

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029169.D
 Acq On : 14 Jan 2019 17:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:49:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	140934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	225304	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	211237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	107929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	84370	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	4.88	113	73790	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	7.56	98	284968	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.30	95	102958	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	63526	45.452	ug/l	99
3) Chloromethane	1.33	50	91979	41.107	ug/l	100
4) Vinyl Chloride	1.40	62	95836	46.530	ug/l	99
5) Bromomethane	1.61	94	51905	48.953	ug/l	99
6) Chloroethane	1.69	64	58761	47.897	ug/l	100
7) Trichlorofluoromethane	1.88	101	111437	49.652	ug/l	100
8) Diethyl Ether	2.10	74	53590	49.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	75314	50.153	ug/l	98
10) Methyl Iodide	2.41	142	69842	49.463	ug/l	99
11) Tert butyl alcohol	2.83	59	112801	254.718	ug/l	99
12) 1,1-Dichloroethene	2.28	96	72333	49.486	ug/l	96
13) Acrolein	2.19	56	85803	258.031	ug/l	99
14) Allyl chloride	2.59	41	114658	42.752	ug/l	90
15) Acrylonitrile	2.93	53	270907	249.350	ug/l	100
16) Acetone	2.32	43	258564	235.587	ug/l	99
17) Carbon Disulfide	2.47	76	209277	43.161	ug/l	100
18) Methyl Acetate	2.61	43	133574	52.342	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	255866	49.790	ug/l	98
20) Methylene Chloride	2.70	84	87245	46.820	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	79290	46.690	ug/l	99
22) Diisopropyl ether	3.57	45	259395	48.938	ug/l	100
23) Vinyl Acetate	3.52	43	1057763	244.106	ug/l	99
24) 1,1-Dichloroethane	3.44	63	150805	49.285	ug/l	99
25) 2-Butanone	4.26	43	374546	252.666	ug/l	99
26) 2,2-Dichloropropane	4.22	77	123525	49.961	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	92581	49.845	ug/l	98
28) Bromochloromethane	4.54	49	60397	46.097	ug/l	96
29) Tetrahydrofuran	4.64	42	223406	248.482	ug/l	97
30) Chloroform	4.67	83	146456	50.252	ug/l	99
31) Cyclohexane	4.99	56	135756	46.931	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	119294	49.538	ug/l	100
36) 1,1-Dichloropropene	5.13	75	111034	49.304	ug/l	99
37) Ethyl Acetate	4.38	43	125481	50.762	ug/l	99
38) Carbon Tetrachloride	5.13	117	97406	51.859	ug/l	99

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Quant Time: Jan 14 22:49:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	139612	50.428	ug/l	99
40) Benzene	5.39	78	351244	50.002	ug/l	100
41) Methacrylonitrile	4.54	41	69121	52.238	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109192	51.729	ug/l	99
43) Isopropyl Acetate	5.55	43	196280	51.762	ug/l	98
44) Trichloroethene	6.18	130	87905	50.505	ug/l	97
45) 1,2-Dichloropropane	6.43	63	93481	50.392	ug/l	99
46) Dibromomethane	6.56	93	60161	50.731	ug/l	98
47) Bromodichloromethane	6.76	83	113695	52.073	ug/l	99
48) Methyl methacrylate	6.62	41	97918	53.032	ug/l	98
49) 1,4-Dioxane	6.61	88	48326	1104.421	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	662669	256.784	ug/l	98
52) Toluene	7.63	92	219733	51.383	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	132513	50.523	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	142262	50.196	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	88541	51.682	ug/l	96
56) Ethyl methacrylate	8.02	69	136867	51.856	ug/l	100
57) 1,3-Dichloropropane	8.24	76	149129	50.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	286436	246.770	ug/l	99
59) 2-Hexanone	8.36	43	523016	258.188	ug/l	99
60) Dibromochloromethane	8.48	129	88878	52.365	ug/l	100
61) 1,2-Dibromoethane	8.58	107	94758	50.999	ug/l	100
64) Tetrachloroethene	8.22	164	78254	51.427	ug/l	98
65) Chlorobenzene	9.12	112	235031	49.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	80462	52.364	ug/l	98
67) Ethyl Benzene	9.25	91	407688	51.572	ug/l	99
68) m/p-Xylenes	9.37	106	317141	103.250	ug/l	99
69) o-Xylene	9.78	106	152867	51.652	ug/l	100
70) Styrene	9.79	104	254478	52.451	ug/l	100
71) Bromoform	9.95	173	70973	51.873	ug/l #	98
73) Isopropylbenzene	10.16	105	405207	50.723	ug/l	100
74) N-amyl acetate	10.01	43	169153	49.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	155245	48.488	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	174241	65.890	ug/l	84
77) Bromobenzene	10.45	156	103018	49.484	ug/l	98
78) n-propylbenzene	10.58	91	485271	51.545	ug/l	100
79) 2-Chlorotoluene	10.66	91	285205	49.940	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	337204	50.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	174241	169.933	ug/l #	100
82) 4-Chlorotoluene	10.77	91	319569	48.800	ug/l	100
83) tert-Butylbenzene	11.10	119	332624	50.587	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	345541	51.880	ug/l	100
85) sec-Butylbenzene	11.32	105	418514	52.629	ug/l	100
86) p-Isopropyltoluene	11.47	119	357137	52.705	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	187172	49.017	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	186578	47.335	ug/l	99
89) n-Butylbenzene	11.89	91	333950	55.217	ug/l	99
90) Hexachloroethane	12.14	117	54965	48.217	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	185489	48.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31667	51.424	ug/l	97

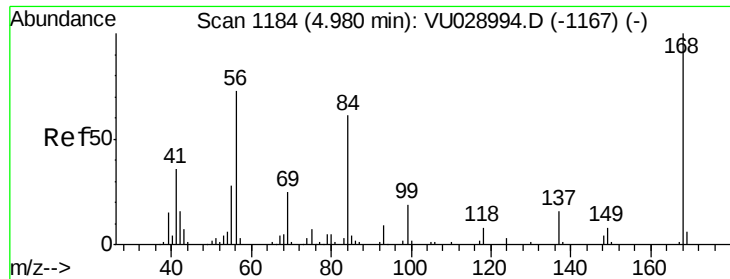
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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	126632	51.577	ug/l	99
94) Hexachlorobutadiene	13.69	225	60294	53.691	ug/l	99
95) Naphthalene	13.74	128	416965	49.924	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	127394	50.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

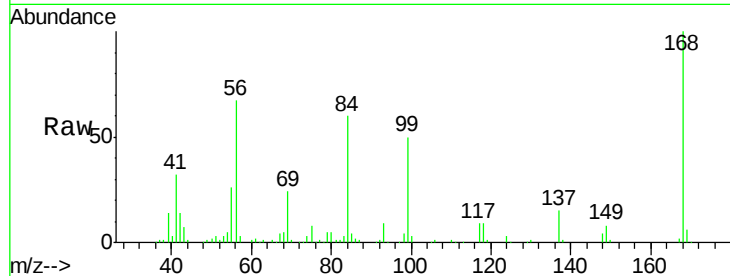
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 140934

Ion Ratio Lower Upper

168 100

99 49.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

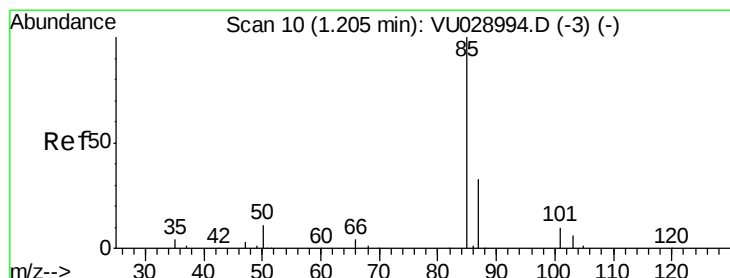
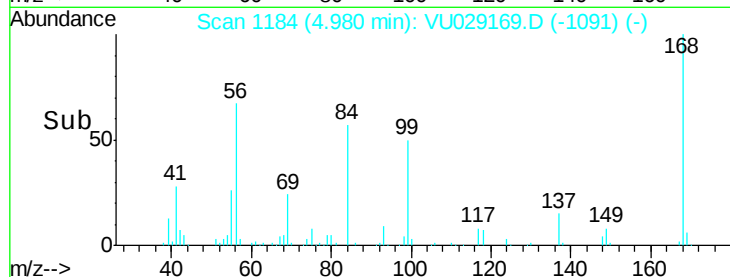
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.452 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029169.D

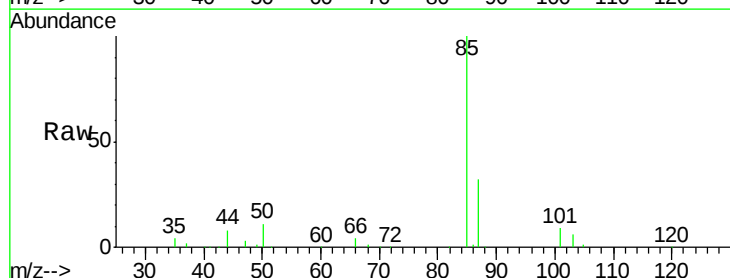
Acq: 14 Jan 2019 17:10

Tgt Ion: 85 Resp: 63526

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

60000

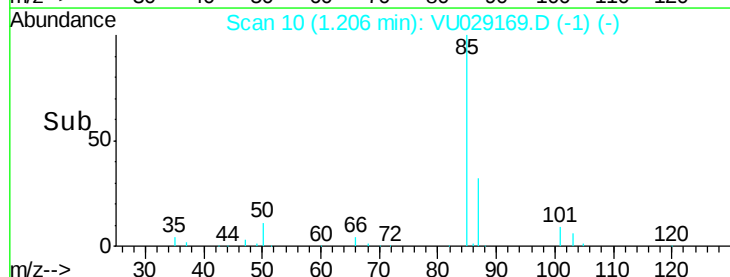
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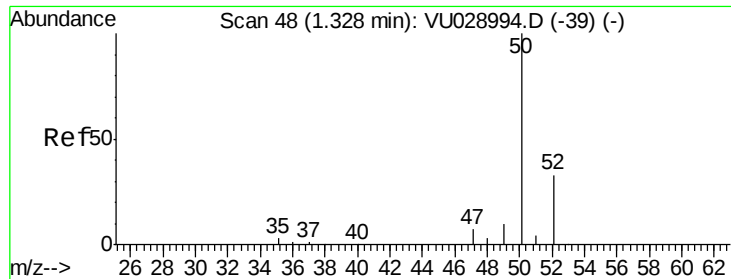
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.107 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

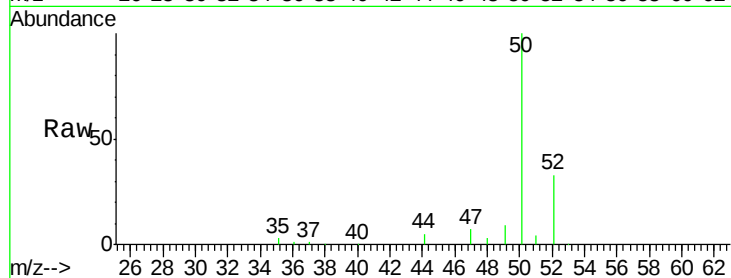
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 50 Resp: 91979

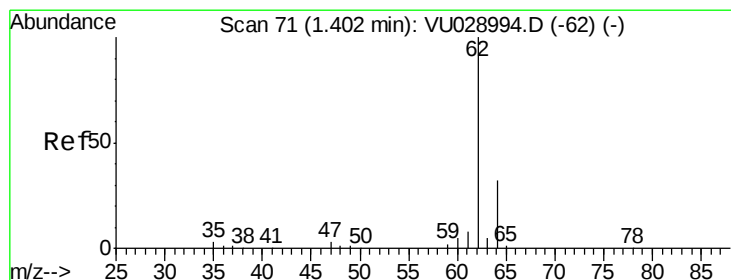
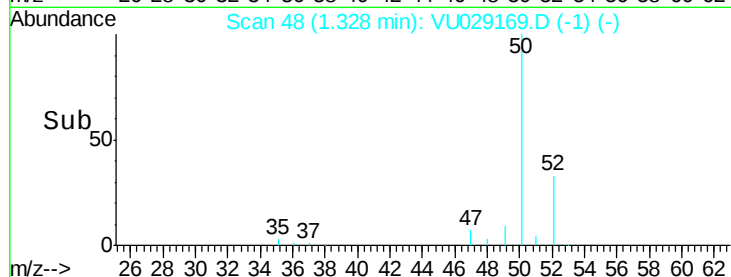
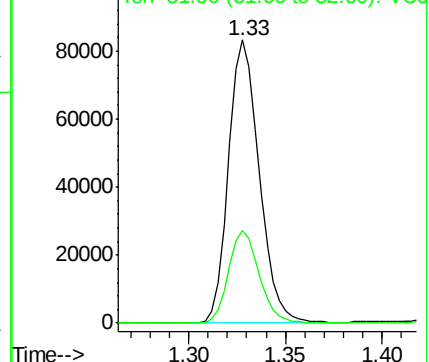
Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.530 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029169.D

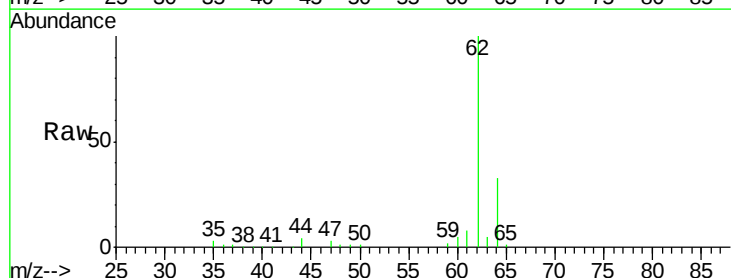
Acq: 14 Jan 2019 17:10

Tgt Ion: 62 Resp: 95836

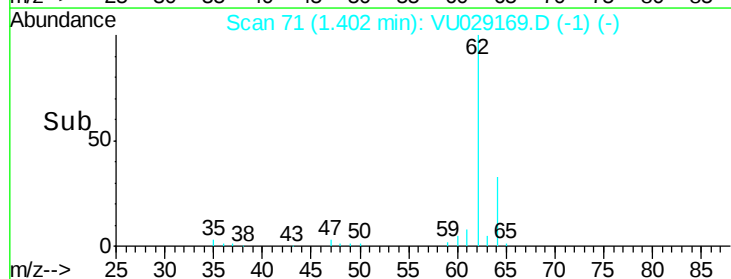
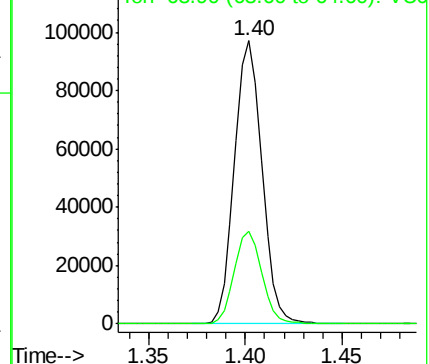
Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 63.90 (63.60 to 64.60): VU0

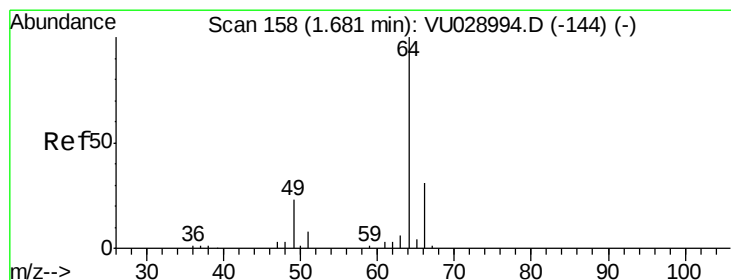
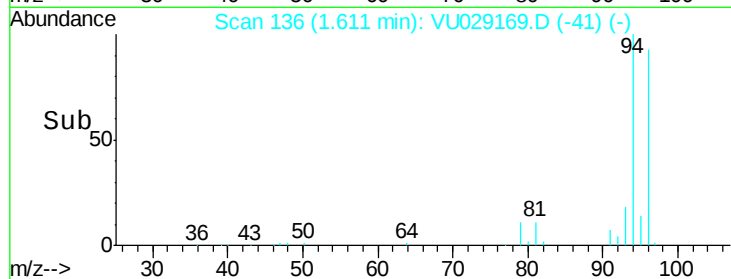
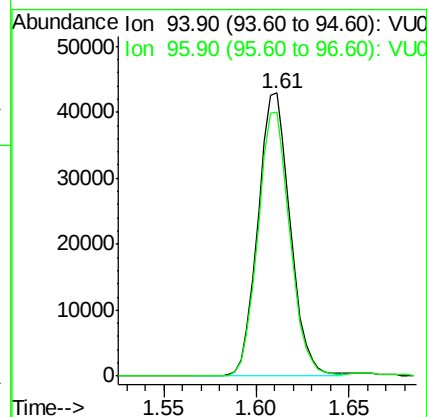
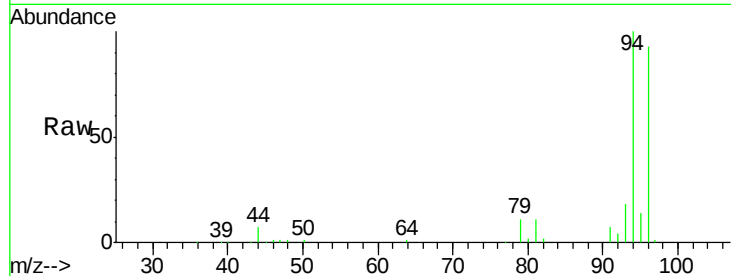




#5
Bromomethane
Concen: 48.953 ug/l
RT: 1.61 min Scan# 136
Delta R.T. 0.01 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

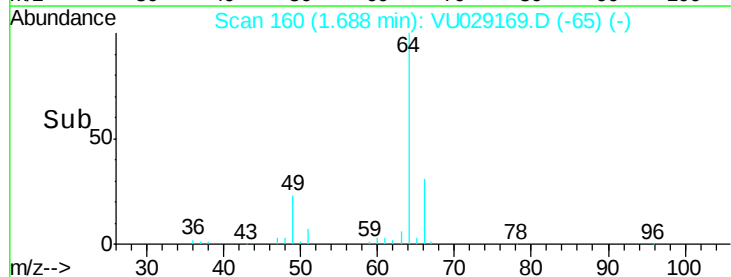
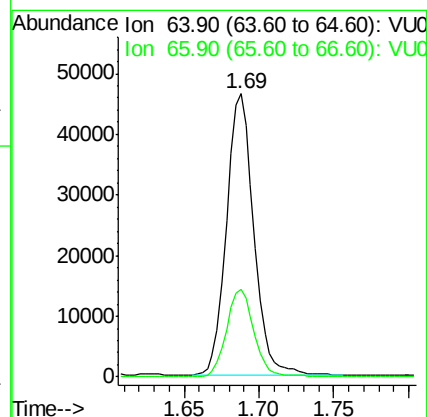
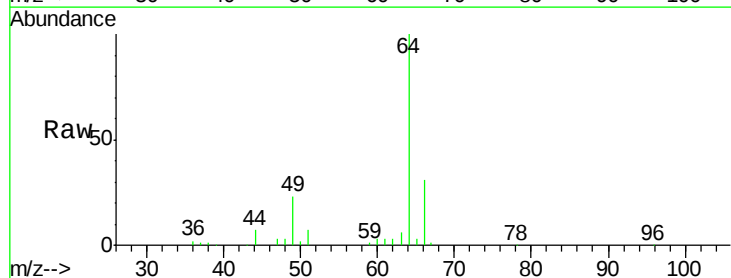
Instrument :
MSVOA_U
ClientSampleId :

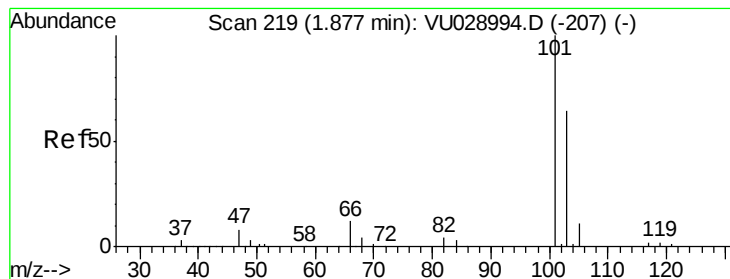
Tot Ion: 94 Resp: 51905
Ion Ratio Lower Upper
94 100
96 93.3 75.5 113.3



#6
Chloroethane
Concen: 47.897 ug/l
RT: 1.69 min Scan# 160
Delta R.T. 0.01 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 64 Resp: 58761
Ion Ratio Lower Upper
64 100
66 31.3 25.2 37.8



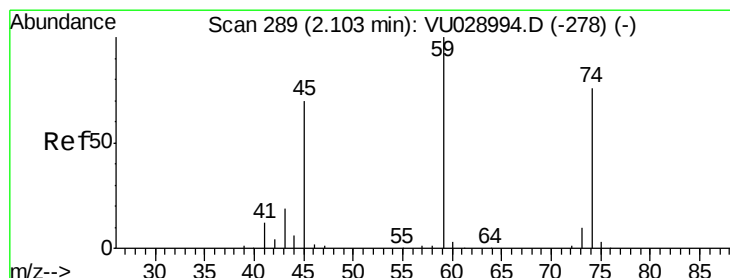
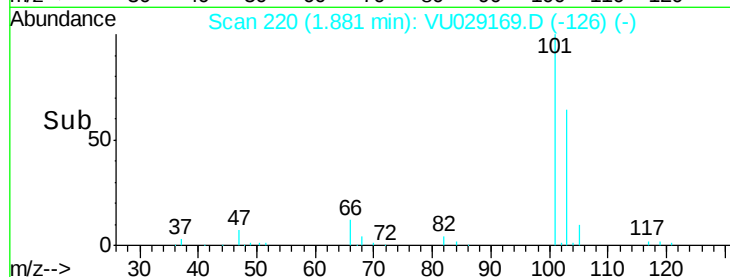
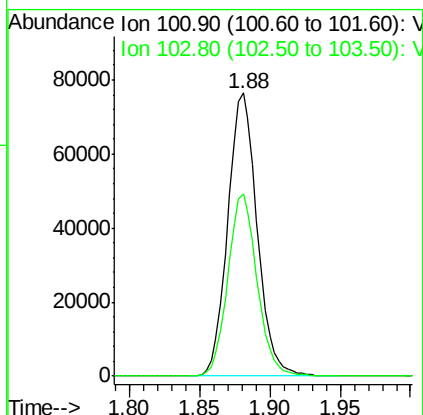
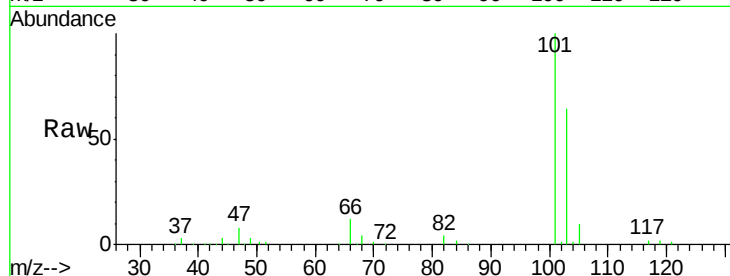


#7

Trichlorofluoromethane
 Concen: 49.652 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :

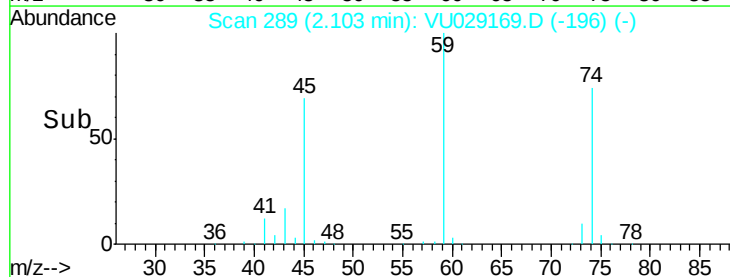
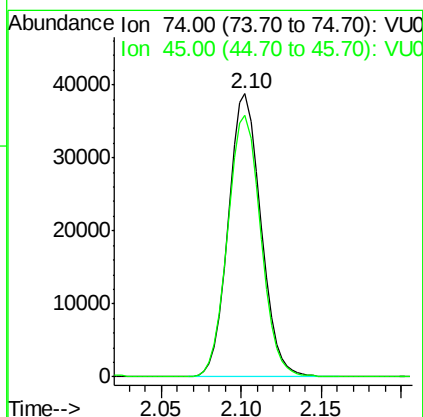
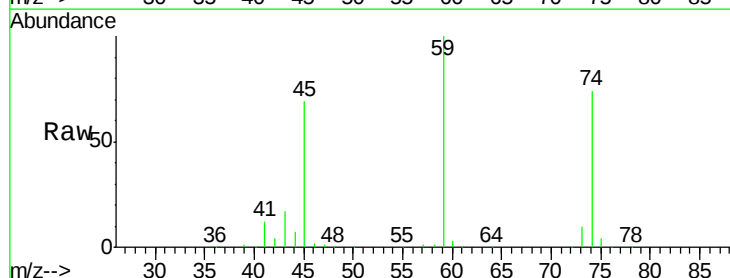
Tot Ion:101 Resp: 111437
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.5 77.3

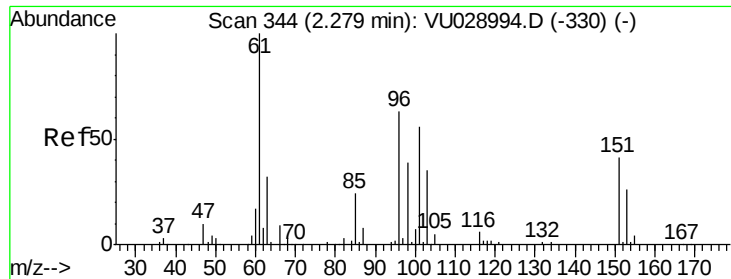


#8

Diethyl Ether
 Concen: 49.701 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 74 Resp: 53590
 Ion Ratio Lower Upper
 74 100
 45 94.1 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.153 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

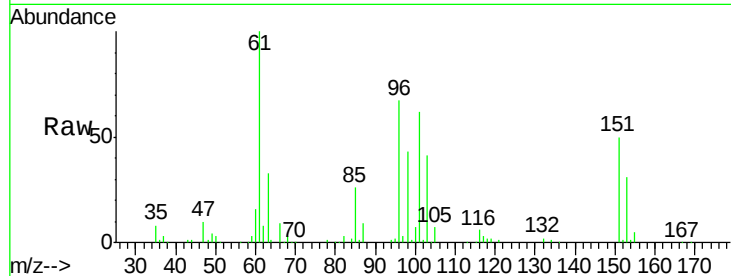
Tot Ion:101 Resp: 75314

Ion Ratio Lower Upper

101 100

85 42.6 35.1 52.7

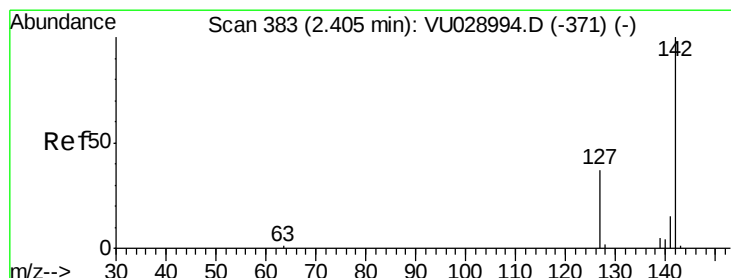
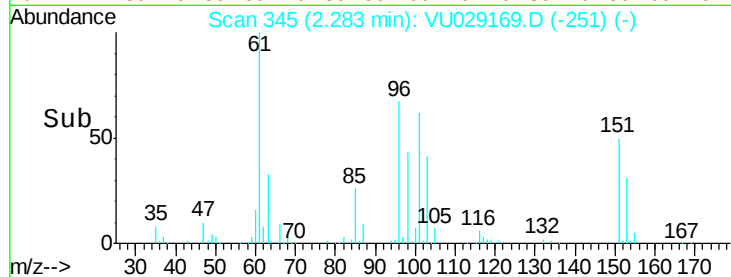
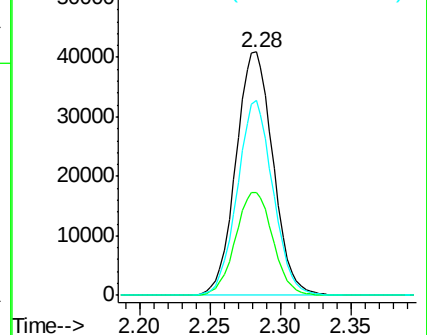
151 77.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.463 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

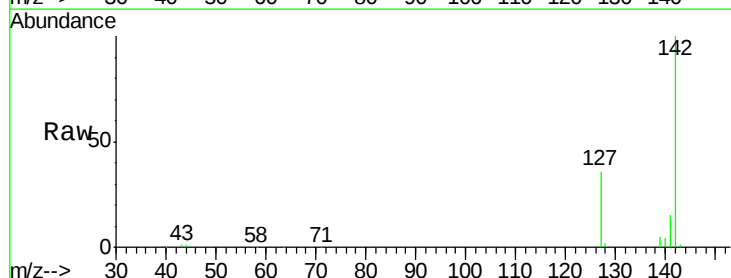
Tgt Ion:142 Resp: 69842

Ion Ratio Lower Upper

142 100

127 36.5 29.8 44.6

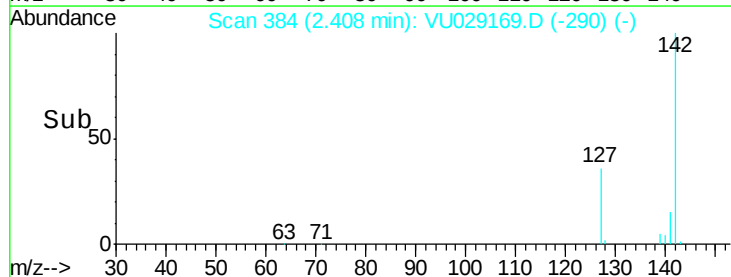
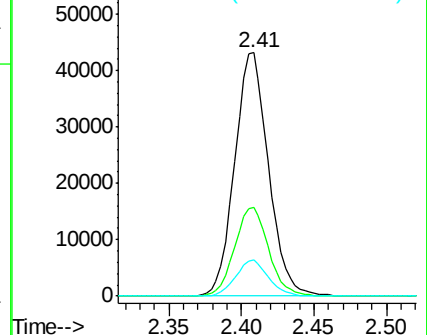
141 14.2 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



