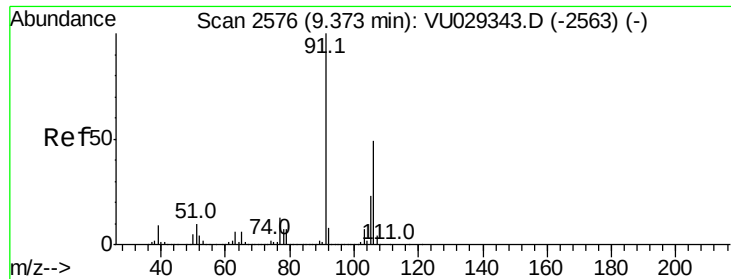
106 29.4 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xvlenes

Concen: 0.018 ug/l

RT: 9.38 min Scan# 2579

Delta R.T. 0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

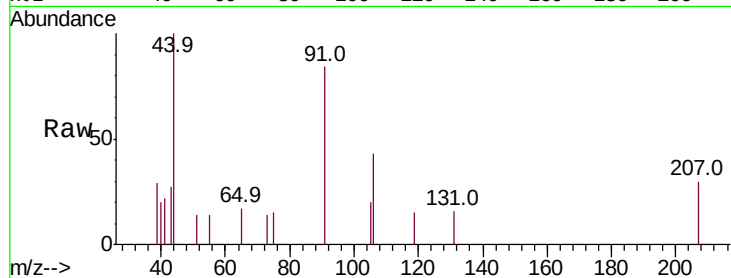
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 511

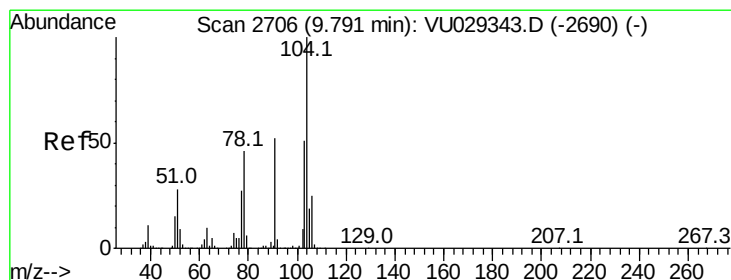
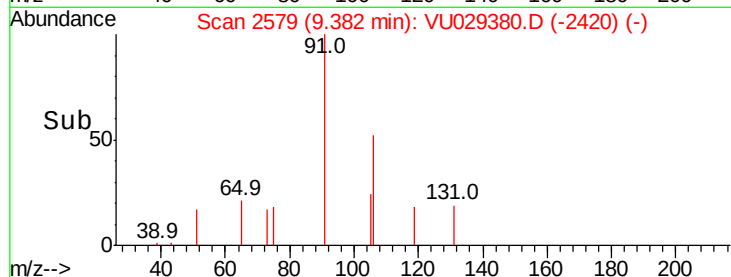
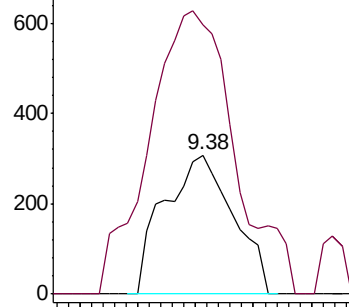
Ion Ratio Lower Upper

106 100

91 252.8 174.6 261.8



Abundance Ion 106.00 (105.70 to 106.70): V



#66

Styrene

Concen: 0.034 ug/l

RT: 9.80 min Scan# 2710

Delta R.T. 0.01 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

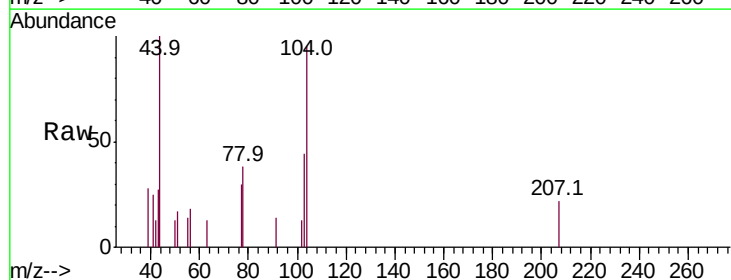
Tgt Ion:104 Resp: 1567

Ion Ratio Lower Upper

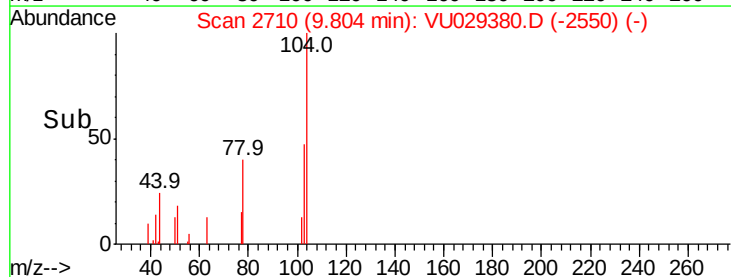
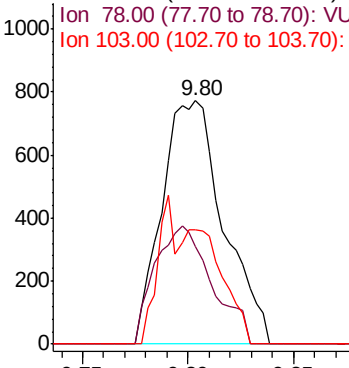
104 100

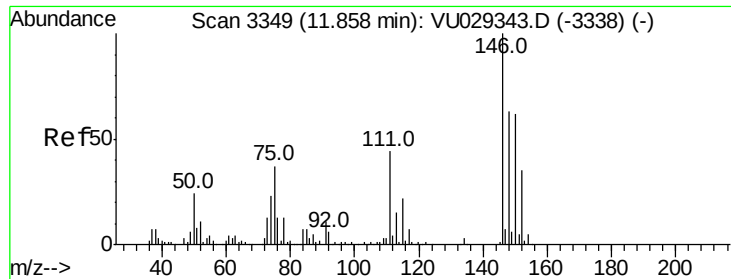
78 0.0 46.5 69.7#

103 0.0 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V





#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

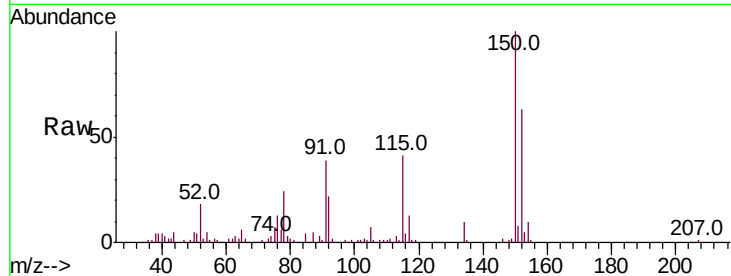
Tot Ion:152 Resp: 23173

Ion Ratio Lower Upper

152 100

115 60.8 0.0 133.4

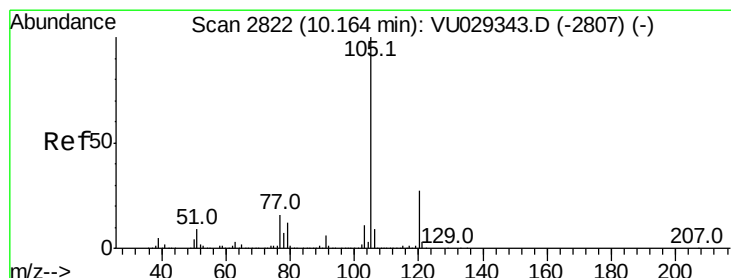
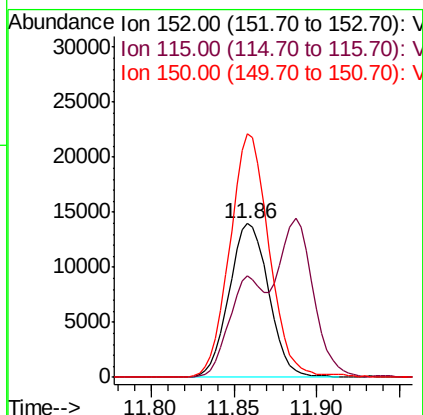
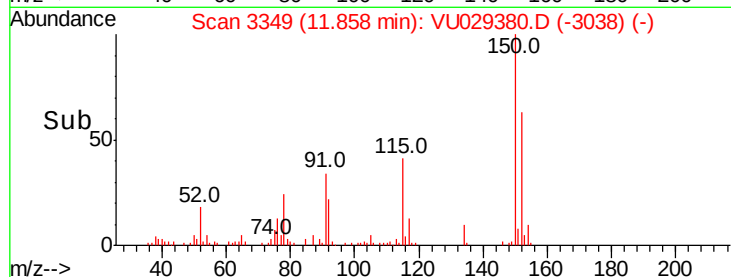
150 157.9 0.0 670.8



