

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029102.D
 Acq On : 09 Jan 2019 20:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:08:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	185444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	73017	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	4.88	113	61089	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	7.56	98	236196	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	10.30	95	84387	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	54917	49.781	ug/l	99
3) Chloromethane	1.33	50	85562	48.574	ug/l	99
4) Vinyl Chloride	1.40	62	81808	50.322	ug/l	97
5) Bromomethane	1.61	94	42383	50.755	ug/l	100
6) Chloroethane	1.69	64	48492	50.078	ug/l	99
7) Trichlorofluoromethane	1.88	101	85972	48.532	ug/l	100
8) Diethyl Ether	2.10	74	40642	47.755	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	57619	48.612	ug/l	99
10) Methyl Iodide	2.41	142	60066	53.895	ug/l	99
11) Tert butyl alcohol	2.83	59	91741	262.463	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57559	49.891	ug/l	97
13) Acrolein	2.19	56	62527	238.229	ug/l	99
14) Allyl chloride	2.59	41	99058	46.795	ug/l	92
15) Acrylonitrile	2.93	53	235724	274.885	ug/l	99
16) Acetone	2.32	43	185129	213.706	ug/l	99
17) Carbon Disulfide	2.47	76	180485	47.212	ug/l	99
18) Methyl Acetate	2.61	43	116987	58.080	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	203181	50.092	ug/l	99
20) Methylene Chloride	2.70	84	72033	48.975	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	63808	47.604	ug/l	95
22) Diisopropyl ether	3.57	45	224796	53.731	ug/l	97
23) Vinyl Acetate	3.52	43	933736	273.006	ug/l	99
24) 1,1-Dichloroethane	3.44	63	126764	52.487	ug/l	99
25) 2-Butanone	4.26	43	314581	268.864	ug/l	100
26) 2,2-Dichloropropane	4.22	77	90712	46.484	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	74176	50.597	ug/l	99
28) Bromochloromethane	4.55	49	55173	53.351	ug/l	95
29) Tetrahydrofuran	4.64	42	200738	282.871	ug/l	98
30) Chloroform	4.67	83	121351	52.753	ug/l	98
31) Cyclohexane	4.99	56	114799	50.362	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	97083	51.076	ug/l	99
36) 1,1-Dichloropropene	5.13	75	89022	48.027	ug/l	99
37) Ethyl Acetate	4.38	43	111739	54.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	78408	50.717	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	107897	47.349	ug/l	100
40) Benzene	5.39	78	287767	49.771	ug/l	100
41) Methacrylonitrile	4.54	41	60727	55.759	ug/l	98
42) 1,2-Dichloroethane	5.40	62	91818	52.848	ug/l	100
43) Isopropyl Acetate	5.55	43	169254	54.229	ug/l	99
44) Trichloroethene	6.18	130	67093	46.833	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78892	51.669	ug/l	98
46) Dibromomethane	6.56	93	49373	50.583	ug/l	99
47) Bromodichloromethane	6.76	83	92618	51.537	ug/l	98
48) Methyl methacrylate	6.62	41	86596	56.981	ug/l	97
49) 1,4-Dioxane	6.61	88	38947	1081.394	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	591140	278.303	ug/l	99
52) Toluene	7.64	92	173218	49.212	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	106794	49.469	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118692	50.881	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	71570	50.755	ug/l	98
56) Ethyl methacrylate	8.02	69	112925	51.981	ug/l	97
57) 1,3-Dichloropropane	8.24	76	124797	51.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	272029	284.731	ug/l	99
59) 2-Hexanone	8.36	43	458842	275.195	ug/l	98
60) Dibromochloromethane	8.48	129	69932	50.058	ug/l	97
61) 1,2-Dibromoethane	8.58	107	78353	51.233	ug/l	98
64) Tetrachloroethene	8.22	164	58464	47.208	ug/l	95
65) Chlorobenzene	9.12	112	185924	48.246	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64673	51.714	ug/l	99
67) Ethyl Benzene	9.25	91	320833	49.866	ug/l	99
68) m/p-Xylenes	9.37	106	253314	101.331	ug/l	99
69) o-Xylene	9.78	106	123457	51.254	ug/l	99
70) Styrene	9.79	104	201858	51.120	ug/l	99
71) Bromoform	9.95	173	57457	51.598	ug/l #	98
73) Isopropylbenzene	10.16	105	316119	48.099	ug/l	99
74) N-amyl acetate	10.01	43	150267	53.059	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	130437	49.519	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	148930	68.455	ug/l	83
77) Bromobenzene	10.45	156	80900	47.234	ug/l	99
78) n-propylbenzene	10.58	91	385348	49.752	ug/l	99
79) 2-Chlorotoluene	10.66	91	226022	48.106	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	272033	49.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	148930	176.549	ug/l #	100
82) 4-Chlorotoluene	10.77	91	256363	47.585	ug/l	99
83) tert-Butylbenzene	11.10	119	264060	48.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	273086	49.837	ug/l	100
85) sec-Butylbenzene	11.32	105	324379	49.582	ug/l	99
86) p-Isopropyltoluene	11.48	119	278336	49.927	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	145908	46.445	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	148680	45.849	ug/l	99
89) n-Butylbenzene	11.89	91	258001	51.852	ug/l	100
90) Hexachloroethane	12.14	117	46811	49.914	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	146962	46.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26693	52.688	ug/l	98

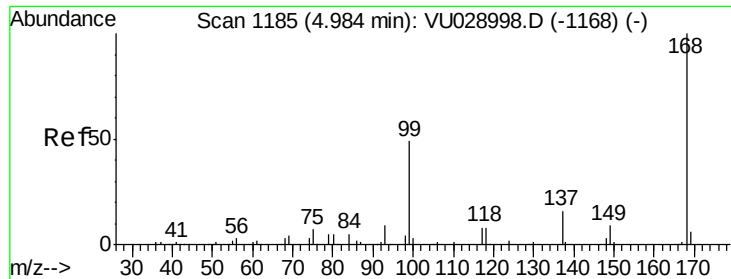
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96351	47.701	ug/l	100
94) Hexachlorobutadiene	13.69	225	46197	50.003	ug/l	98
95) Naphthalene	13.74	128	331191	48.199	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	100173	48.202	ug/l	100

(#) = 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: VU029102.D

Acq: 09 Jan 2019 20:16

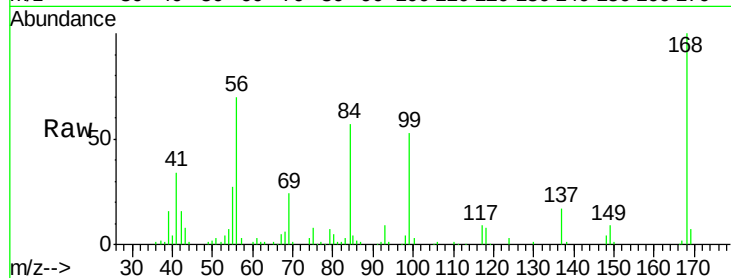
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 111239

Ion Ratio Lower Upper

168 100

99 53.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

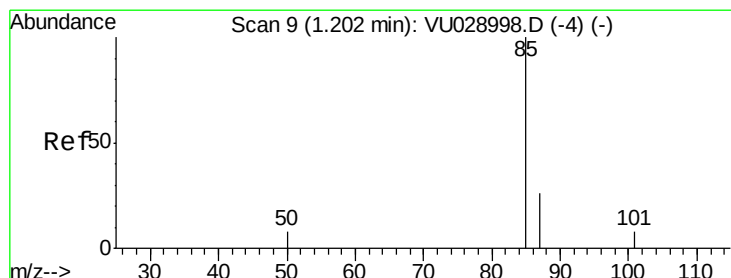
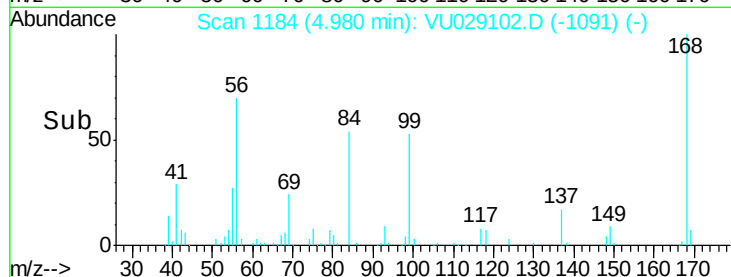
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.781 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029102.D

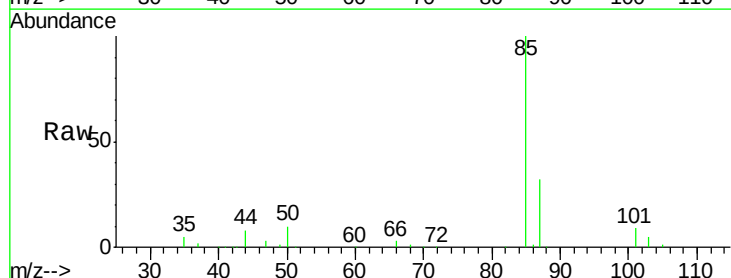
Acq: 09 Jan 2019 20:16

Tgt Ion: 85 Resp: 54917

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

60000

50000

40000

30000

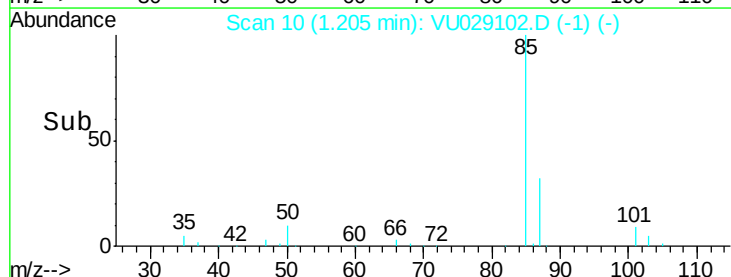
20000

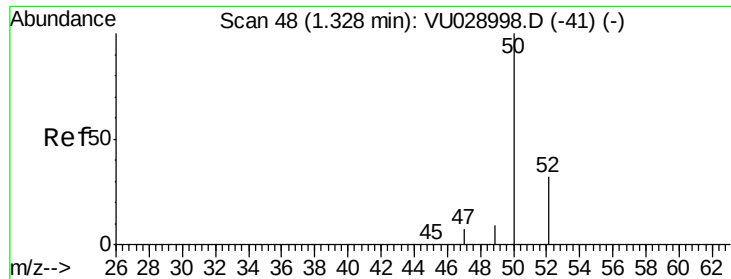
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.574 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

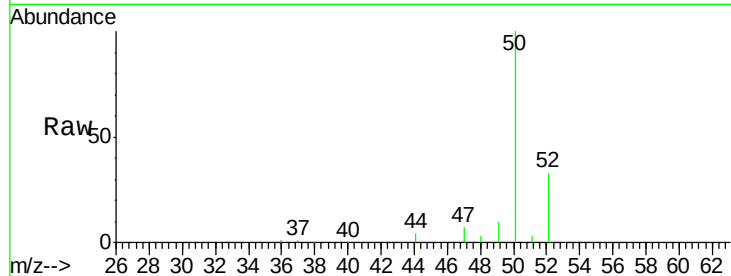
ClientSampleId :

Tot Ion: 50 Resp: 85562

Ion Ratio Lower Upper

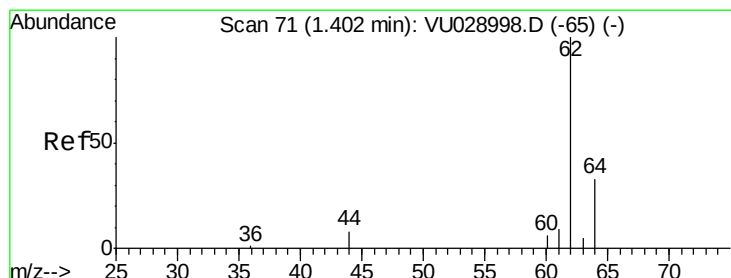
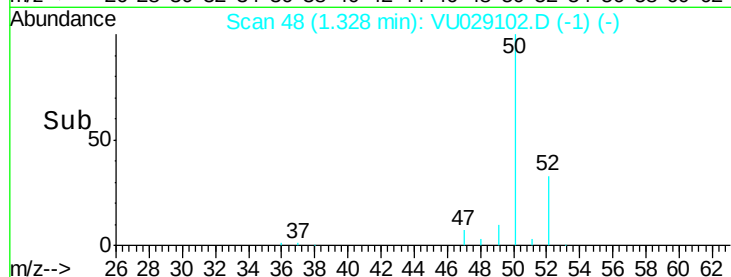
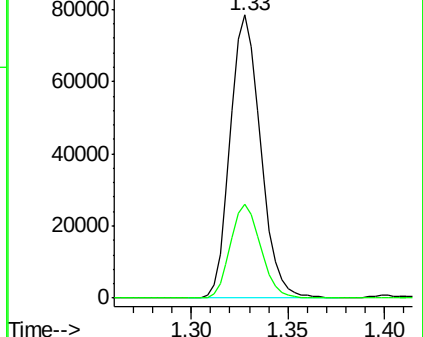
50 100

52 33.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU029102.D (-1) (-)