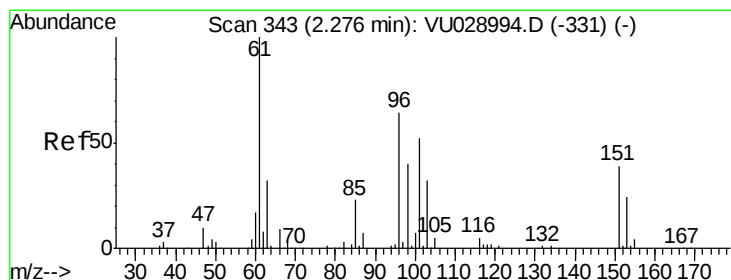
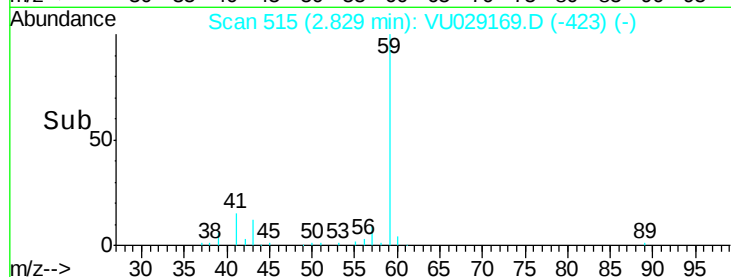
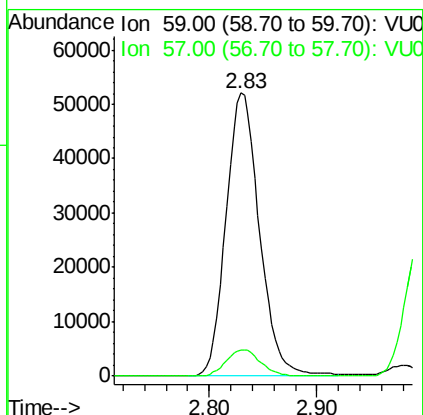
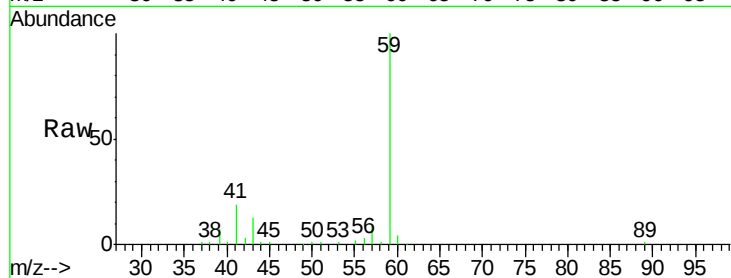


#11

Tert butyl alcohol
 Concen: 254.718 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampled :

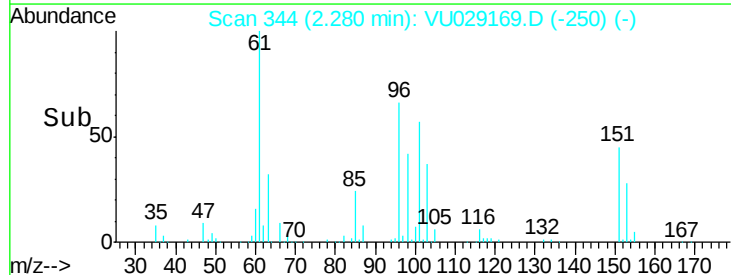
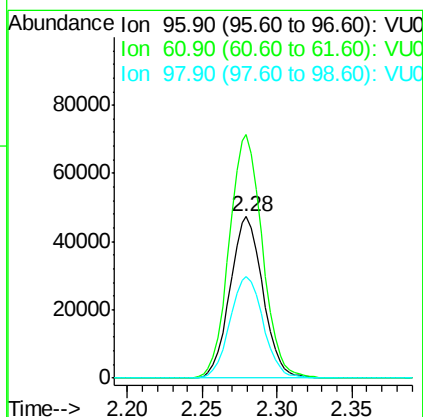
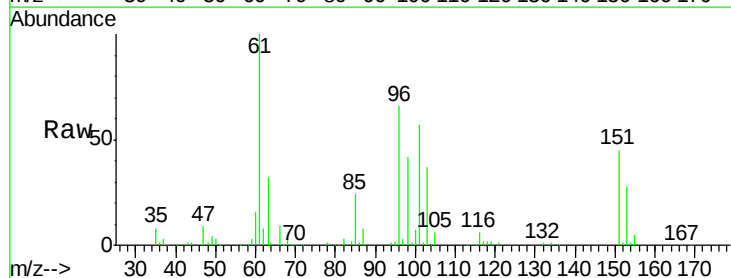
Tot Ion: 59 Resp: 112801
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.9 11.9

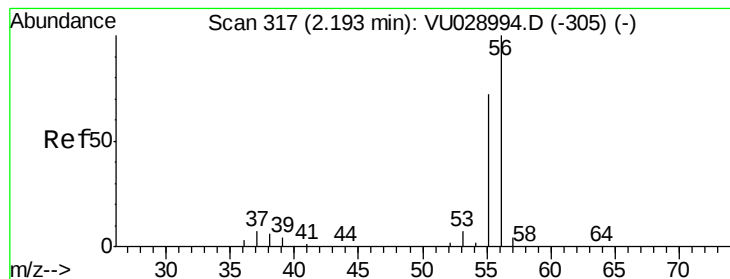


#12

1,1-Dichloroethene
 Concen: 49.486 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 96 Resp: 72333
 Ion Ratio Lower Upper
 96 100
 61 150.8 125.4 188.0
 98 62.9 49.7 74.5





#13

Acrolein

Concen: 258.031 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

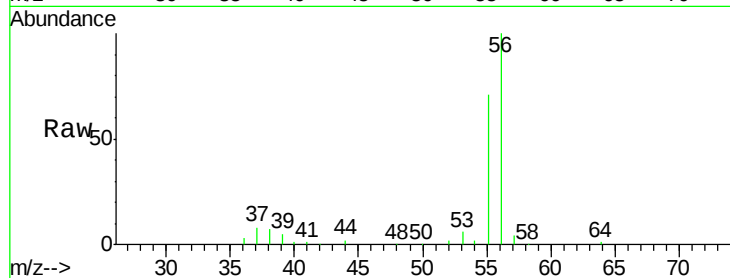
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 85803

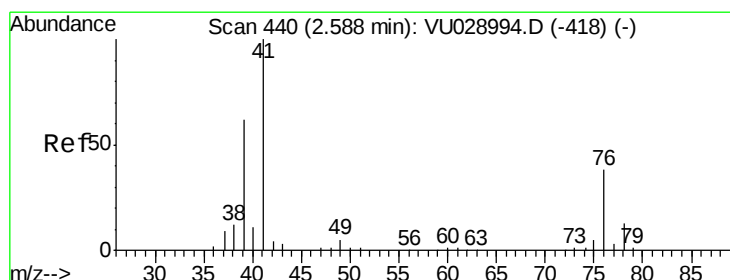
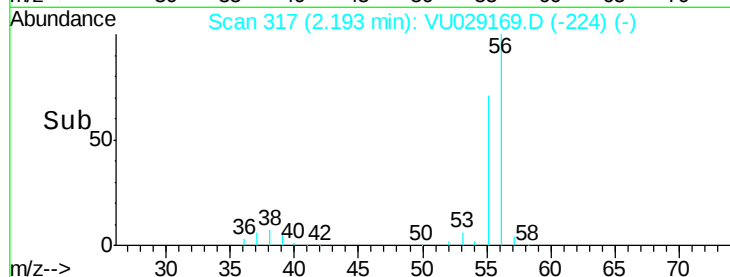
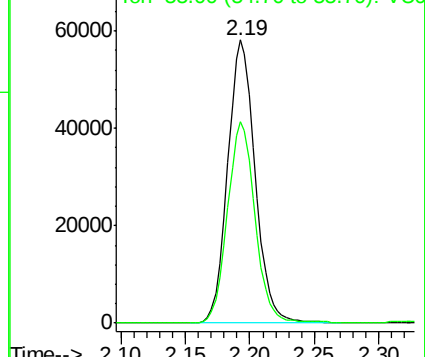
Ion Ratio Lower Upper

56 100

55 71.7 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.752 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

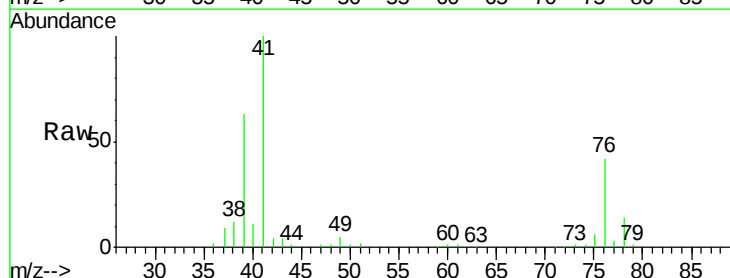
Tgt Ion: 41 Resp: 114658

Ion Ratio Lower Upper

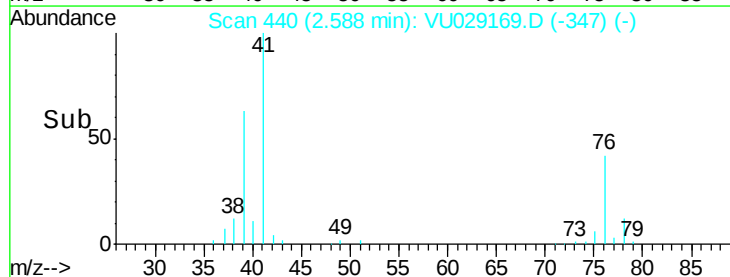
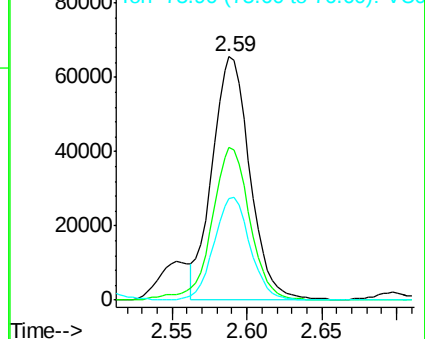
41 100

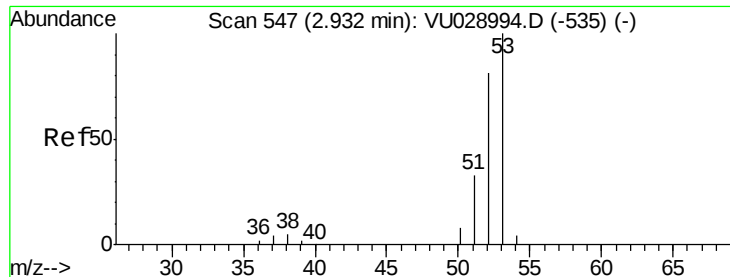
39 63.6 45.0 67.6

76 40.9 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 249.350 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

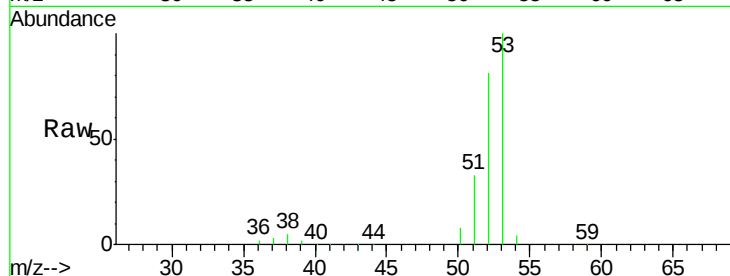
Tot Ion: 53 Resp: 270907

Ion Ratio Lower Upper

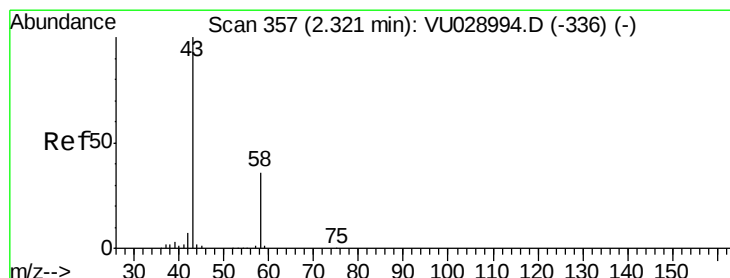
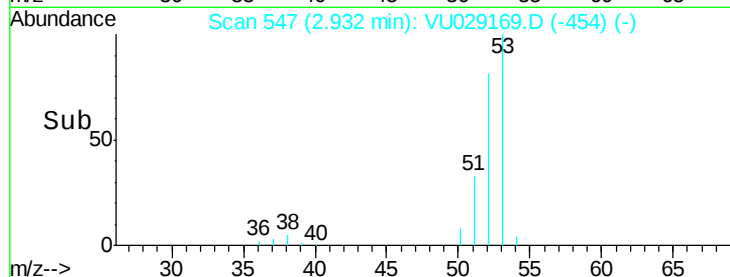
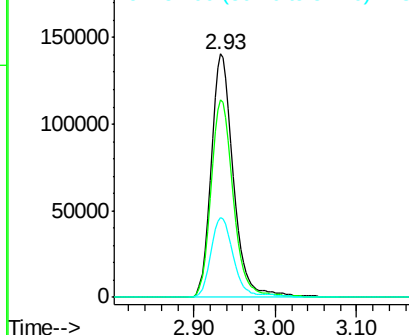
53 100

52 81.4 64.8 97.2

51 33.9 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 235.587 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029169.D

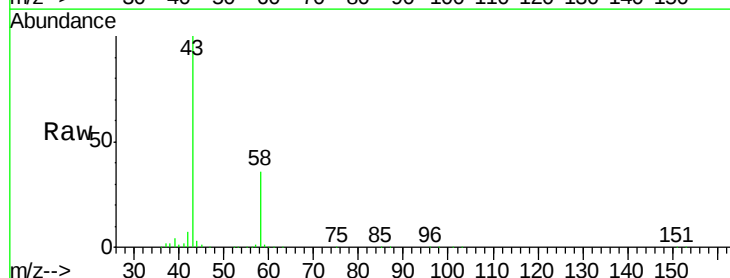
Acq: 14 Jan 2019 17:10

Tgt Ion: 43 Resp: 258564

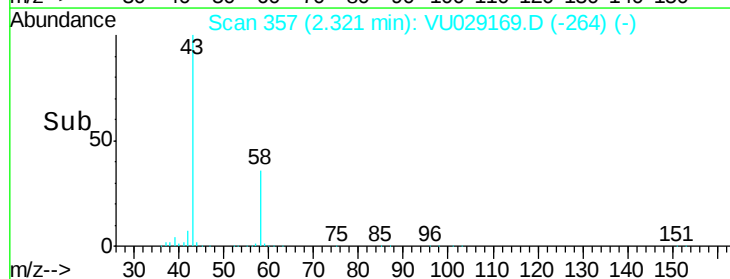
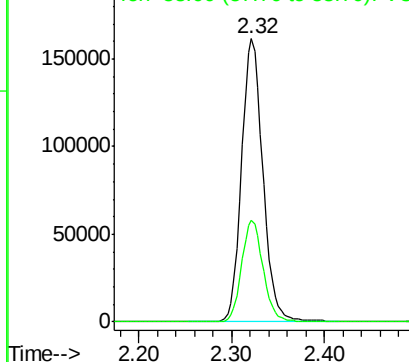
Ion Ratio Lower Upper

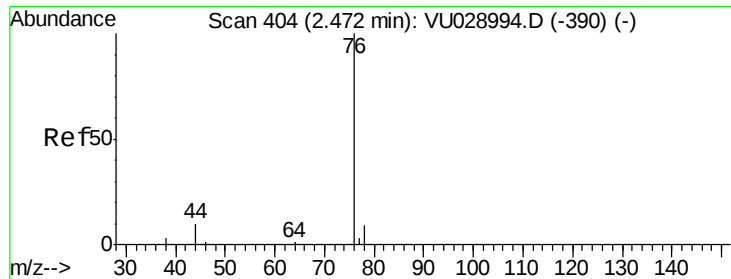
43 100

58 36.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

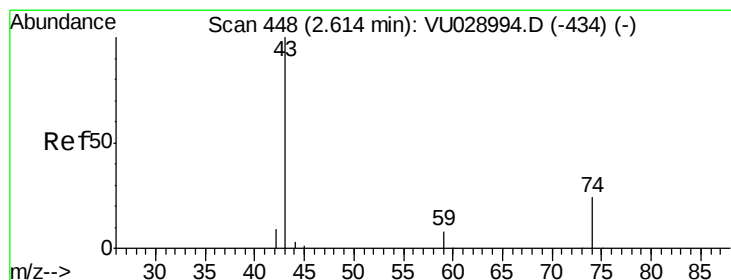
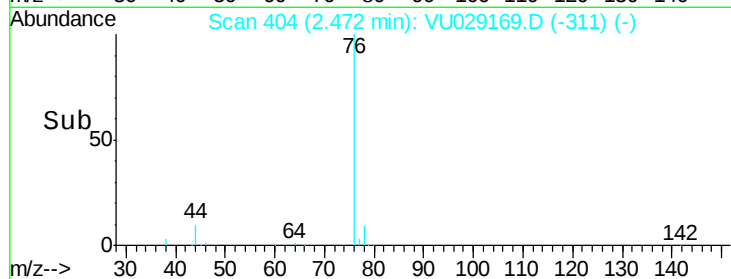
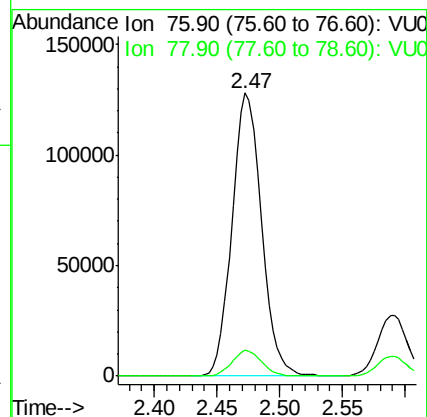
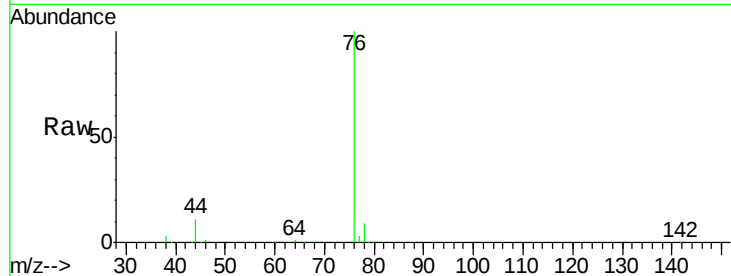




#17
Carbon Disulfide
Concen: 43.161 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

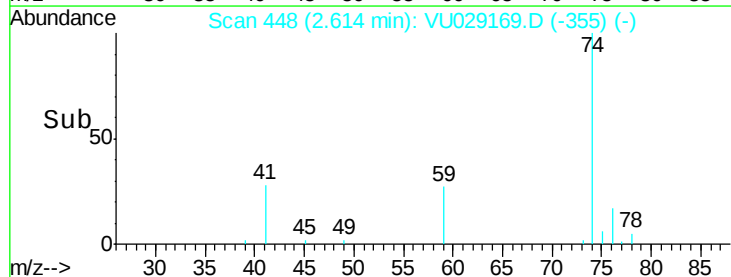
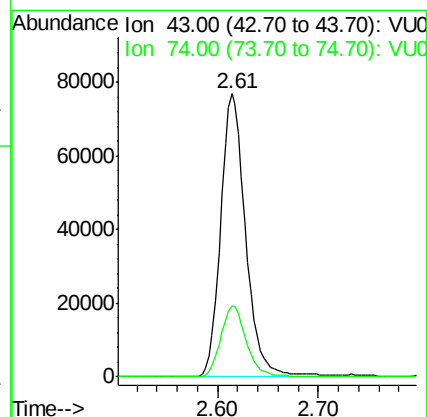
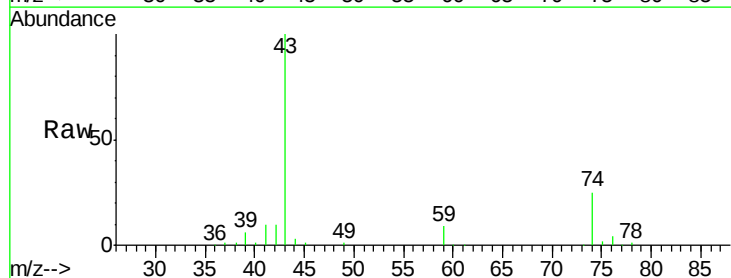
Instrument :
MSVOA_U
ClientSampled :

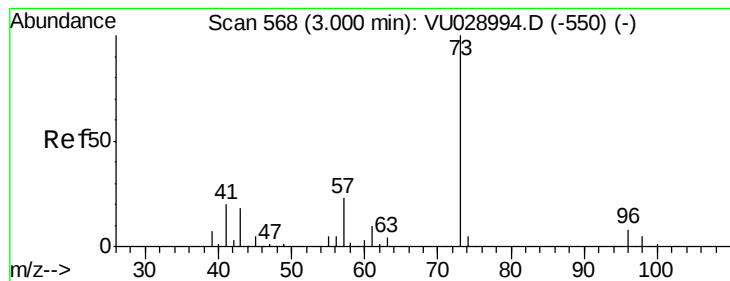
Tot Ion: 76 Resp: 209277
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 52.342 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 43 Resp: 133574
Ion Ratio Lower Upper
43 100
74 25.4 19.5 29.3



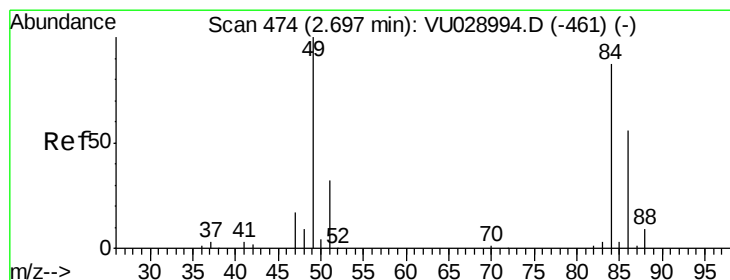
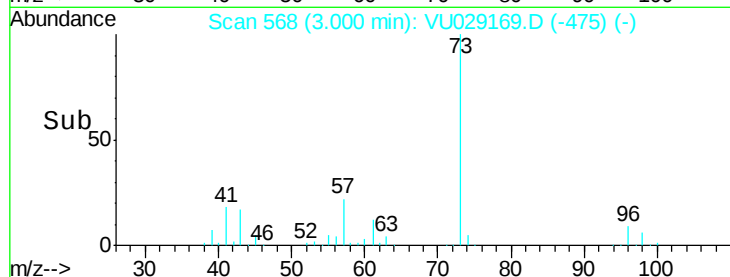
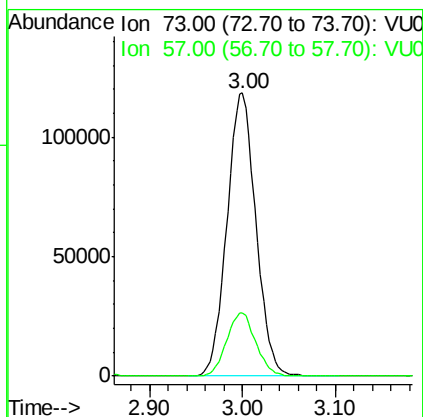
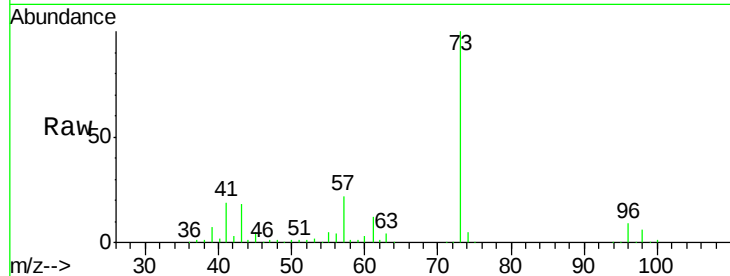


#19

Methyl tert-butyl Ether
 Concen: 49.790 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampled :

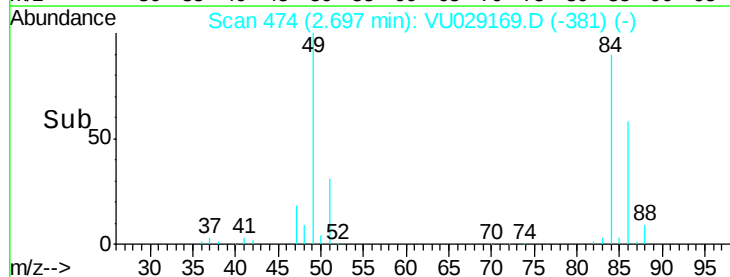
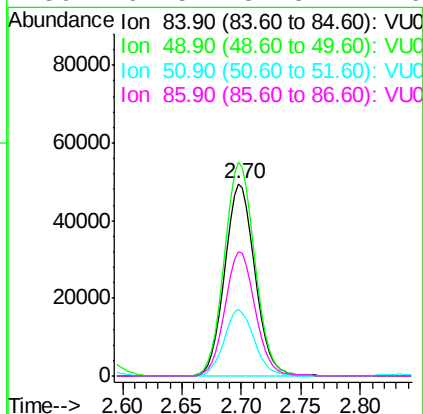
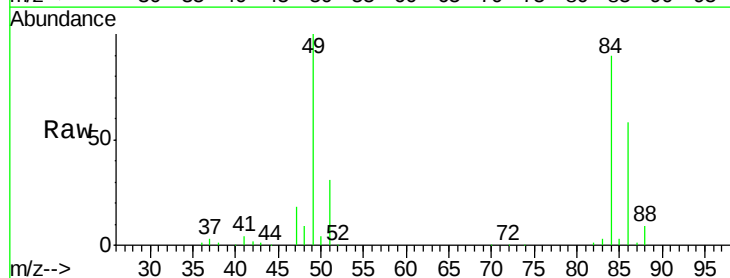
Tot Ion: 73 Resp: 255866
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.6 28.0

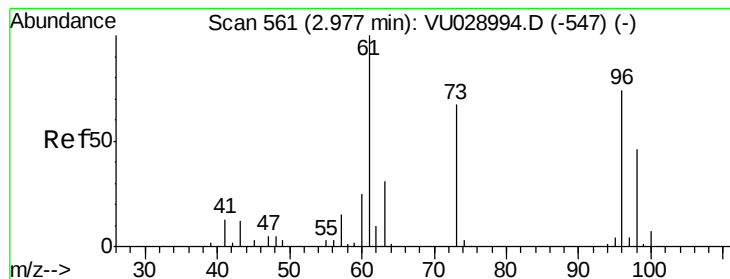


#20

Methylene Chloride
 Concen: 46.820 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 84 Resp: 87245
 Ion Ratio Lower Upper
 84 100
 49 111.0 91.9 137.9
 51 34.3 29.2 43.8
 86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.690 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

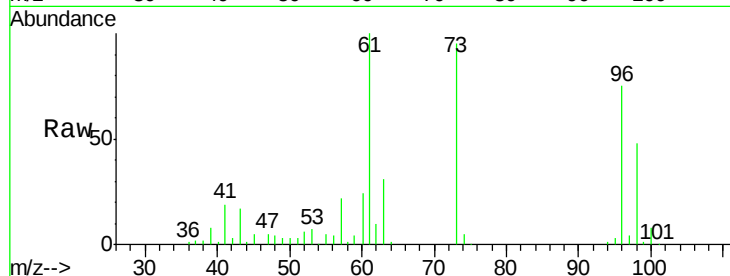
Tot Ion: 96 Resp: 79290

Ion Ratio Lower Upper

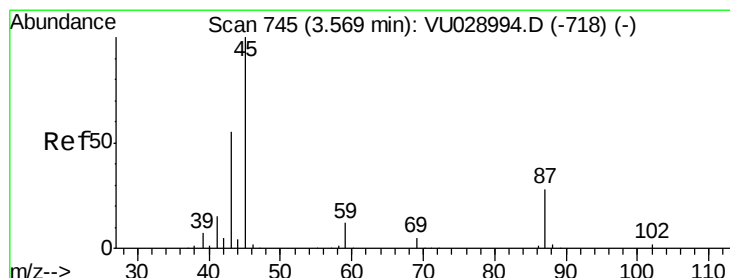
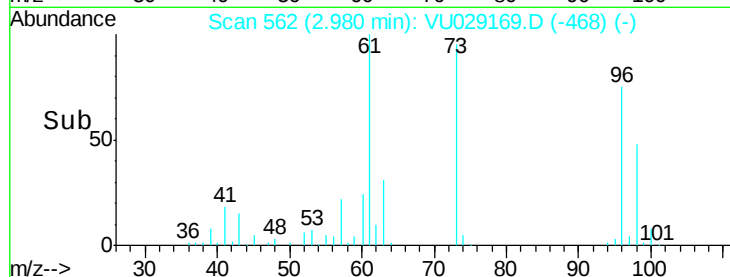
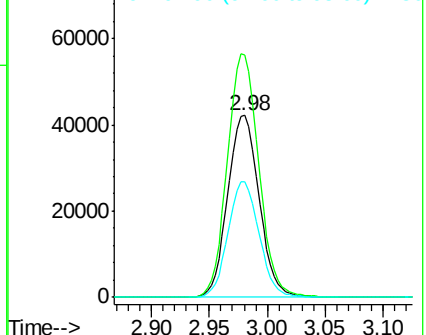
96 100

61 133.5 107.7 161.5

98 63.5 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.938 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion: 45 Resp: 259395

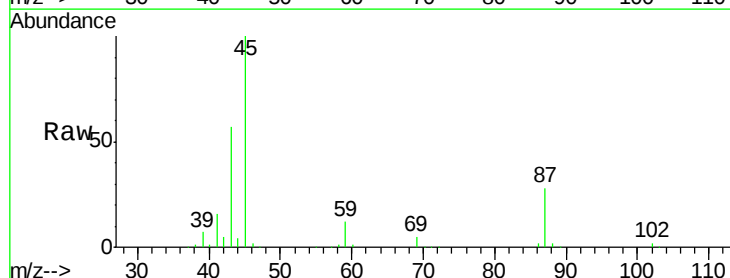
Ion Ratio Lower Upper

45 100

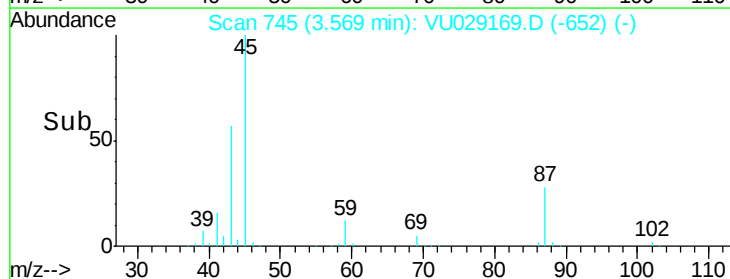
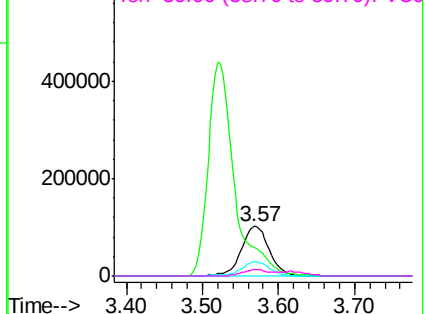
43 55.8 44.7 67.1

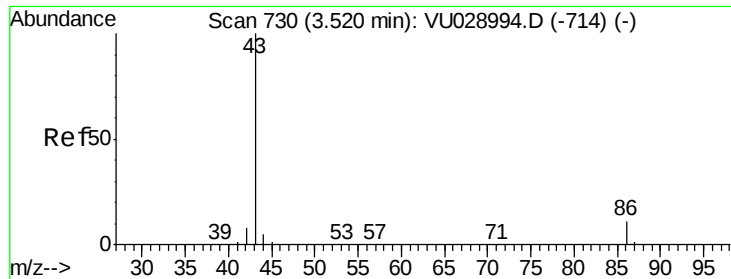
87 28.2 22.2 33.2

59 12.3 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 244.106 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

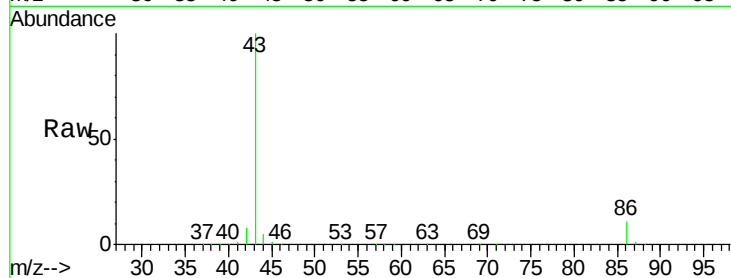
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1057763