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 6.584 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029380.D

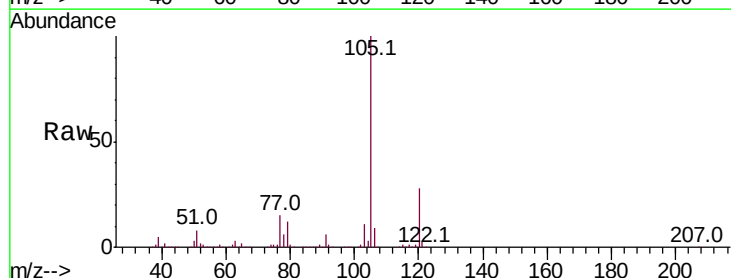
Acq: 08 Feb 2019 15:56

Tgt Ion:105 Resp: 483374

Ion Ratio Lower Upper

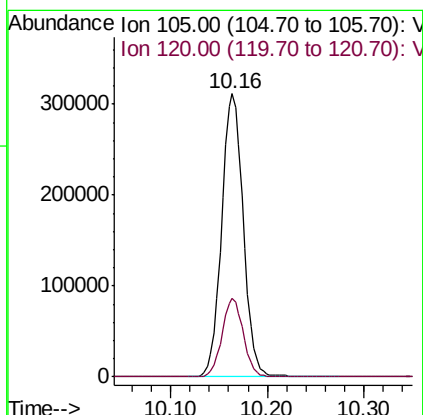
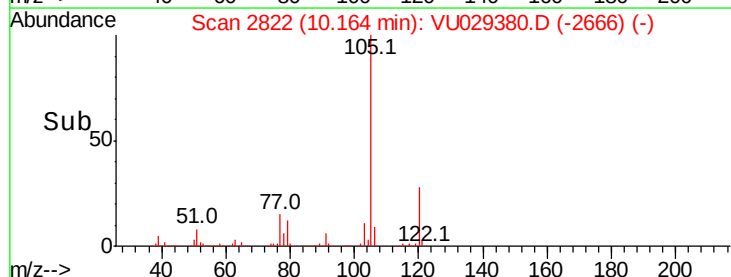
105 100

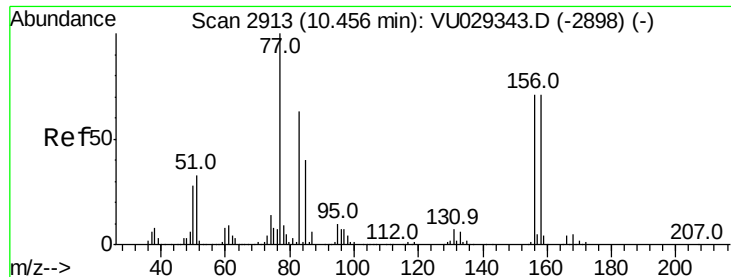
120 27.2 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 17.008 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

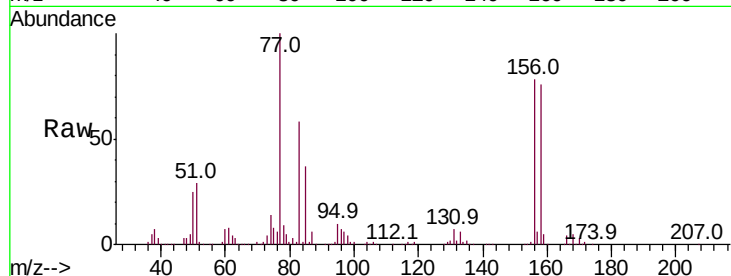
Tot Ion: 83 Resp: 230209

Ion	Ratio	Lower	Upper
83	100		
131	11.6	8.1	12.1
85	64.5	50.3	75.5

83 100

131 11.6 8.1 12.1

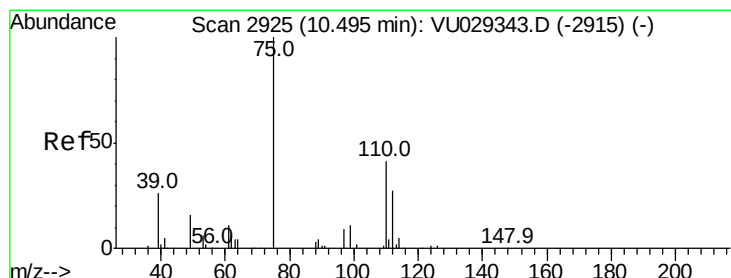
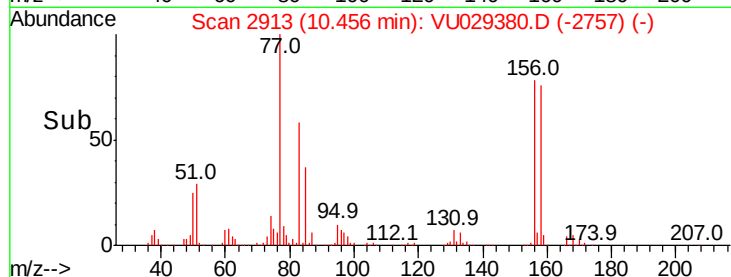
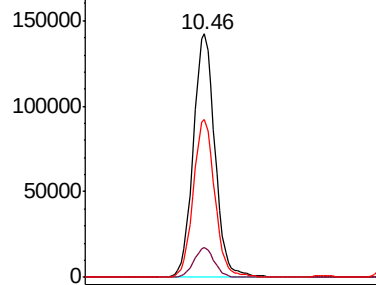
85 64.5 50.3 75.5



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



#71

1,2,3-Trichloropropane

Concen: 12.478 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Tgt Ion: 75 Resp: 115978

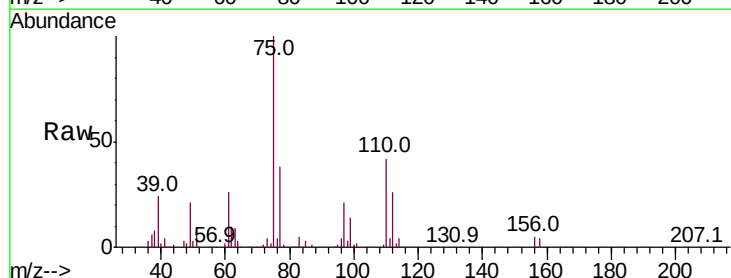
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	41.4	0.0	63.6
97	20.1	0.0	31.4