#4

Vinyl Chloride

Concen: 50.322 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029102.D

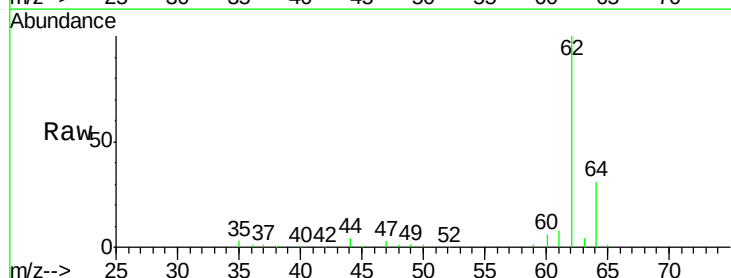
Acq: 09 Jan 2019 20:16

Tgt Ion: 62 Resp: 81808

Ion Ratio Lower Upper

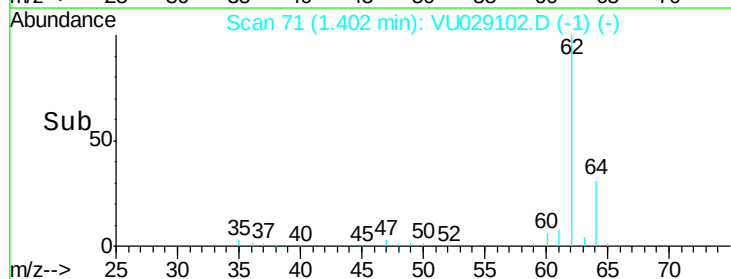
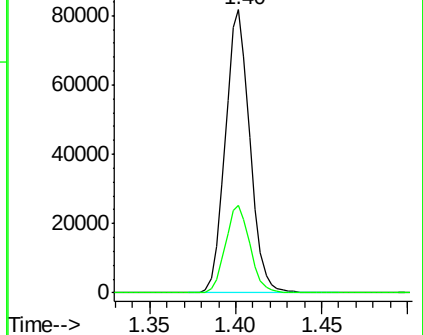
62 100

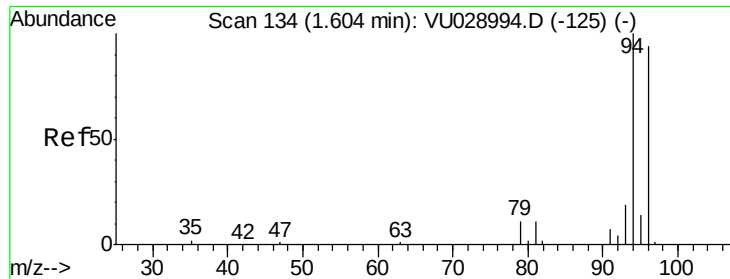
64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU028998.D (-65) (-)

Ion 63.90 (63.60 to 64.60): VU029102.D (-1) (-)





#5

Bromomethane

Concen: 50.755 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

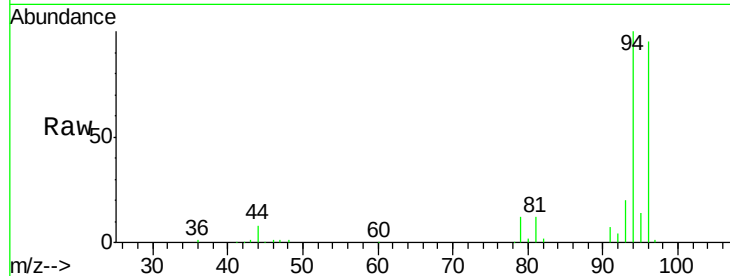
ClientSampleId :

Tot Ion: 94 Resp: 42383

Ion Ratio Lower Upper

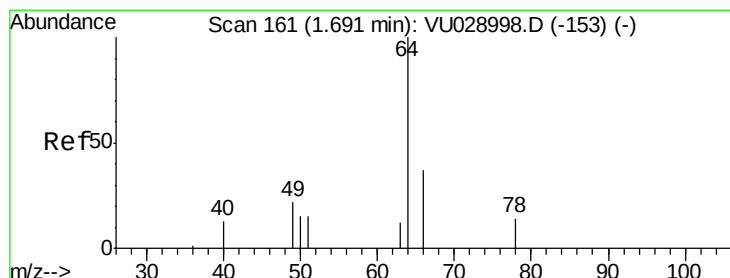
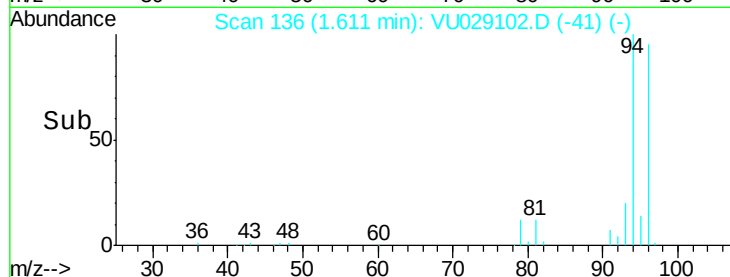
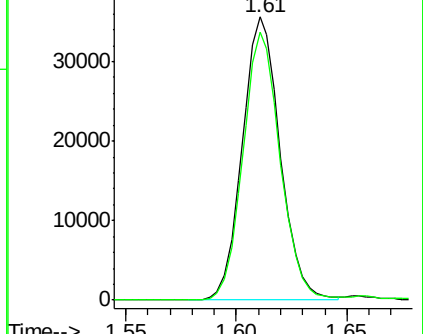
94 100

96 94.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.078 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029102.D

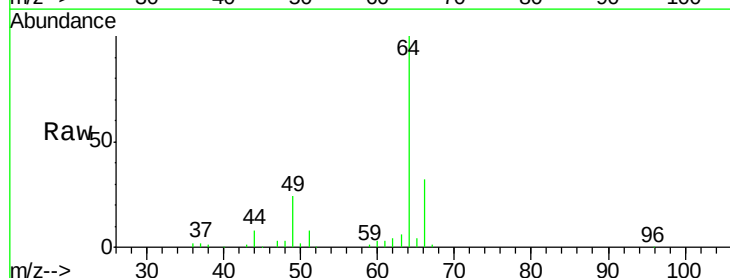
Acq: 09 Jan 2019 20:16

Tgt Ion: 64 Resp: 48492

Ion Ratio Lower Upper

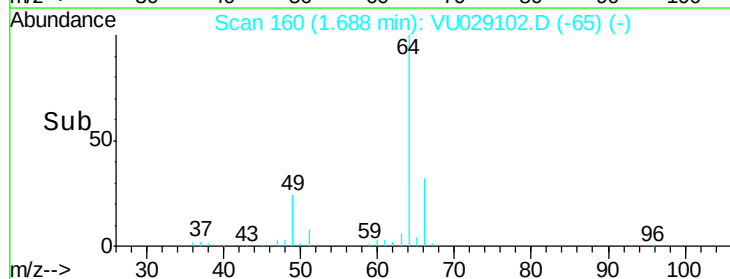
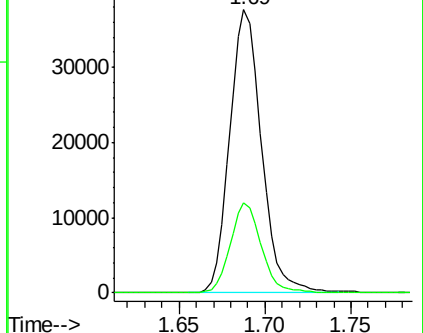
64 100

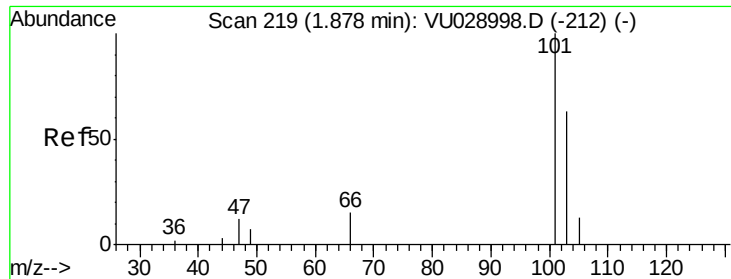
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



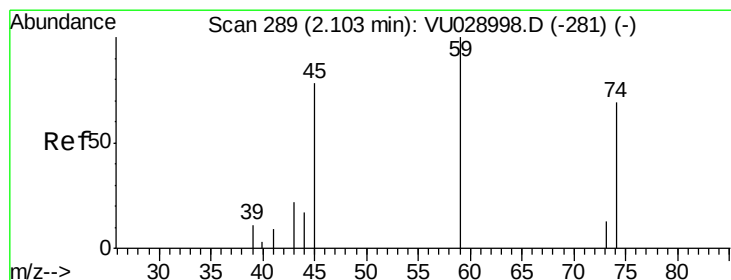
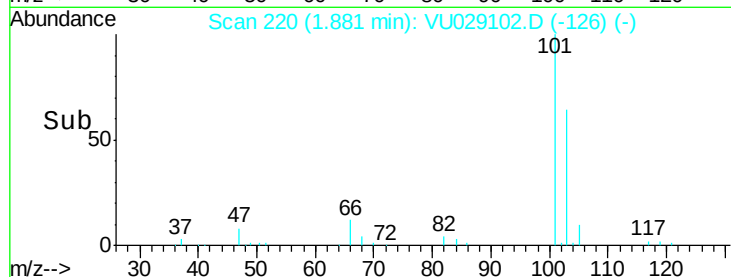
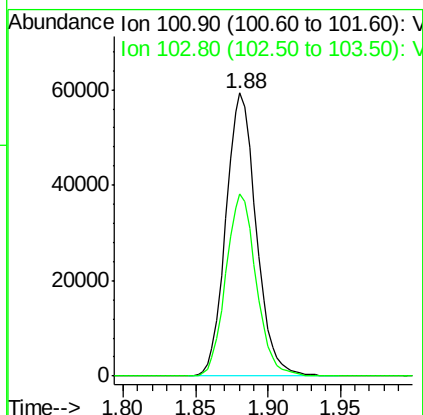
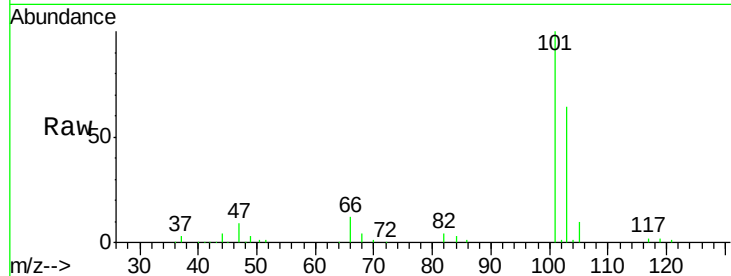


#7

Trichlorofluoromethane
 Concen: 48.532 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :

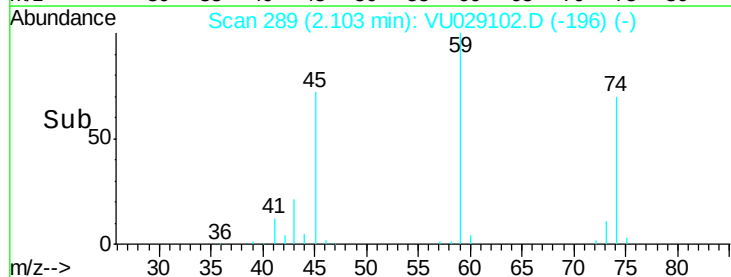
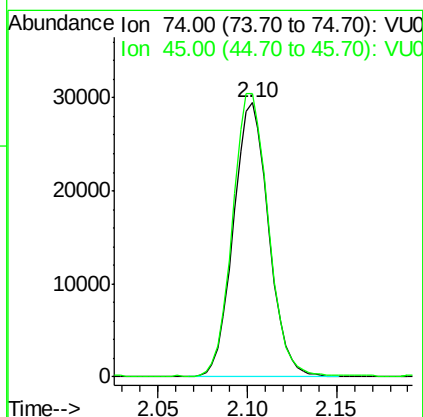
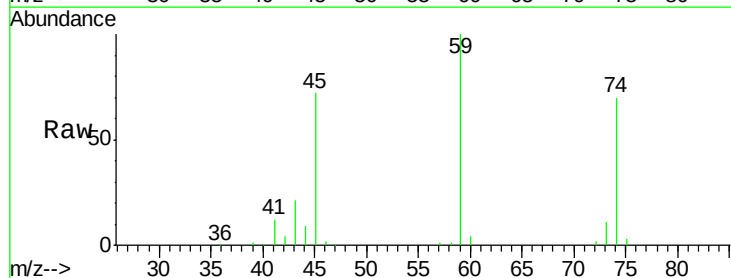
Tot Ion:101 Resp: 85972
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

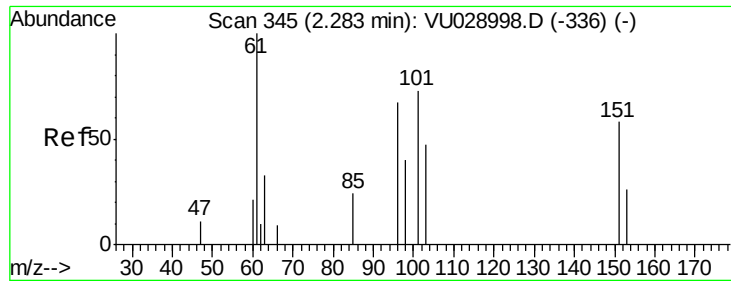


#8

Diethyl Ether
 Concen: 47.755 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 74 Resp: 40642
 Ion Ratio Lower Upper
 74 100
 45 105.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.612 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