Ion Ratio Lower Upper

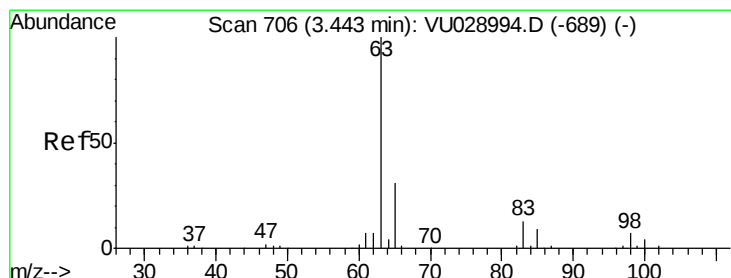
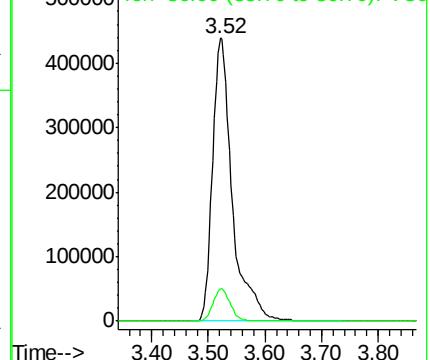
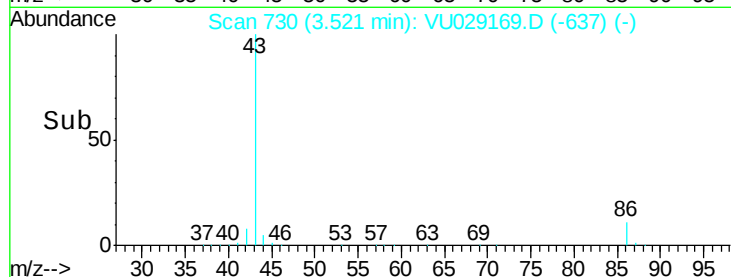
43 100

86 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU029169.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029169.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 49.285 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

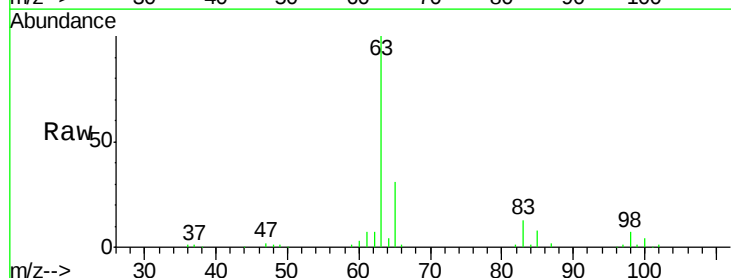
Tgt Ion: 63 Resp: 150805

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

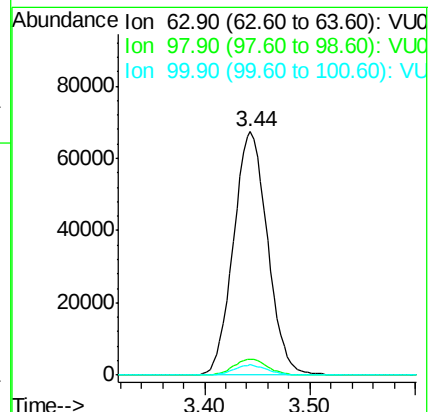
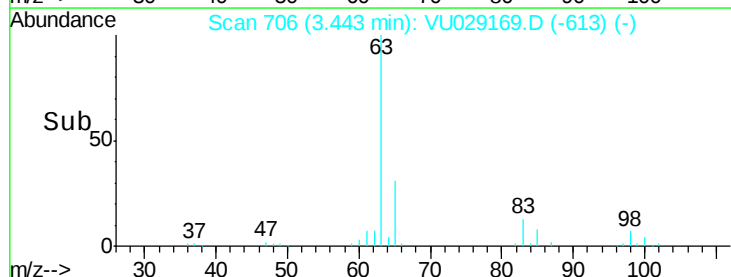
100 4.3 2.0 5.8

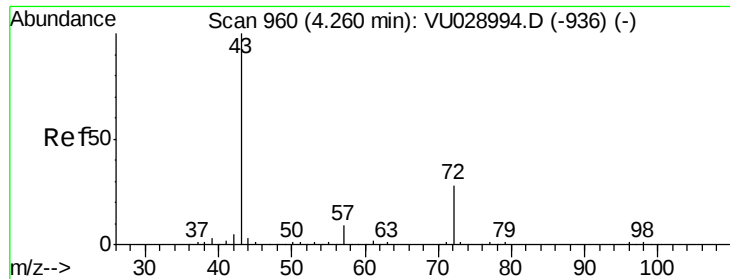


Abundance Ion 62.90 (62.60 to 63.60): VU029169.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029169.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029169.D (-613) (-)





#25

2-Butanone

Concen: 252.666 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

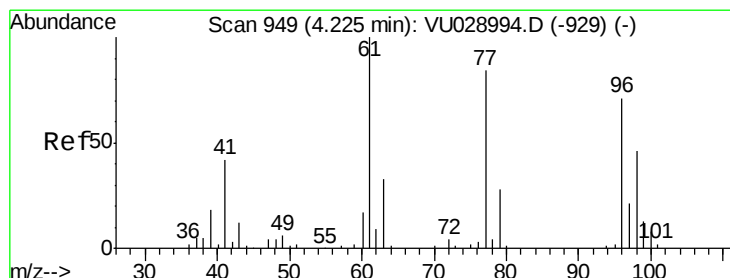
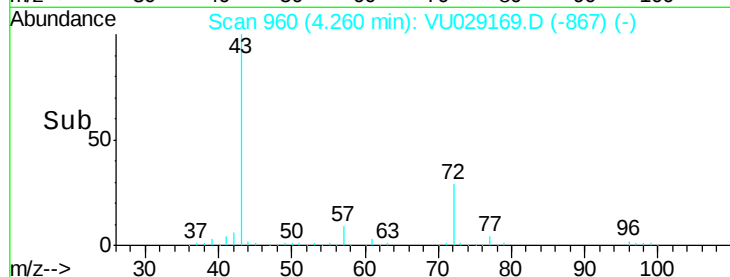
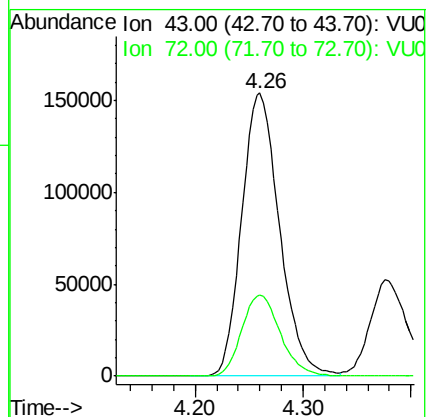
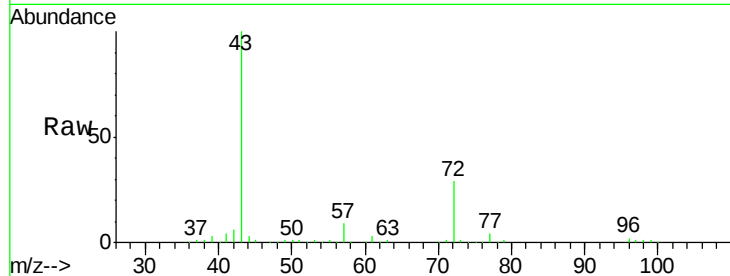
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 374546

Ion Ratio Lower Upper

43 100

72 28.7 22.6 33.8



#26

2,2-Dichloropropane

Concen: 49.961 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029169.D

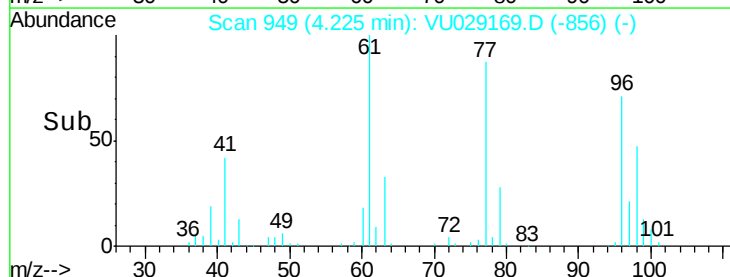
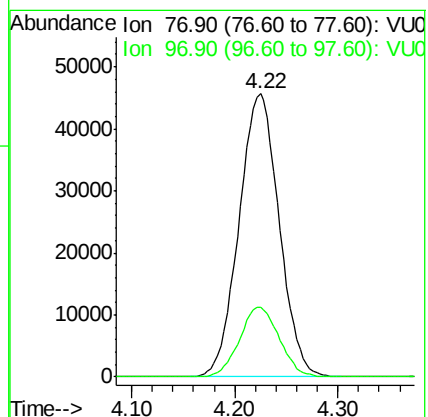
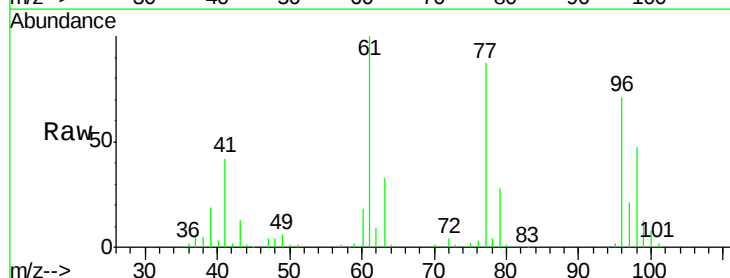
Acq: 14 Jan 2019 17:10

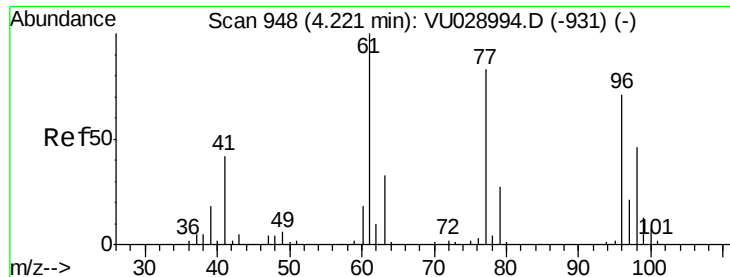
Tgt Ion: 77 Resp: 123525

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1



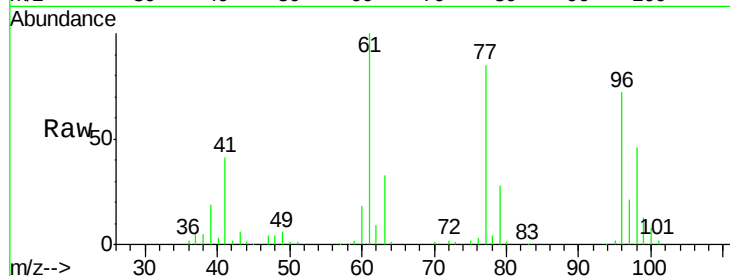


#27

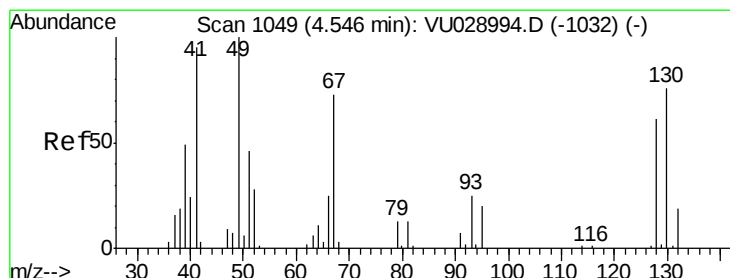
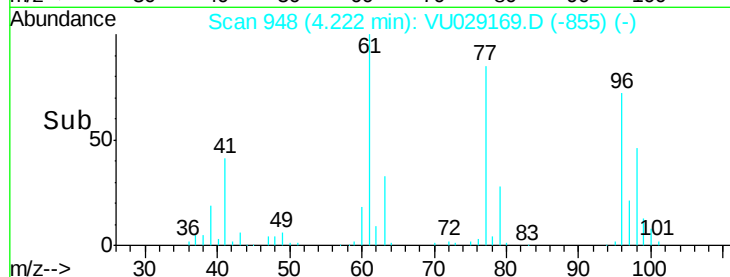
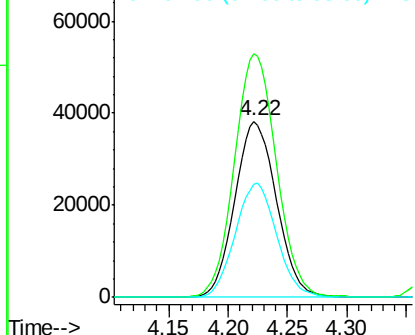
cis-1,2-Dichloroethene
Concen: 49.845 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 92581
Ion Ratio Lower Upper
96 100
61 140.4 0.0 285.6
98 64.6 0.0 130.2



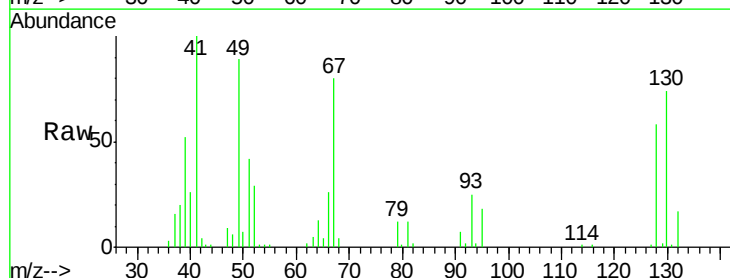
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



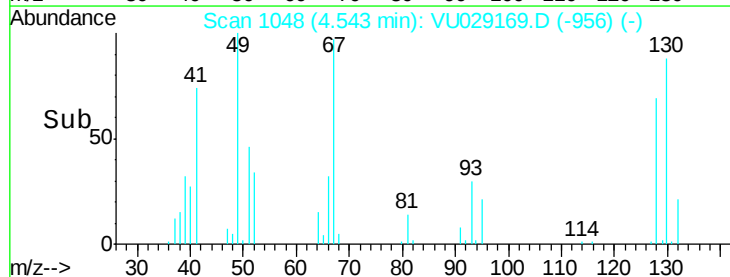
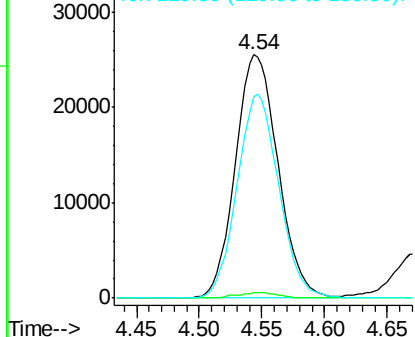
#28

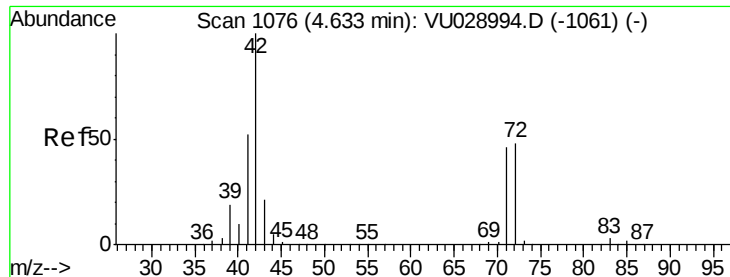
Bromochloromethane
Concen: 46.097 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 49 Resp: 60397
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.4
130 81.8 62.9 94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

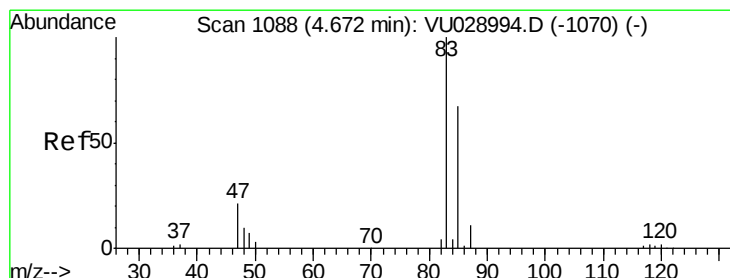
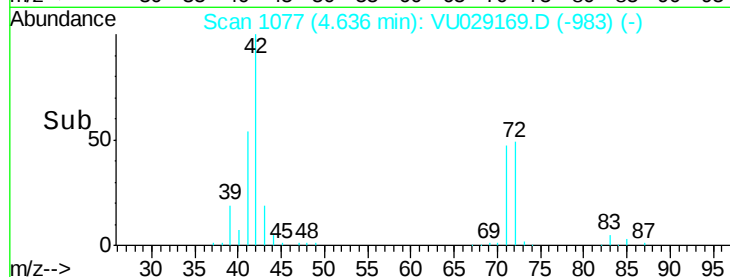
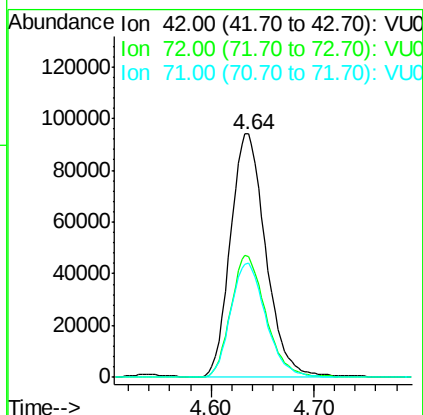
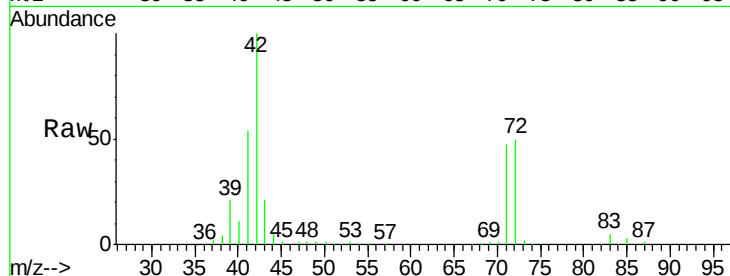




#29
Tetrahydrofuran
Concen: 248.482 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

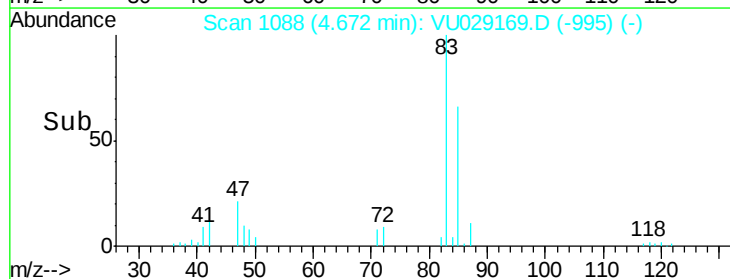
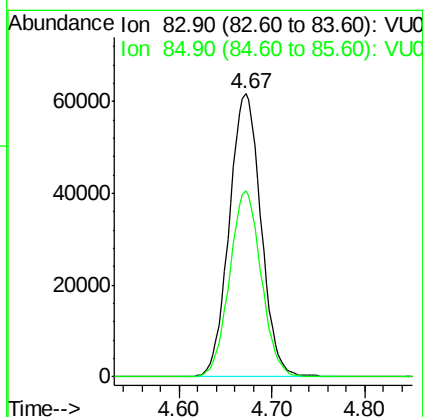
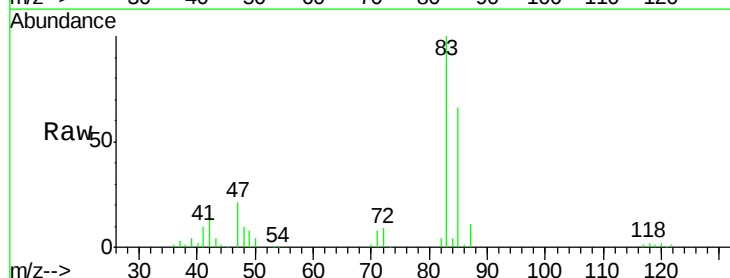
Instrument :
MSVOA_U
ClientSampleId :

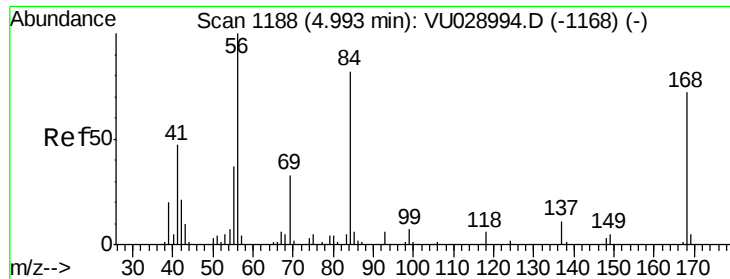
Tot Ion: 42 Resp: 223406
Ion Ratio Lower Upper
42 100
72 50.0 38.3 57.5
71 47.1 36.1 54.1



#30
Chloroform
Concen: 50.252 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 83 Resp: 146456
Ion Ratio Lower Upper
83 100
85 65.6 53.4 80.0

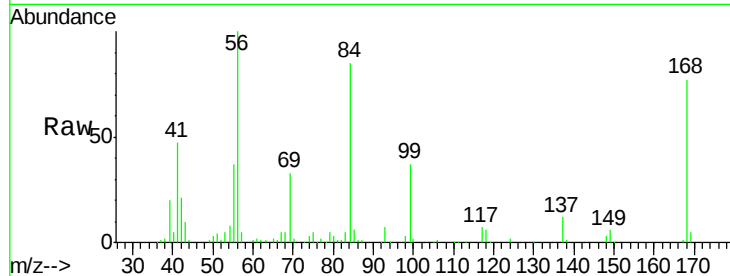




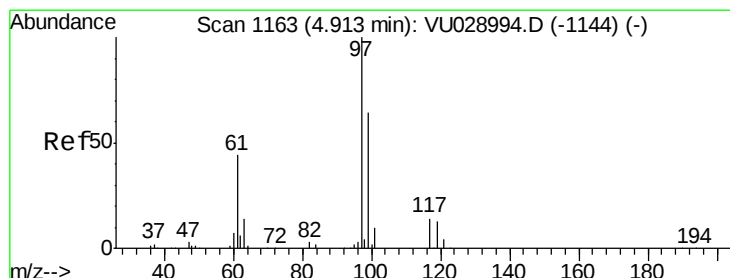
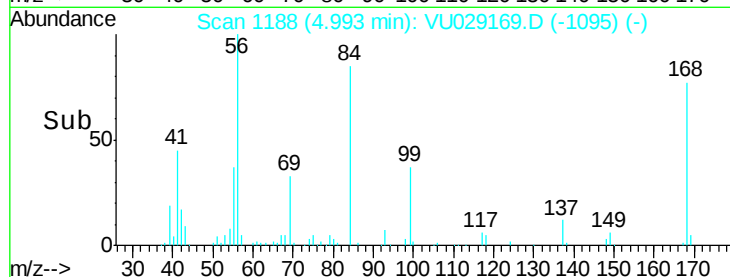
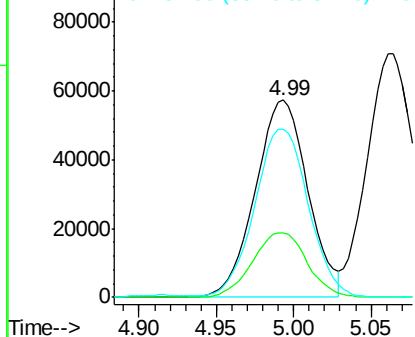
#31
Cyclohexane
Concen: 46.931 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 135756
Ion Ratio Lower Upper
56 100
69 32.8 26.7 40.1
84 84.8 65.7 98.5

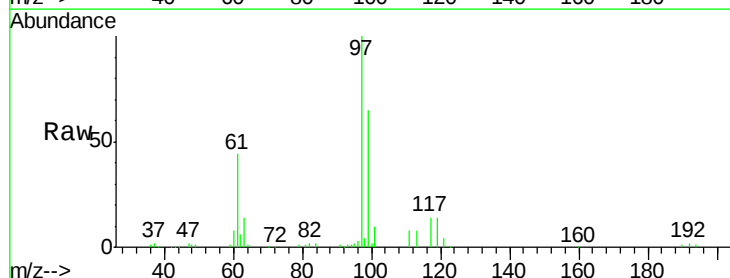


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

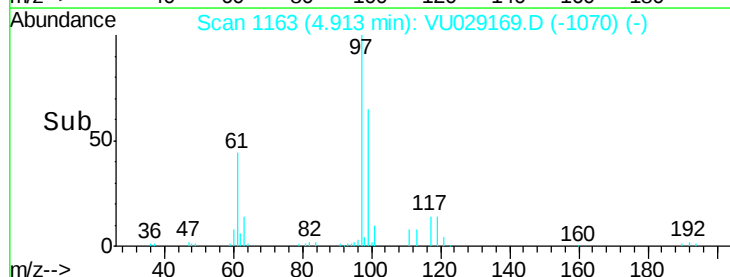
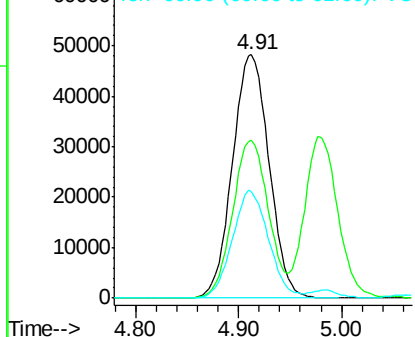


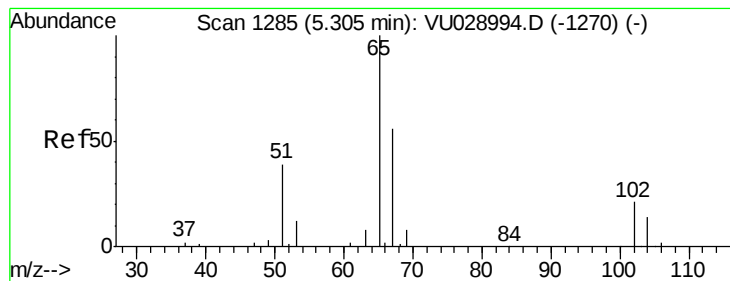
#32
1,1,1-Trichloroethane
Concen: 49.538 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 97 Resp: 119294
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 43.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 48.427 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

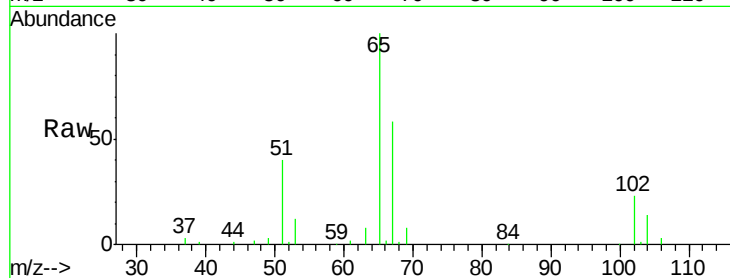
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 84370

Ion Ratio Lower Upper

65 100

67 56.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU029169.D (-1192) (-)

Ion 66.90 (66.60 to 67.60): VU029169.D (-1192) (-)

5.31

40000

30000

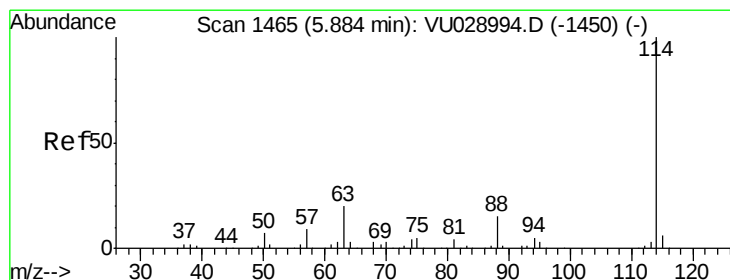
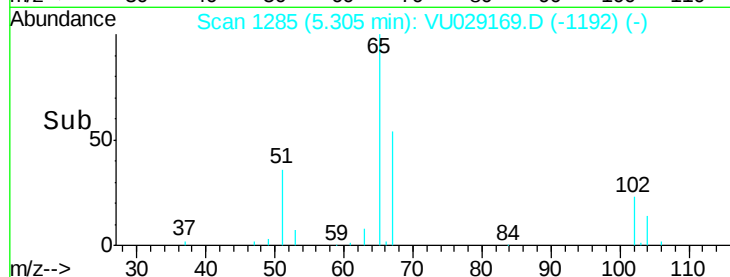
20000

10000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

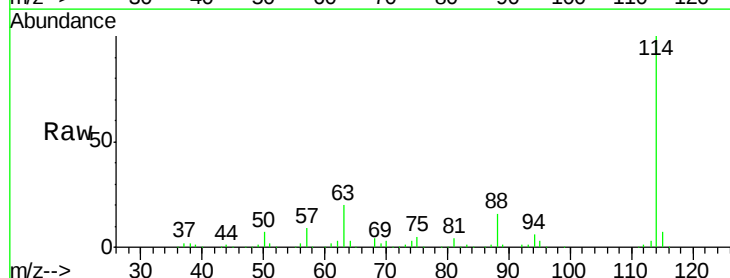
Tgt Ion: 114 Resp: 225304

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VU029169.D (-1372) (-)

Ion 63.00 (62.70 to 63.70): VU029169.D (-1372) (-)

Ion 87.90 (87.60 to 88.60): VU029169.D (-1372) (-)

5.88

150000

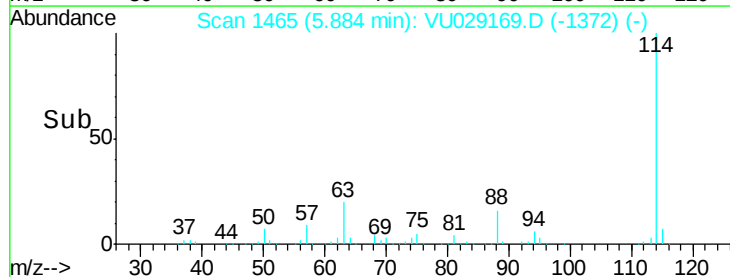
100000

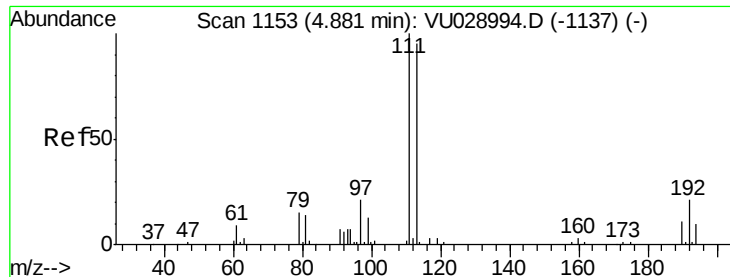
50000

0

Time-->

5.80 5.90 6.00

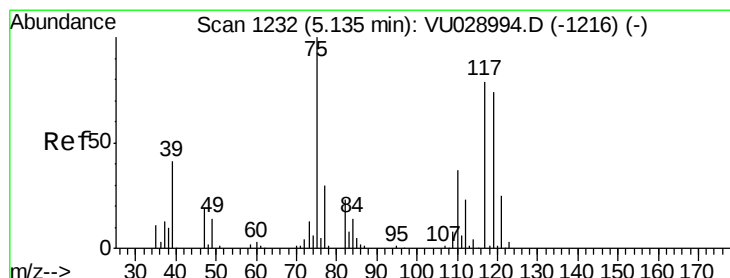
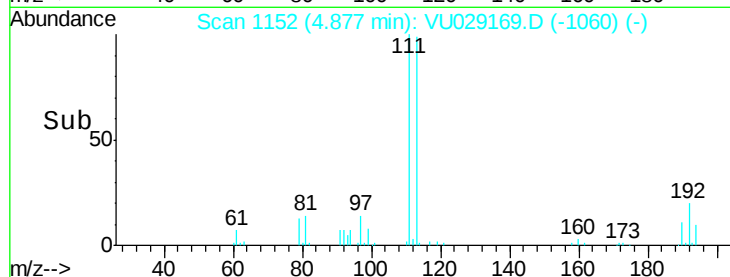
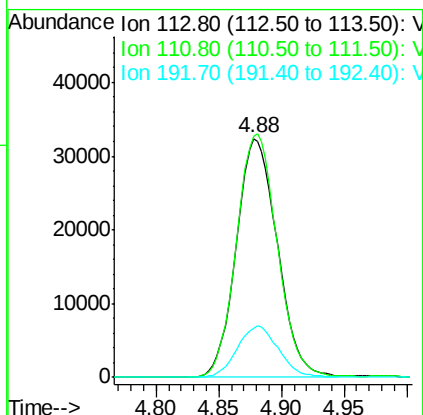
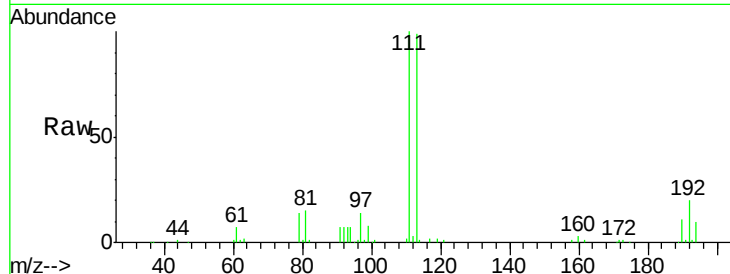