75 100

77 0.0 0.0 0.0

110 41.4 0.0 63.6

97 20.1 0.0 31.4

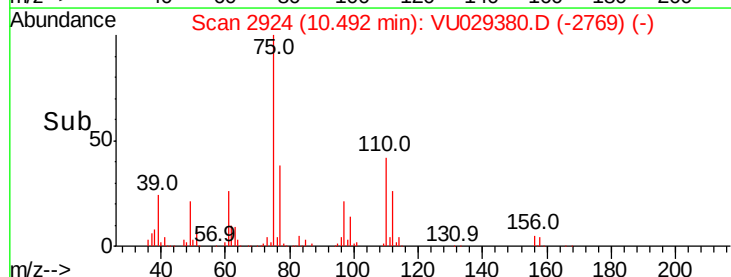
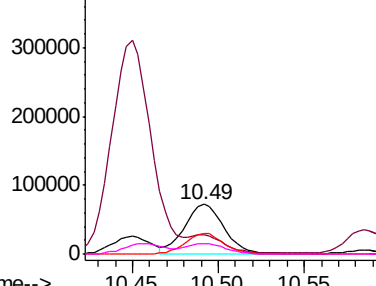


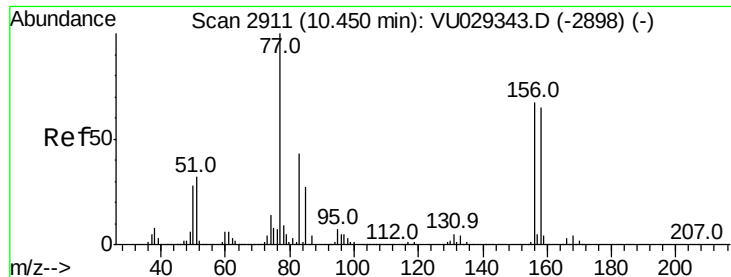
Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 20.786 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

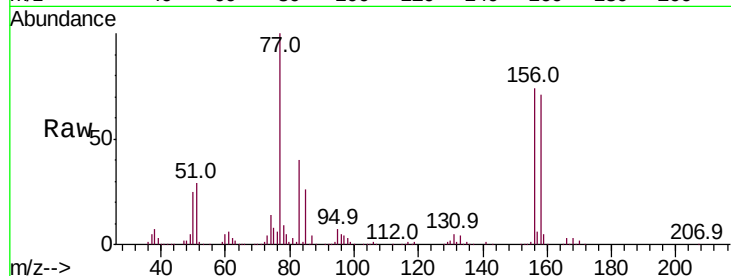
Tot Ion:156 Resp: 369878

Ion Ratio Lower Upper

156 100

77 134.3 0.0 343.8

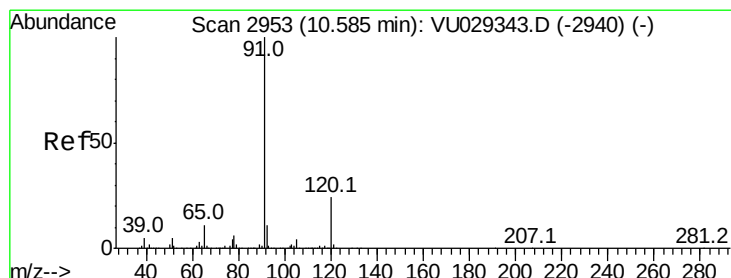
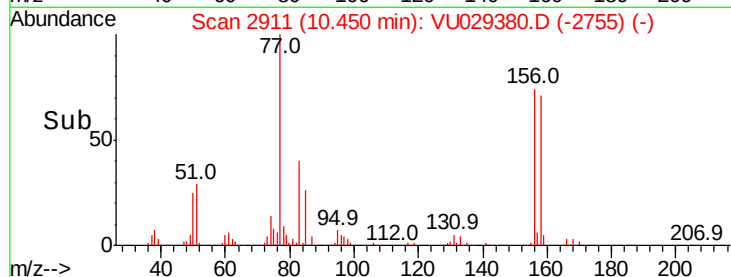
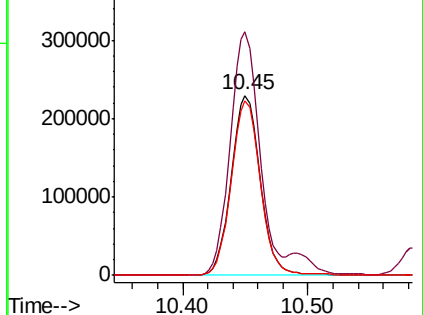
158 97.4 0.0 195.0



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: 16.996 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029380.D

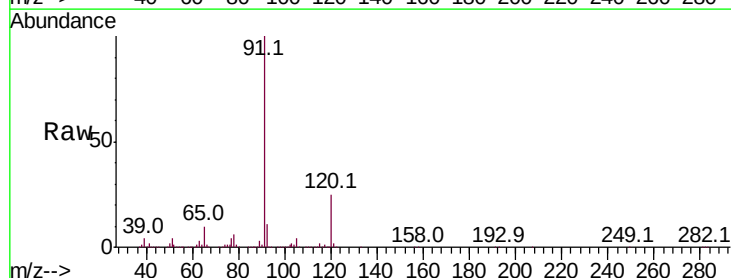
Acq: 08 Feb 2019 15:56

Tgt Ion:120 Resp: 347536

Ion Ratio Lower Upper

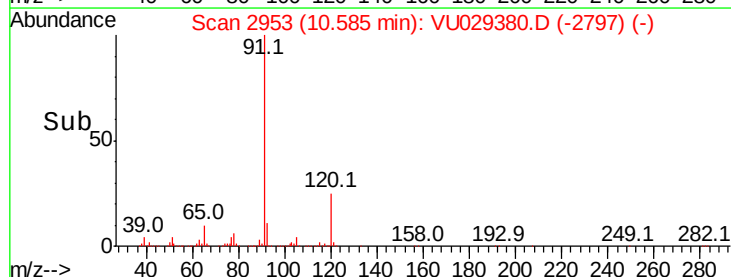
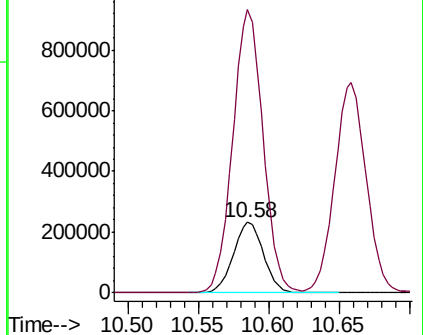
120 100

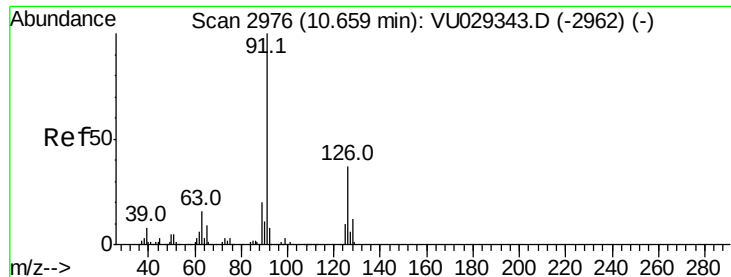
91 403.9 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 23.003 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

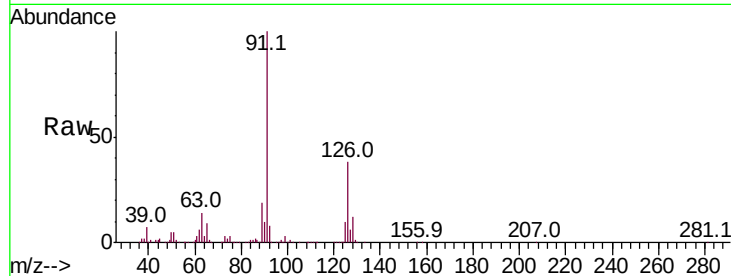
ClientSampleId :