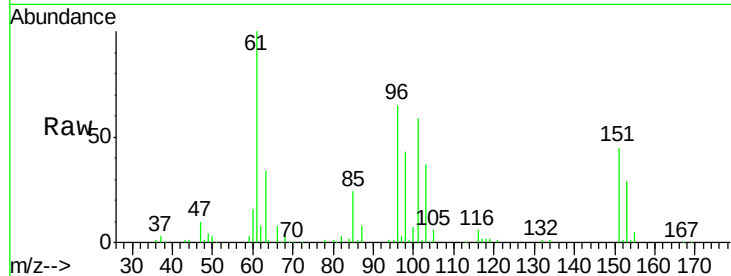
Tot Ion:101 Resp: 57619

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

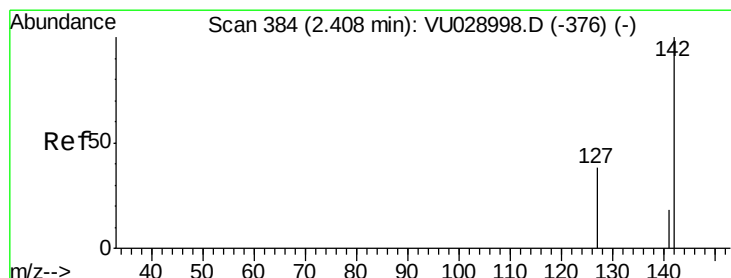
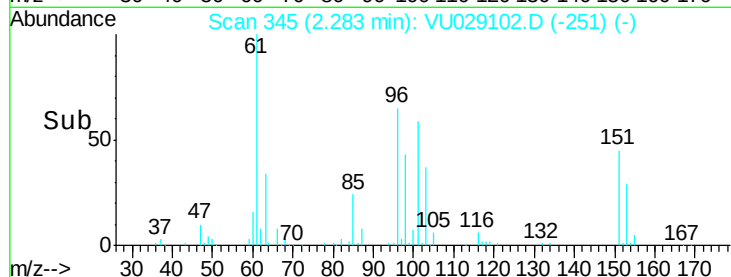
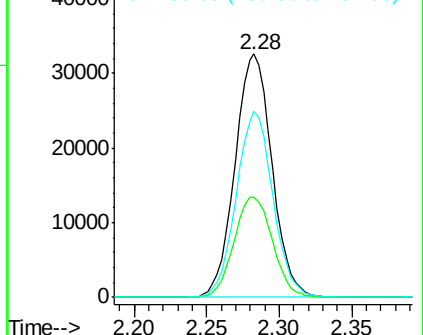
151 75.7 60.2 90.2



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: 53.895 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

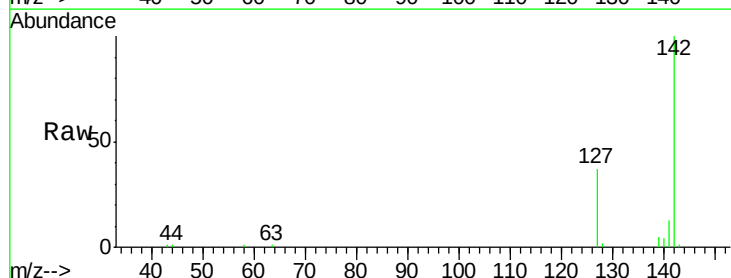
Tgt Ion:142 Resp: 60066

Ion Ratio Lower Upper

142 100

127 37.8 29.8 44.6

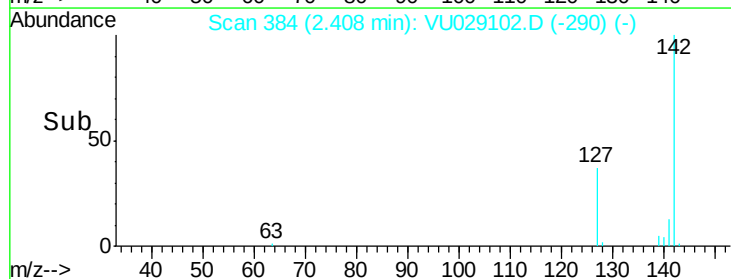
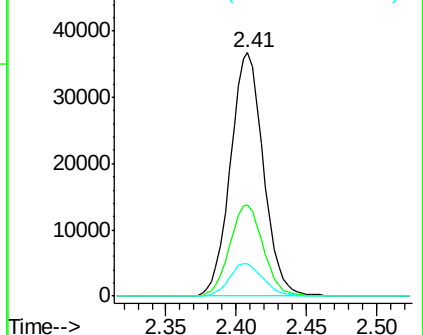
141 13.7 11.5 17.3

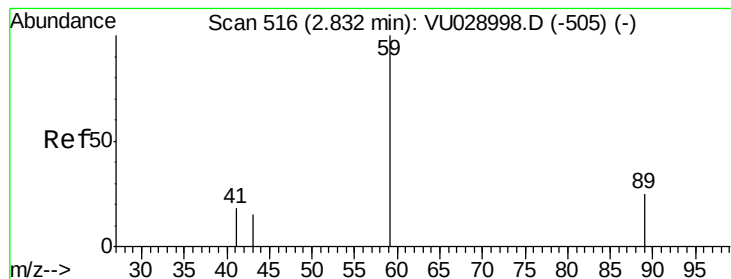


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



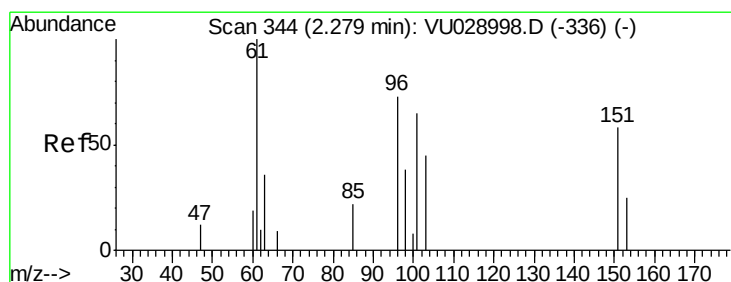
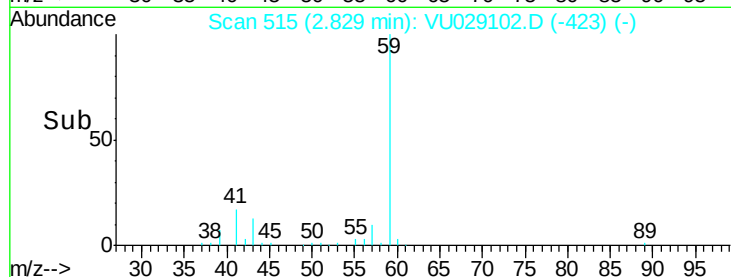
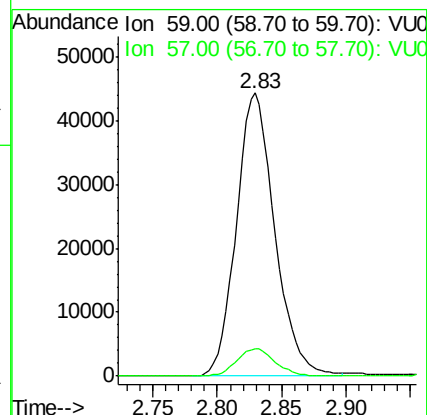
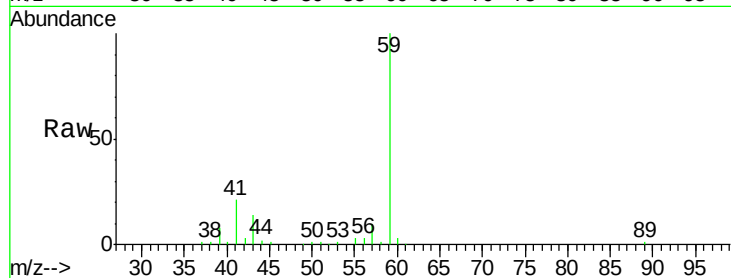


#11

Tert butyl alcohol
 Concen: 262.463 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampled :

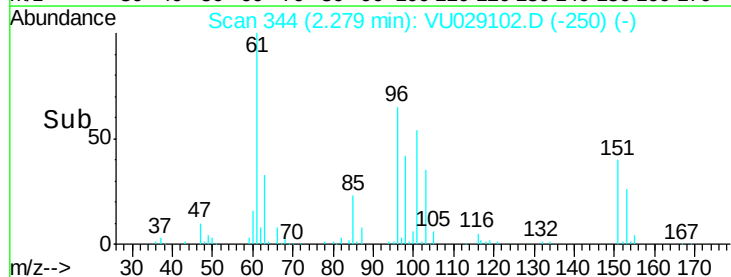
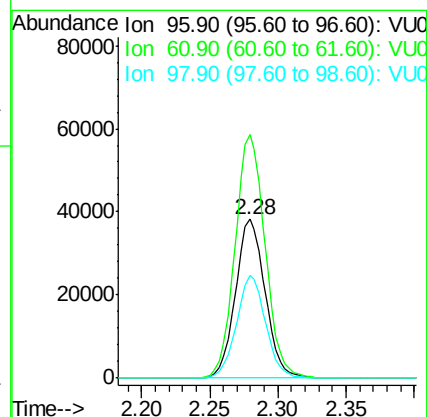
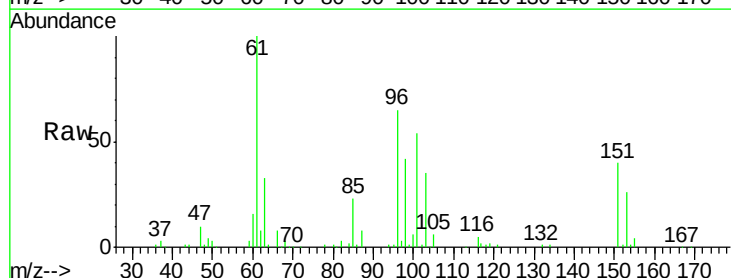
Tot Ion: 59 Resp: 91741
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

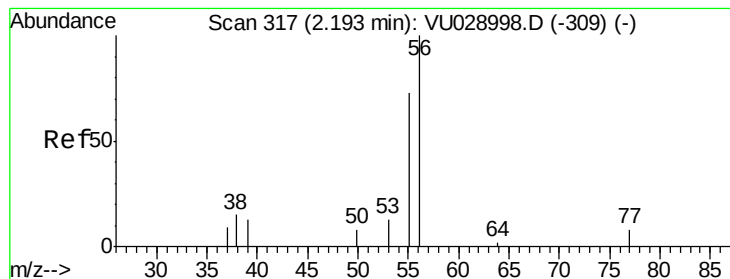


#12

1,1-Dichloroethene
 Concen: 49.891 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 96 Resp: 57559
 Ion Ratio Lower Upper
 96 100
 61 153.3 125.4 188.0
 98 64.4 49.7 74.5





#13

Acrolein

Concen: 238.229 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

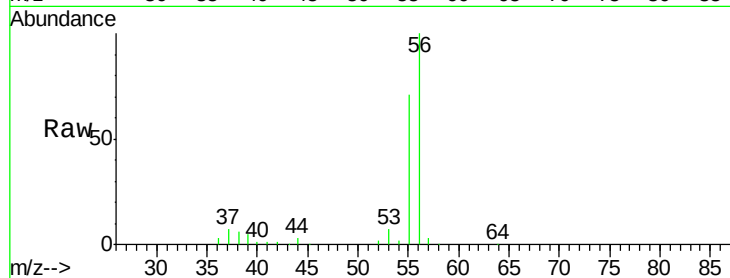
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 62527

Ion Ratio Lower Upper

56 100

55 71.2 56.5 84.7

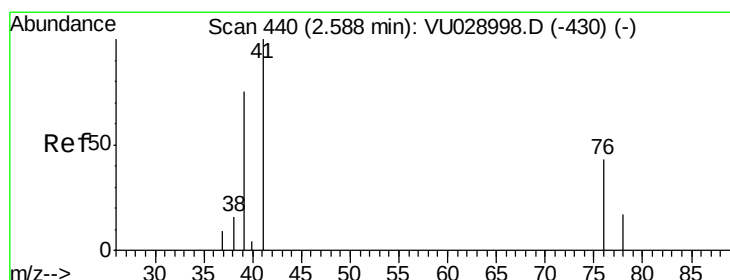
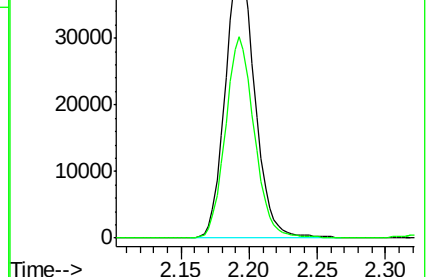
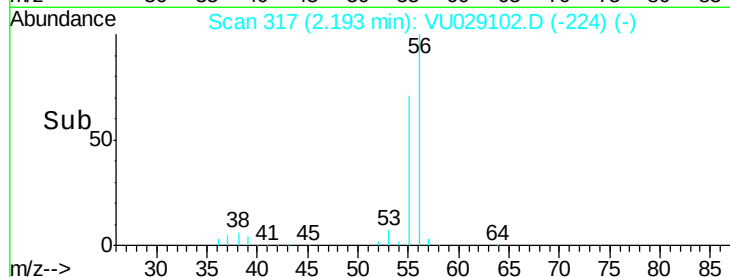


Abundance Ion 56.00 (55.70 to 56.70): VU029102.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029102.D (-224) (-)

2.19

Time-->



#14

Allyl chloride

Concen: 46.795 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

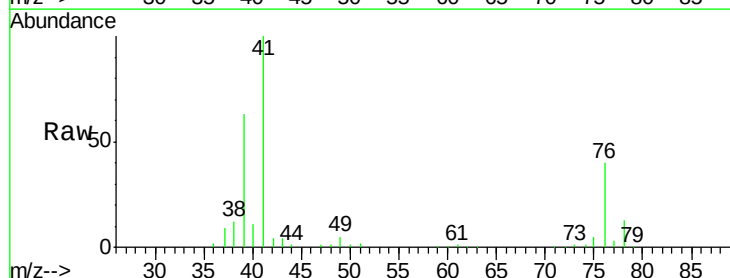
Tgt Ion: 41 Resp: 99058

Ion Ratio Lower Upper

41 100

39 64.0 45.0 67.6

76 38.0 28.1 42.1



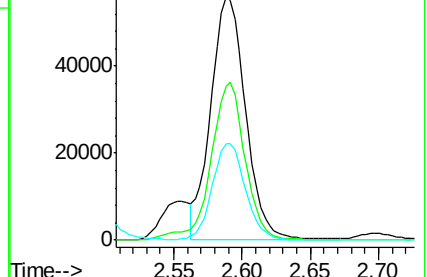
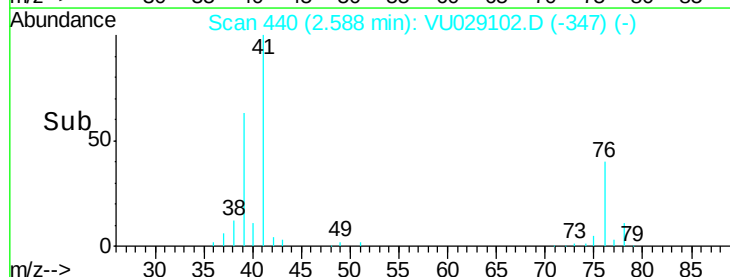
Abundance Ion 41.00 (40.70 to 41.70): VU029102.D (-347) (-)