#35
 Dibromofluoromethane
 Concen: 50.524 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

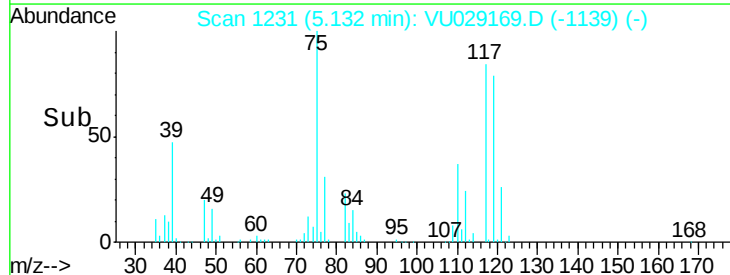
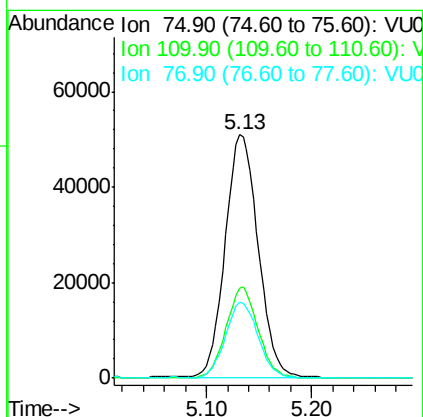
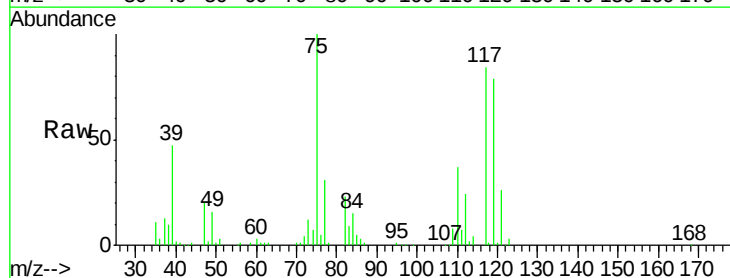
Instrument :
 MSVOA_U
 ClientSampleId :

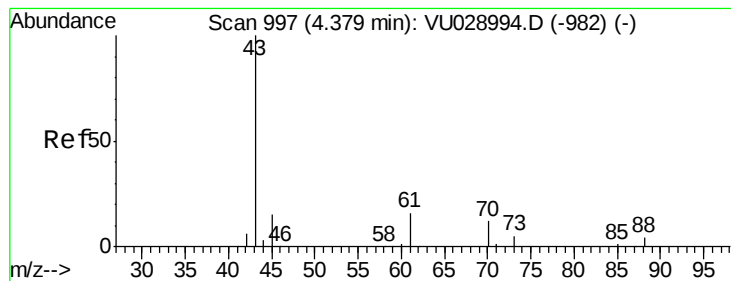
Tot Ion:113 Resp: 73790
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.4 122.2
 192 21.5 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 49.304 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 75 Resp: 111034
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.4 55.4
 77 30.6 25.1 37.7





#37

Ethyl Acetate

Concen: 50.762 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

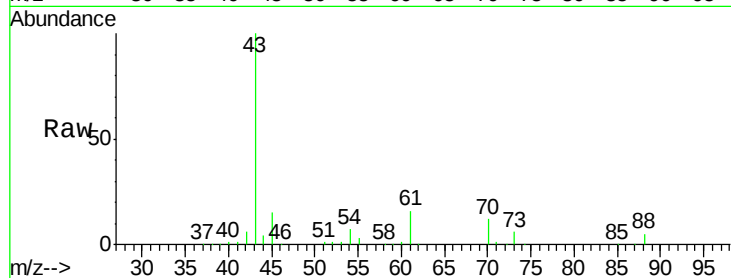
Tot Ion: 43 Resp: 125481

Ion Ratio Lower Upper

43 100

61 16.1 12.6 18.8

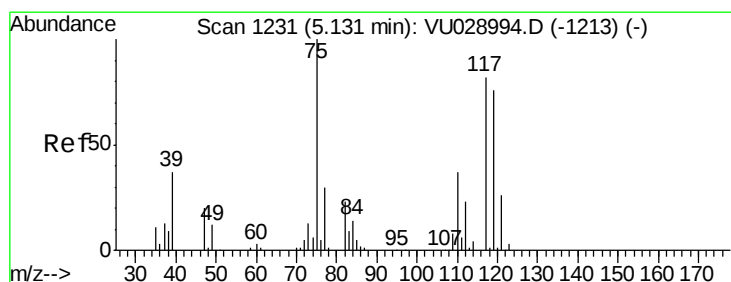
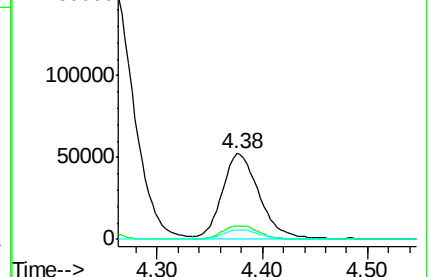
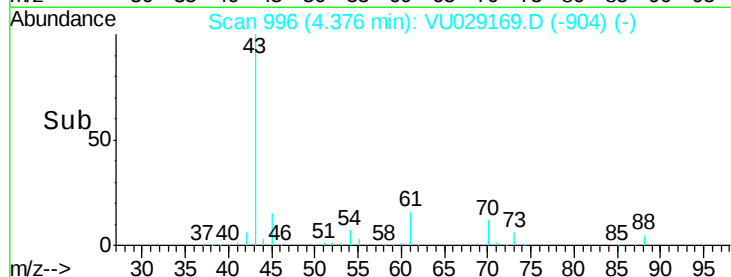
70 11.7 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 51.859 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

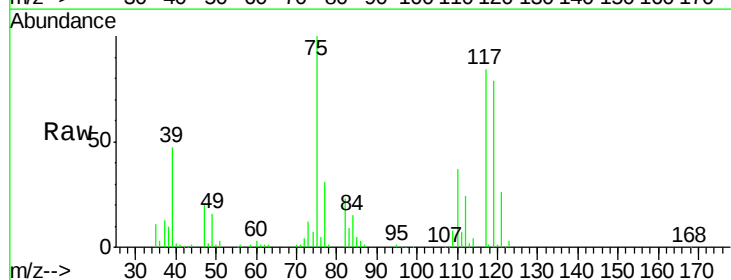
Tgt Ion: 117 Resp: 97406

Ion Ratio Lower Upper

117 100

119 93.5 74.6 111.8

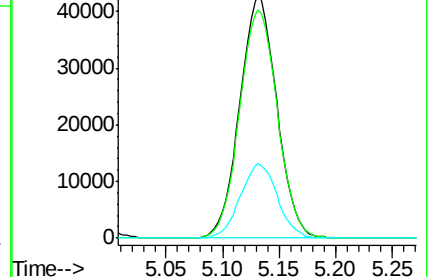
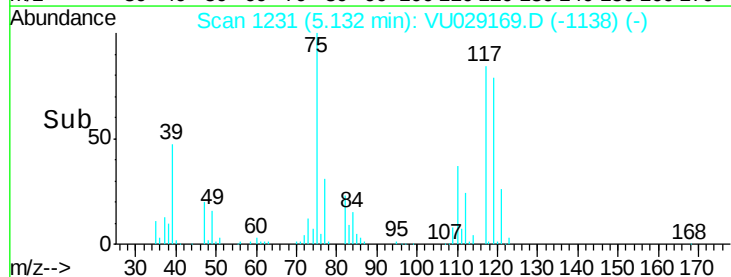
121 30.5 25.0 37.6

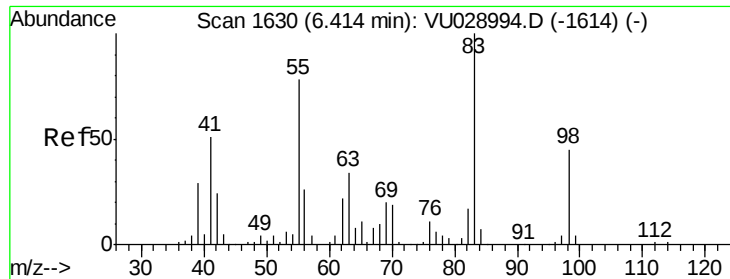


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

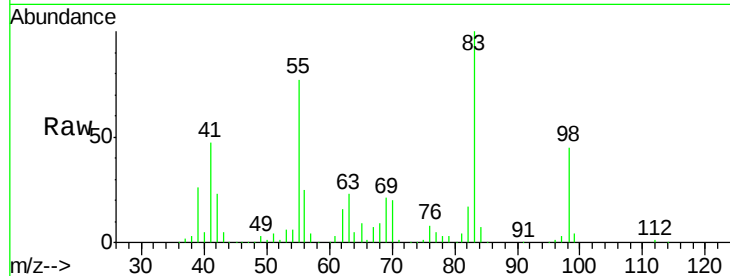




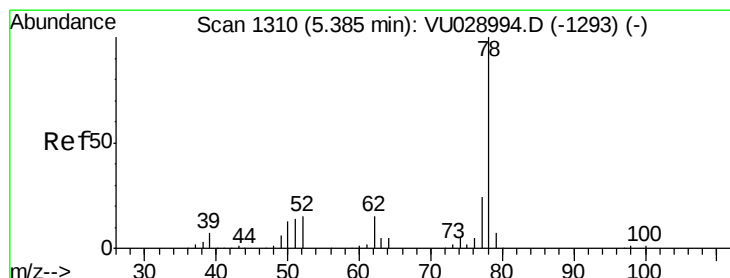
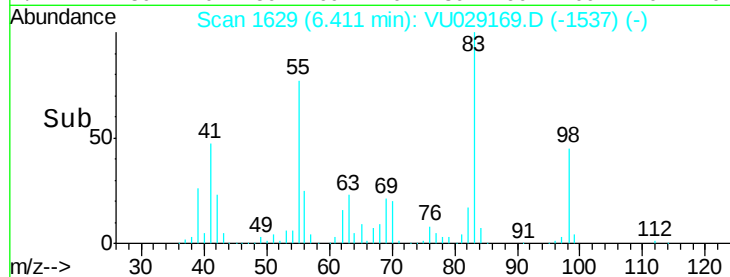
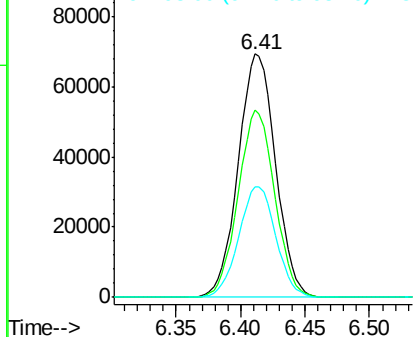
#39
Methvlcvclohexane
Concen: 50.428 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 139612
Ion Ratio Lower Upper
83 100
55 76.8 62.4 93.6
98 45.4 36.2 54.2

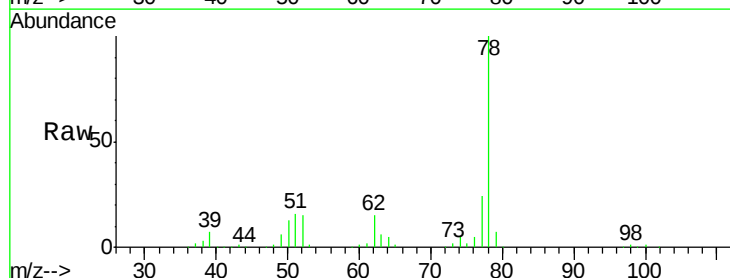


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

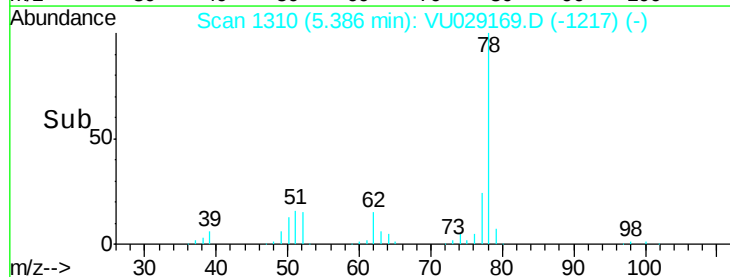
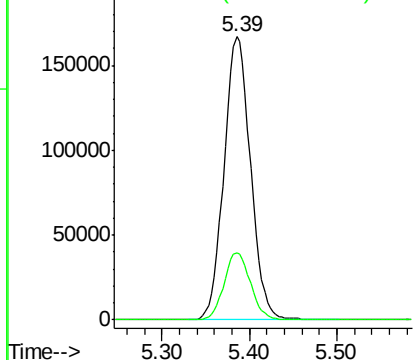


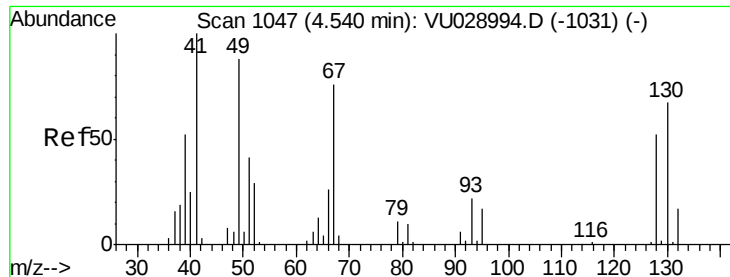
#40
Benzene
Concen: 50.002 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 78 Resp: 351244
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

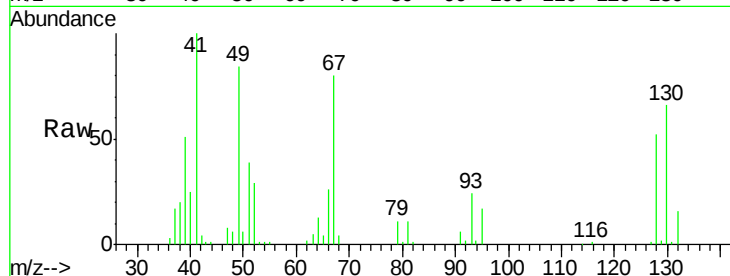




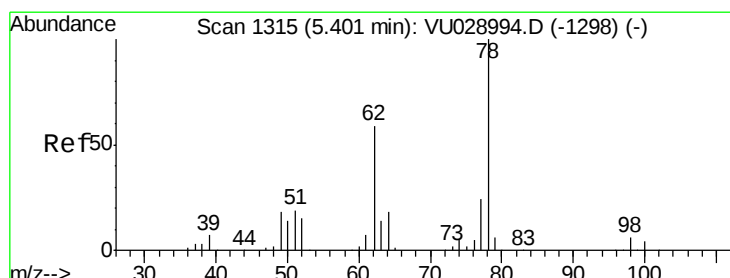
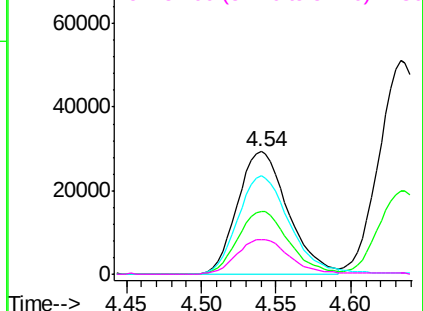
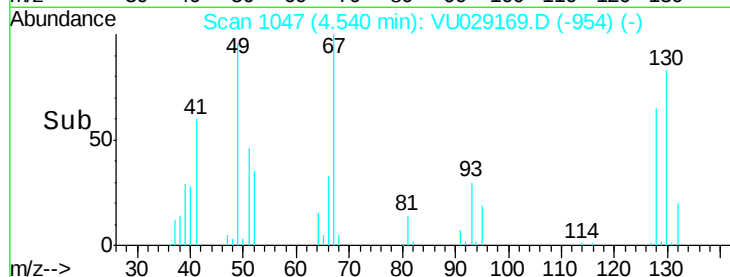
#41
Methacrylonitrile
Concen: 52.238 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	69121
Ion	Ratio	Lower	Upper
41	100		
39	51.6	42.3	63.5
67	82.9	64.4	96.6
52	29.8	23.9	35.9

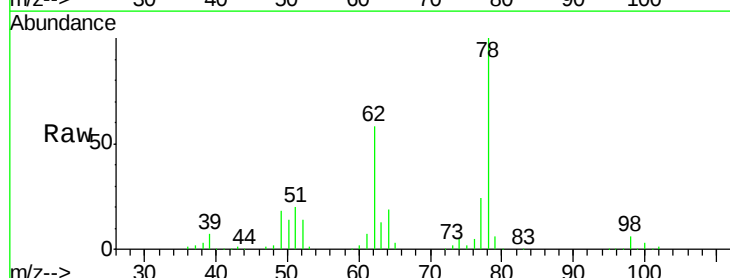


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

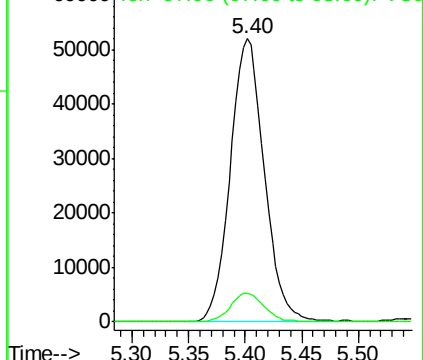
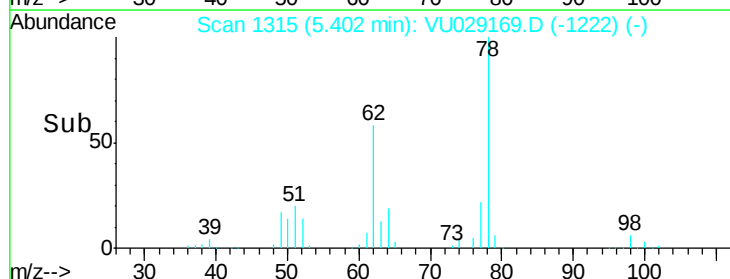


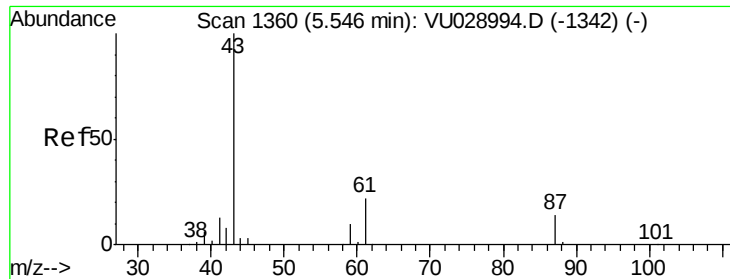
#42
1,2-Dichloroethane
Concen: 51.729 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:	62	Resp:	109192
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.762 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

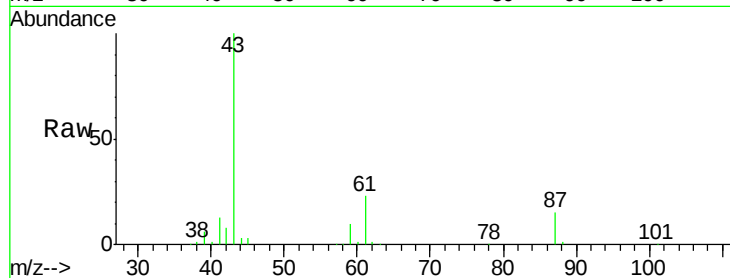
Tot Ion: 43 Resp: 196280

Ion Ratio Lower Upper

43 100

61 23.0 17.8 26.6

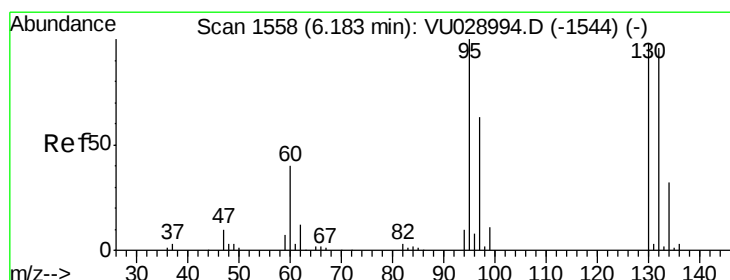
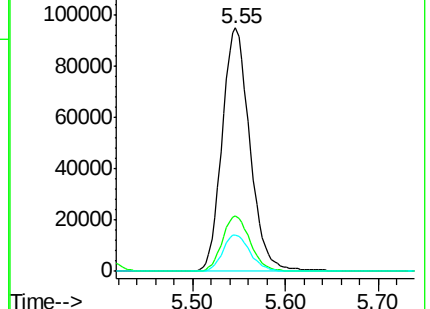
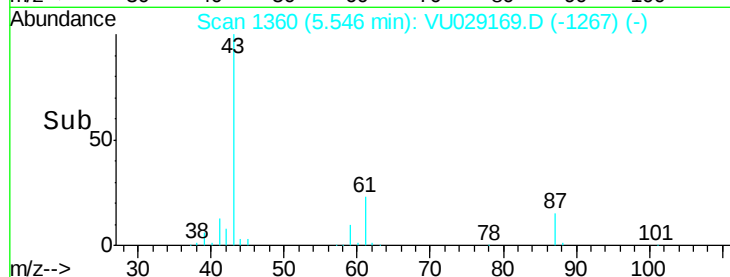
87 14.8 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028994.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-1342) (-)



#44

Trichloroethene

Concen: 50.505 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029169.D

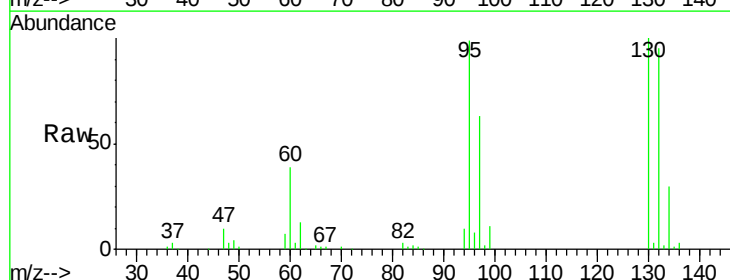
Acq: 14 Jan 2019 17:10

Tgt Ion:130 Resp: 87905

Ion Ratio Lower Upper

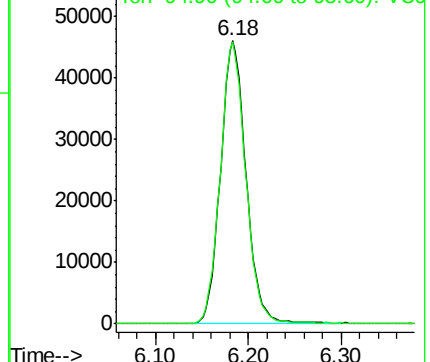
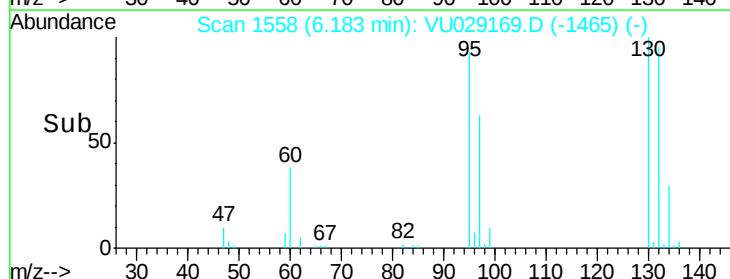
130 100

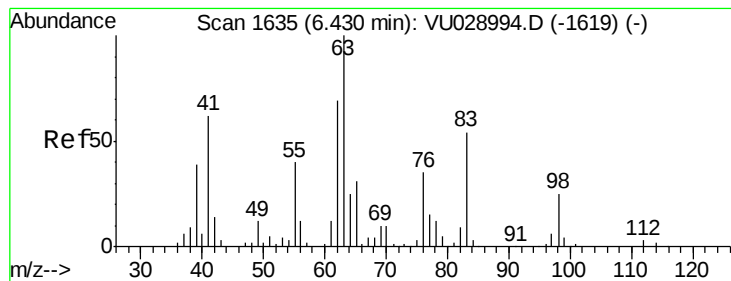
95 99.4 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028994.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 50.392 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

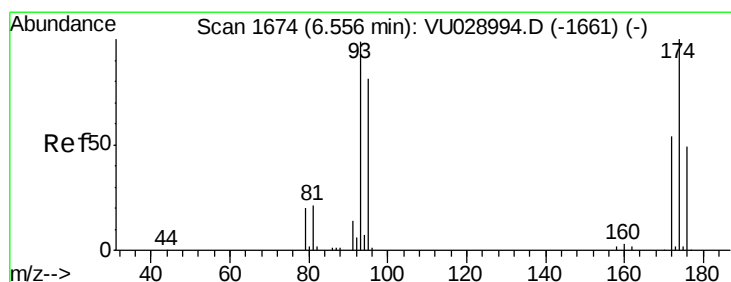
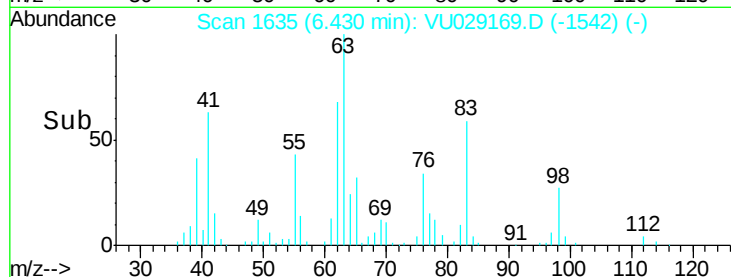
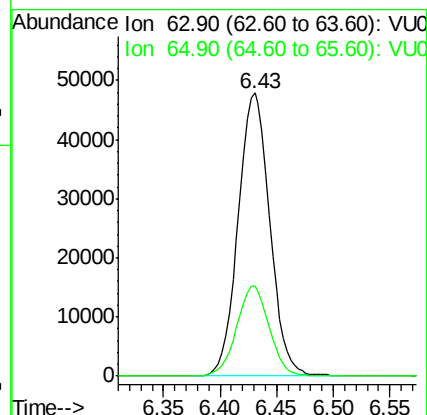
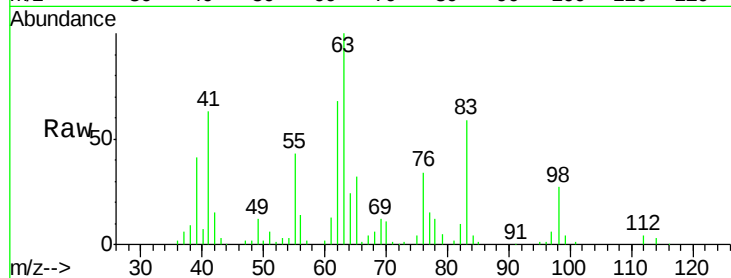
ClientSampleId :

Tot Ion: 63 Resp: 93481

Ion Ratio Lower Upper

63 100

65 32.0 25.1 37.7



#46

Dibromomethane

Concen: 50.731 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

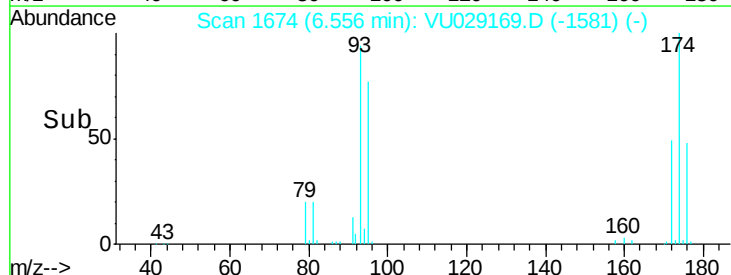
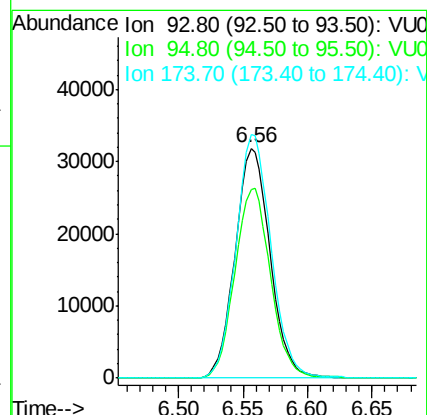
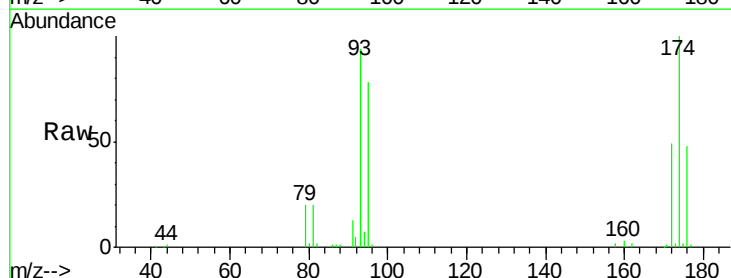
Tgt Ion: 93 Resp: 60161

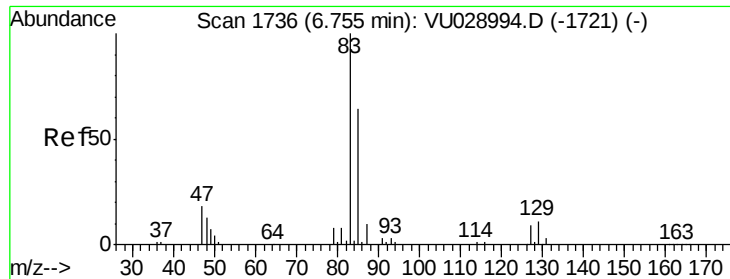
Ion Ratio Lower Upper

93 100

95 84.1 67.2 100.8

174 105.9 82.6 123.8

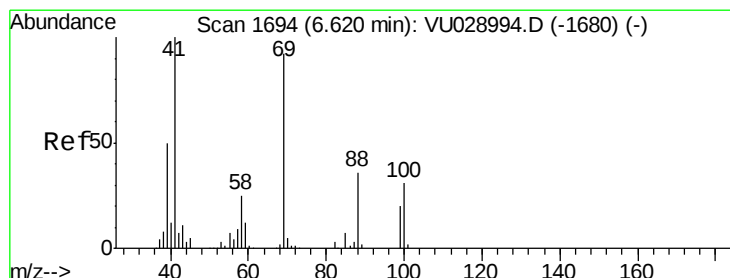
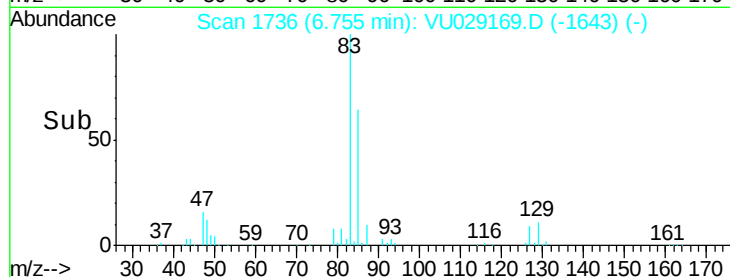
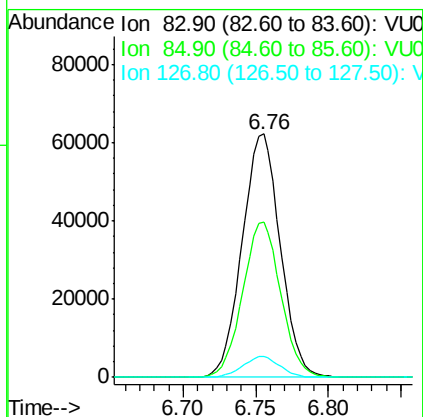
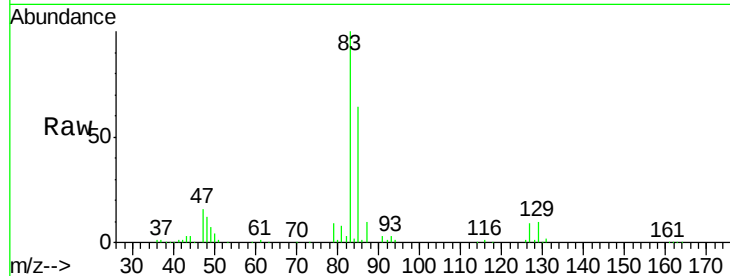