Tot Ion:126 Resp: 400525

Ion Ratio Lower Upper

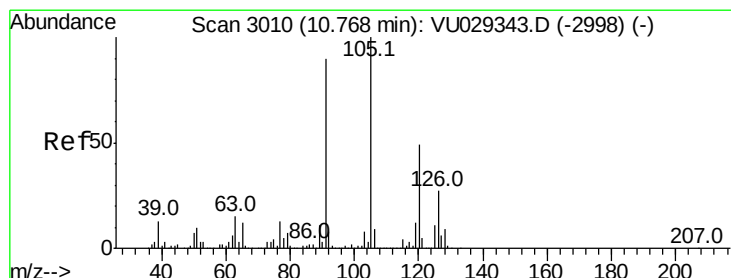
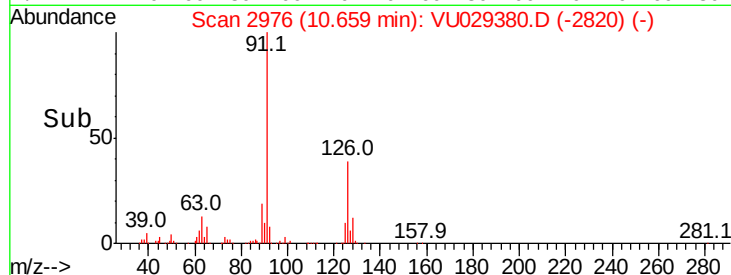
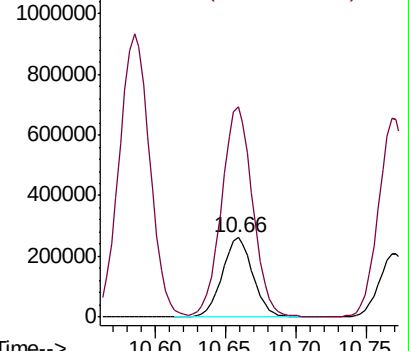
126 100

91 266.5 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: 19.357 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029380.D

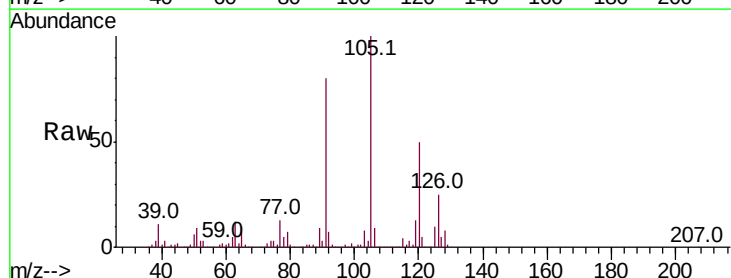
Acq: 08 Feb 2019 15:56

Tgt Ion:105 Resp: 1225142

Ion Ratio Lower Upper

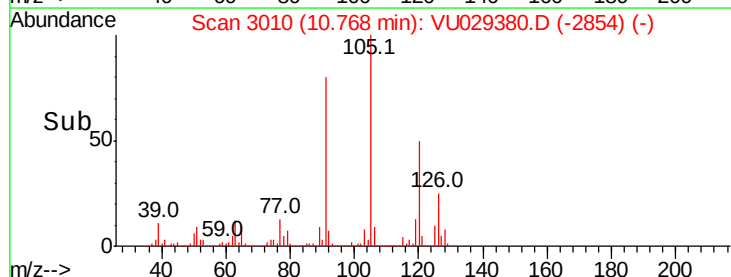
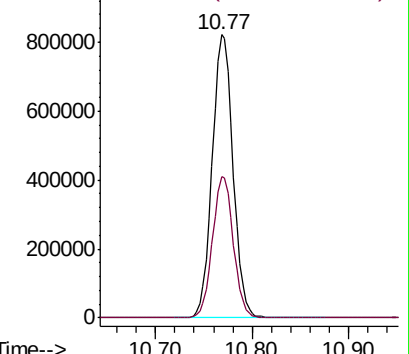
105 100

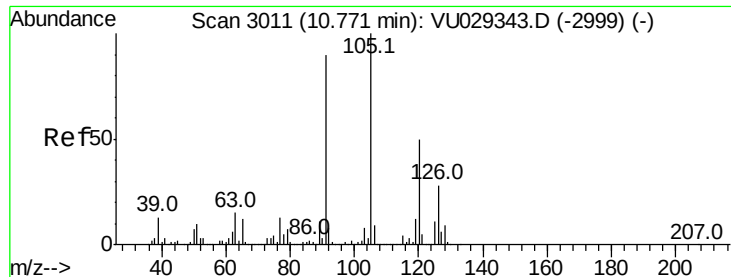
120 50.1 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 17.879 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

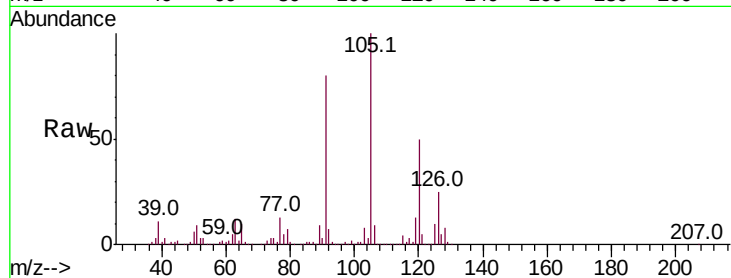
ClientSampleId :

Tot Ion:126 Resp: 323096

Ion Ratio Lower Upper

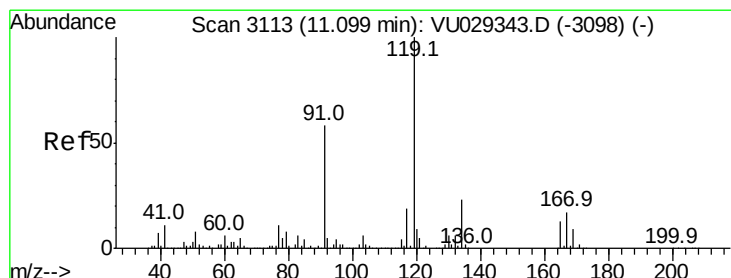
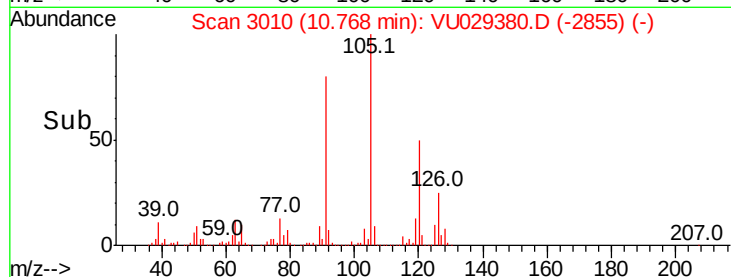
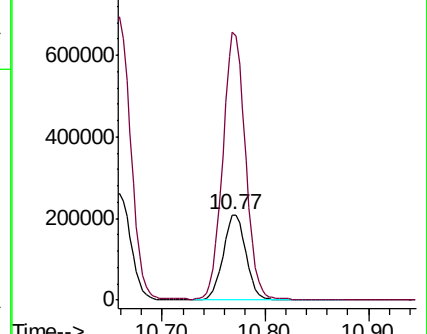
126 100

91 307.5 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 20.074 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