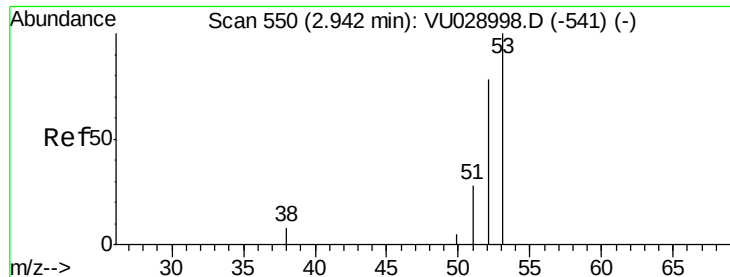
Ion 39.00 (38.70 to 39.70): VU029102.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029102.D (-347) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 274.885 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

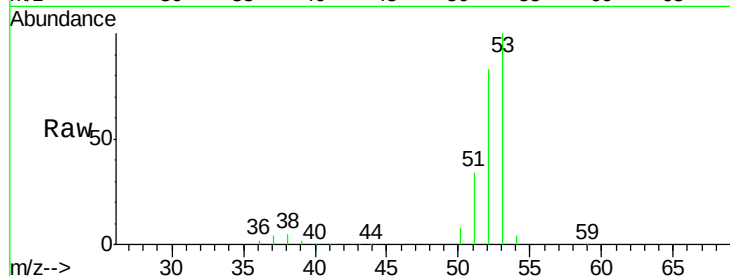
Tot Ion: 53 Resp: 235724

Ion Ratio Lower Upper

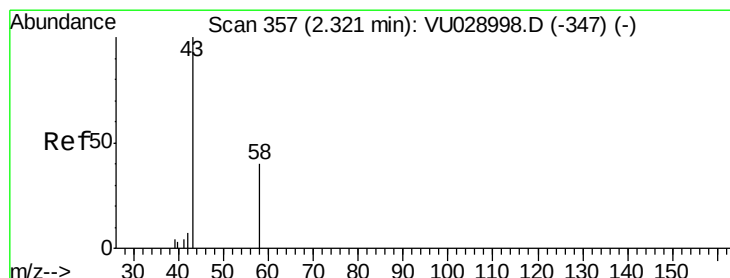
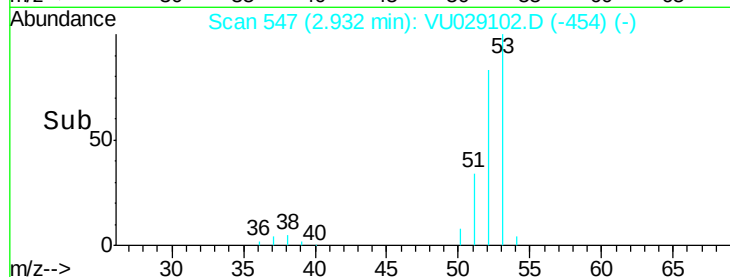
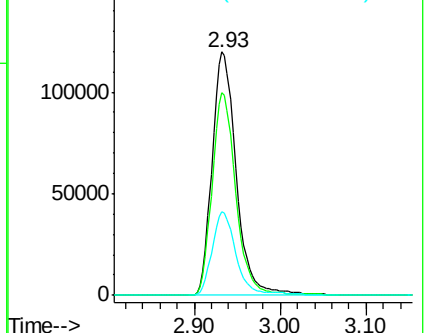
53 100

52 81.9 64.8 97.2

51 33.3 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: 213.706 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029102.D

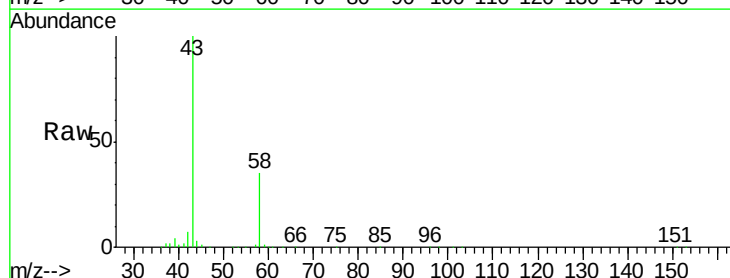
Acq: 09 Jan 2019 20:16

Tgt Ion: 43 Resp: 185129

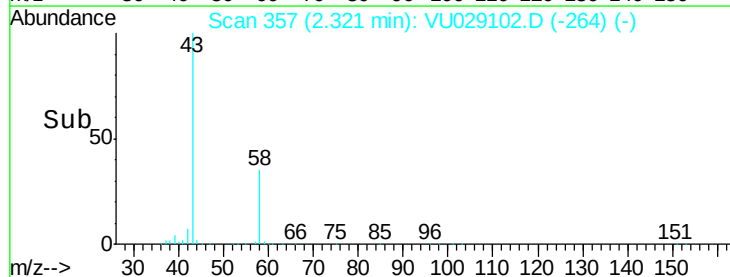
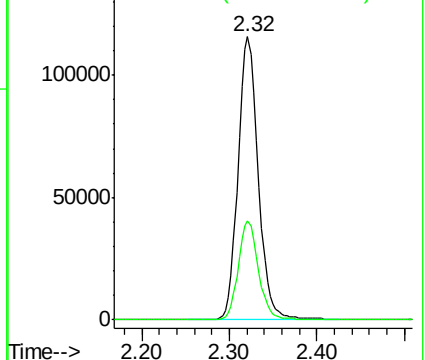
Ion Ratio Lower Upper

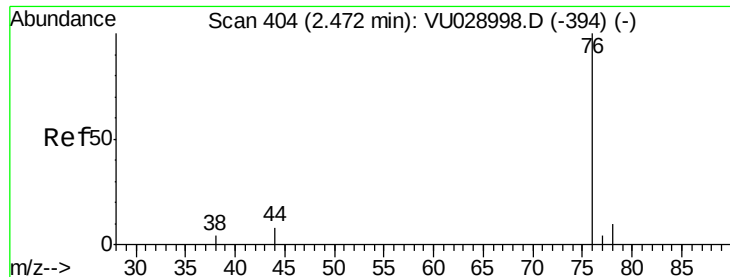
43 100

58 35.2 28.6 42.8



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

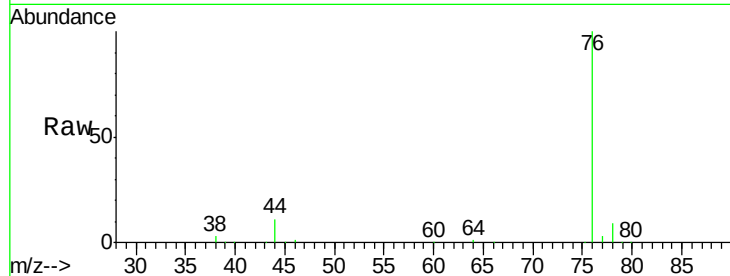




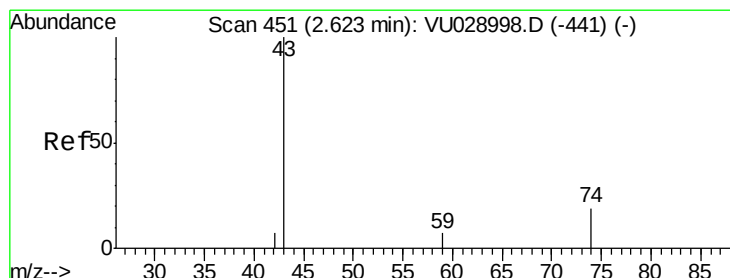
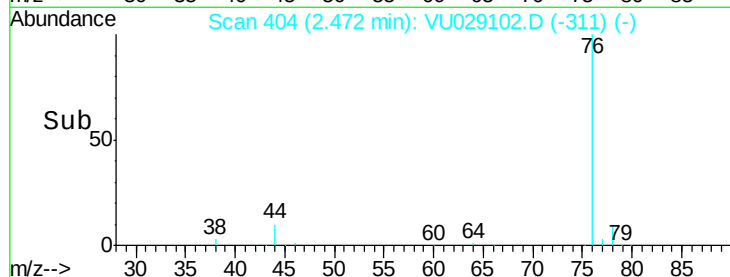
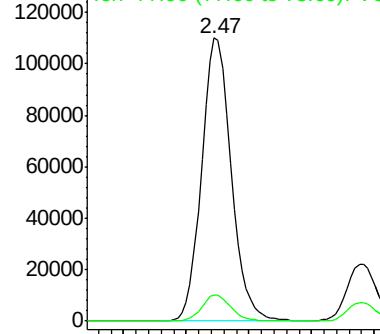
#17
Carbon Disulfide
Concen: 47.212 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 180485
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

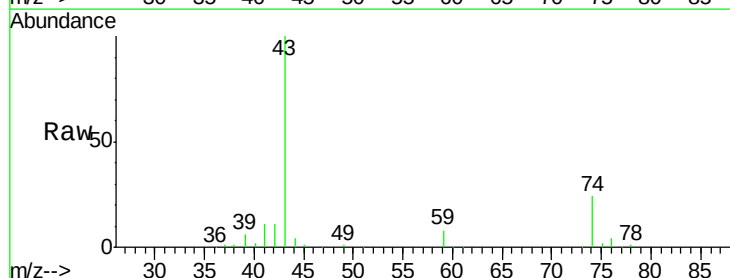


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

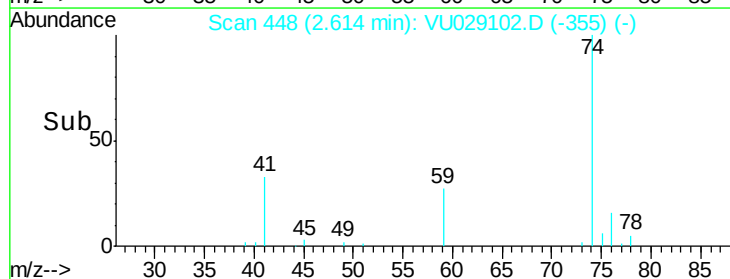
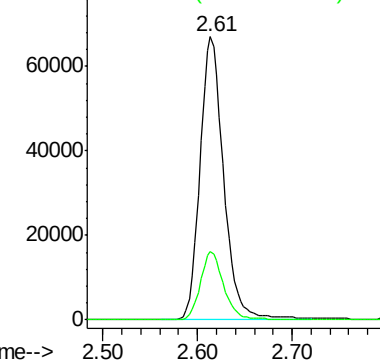


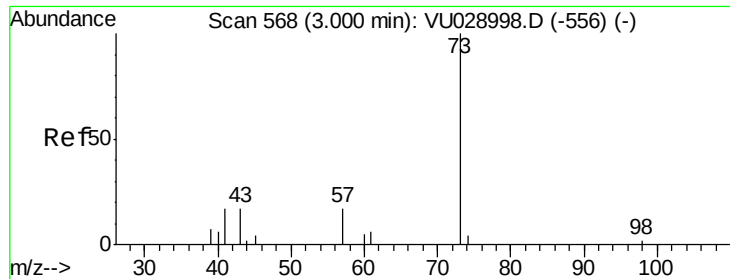
#18
Methyl Acetate
Concen: 58.080 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 43 Resp: 116987
Ion Ratio Lower Upper
43 100
74 23.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

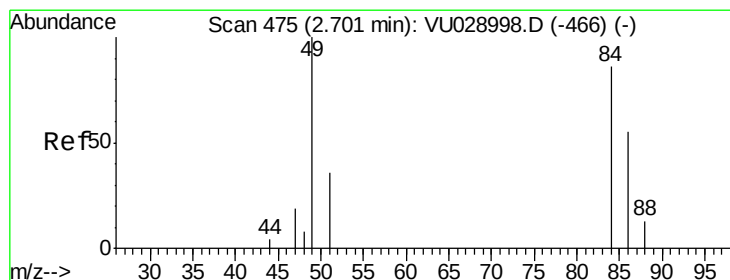
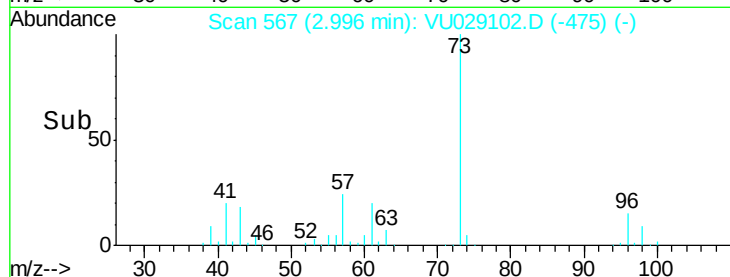
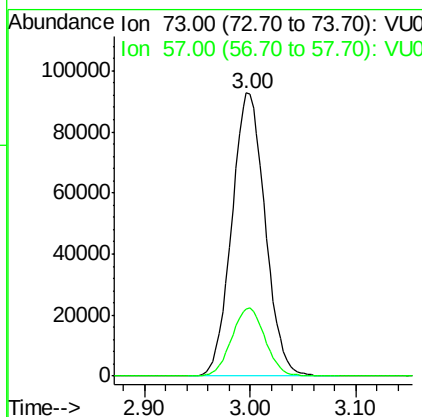
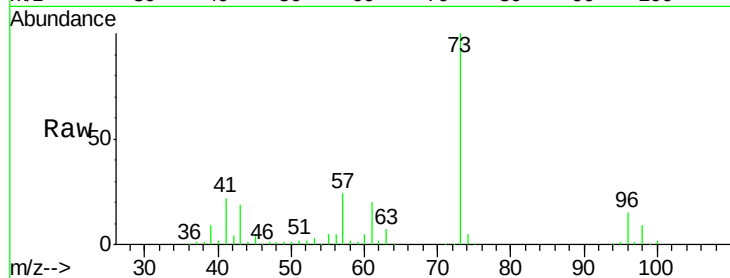