#47
Bromodichloromethane
Concen: 52.073 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

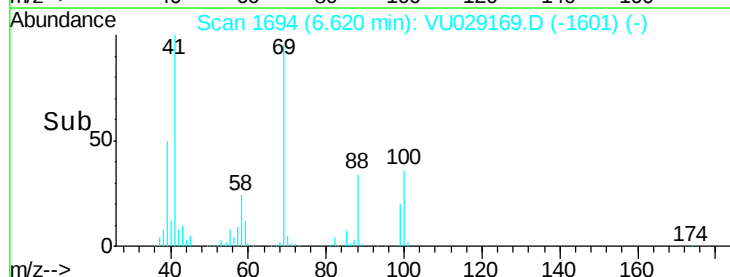
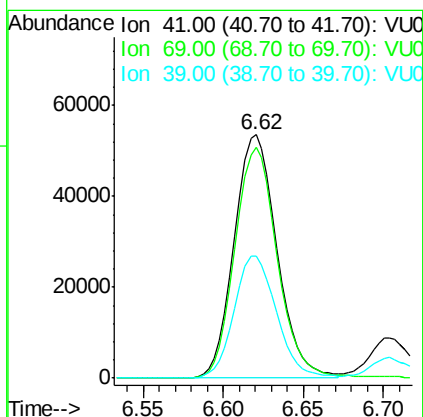
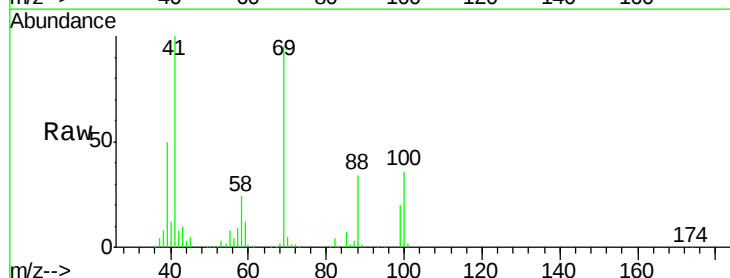
Instrument :
MSVOA_U
ClientSampleId :

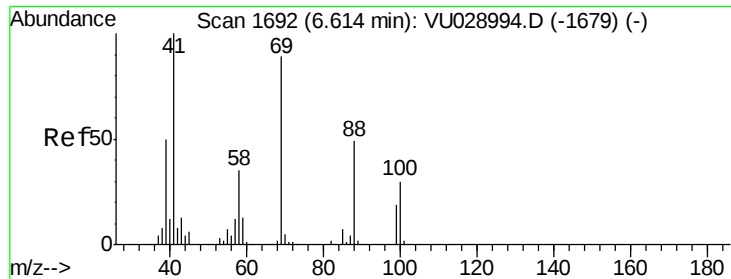
Tot Ion: 83 Resp: 113695
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.2
127 8.6 7.0 10.4



#48
Methyl methacrylate
Concen: 53.032 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 41 Resp: 97918
Ion Ratio Lower Upper
41 100
69 94.9 73.6 110.4
39 49.5 39.6 59.4

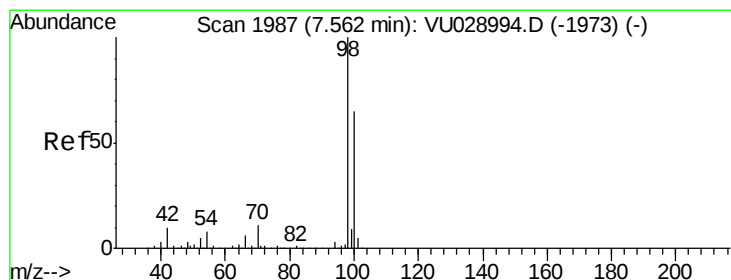
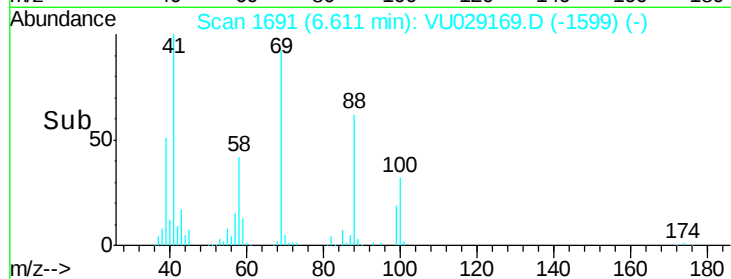
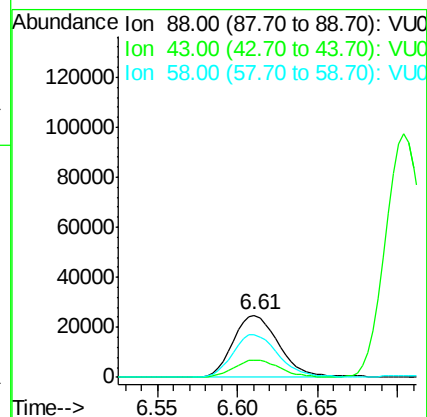
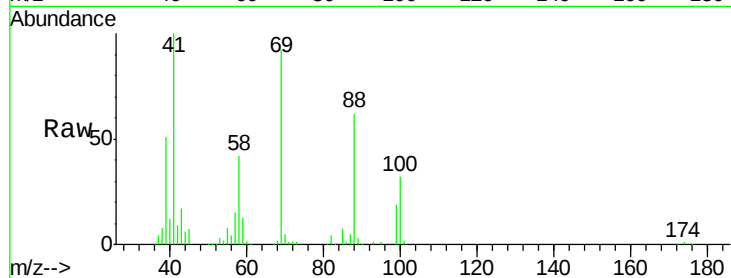




#49
1,4-Dioxane
Concen: 1104.421 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

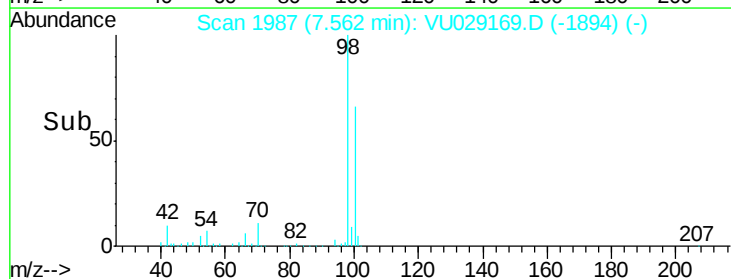
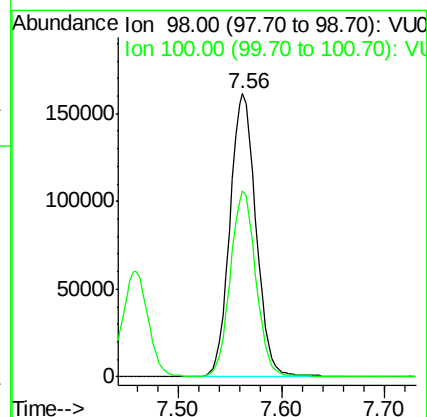
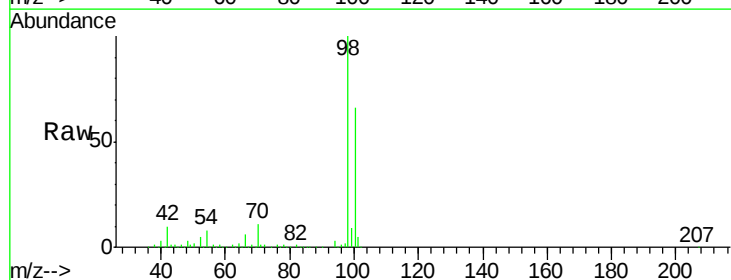
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 48326
Ion Ratio Lower Upper
88 100
43 28.0 23.0 34.4
58 68.7 57.9 86.9



#50
Toluene-d8
Concen: 49.424 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 98 Resp: 284968
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 256.784 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

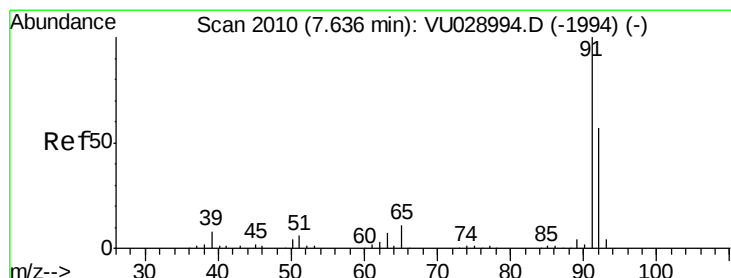
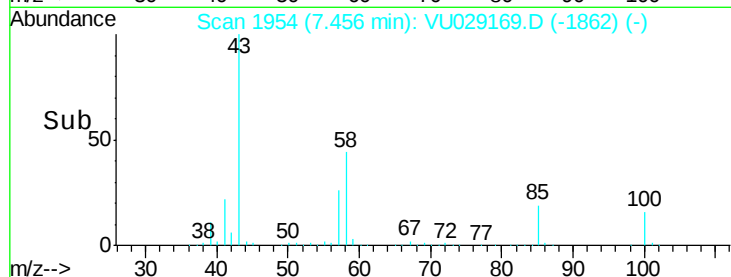
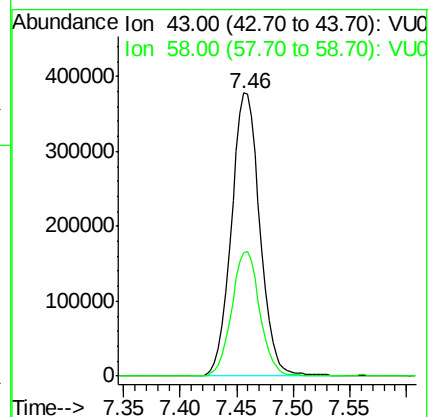
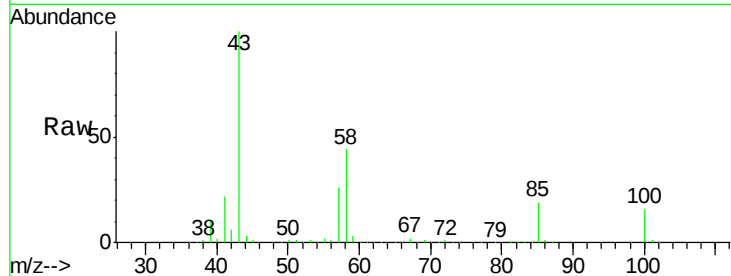
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 662669

Ion Ratio Lower Upper

43 100

58 43.5 33.9 50.9



#52

Toluene

Concen: 51.383 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029169.D

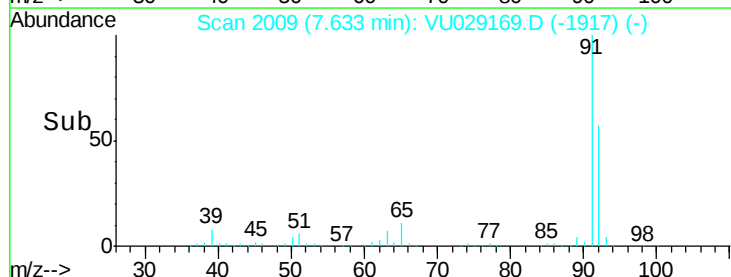
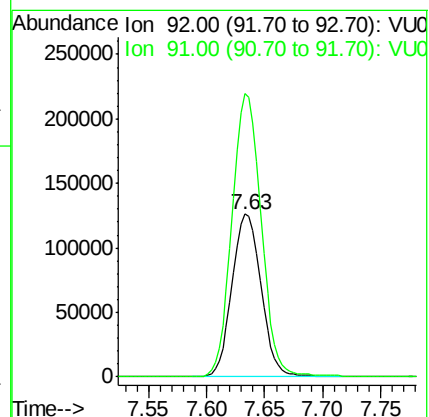
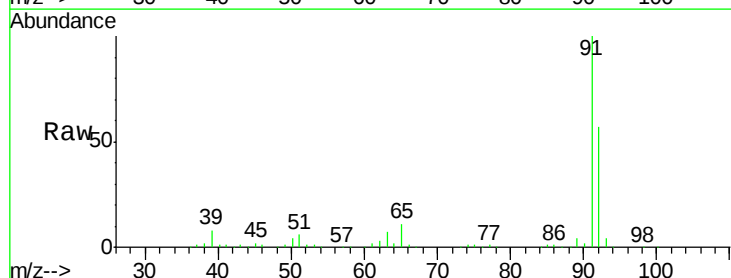
Acq: 14 Jan 2019 17:10

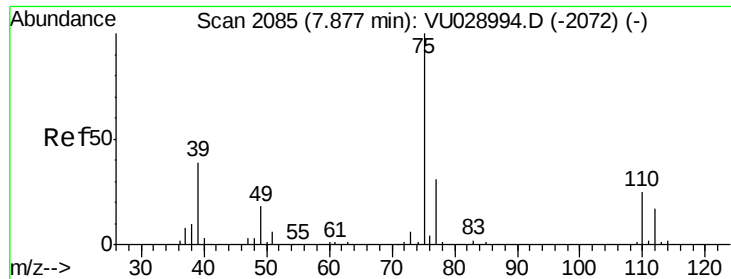
Tgt Ion: 92 Resp: 219733

Ion Ratio Lower Upper

92 100

91 175.2 139.8 209.8

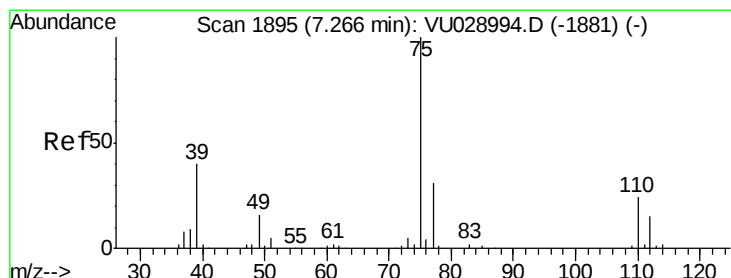
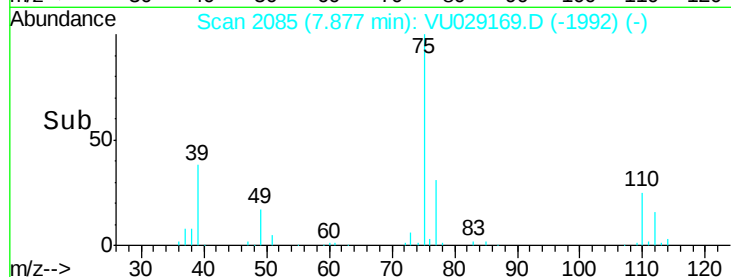
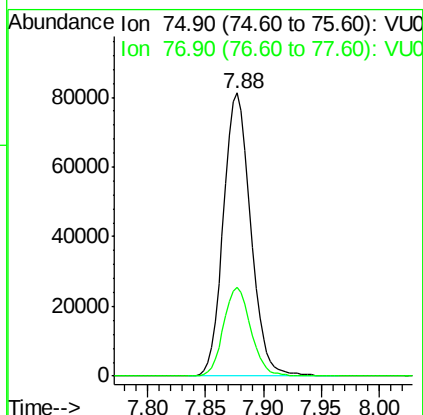
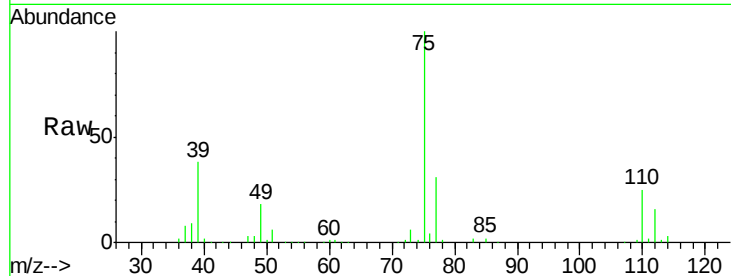




#53
t-1,3-Dichloropropene
Concen: 50.523 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

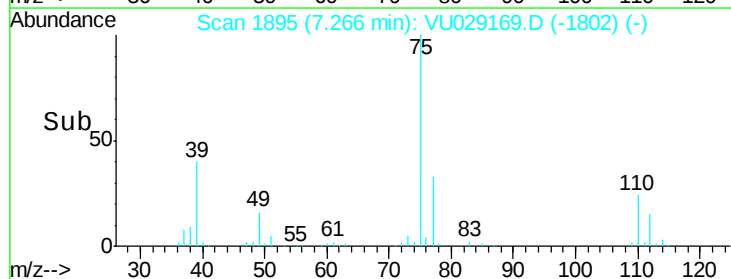
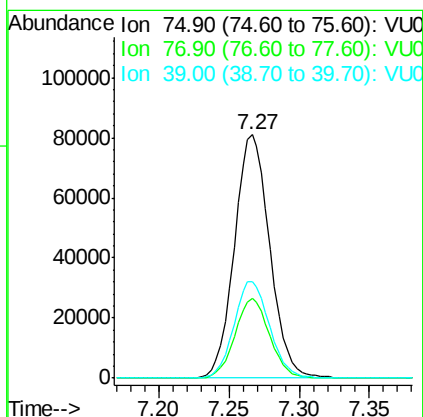
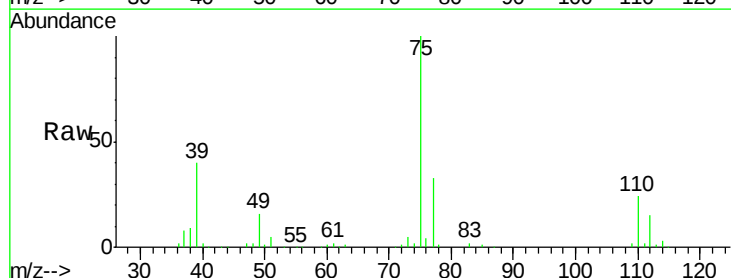
Instrument :
MSVOA_U
ClientSampleId :

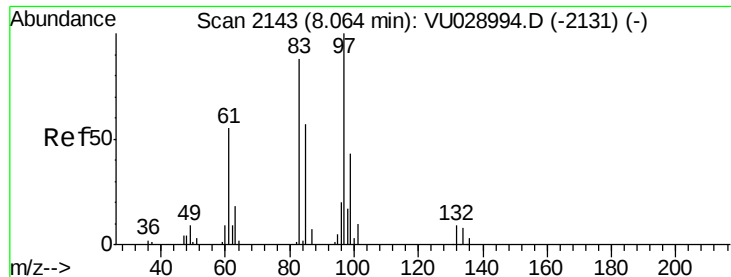
Tot Ion: 75 Resp: 132513
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 50.196 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 75 Resp: 142262
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 39.8 32.2 48.4





#55

1,1,2-Trichloroethane

Concen: 51.682 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 88541

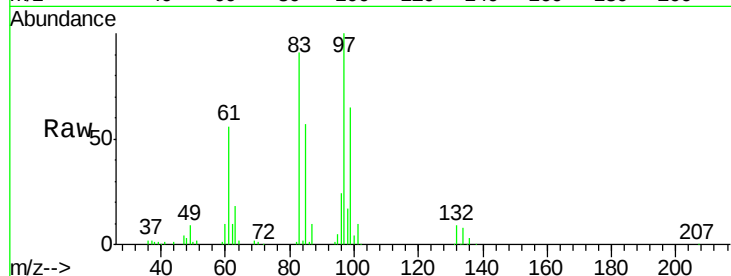
Ion Ratio Lower Upper

97 100

83 91.4 69.8 104.8

85 57.3 47.3 70.9

99 64.6 49.7 74.5

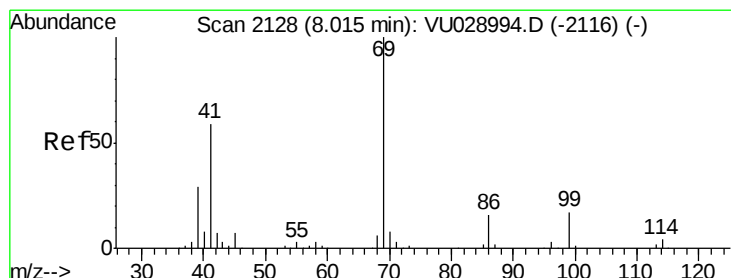
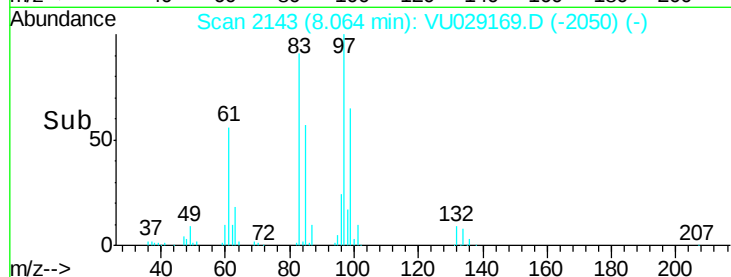
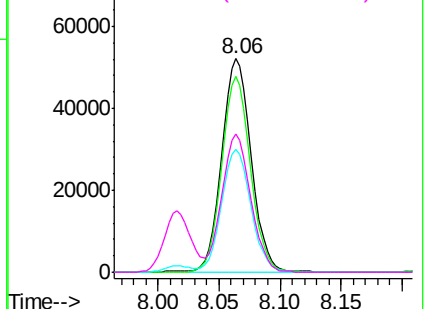


Abundance Ion 96.90 (96.60 to 97.60): VU028994.D (-2131) (-)

Ion 82.90 (82.60 to 83.60): VU028994.D (-2131) (-)

Ion 84.90 (84.60 to 85.60): VU028994.D (-2131) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-2131) (-)



#56

Ethyl methacrylate

Concen: 51.856 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

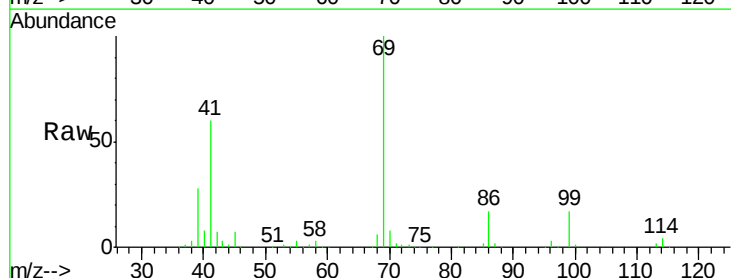
Tgt Ion: 69 Resp: 136867

Ion Ratio Lower Upper

69 100

41 59.6 47.5 71.3

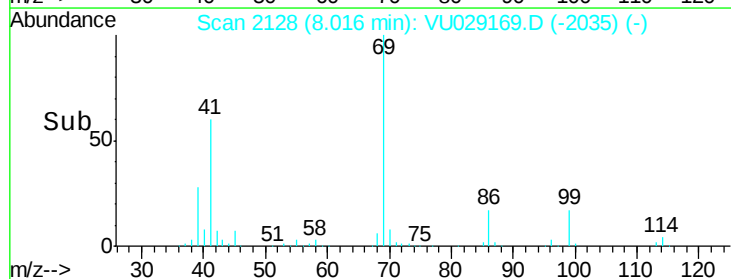
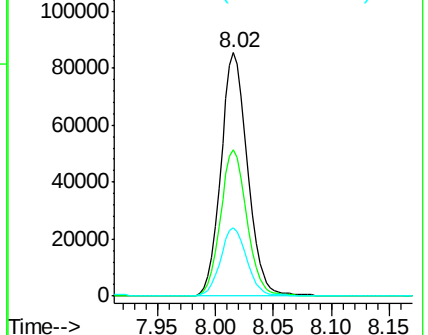
39 28.0 22.5 33.7

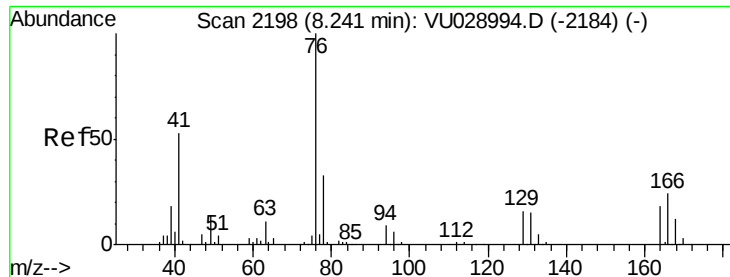


Abundance Ion 69.00 (68.70 to 69.70): VU028994.D (-2116) (-)

Ion 41.00 (40.70 to 41.70): VU028994.D (-2116) (-)

Ion 39.00 (38.70 to 39.70): VU028994.D (-2116) (-)





#57

1,3-Dichloropropane

Concen: 50.872 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

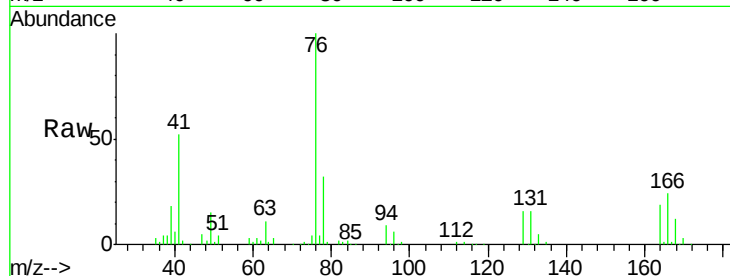
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 149129

Ion Ratio Lower Upper

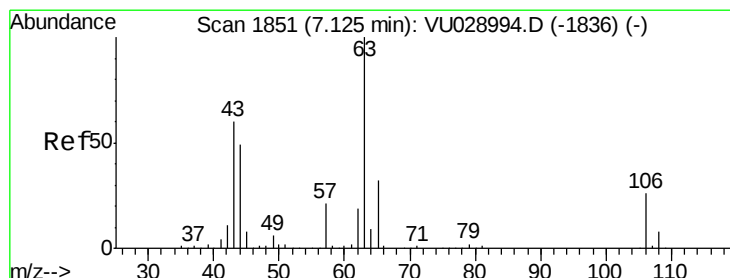
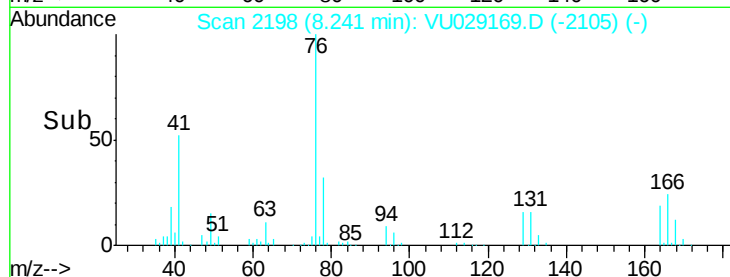
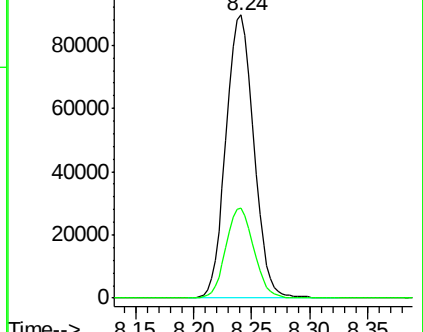
76 100

78 31.6 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU029169.D (-2105) (-)

Ion 77.90 (77.60 to 78.60): VU029169.D (-2105) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 246.770 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029169.D

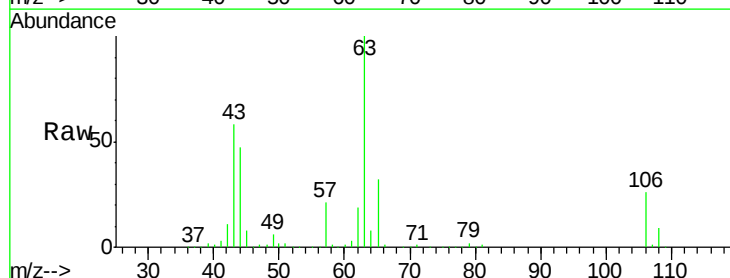
Acq: 14 Jan 2019 17:10

Tgt Ion: 63 Resp: 286436

Ion Ratio Lower Upper

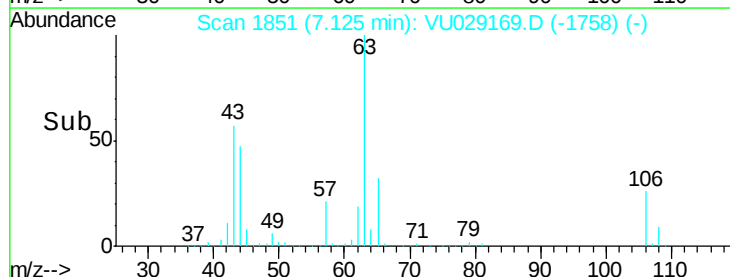
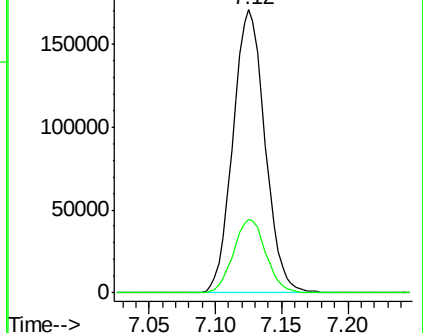
63 100

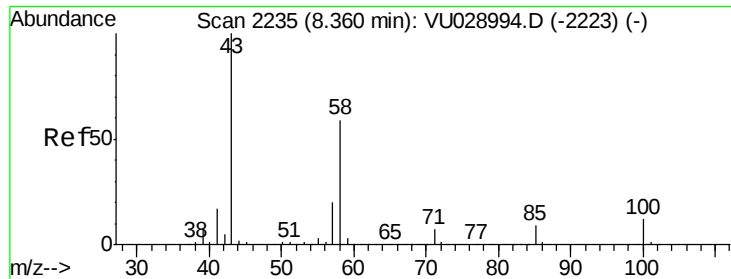
106 26.3 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU029169.D (-1758) (-)

Ion 105.90 (105.60 to 106.60): VU029169.D (-1758) (-)