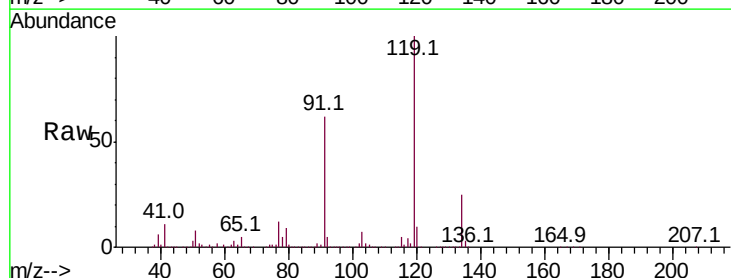
Tgt Ion:119 Resp: 1255847

Ion Ratio Lower Upper

119 100

91 62.8 32.2 96.6

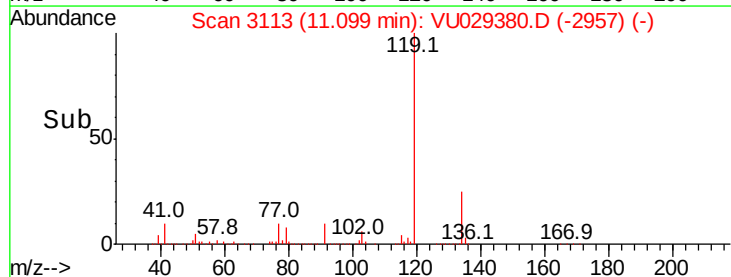
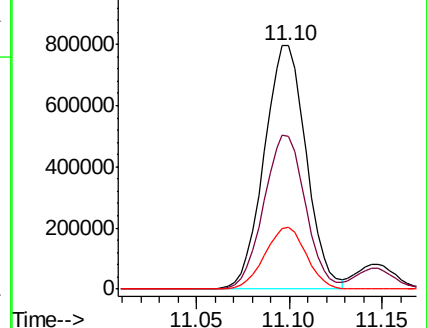
134 25.0 17.6 26.4

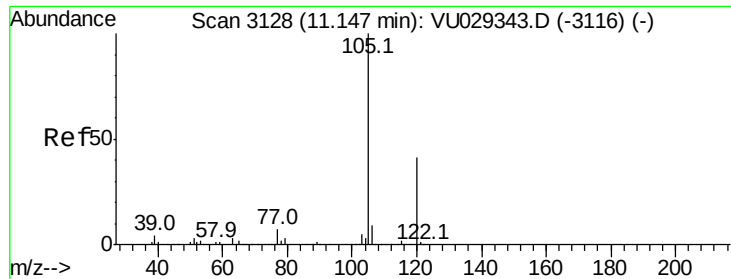


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



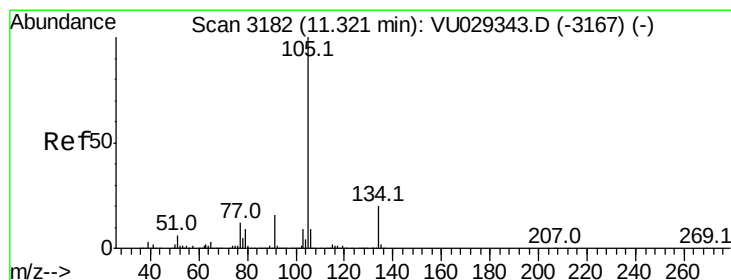
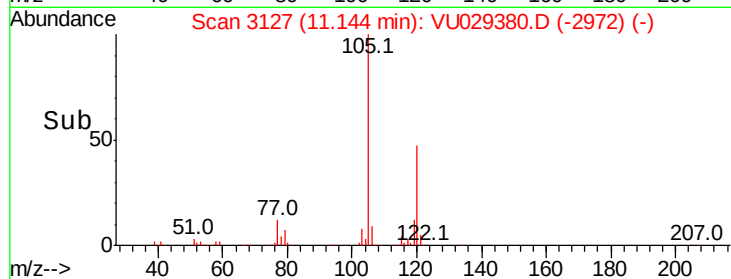
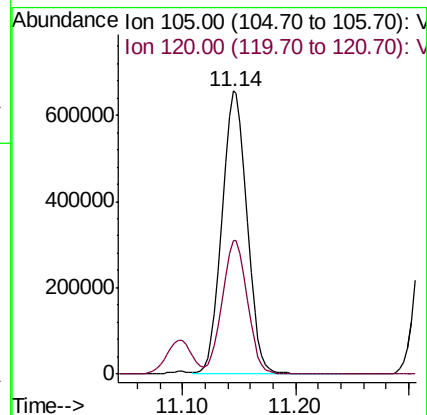
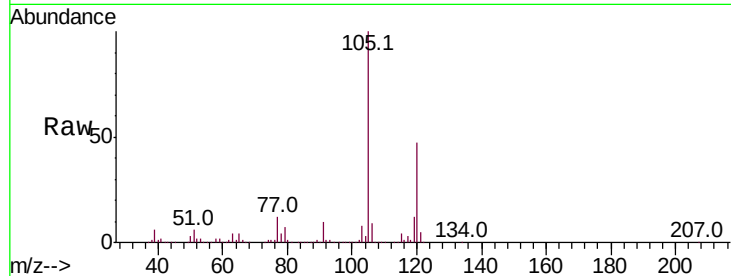


#78

1,2,4-Trimethylbenzene
Concen: 15.799 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU029380.D
Acq: 08 Feb 2019 15:56

Instrument :
MSVOA_U
ClientSampleId :

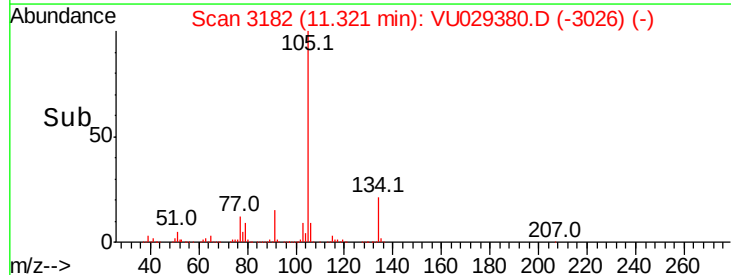
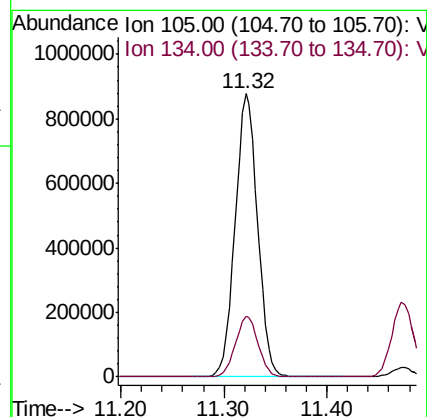
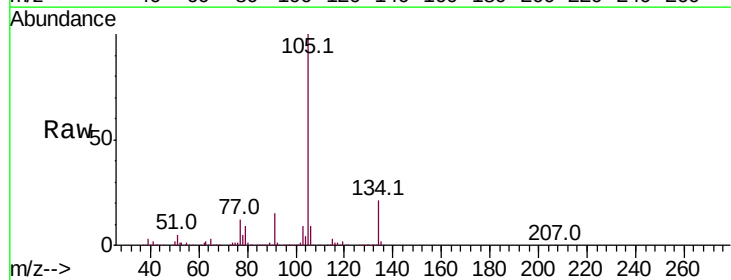
Tot Ion:105 Resp: 1012376
Ion Ratio Lower Upper
105 100
120 47.4 21.4 64.3

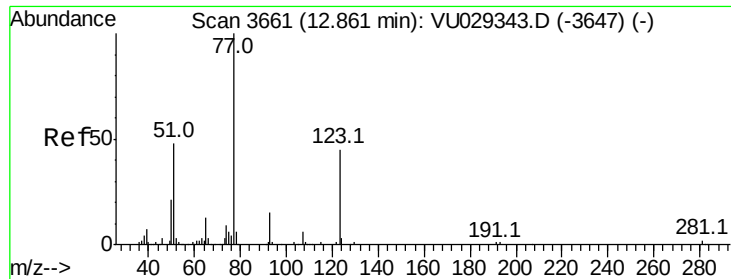


#79

sec-Butylbenzene
Concen: 16.243 ug/l
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VU029380.D
Acq: 08 Feb 2019 15:56