#19
Methyl tert-butyl Ether
Concen: 50.092 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

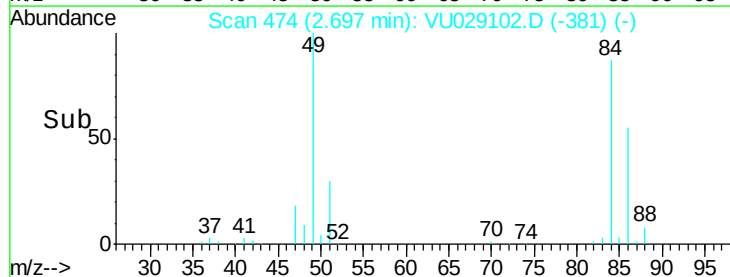
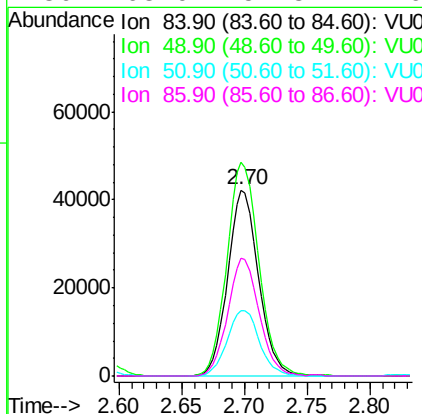
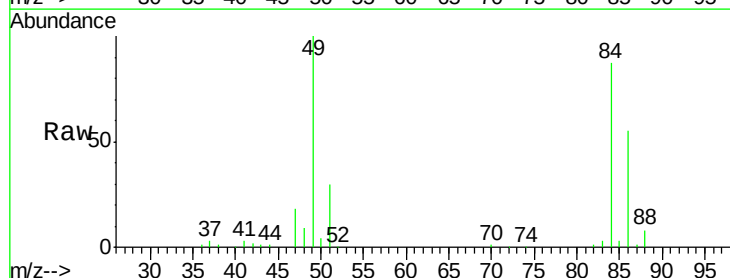
Instrument :
MSVOA_U
ClientSampleId :

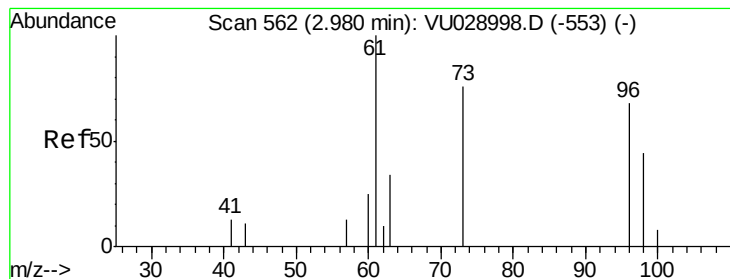
Tot Ion: 73 Resp: 203181
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0



#20
Methylene Chloride
Concen: 48.975 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 84 Resp: 72033
Ion Ratio Lower Upper
84 100
49 114.7 91.9 137.9
51 34.8 29.2 43.8
86 63.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.604 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

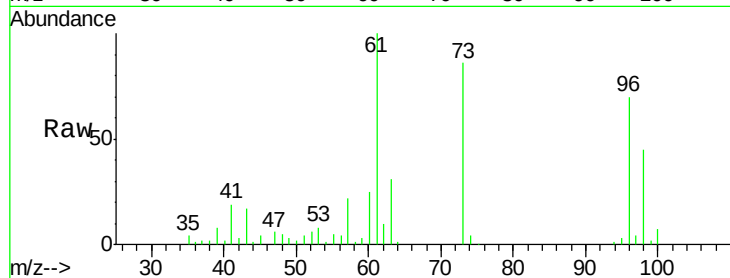
Tot Ion: 96 Resp: 63808

Ion Ratio Lower Upper

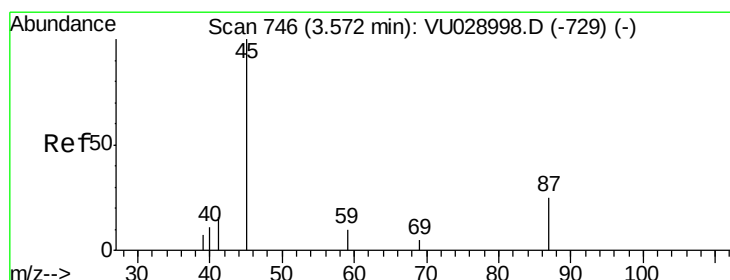
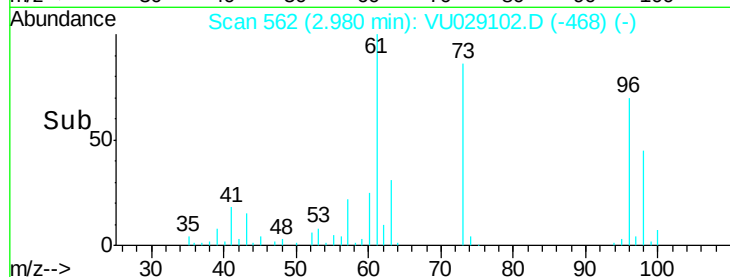
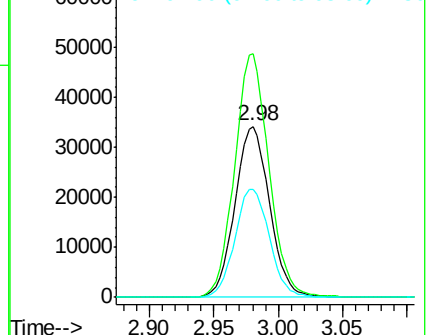
96 100

61 142.2 107.7 161.5

98 63.3 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: 53.731 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion: 45 Resp: 224796

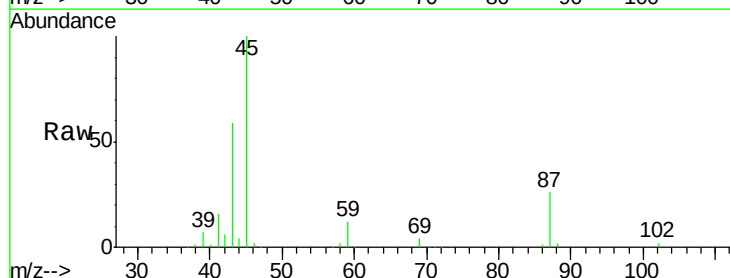
Ion Ratio Lower Upper

45 100

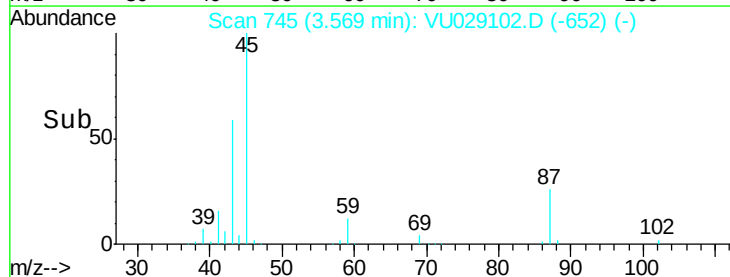
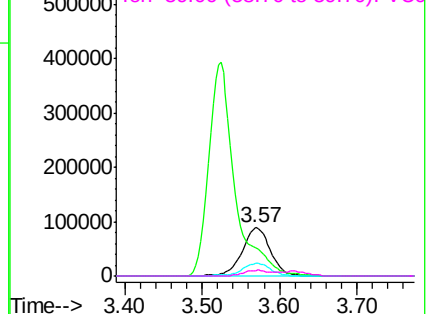
43 58.3 44.7 67.1

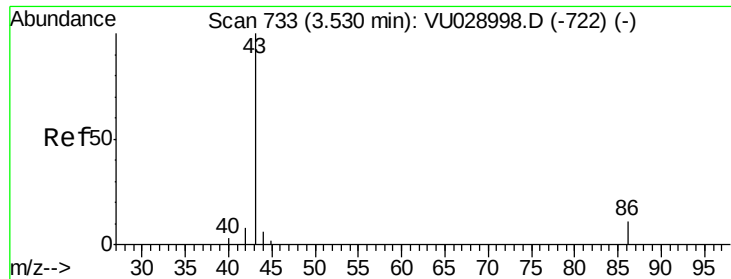
87 25.6 22.2 33.2

59 12.0 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: 273.006 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

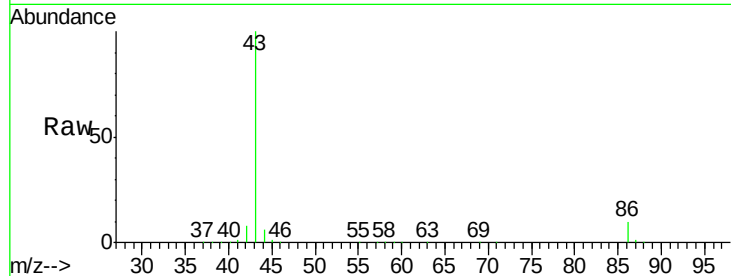
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 933736

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-722) (-)

Ion 86.00 (85.70 to 86.70): VU028998.D (-722) (-)

3.52

400000

300000

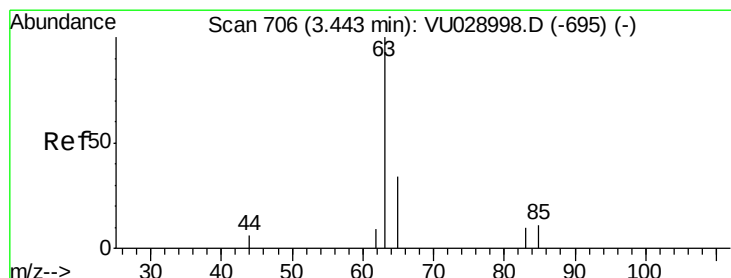
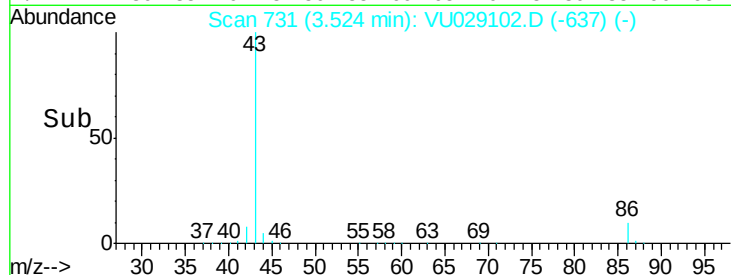
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 52.487 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

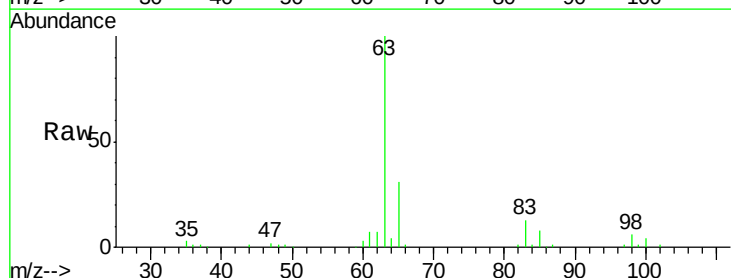
Tgt Ion: 63 Resp: 126764

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-695) (-)

Ion 97.90 (97.60 to 98.60): VU028998.D (-695) (-)

Ion 99.90 (99.60 to 100.60): VU028998.D (-695) (-)

3.44

60000

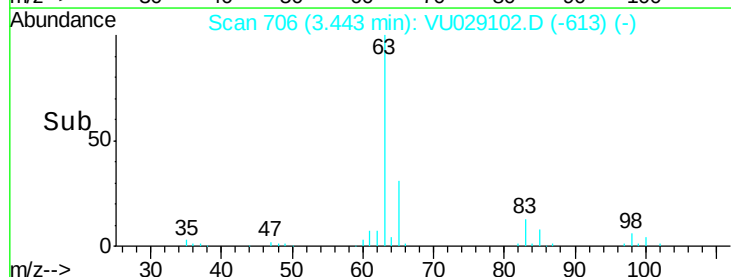
40000

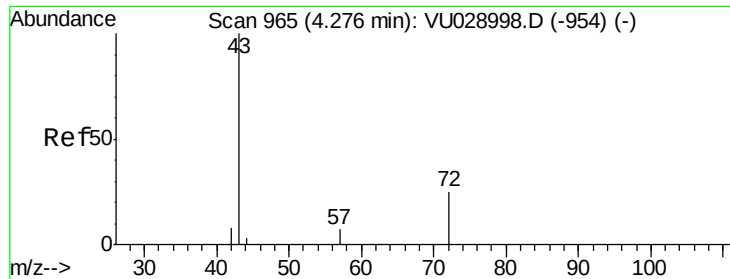
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 268.864 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