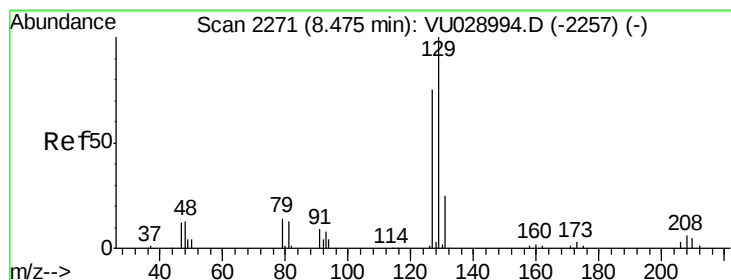
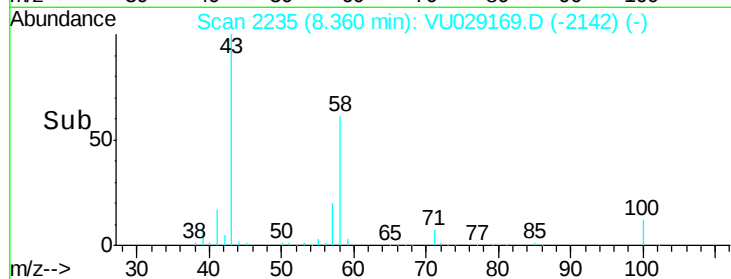
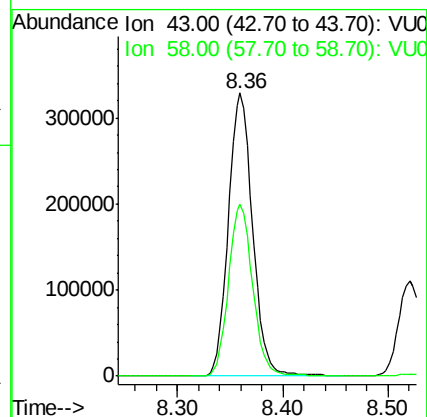
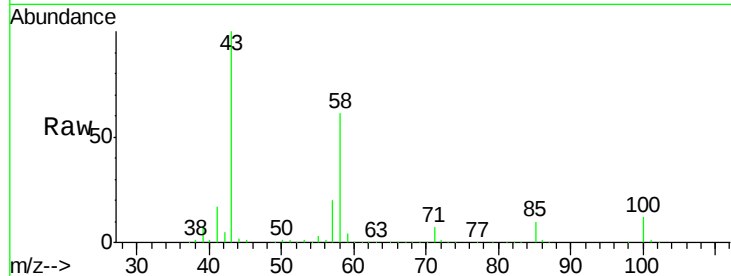




#59
2-Hexanone
Concen: 258.188 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

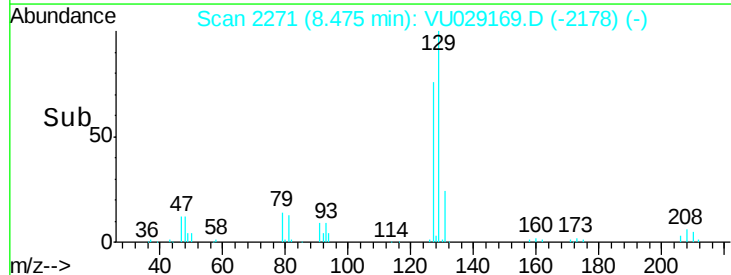
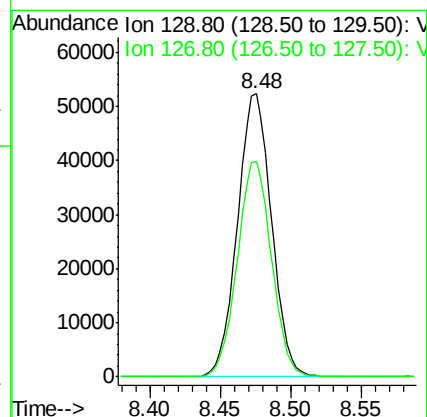
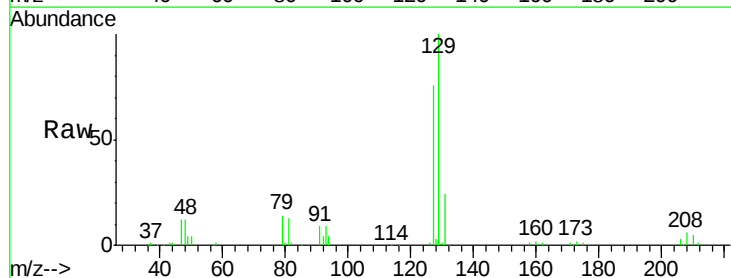
Instrument :
MSVOA_U
ClientSampleId :

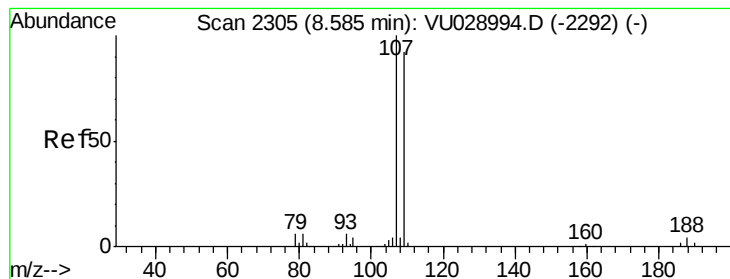
Tot Ion: 43 Resp: 523016
Ion Ratio Lower Upper
43 100
58 60.7 29.8 89.4



#60
Dibromochloromethane
Concen: 52.365 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 129 Resp: 88878
Ion Ratio Lower Upper
129 100
127 76.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 50.999 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

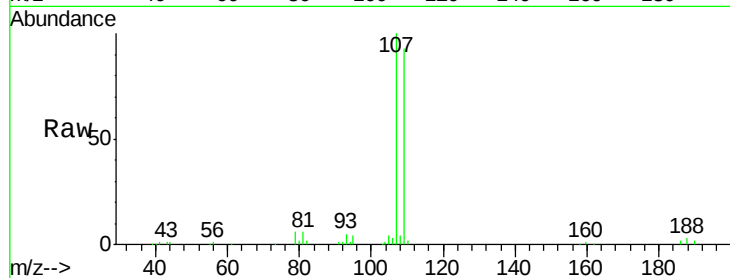
ClientSampleId :

Tot Ion:107 Resp: 94758

Ion Ratio Lower Upper

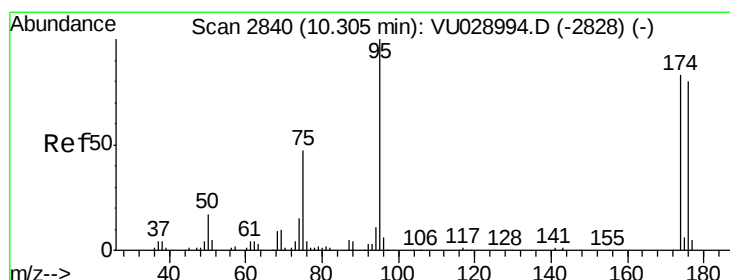
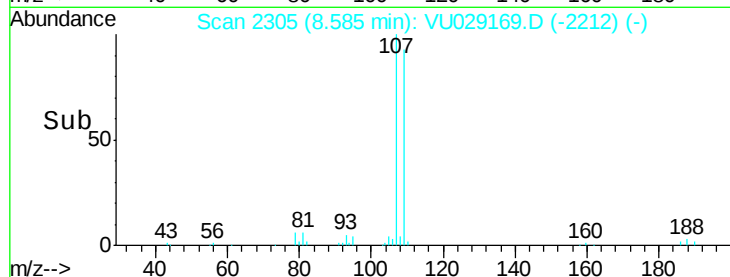
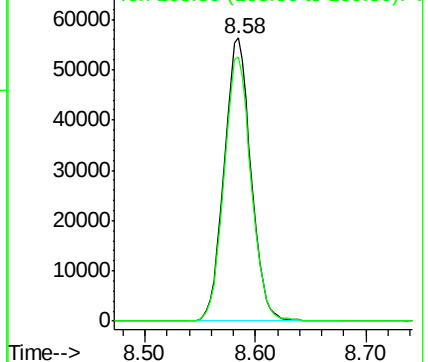
107 100

109 94.5 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.687 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

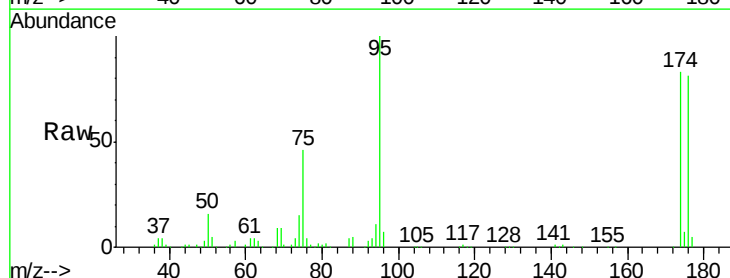
Tgt Ion: 95 Resp: 102958

Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.6

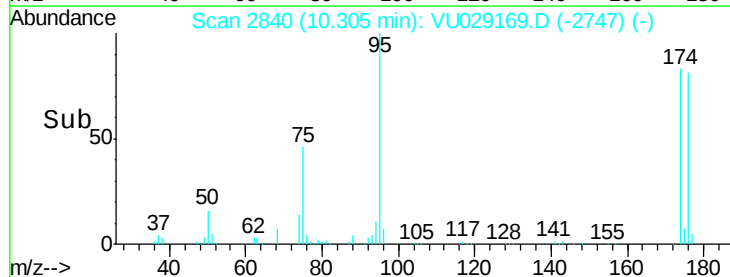
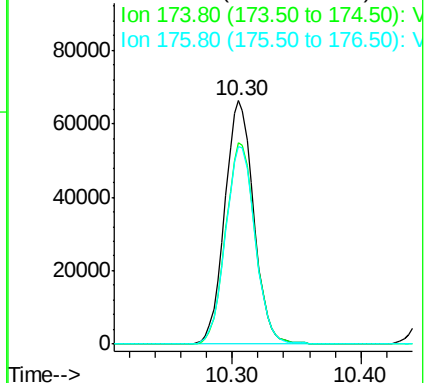
176 83.1 0.0 165.0

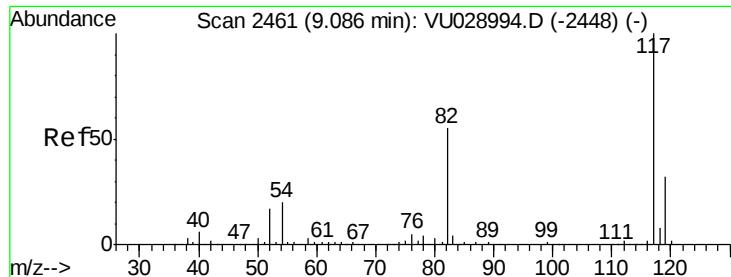


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

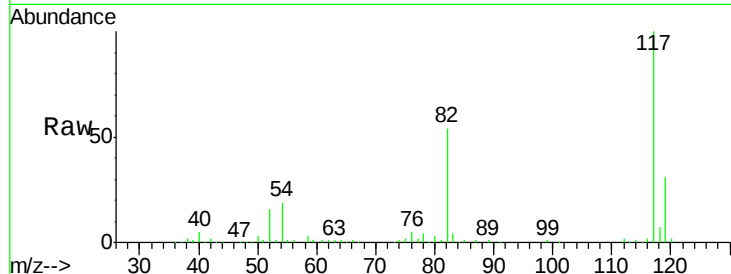




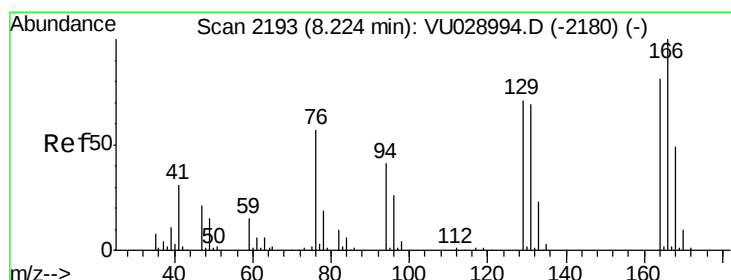
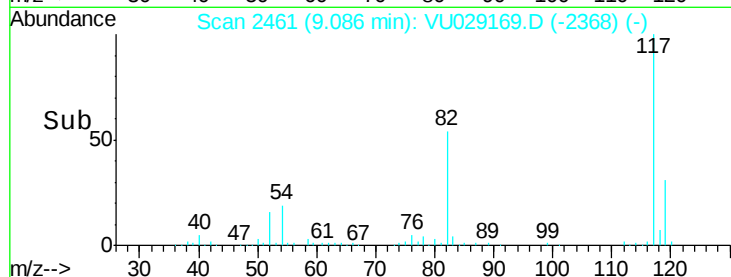
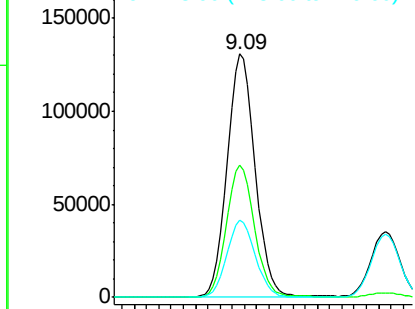
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 211237
Ion Ratio Lower Upper
117 100
82 54.4 43.9 65.9
119 31.5 26.0 39.0

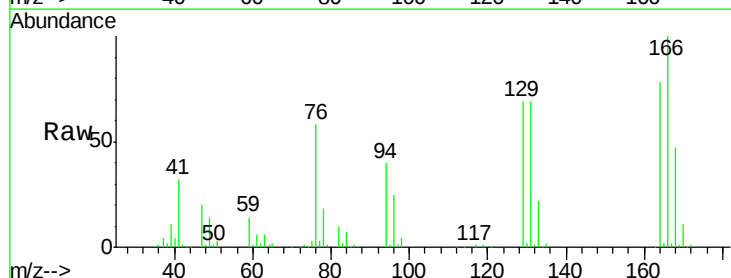


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

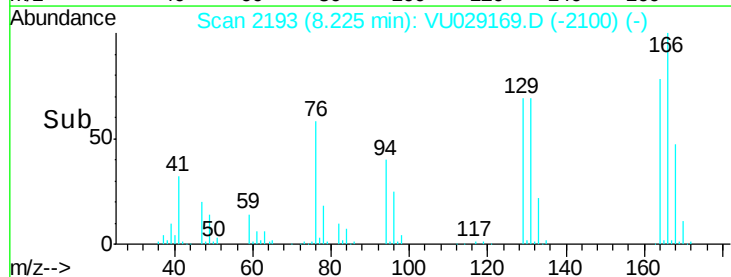
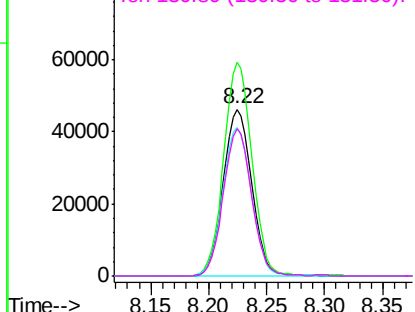


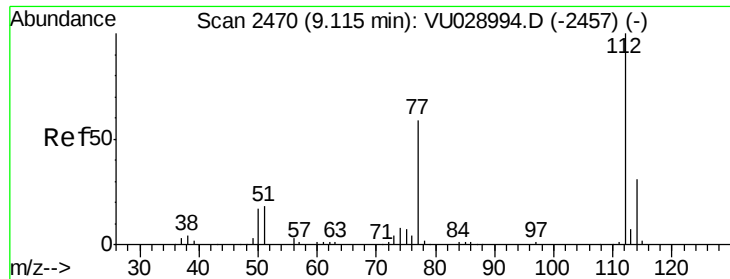
#64
Tetrachloroethene
Concen: 51.427 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:164 Resp: 78254
Ion Ratio Lower Upper
164 100
166 128.3 99.4 149.0
129 89.0 70.5 105.7
131 88.3 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

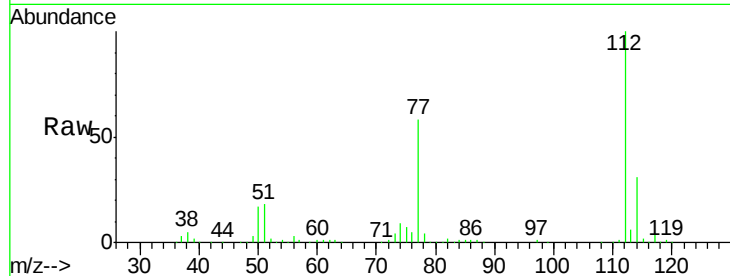




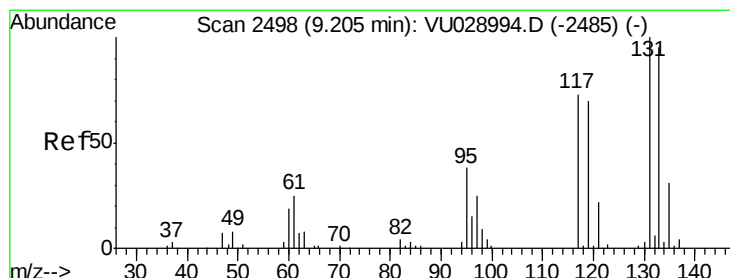
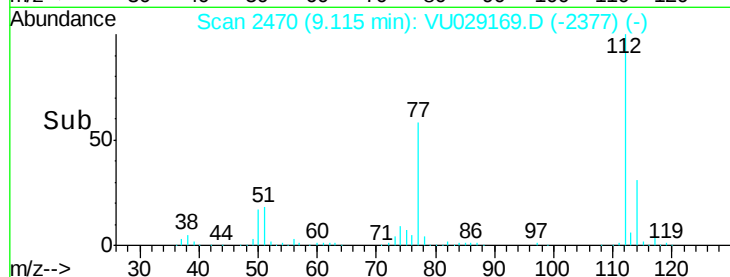
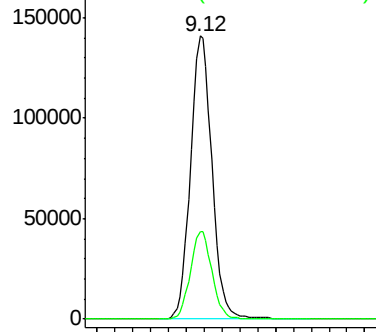
#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 235031
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

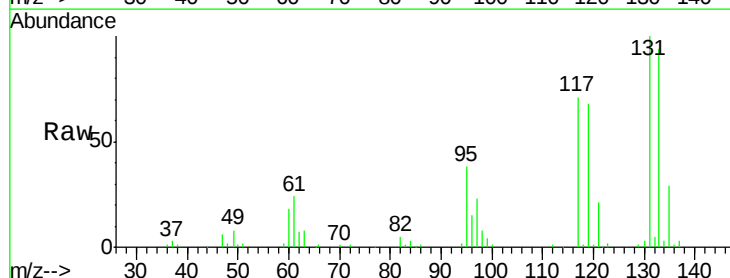


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

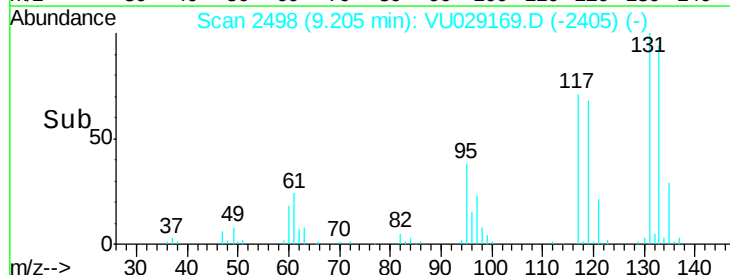
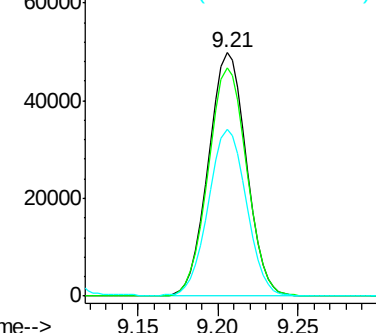


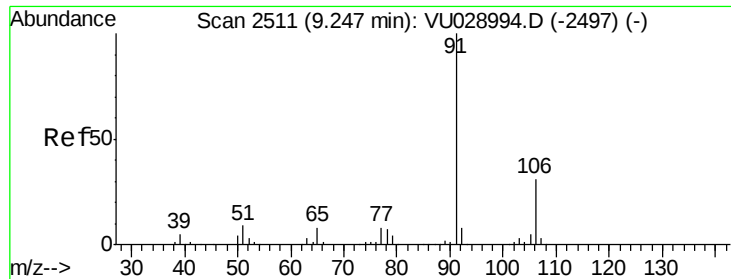
#66
1,1,1,2-Tetrachloroethane
Concen: 52.364 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:131 Resp: 80462
Ion Ratio Lower Upper
131 100
133 95.2 48.2 144.6
119 69.1 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

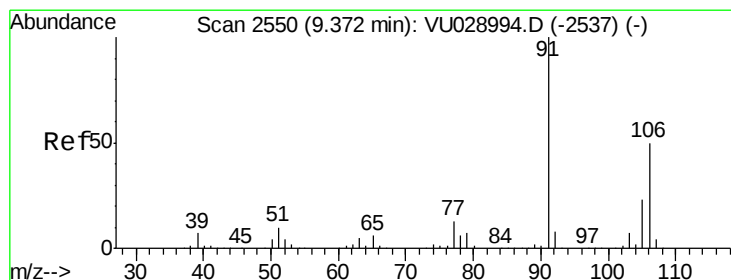
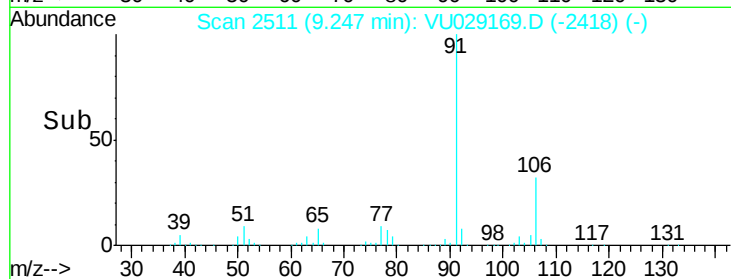
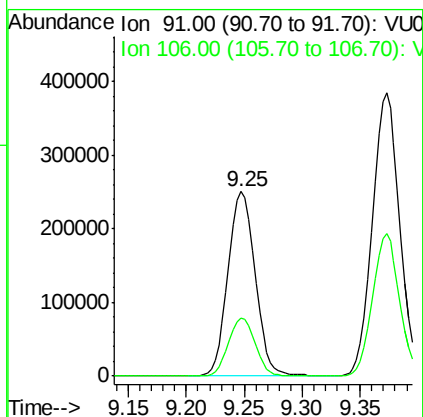
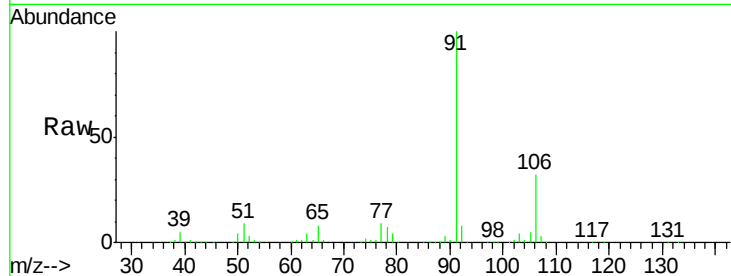




#67
Ethyl Benzene
Concen: 51.572 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

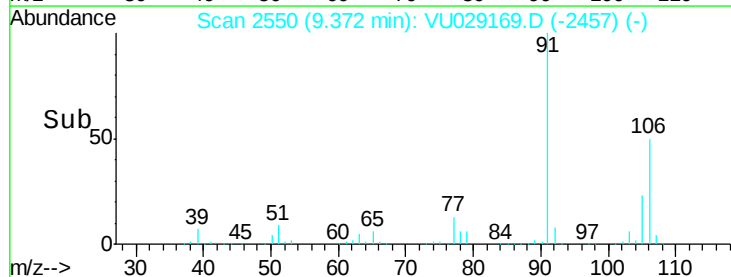
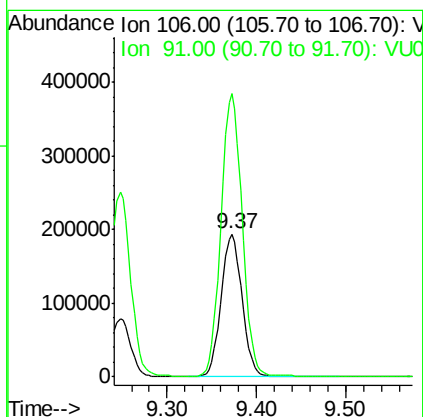
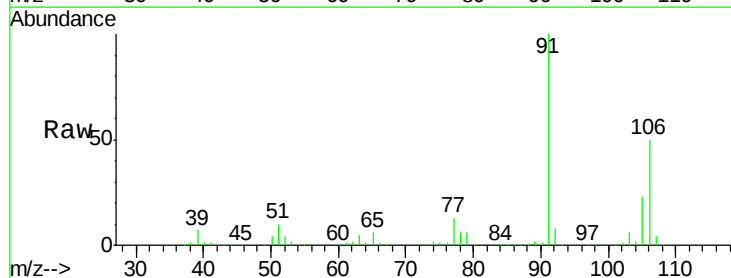
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 407688
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4



#68
m/p-Xylenes
Concen: 103.250 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 106 Resp: 317141
Ion Ratio Lower Upper
106 100
91 200.1 161.7 242.5

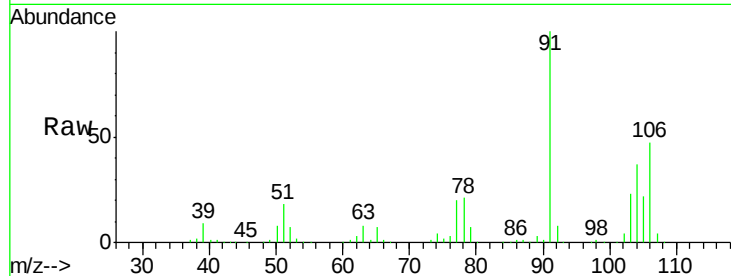




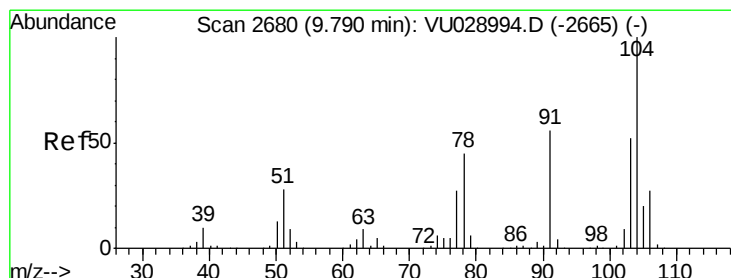
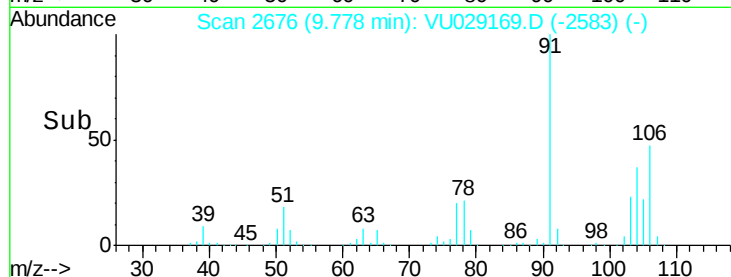
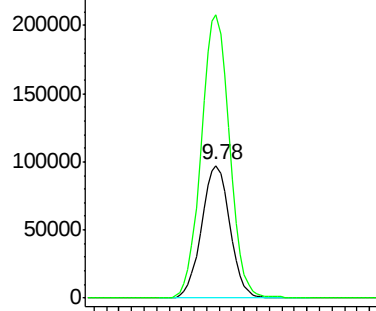
#69
o-Xylene
Concen: 51.652 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 152867
Ion Ratio Lower Upper
106 100
91 212.9 106.1 318.3

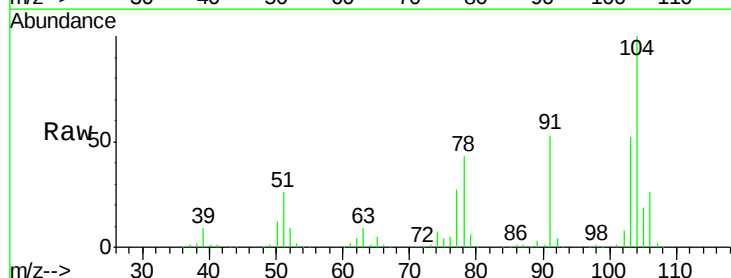


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

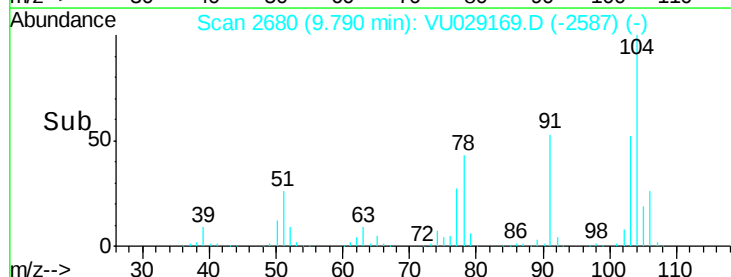
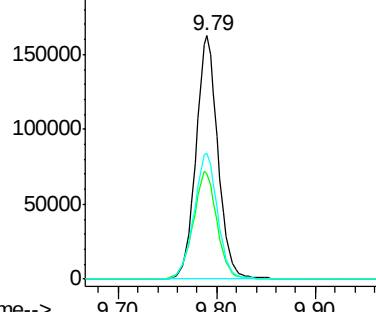


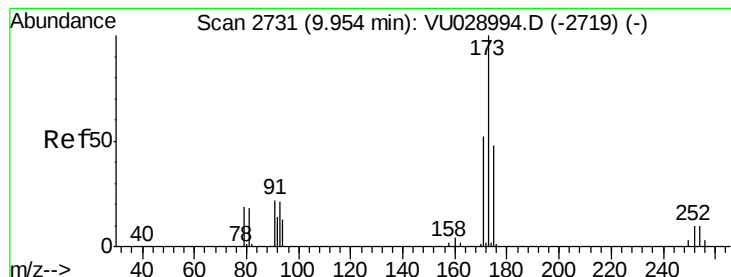
#70
Styrene
Concen: 52.451 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:104 Resp: 254478
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 55.5 44.5 66.7



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





#71

Bromoform

Concen: 51.873 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

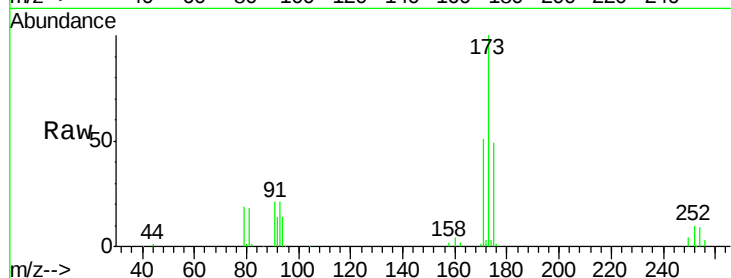
Tot Ion:173 Resp: 70973

Ion Ratio Lower Upper

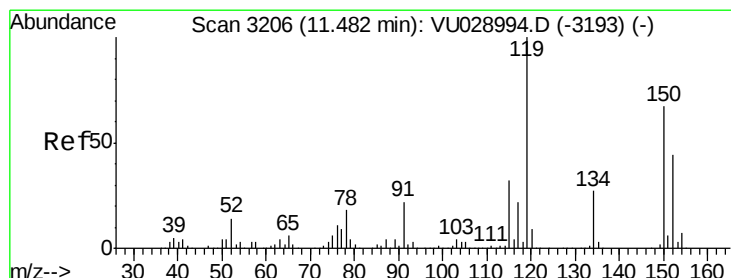
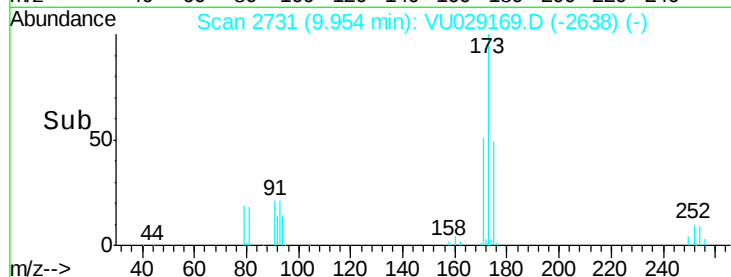
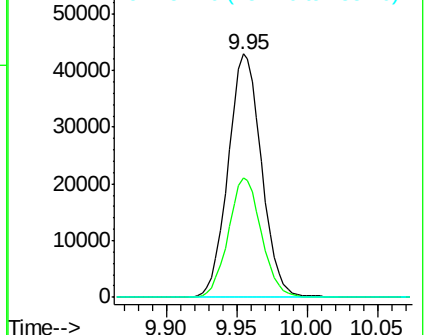
173 100