Tgt Ion:105 Resp: 1329561
Ion Ratio Lower Upper
105 100
134 21.6 15.0 22.6





#80

Nitrobenzene

Concen: 0.073 ug/l

RT: 12.84 min Scan# 3655

Delta R.T. -0.02 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

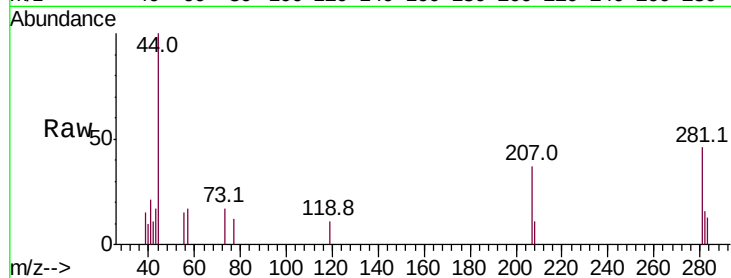
Tot Ion: 77 Resp: 44

Ion Ratio Lower Upper

77 100

123 0.0 17.5 61.9#

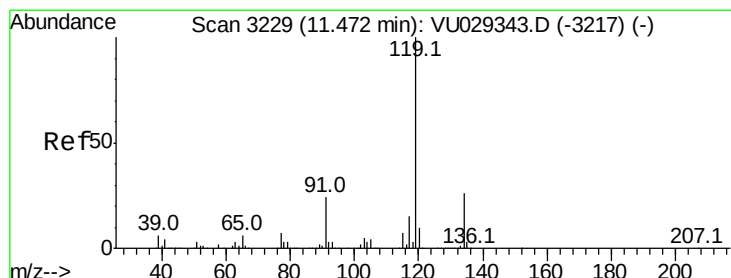
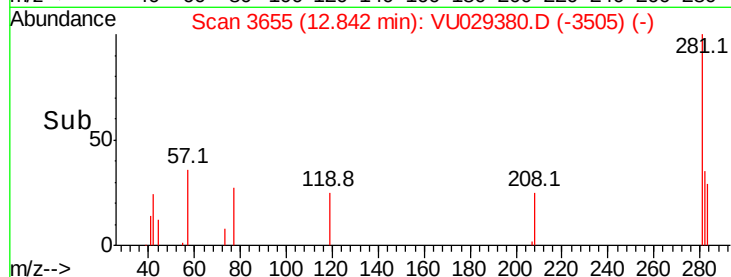
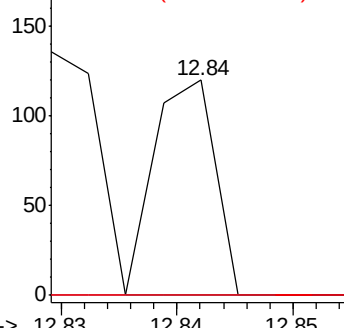
65 0.0 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU029343.D (-3647) (-)

Ion 123.00 (122.70 to 123.70): VU029343.D (-3647) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-3647) (-)



#81

p-Isopropyltoluene

Concen: 18.000 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

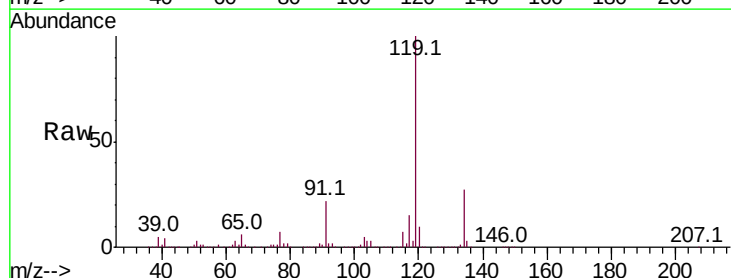
Tgt Ion: 119 Resp: 1248943

Ion Ratio Lower Upper

119 100

134 27.6 19.8 29.6

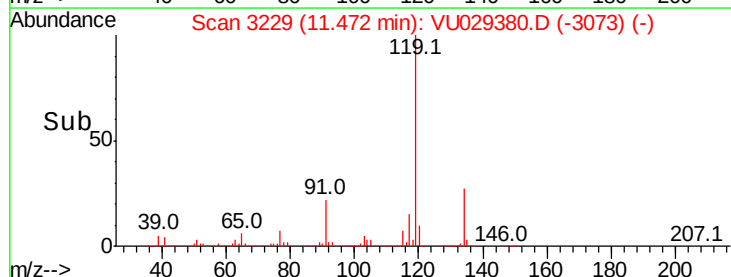
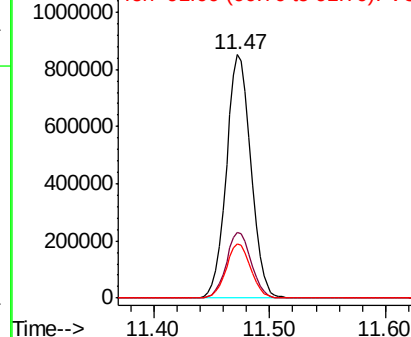
91 22.5 21.5 32.3

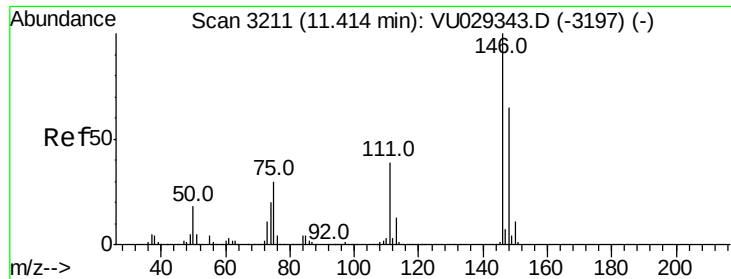


Abundance Ion 119.00 (118.70 to 119.70): VU029343.D (-3217) (-)

Ion 134.00 (133.70 to 134.70): VU029343.D (-3217) (-)

Ion 91.00 (90.70 to 91.70): VU029343.D (-3217) (-)

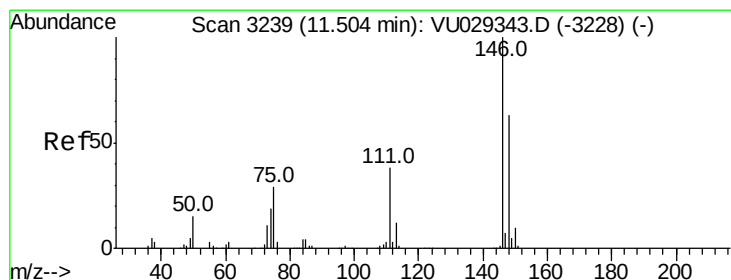
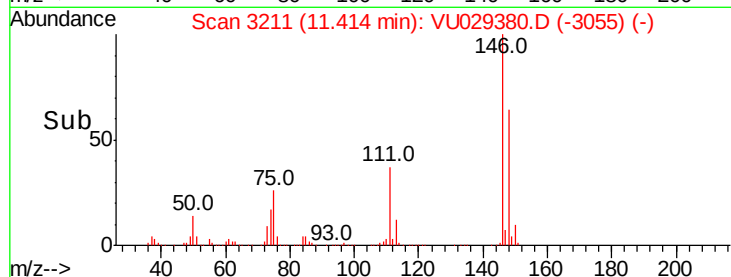
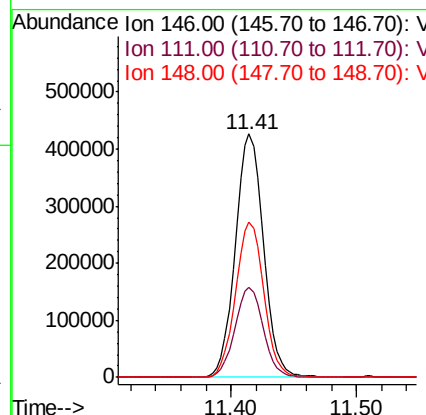
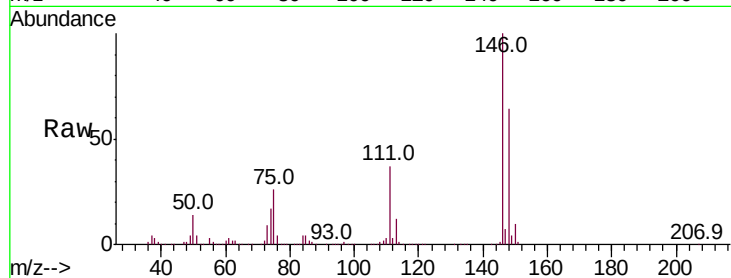