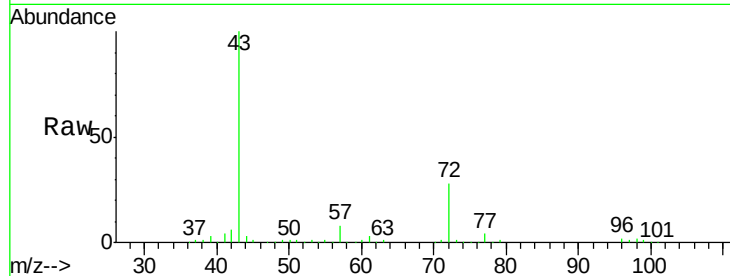
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 314581

Ion Ratio Lower Upper

43 100

72 28.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)

150000

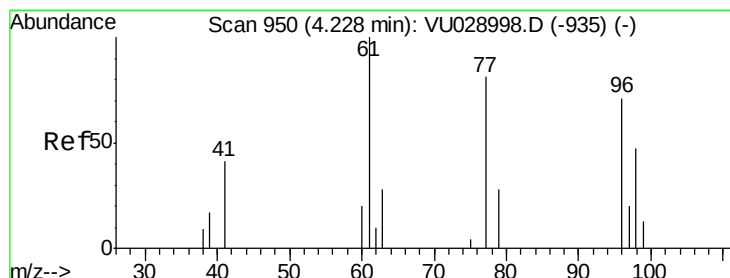
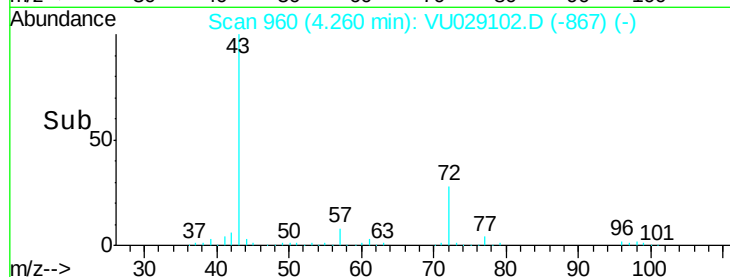
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 46.484 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029102.D

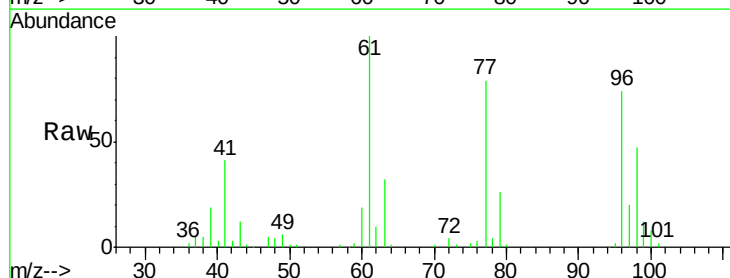
Acq: 09 Jan 2019 20:16

Tgt Ion: 77 Resp: 90712

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU029102.D (-856) (-)

Ion 96.90 (96.60 to 97.60): VU029102.D (-856) (-)

40000

30000

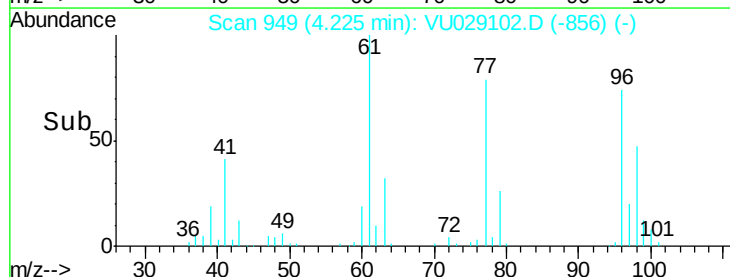
20000

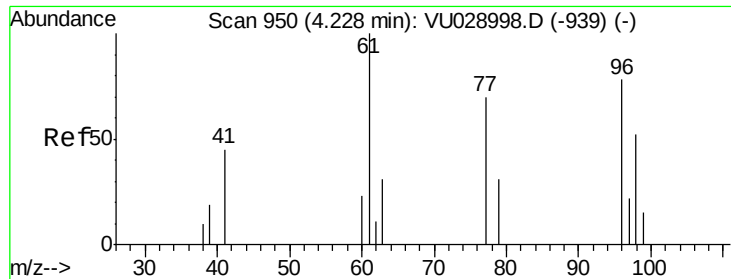
10000

0

4.10 4.20 4.30

Time-->



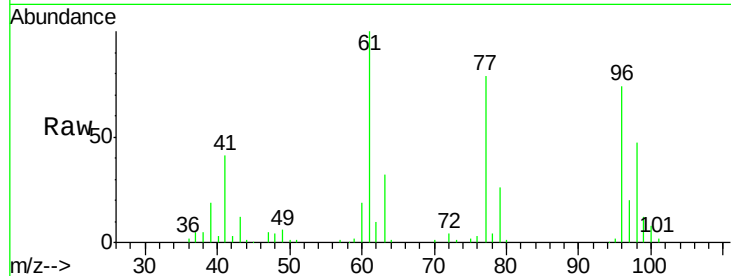


#27

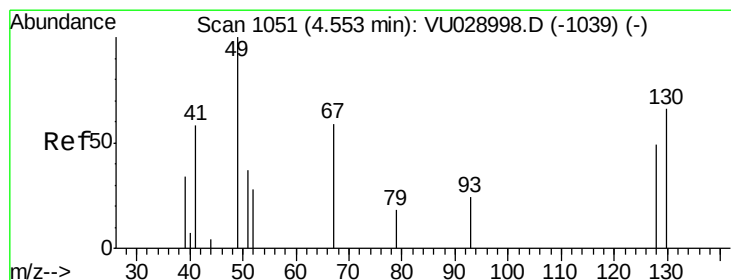
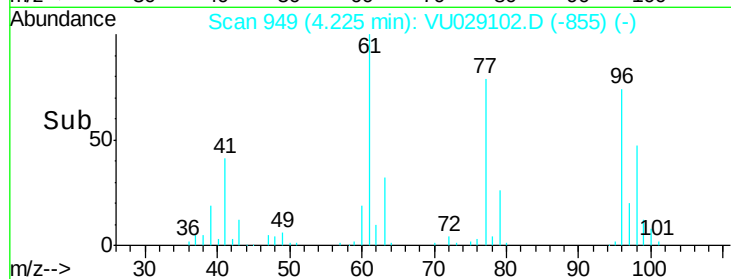
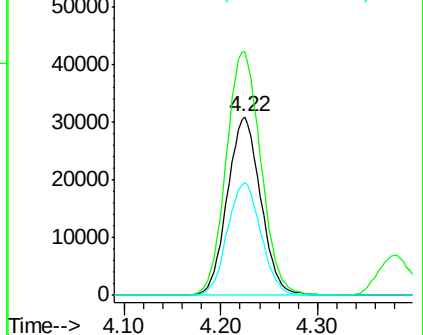
cis-1,2-Dichloroethene
Concen: 50.597 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 74176
Ion Ratio Lower Upper
96 100
61 142.2 0.0 285.6
98 63.7 0.0 130.2



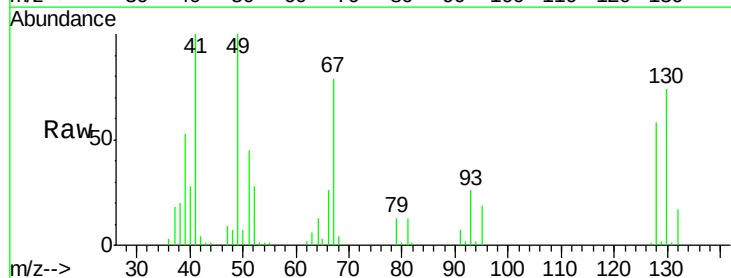
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



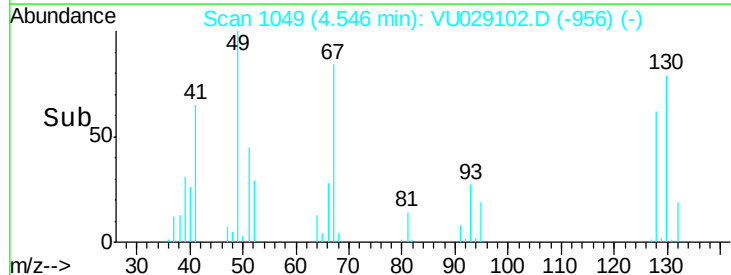
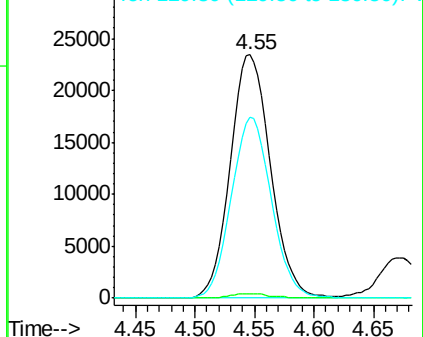
#28

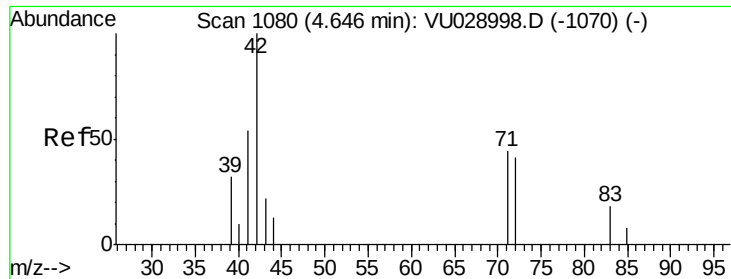
Bromochloromethane
Concen: 53.351 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 49 Resp: 55173
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 73.9 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

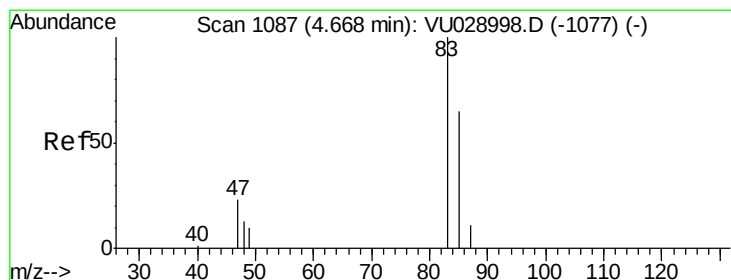
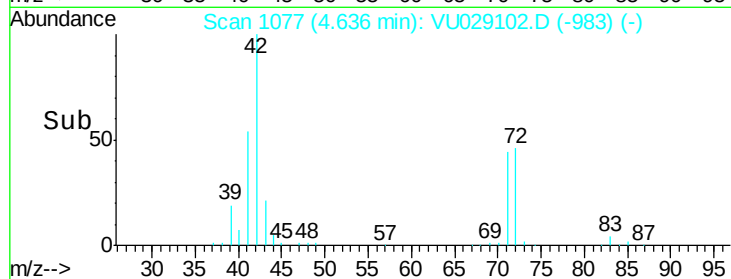
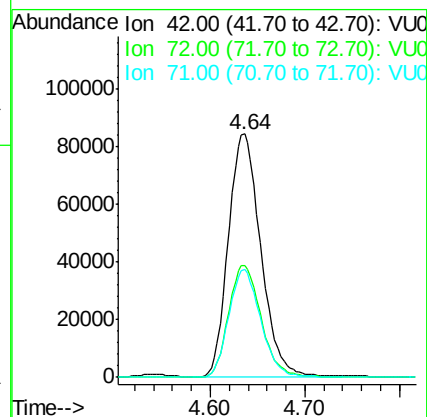
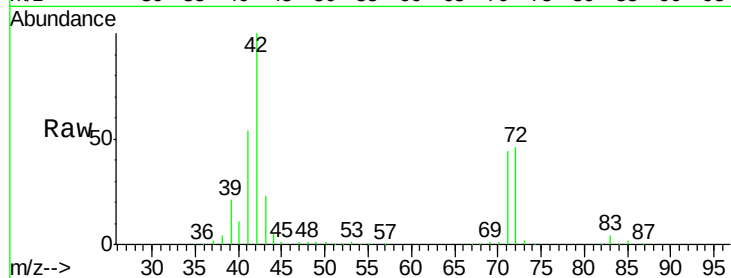




#29
Tetrahydrofuran
Concen: 282.871 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

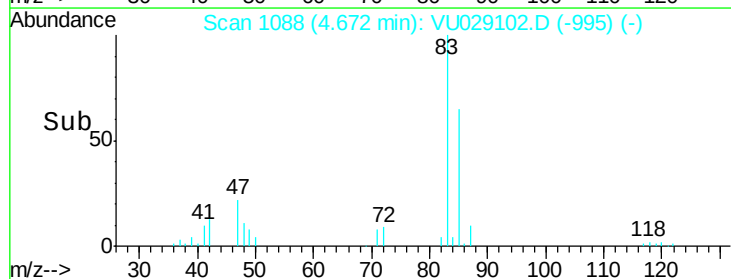
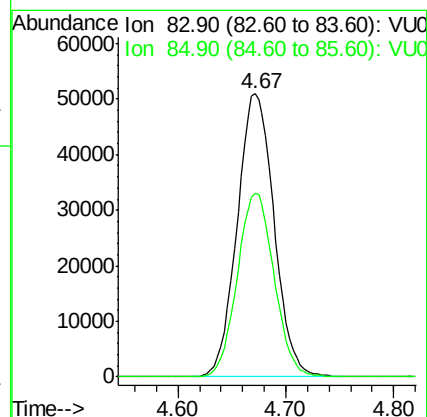
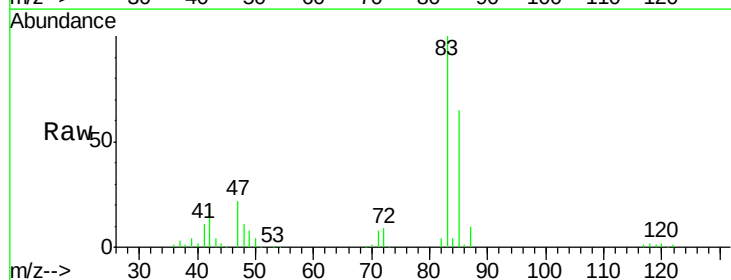
Instrument :
MSVOA_U
ClientSampled :