175 48.5 23.8 71.2

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

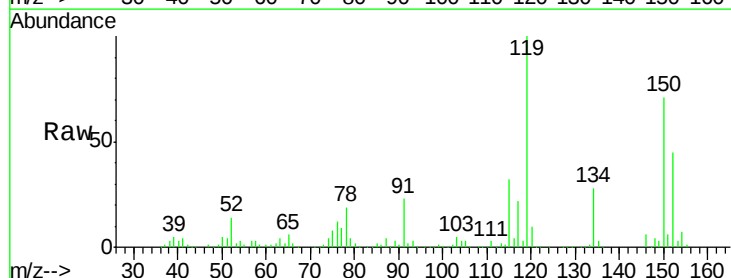
Tgt Ion:152 Resp: 107929

Ion Ratio Lower Upper

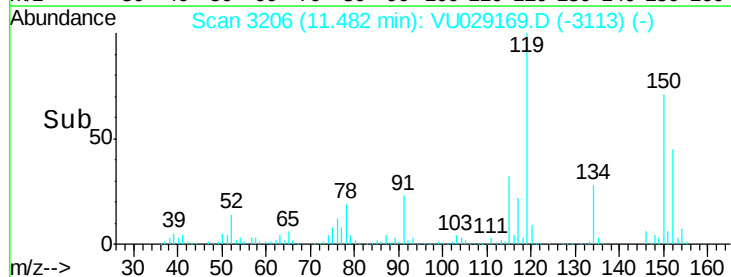
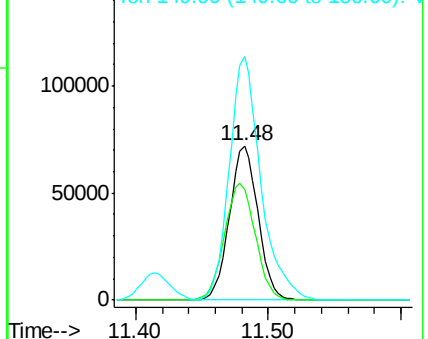
152 100

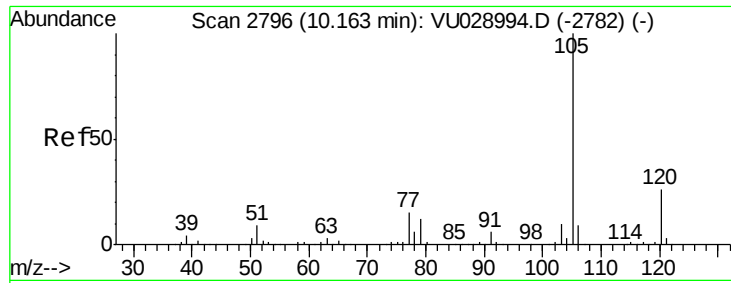
115 81.9 40.1 120.3

150 174.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.723 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

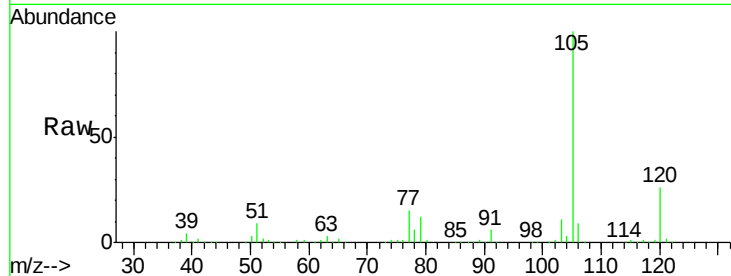
ClientSampleId :

Tot Ion:105 Resp: 405207

Ion Ratio Lower Upper

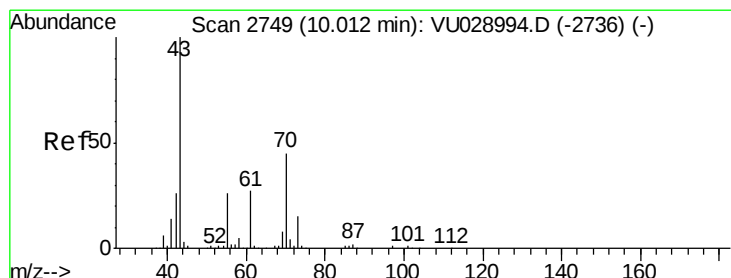
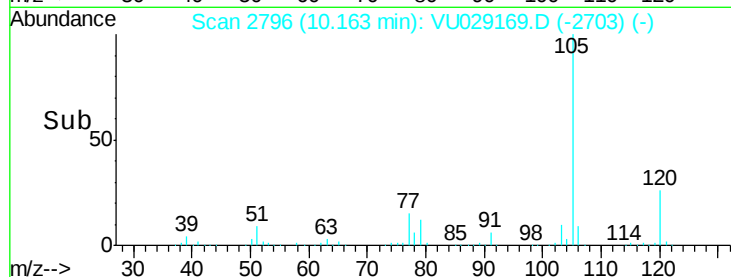
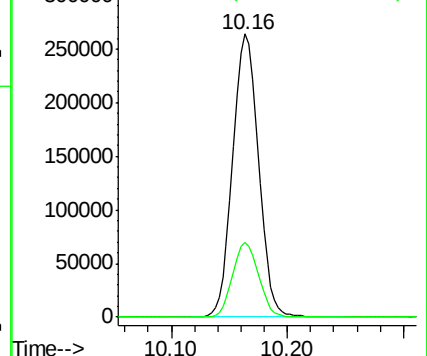
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.138 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion: 43 Resp: 169153

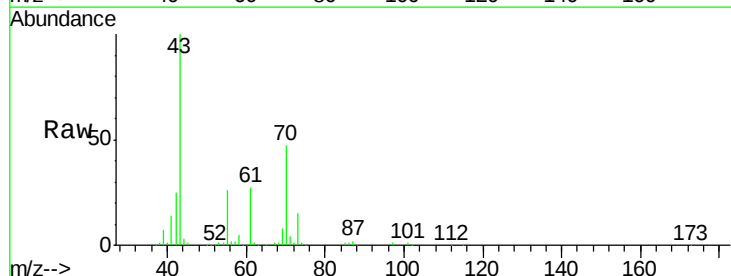
Ion Ratio Lower Upper

43 100

70 46.7 36.3 54.5

55 26.3 20.5 30.7

61 27.0 21.8 32.8

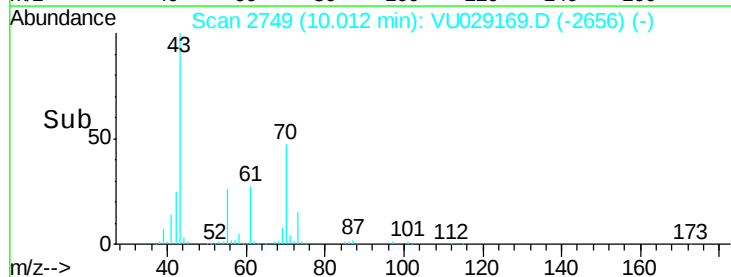
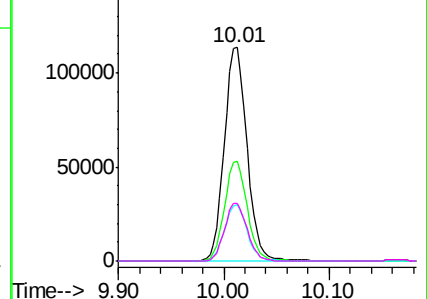


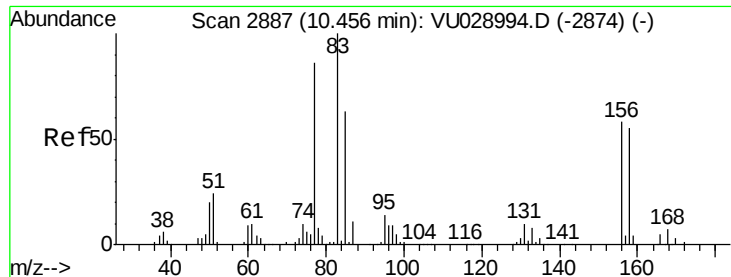
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.488 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

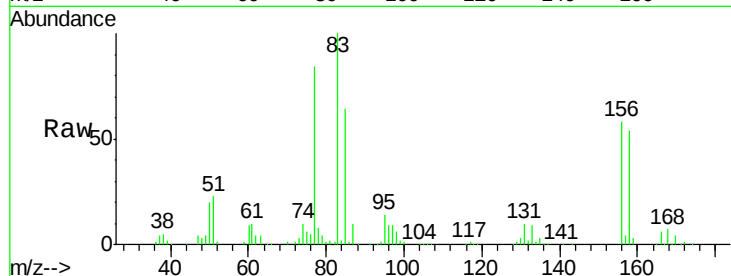
Tot Ion: 83 Resp: 155245

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.1

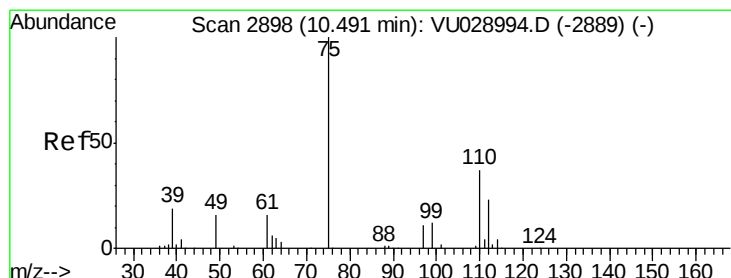
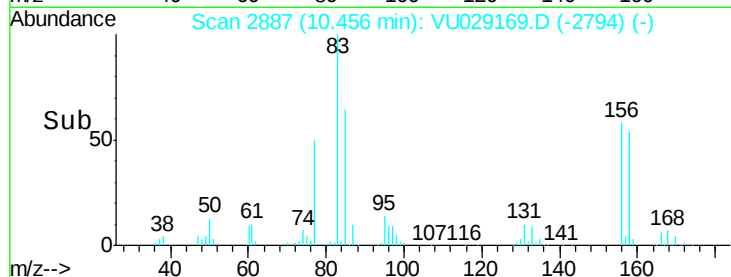
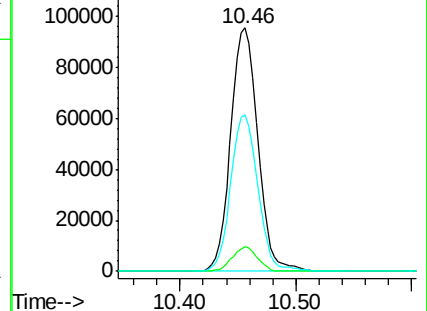
85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU029169.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU029169.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU029169.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 65.890 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029169.D

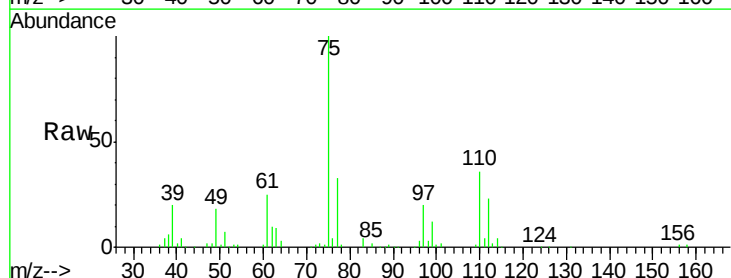
Acq: 14 Jan 2019 17:10

Tgt Ion: 75 Resp: 174241

Ion Ratio Lower Upper

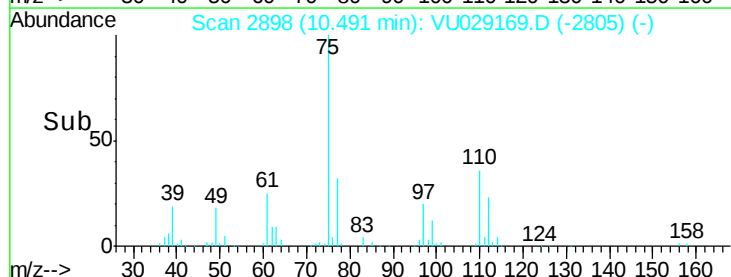
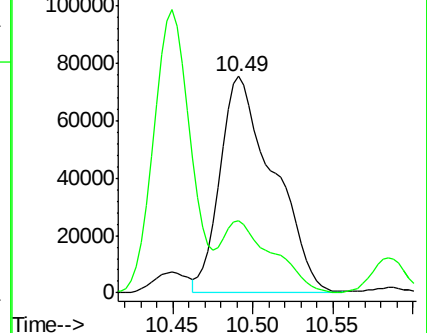
75 100

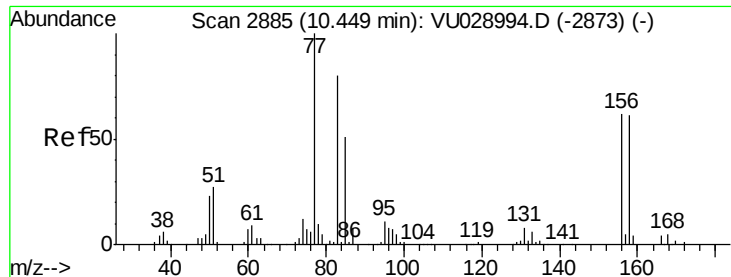
77 31.7 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU029169.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029169.D (-2805) (-)





#77

Bromobenzene

Concen: 49.484 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampled :

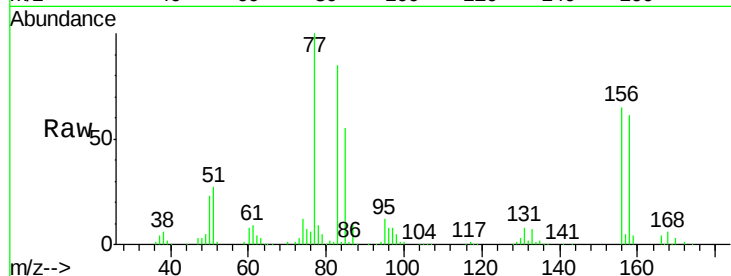
Tot Ion:156 Resp: 103018

Ion Ratio Lower Upper

156 100

77 154.5 79.0 237.2

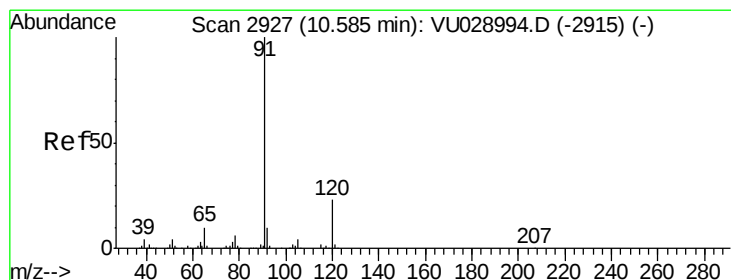
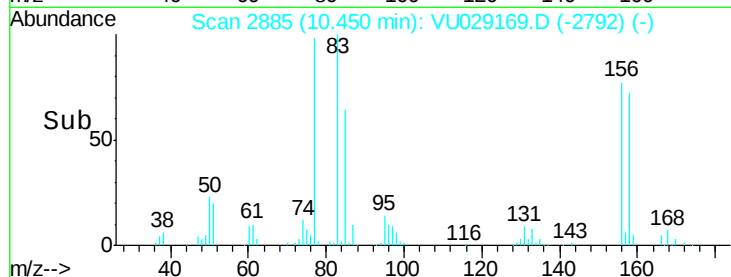
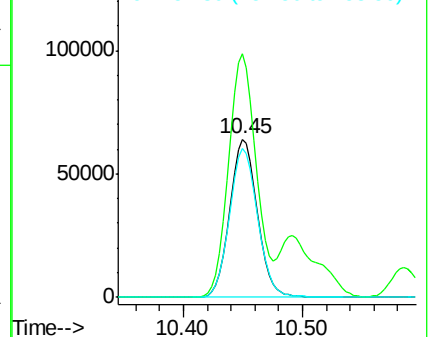
158 96.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.545 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029169.D

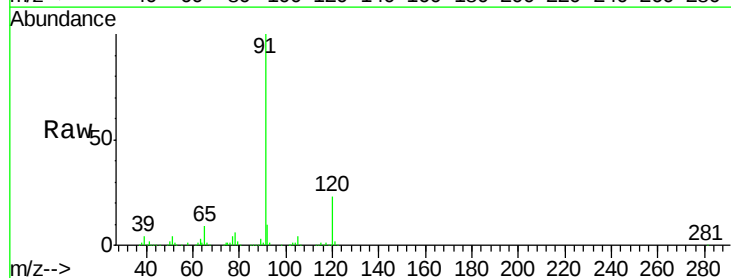
Acq: 14 Jan 2019 17:10

Tgt Ion: 91 Resp: 485271

Ion Ratio Lower Upper

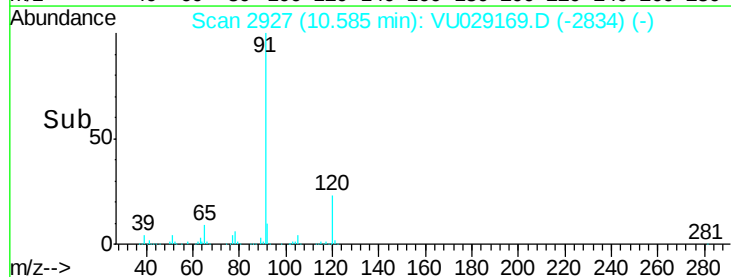
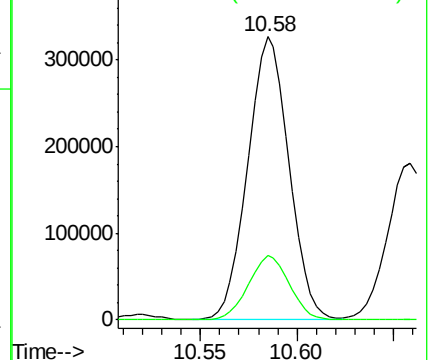
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

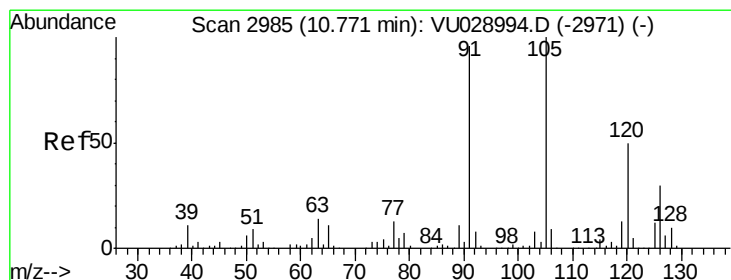
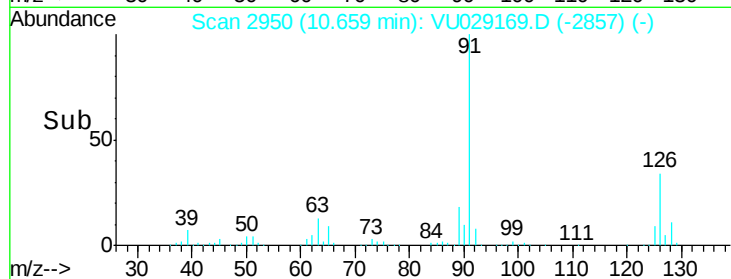
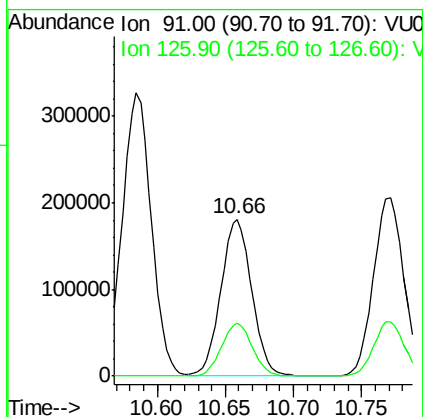
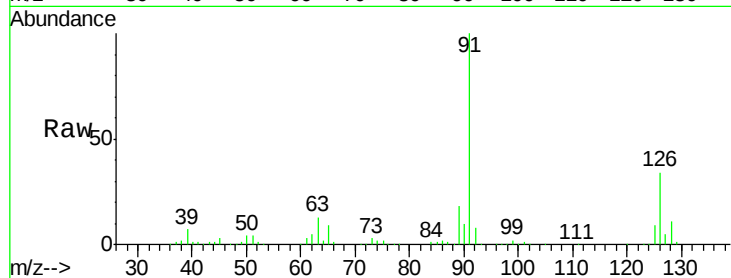




#79
2-Chlorotoluene
Concen: 49.940 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

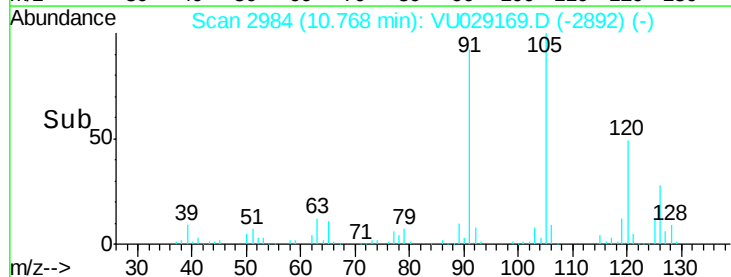
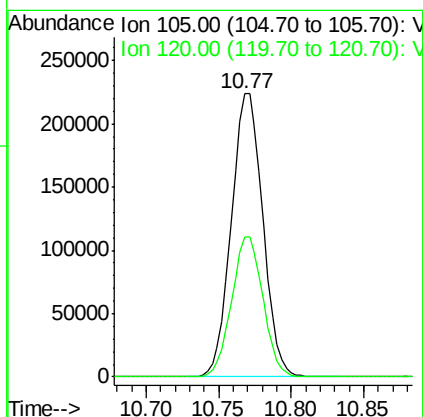
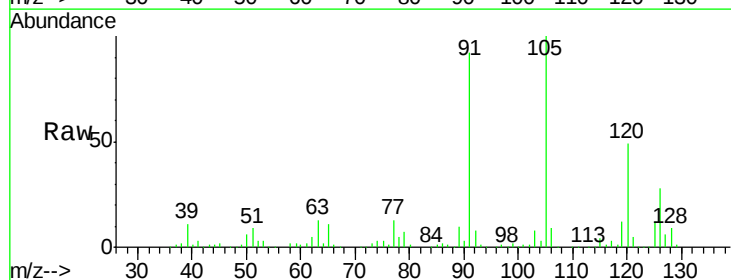
Instrument :
MSVOA_U
ClientSampled :

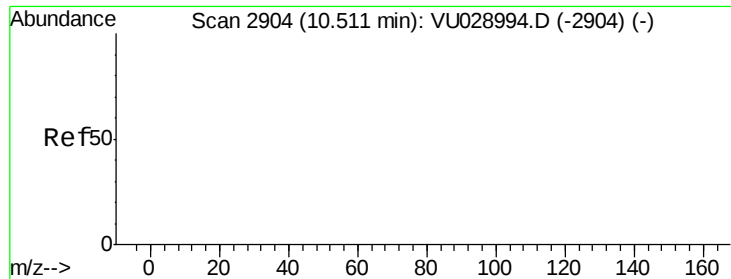
Tot Ion: 91 Resp: 285205
Ion Ratio Lower Upper
91 100
126 33.7 16.8 50.4



#80
1,3,5-Trimethylbenzene
Concen: 50.547 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 105 Resp: 337204
Ion Ratio Lower Upper
105 100
120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 169.933 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

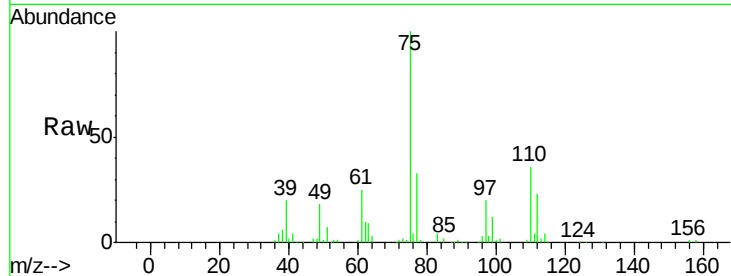
Tot Ion: 75 Resp: 174241

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

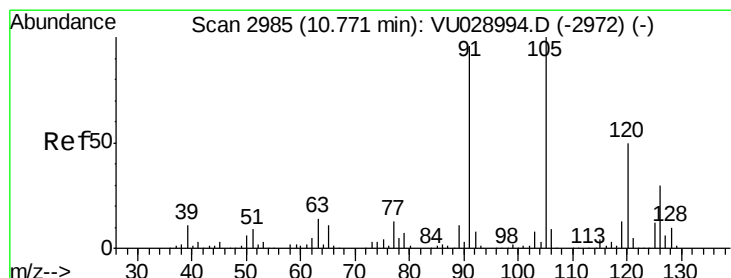
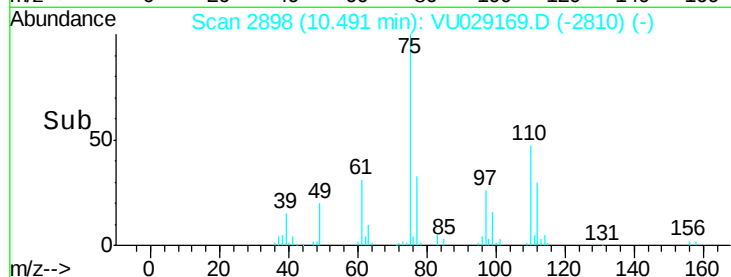
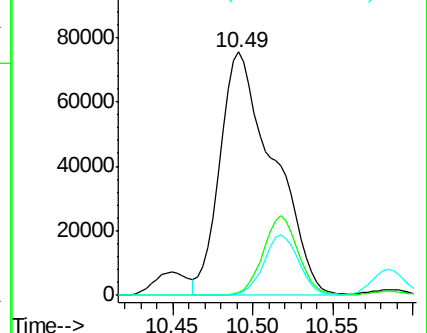
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 48.800 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029169.D

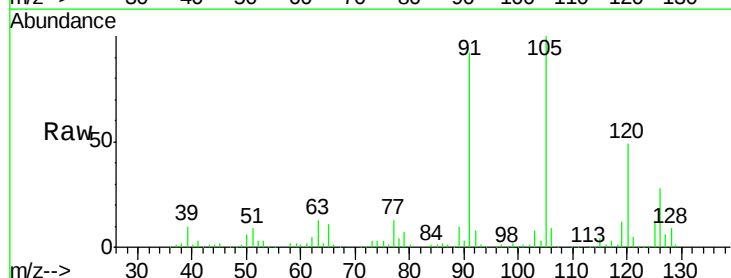
Acq: 14 Jan 2019 17:10

Tgt Ion: 91 Resp: 319569

Ion Ratio Lower Upper

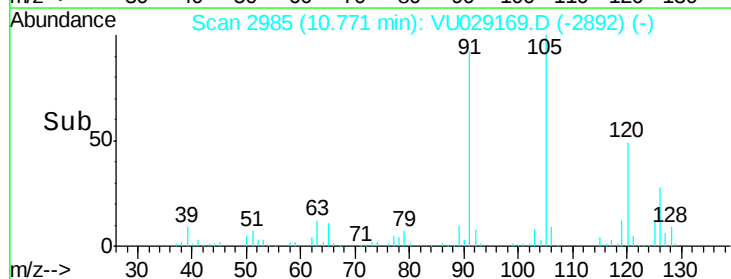
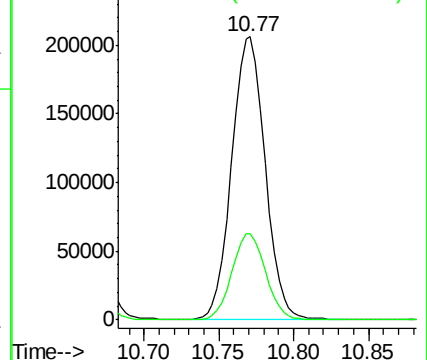
91 100

126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

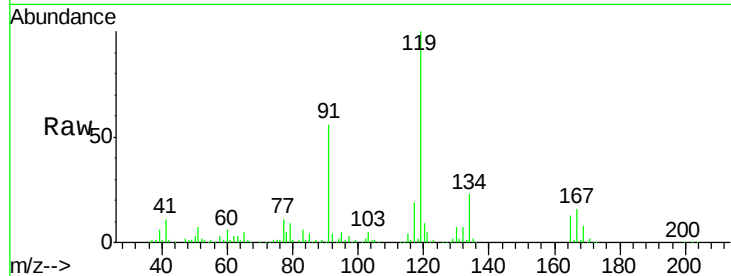




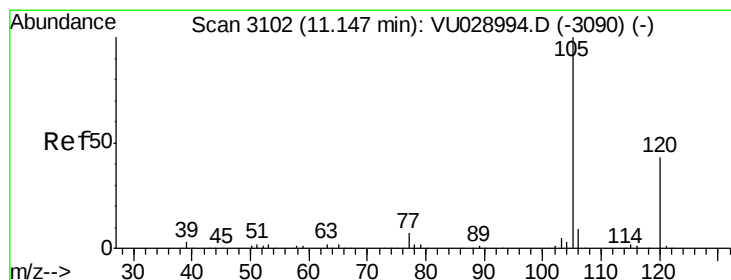
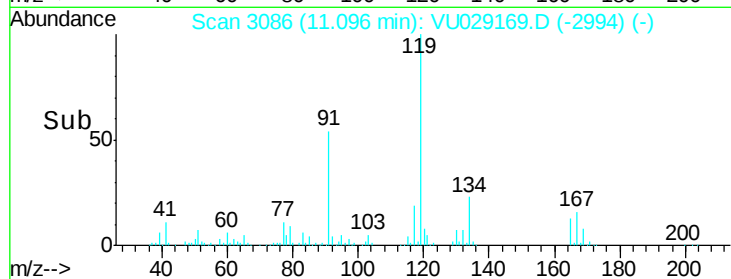
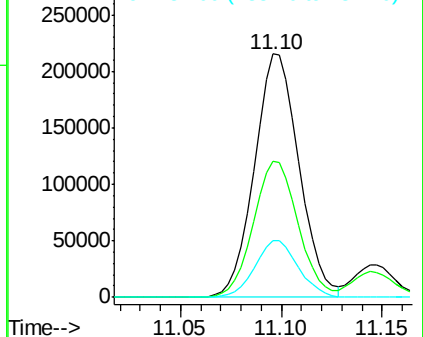
#83
tert-Butylbenzene
Concen: 50.587 ug/l
RT: 11.10 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 332624
Ion Ratio Lower Upper
119 100
91 55.8 28.2 84.6
134 22.7 11.3 33.8