#82
 1,3-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

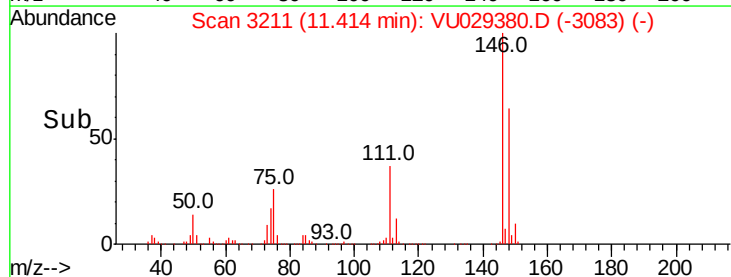
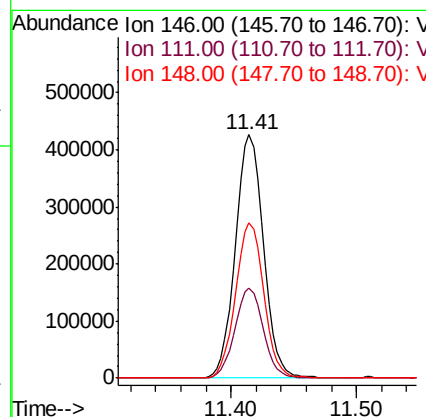
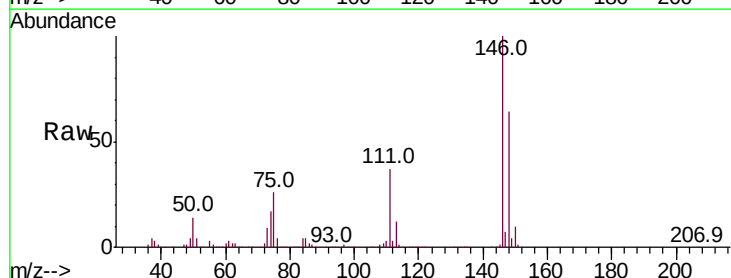
Instrument :
 MSVOA_U
 ClientSampleId :

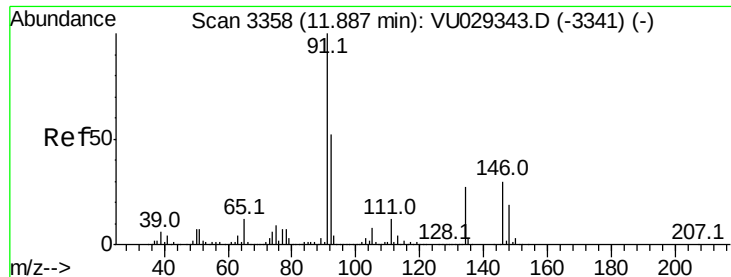
Tot Ion:146 Resp: 666594
 Ion Ratio Lower Upper
 146 100
 111 37.2 34.1 51.1
 148 64.1 52.3 78.5



#83
 1,4-Dichlorobenzene
 Concen: 19.172 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.09 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Tgt Ion:146 Resp: 666594
 Ion Ratio Lower Upper
 146 100
 111 37.2 32.9 49.3
 148 64.1 51.8 77.6





#84

n-Butylbenzene

Concen: 17.905 ug/l

RT: 11.89 min Scan# 3358

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampled :

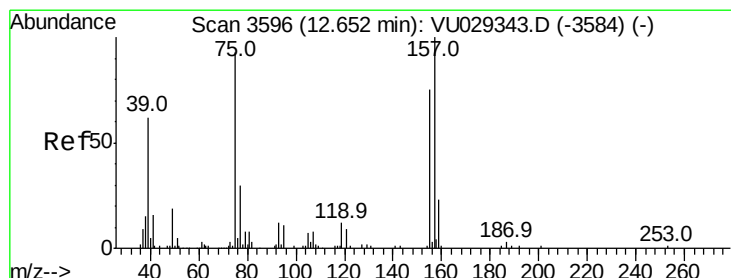
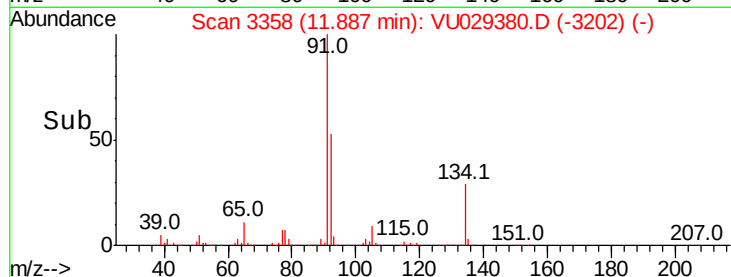
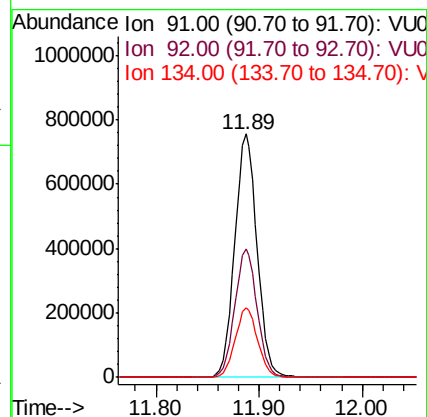
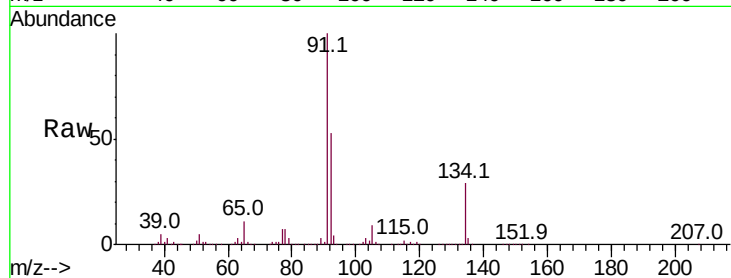
Tot Ion: 91 Resp: 1140126

Ion Ratio Lower Upper

91 100

92 52.9 41.0 61.6

134 28.7 19.1 28.7#



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.166 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. -0.18 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

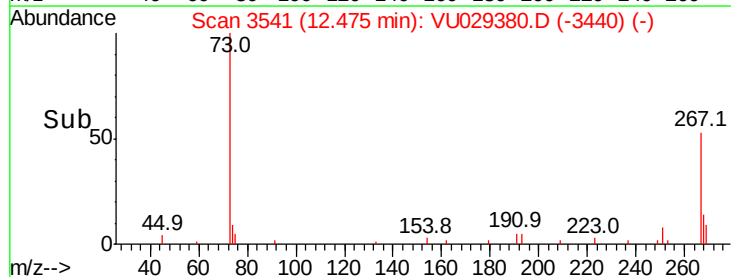
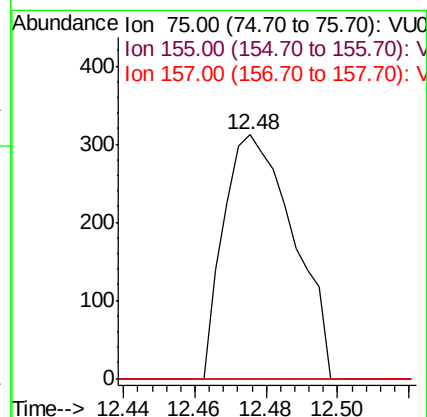
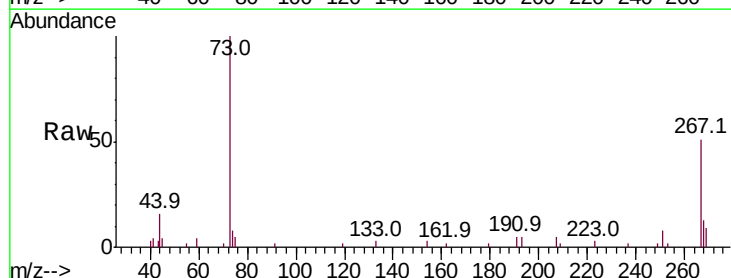
Tgt Ion: 75 Resp: 420