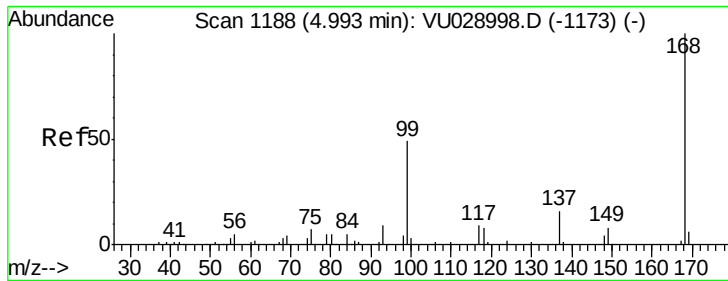
Tot Ion: 42 Resp: 200738
Ion Ratio Lower Upper
42 100
72 46.4 38.3 57.5
71 43.9 36.1 54.1



#30
Chloroform
Concen: 52.753 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 83 Resp: 121351
Ion Ratio Lower Upper
83 100
85 65.0 53.4 80.0

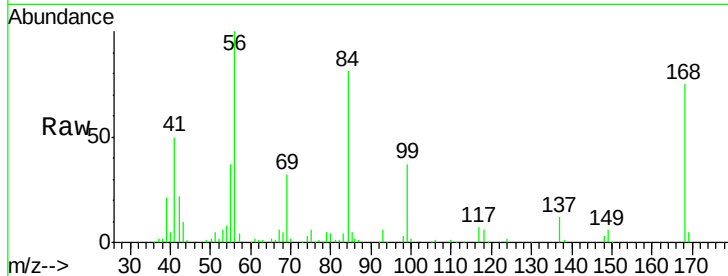




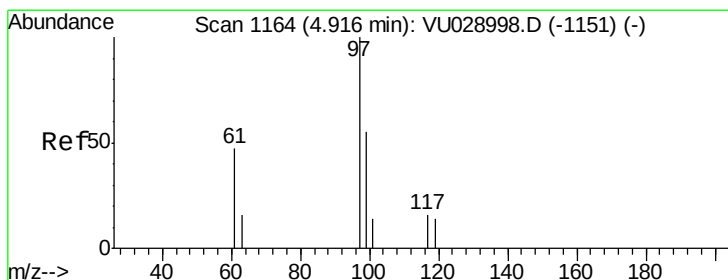
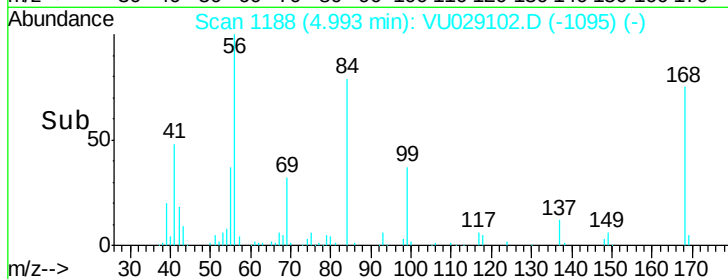
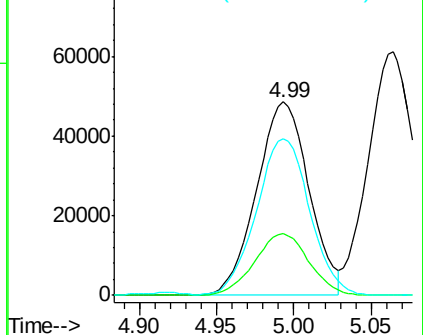
#31
Cyclohexane
Concen: 50.362 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 114799
Ion Ratio Lower Upper
56 100
69 31.8 26.7 40.1
84 80.2 65.7 98.5

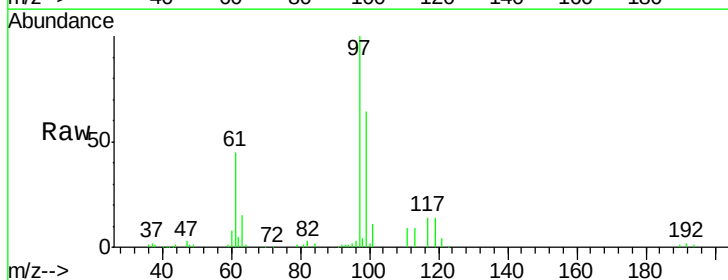


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

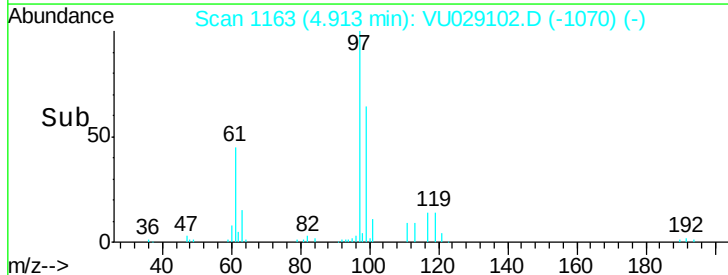
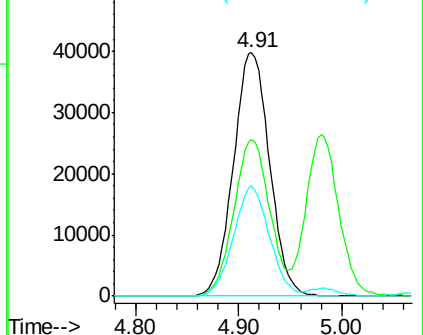


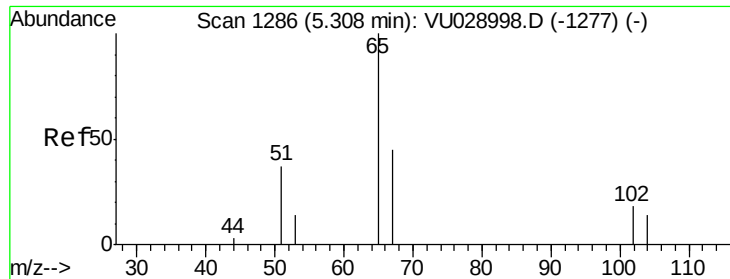
#32
1,1,1-Trichloroethane
Concen: 51.076 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 97 Resp: 97083
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 44.8 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

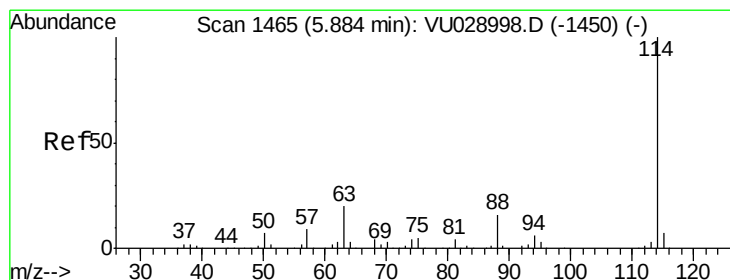
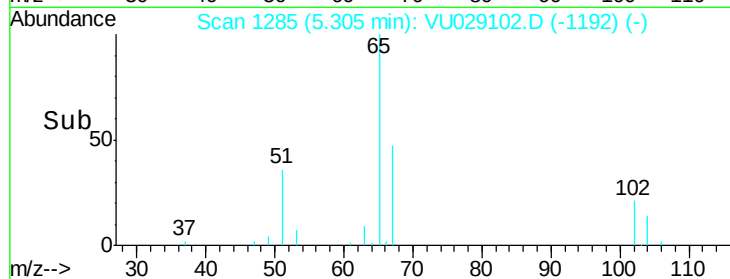
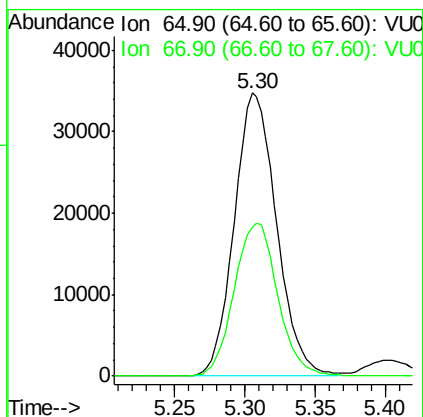
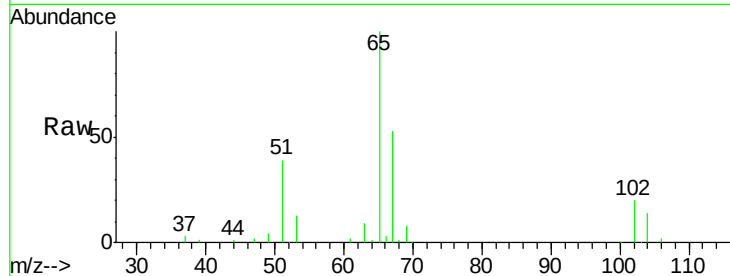




#33
 1,2-Dichloroethane-d4
 Concen: 53.098 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

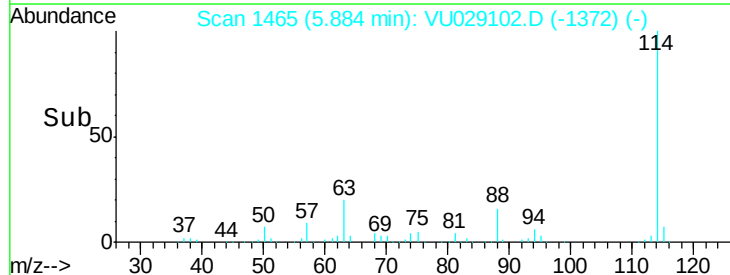
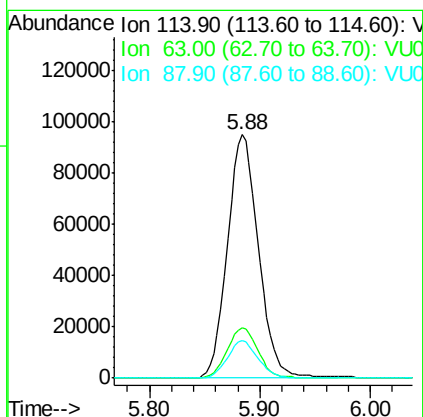
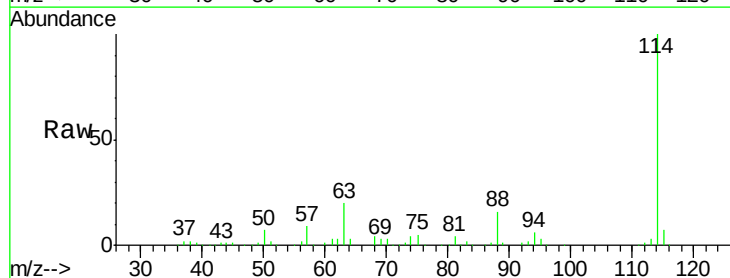
Instrument :
 MSVOA_U
 ClientSampleId :

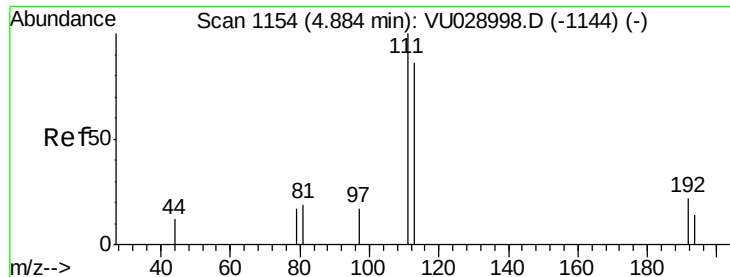
Tot Ion: 65 Resp: 73017
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 114 Resp: 185444
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.6 0.0 30.4

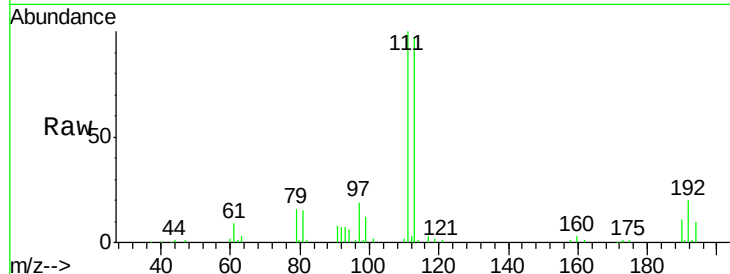




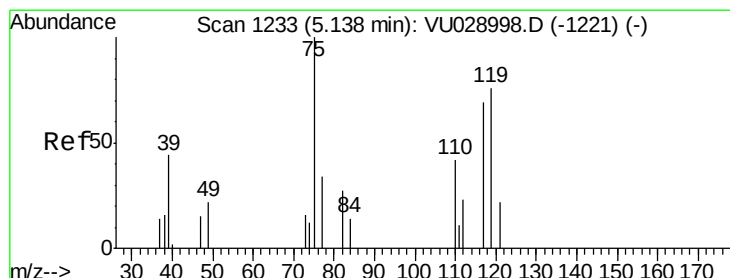
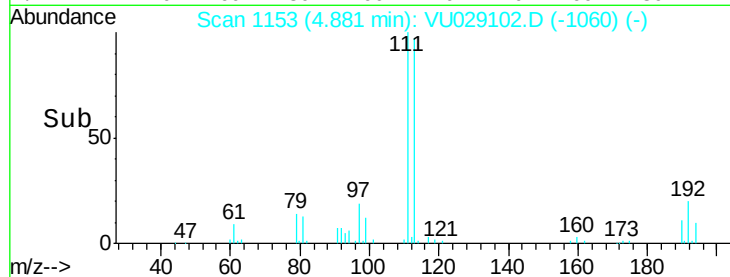
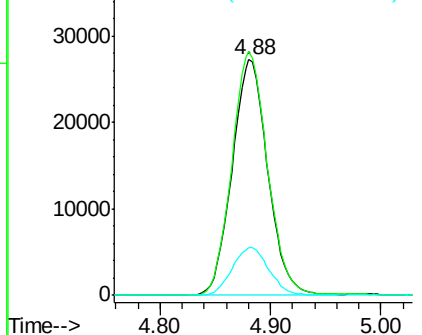
#35
 Dibromofluoromethane
 Concen: 50.818 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 61089
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.4 122.2
 192 20.7 16.8 25.2