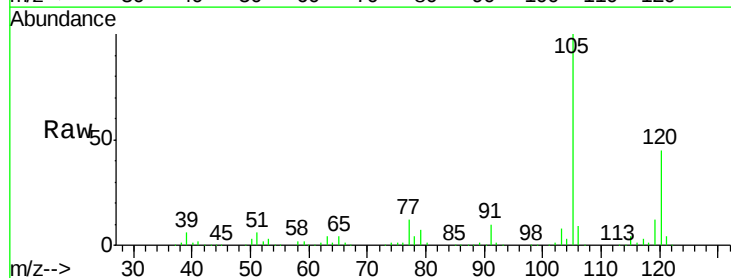


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

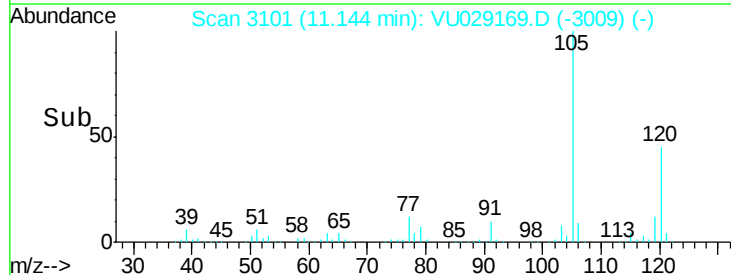
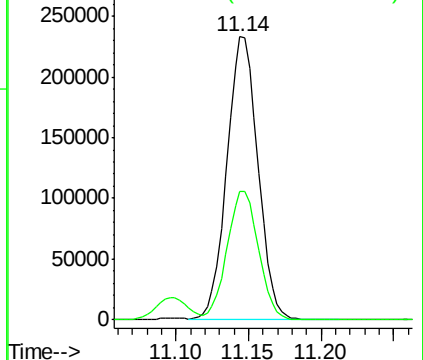


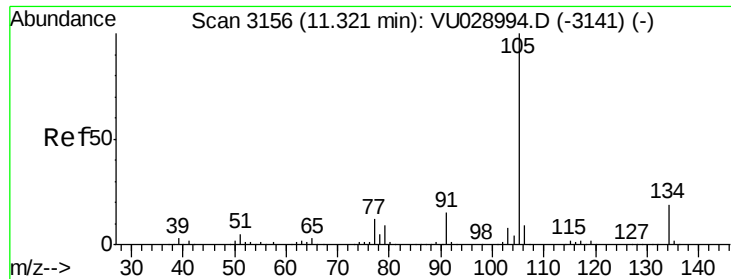
#84
1,2,4-Trimethylbenzene
Concen: 51.880 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:105 Resp: 345541
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.3



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

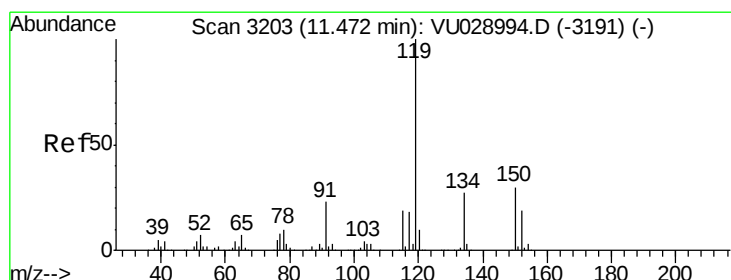
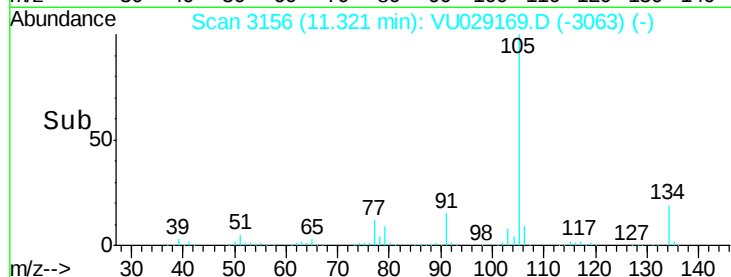
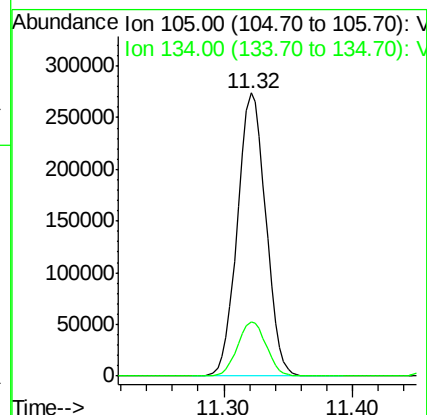
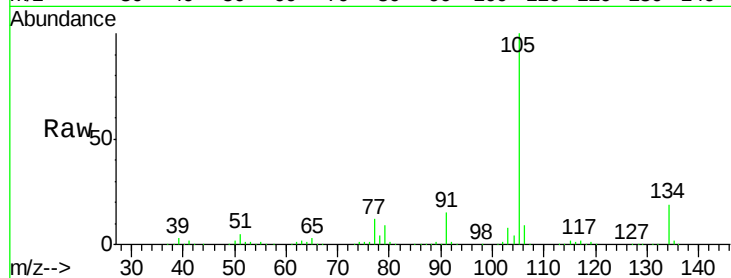




#85
 sec-Butylbenzene
 Concen: 52.629 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

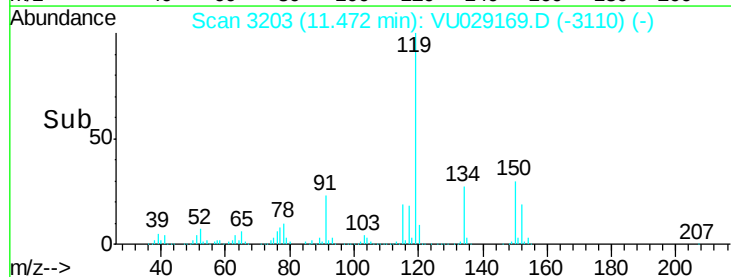
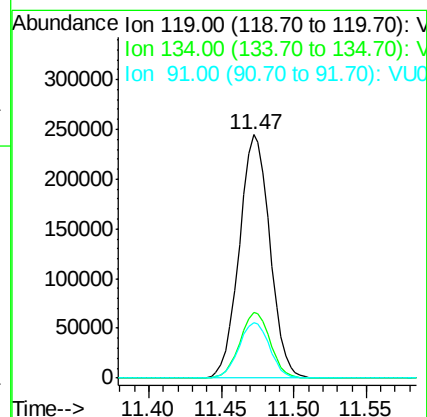
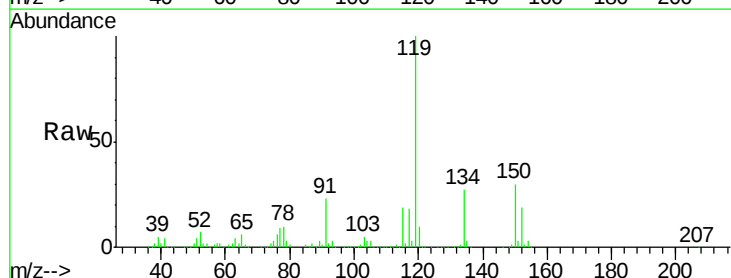
Instrument :
 MSVOA_U
 ClientSampleId :

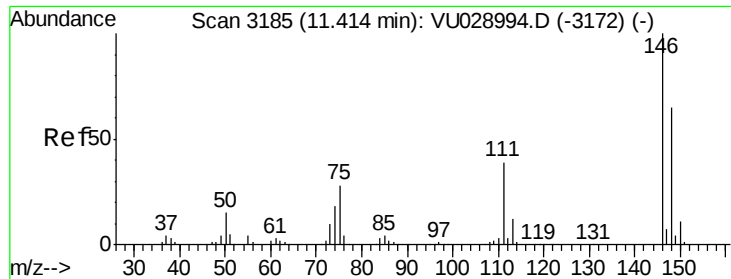
Tot Ion:105 Resp: 418514
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 52.705 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion:119 Resp: 357137
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.4
 91 23.1 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.017 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampled :

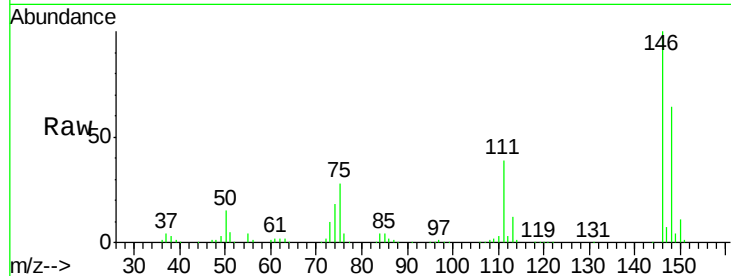
Tot Ion:146 Resp: 187172

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.8

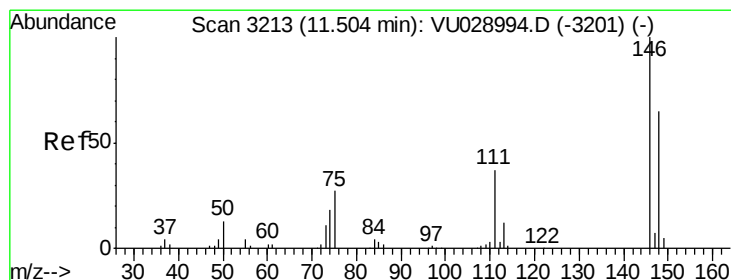
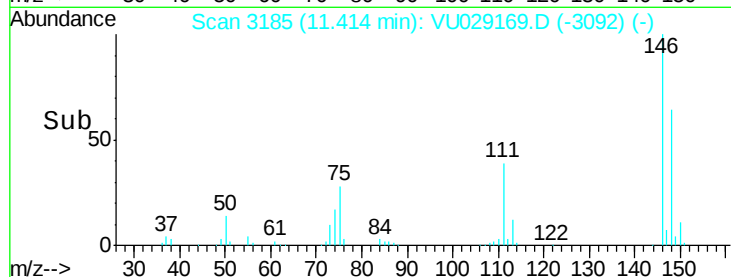
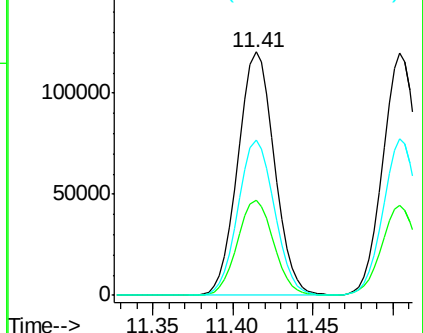
148 63.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.335 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

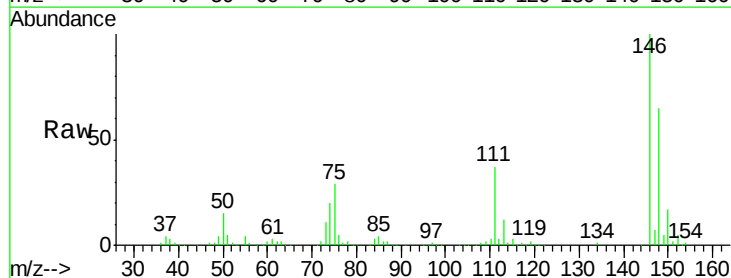
Tgt Ion:146 Resp: 186578

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.3

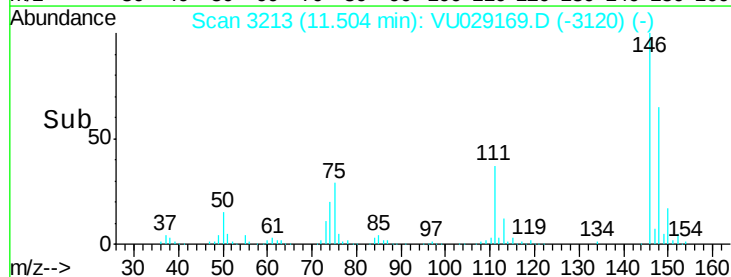
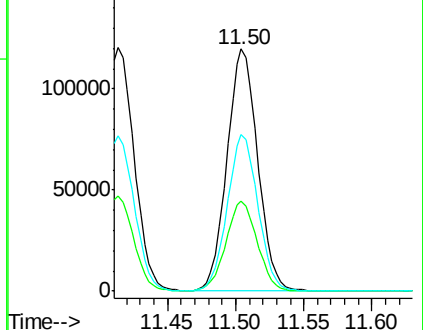
148 64.6 32.6 98.0

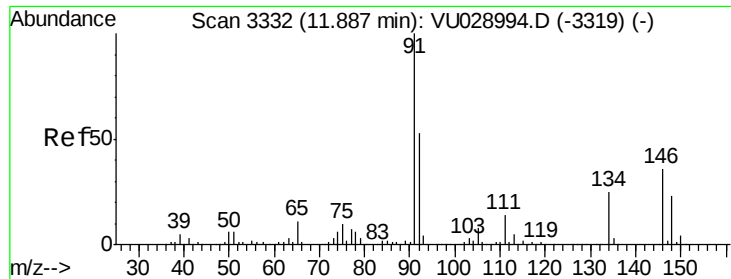


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

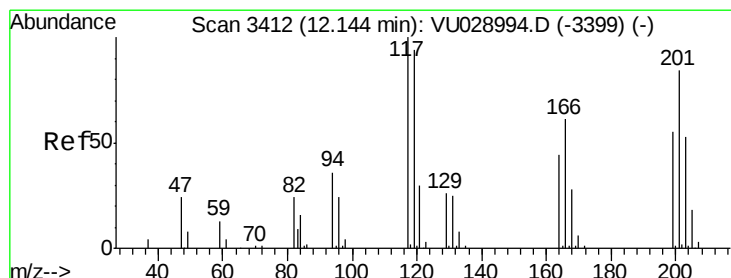
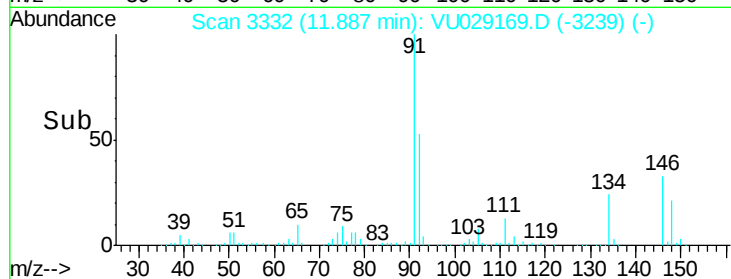
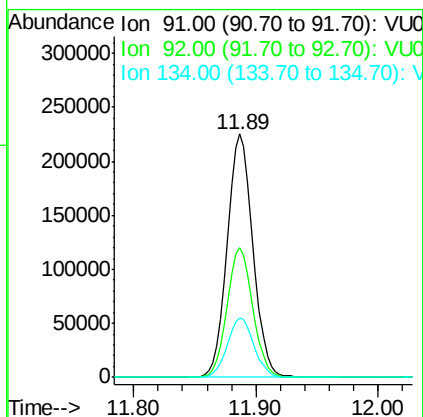
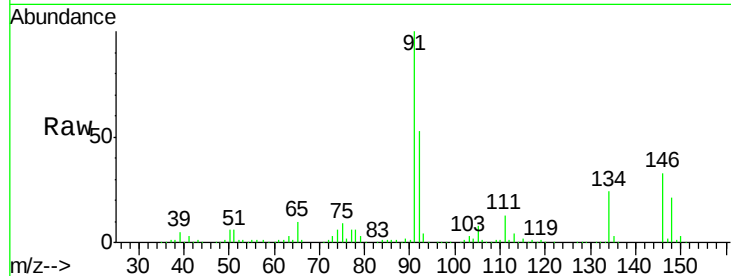




#89
n-Butylbenzene
Concen: 55.217 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

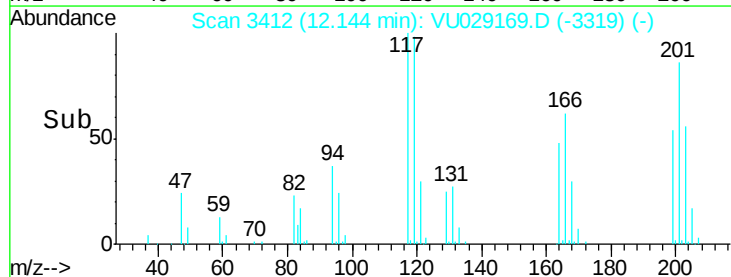
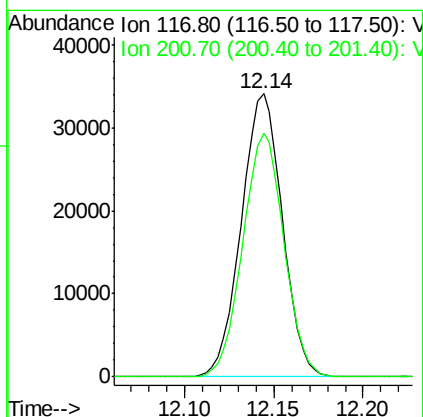
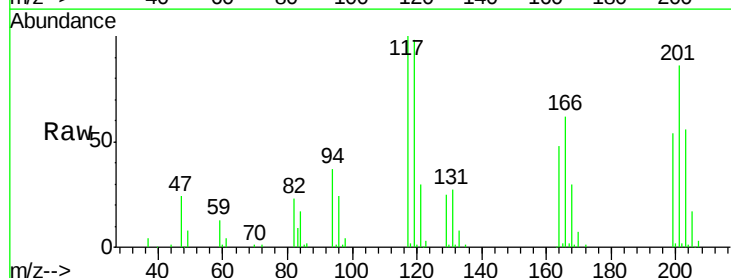
Instrument :
MSVOA_U
ClientSampleId :

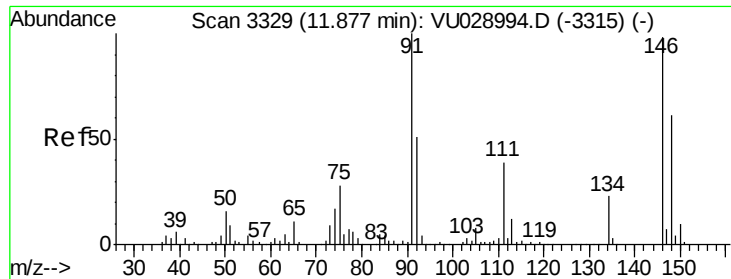
Tot Ion: 91 Resp: 333950
Ion Ratio Lower Upper
91 100
92 53.1 26.2 78.5
134 25.0 12.6 37.6



#90
Hexachloroethane
Concen: 48.217 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 117 Resp: 54965
Ion Ratio Lower Upper
117 100
201 86.2 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 48.227 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

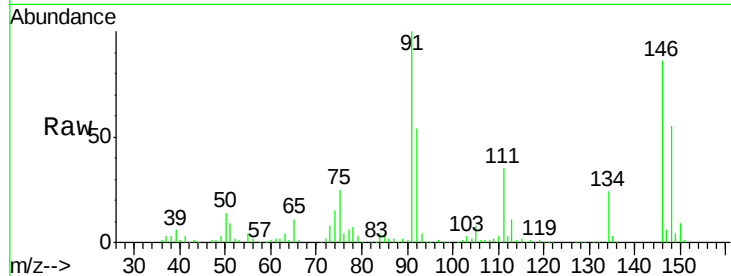
Tot Ion:146 Resp: 185489

Ion Ratio Lower Upper

146 100

111 40.3 20.0 59.9

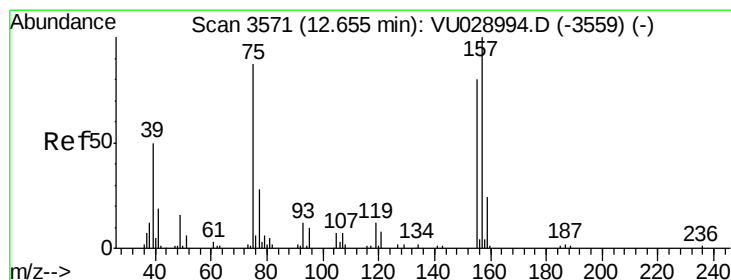
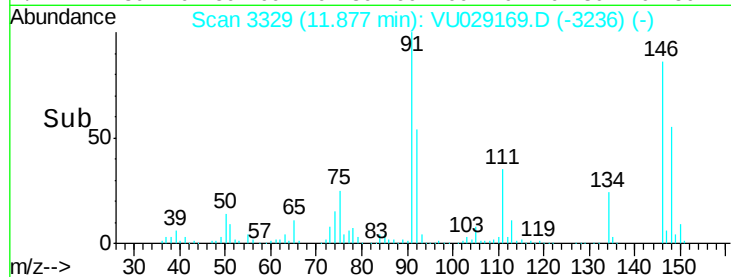
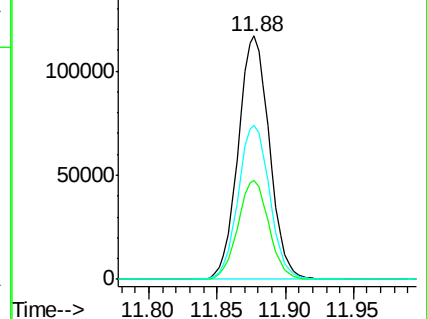
148 63.8 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.424 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

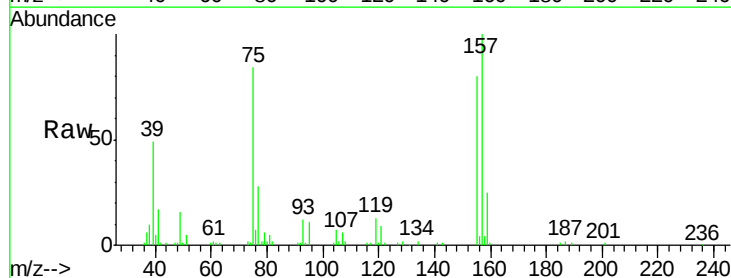
Tgt Ion: 75 Resp: 31667

Ion Ratio Lower Upper

75 100

155 93.4 46.3 138.8

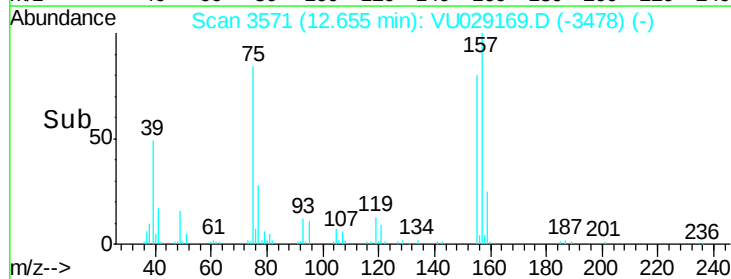
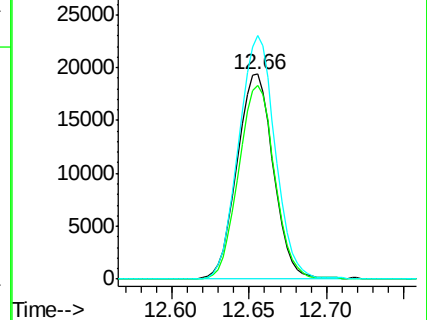
157 119.2 57.4 172.0

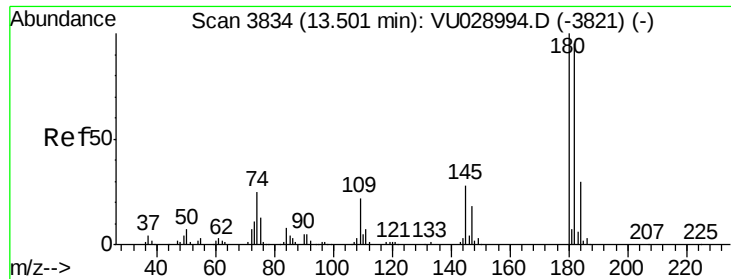


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

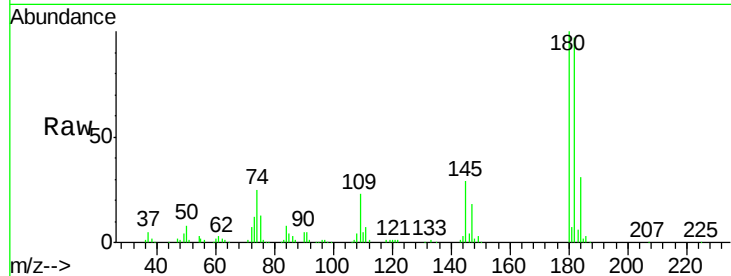




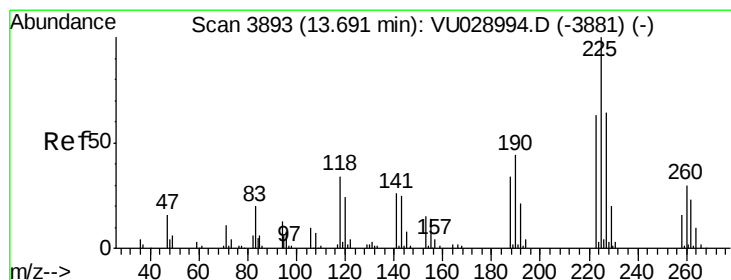
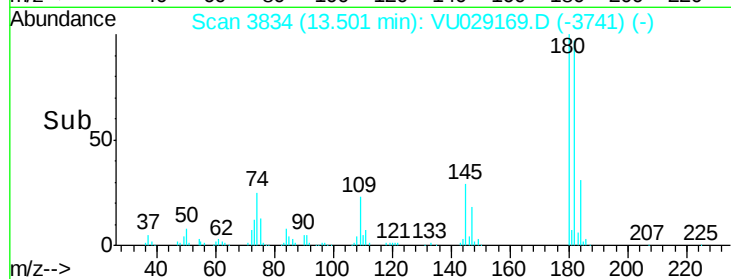
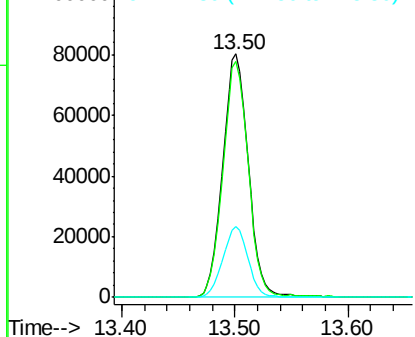
#93
 1,2,4-Trichlorobenzene
 Concen: 51.577 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 126632
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.5 142.6
 145 28.4 14.0 42.0

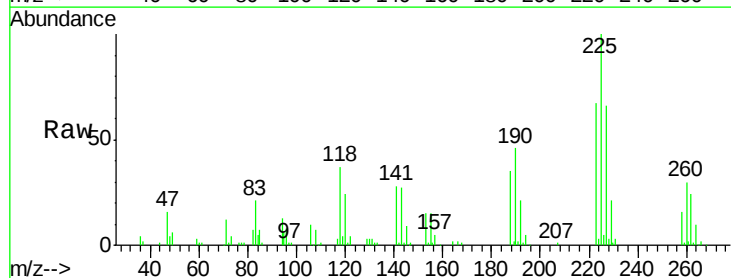


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

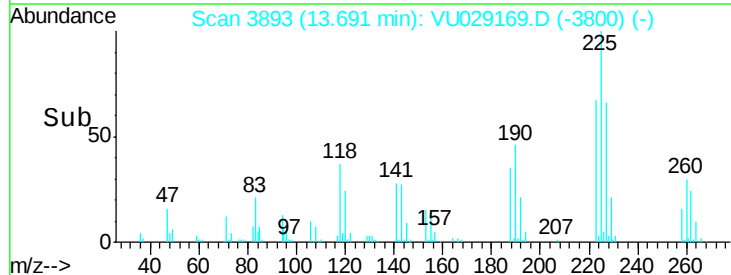
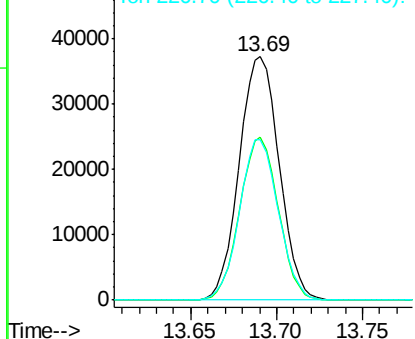


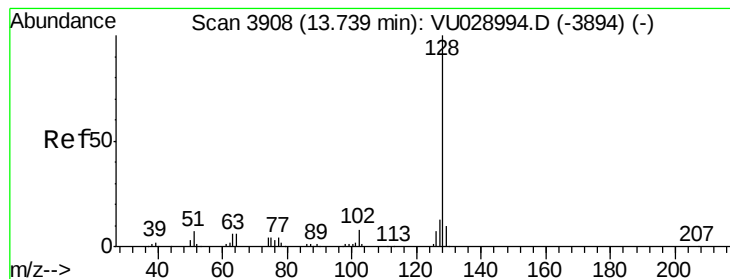
#94
 Hexachlorobutadiene
 Concen: 53.691 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion:225 Resp: 60294
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.0
 227 64.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.924 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

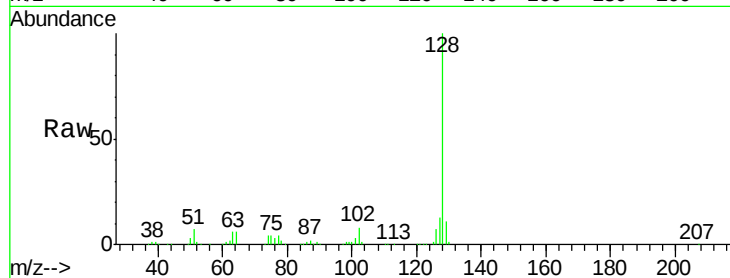
Tot Ion:128 Resp: 416965

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

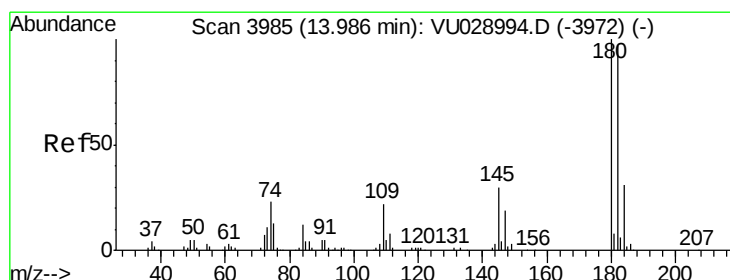
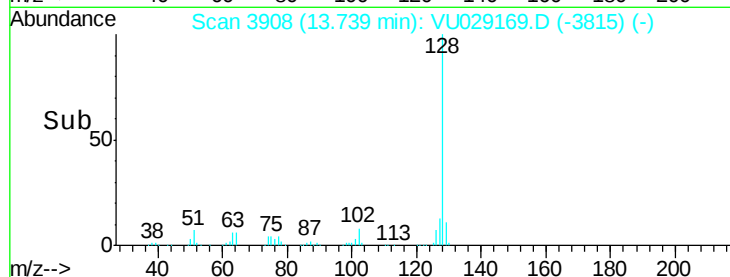
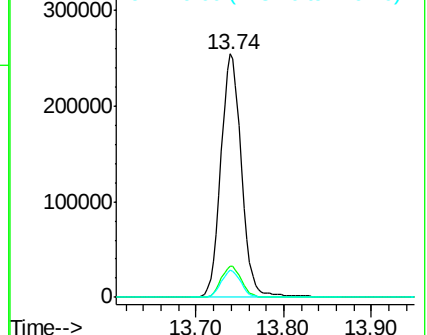
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.397 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

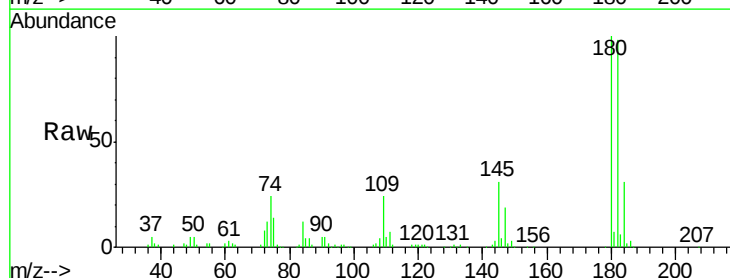
Tgt Ion:180 Resp: 127394

Ion Ratio Lower Upper

180 100

182 97.4 48.1 144.3

145 30.6 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