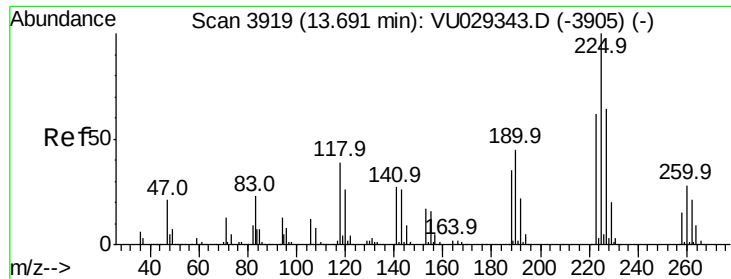
Ion Ratio Lower Upper

75 100

155 0.0 53.8 80.8#

157 0.0 69.2 103.8#





#88

Hexachlorobutadiene

Concen: 38.310 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

Instrument :

MSVOA_U

ClientSampled :

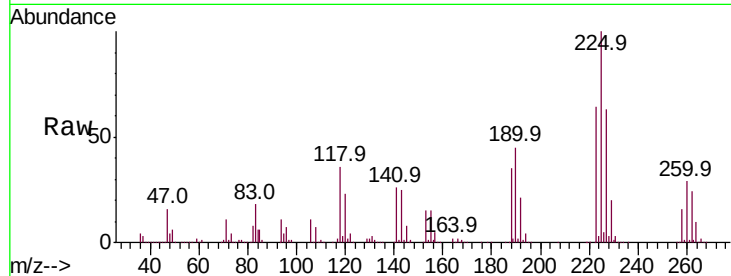
Tot Ion:225 Resp: 514404

Ion Ratio Lower Upper

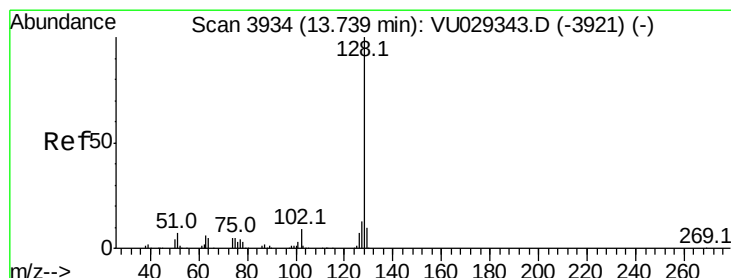
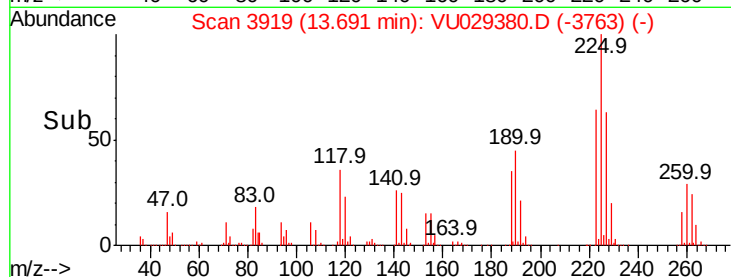
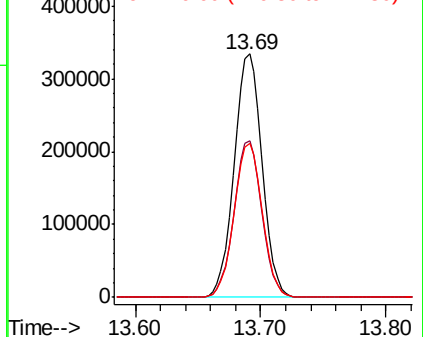
225 100

223 64.0 49.5 74.3

227 64.0 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: 22.028 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029380.D

Acq: 08 Feb 2019 15:56

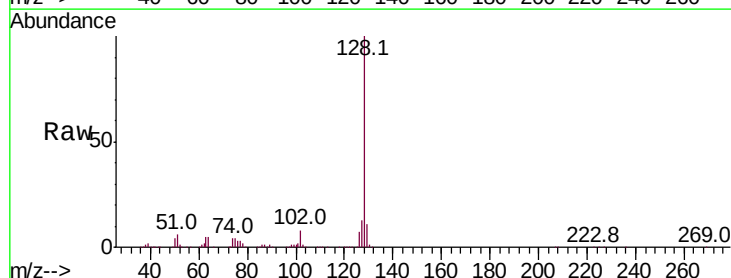
Tgt Ion:128 Resp: 866154

Ion Ratio Lower Upper

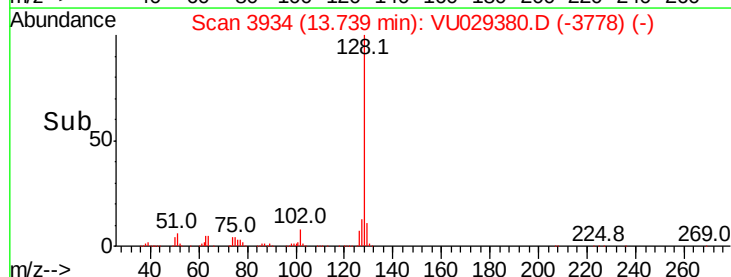
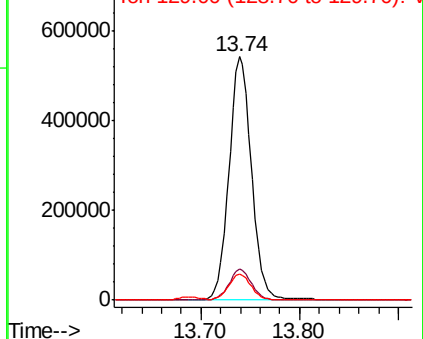
128 100

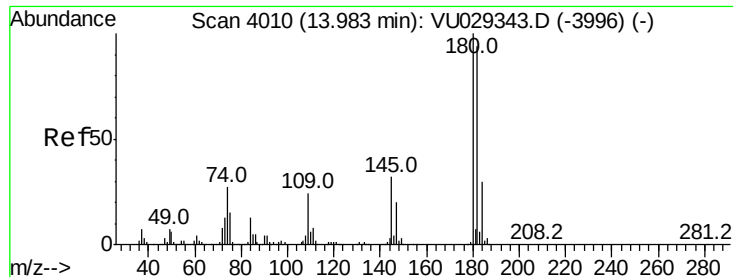
127 12.7 10.7 16.1

129 10.5 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

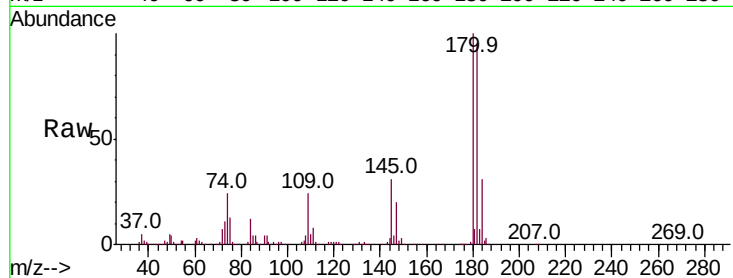




#90
 1,2,3-Trichlorobenzene
 Concen: 56.960 ug/l
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU029380.D
 Acq: 08 Feb 2019 15:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	30.5	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