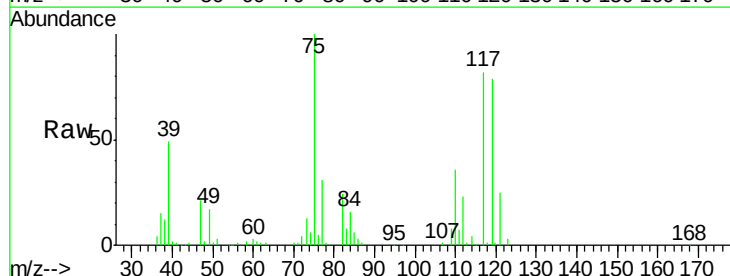


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

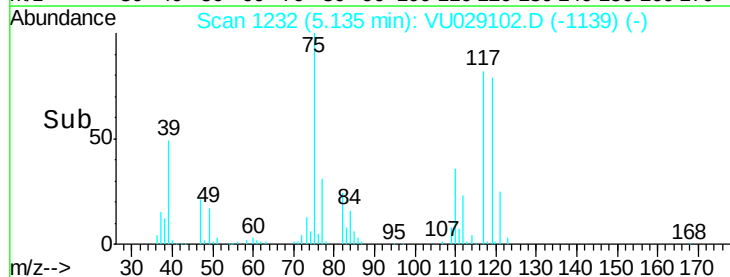
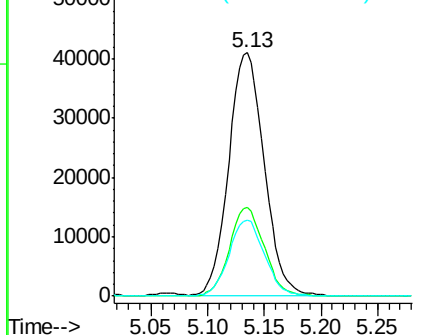


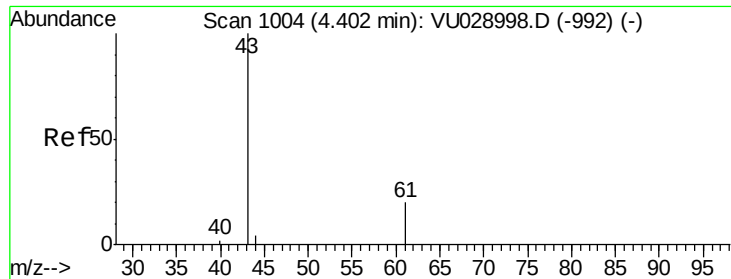
#36
 1,1-Dichloropropene
 Concen: 48.027 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 89022
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.4 55.4
 77 31.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

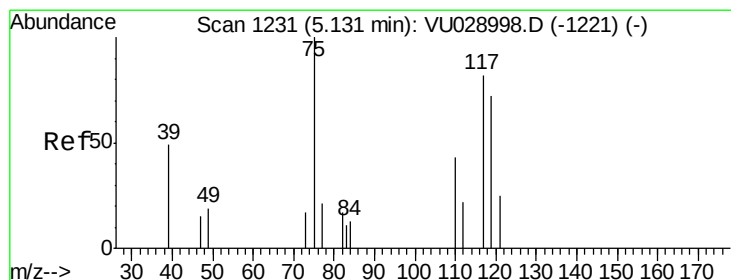
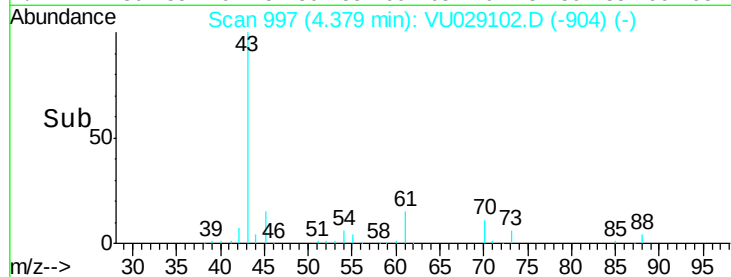
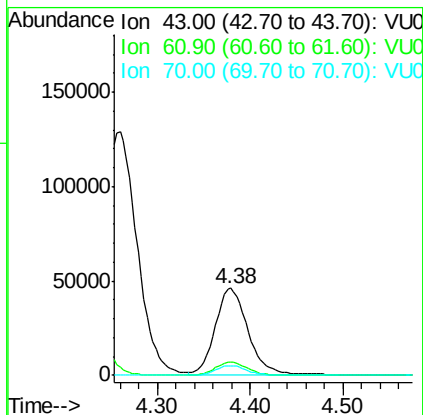
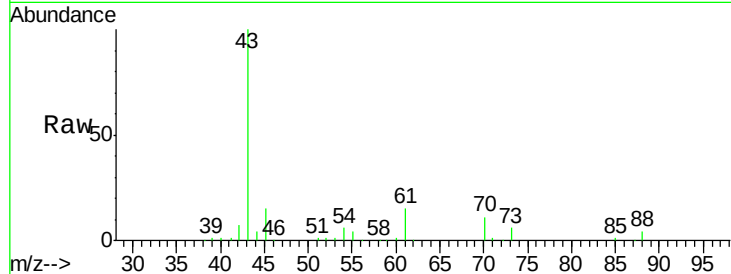




#37
Ethyl Acetate
Concen: 54.919 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

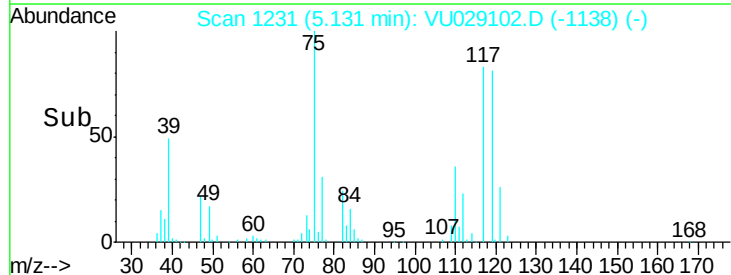
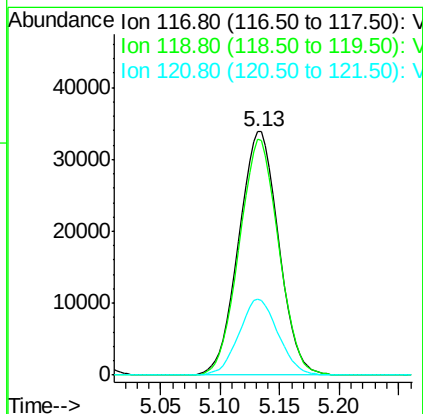
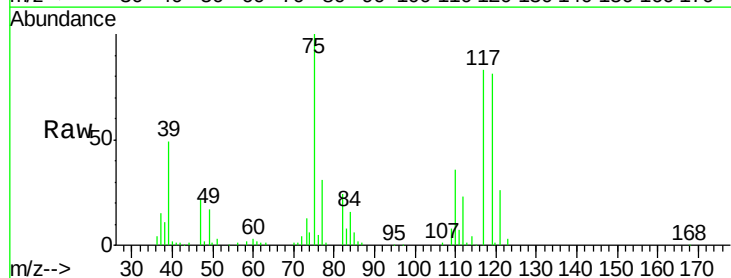
Instrument :
MSVOA_U
ClientSampleId :

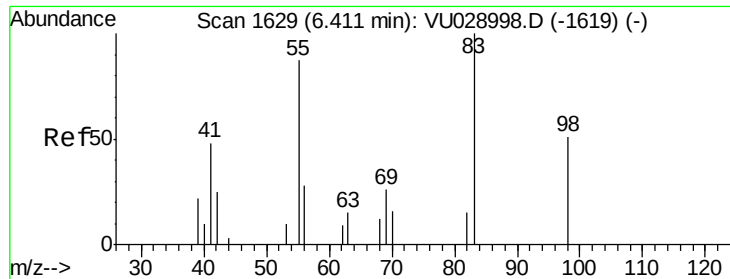
Tot Ion: 43 Resp: 111739
Ion Ratio Lower Upper
43 100
61 15.2 12.6 18.8
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 50.717 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 117 Resp: 78408
Ion Ratio Lower Upper
117 100
119 96.8 74.6 111.8
121 31.4 25.0 37.6

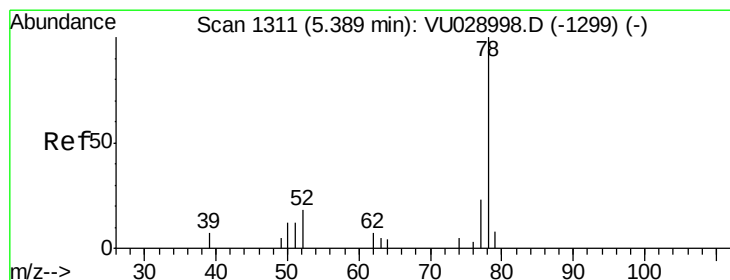
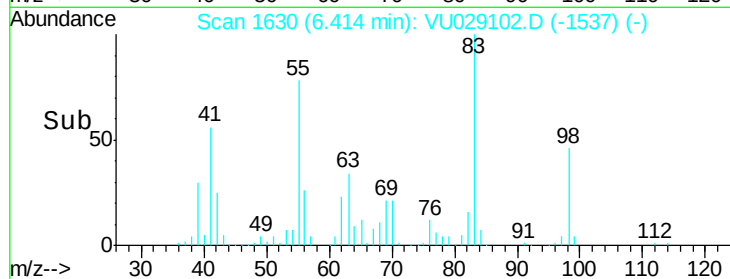
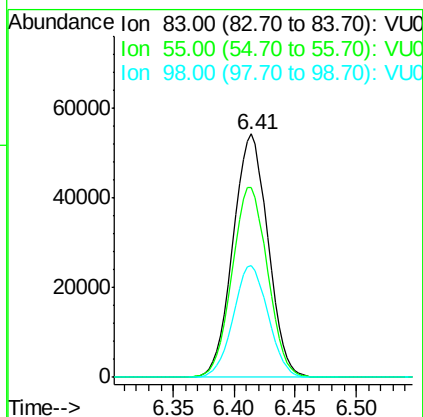
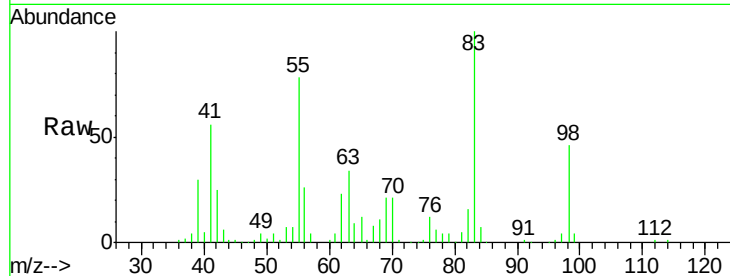




#39
Methylvlcyclohexane
Concen: 47.349 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

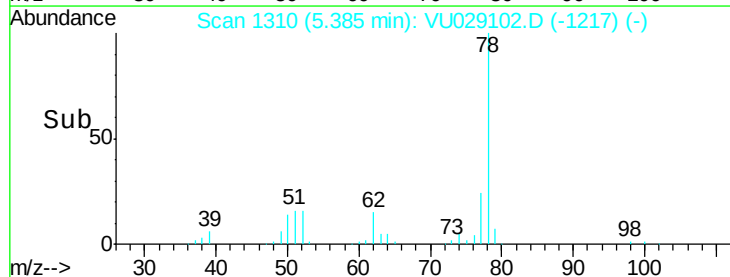
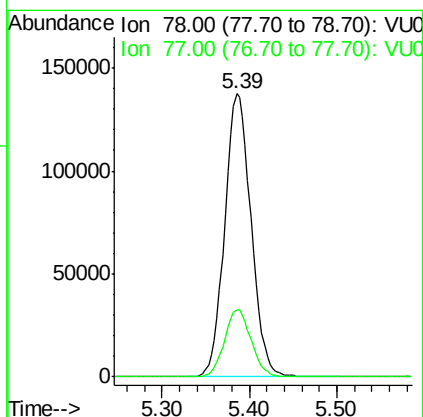
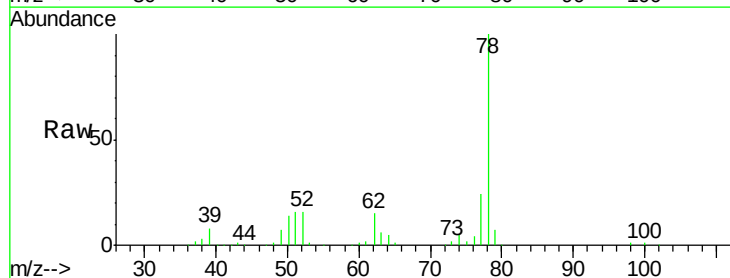
Instrument :
MSVOA_U
ClientSampleId :

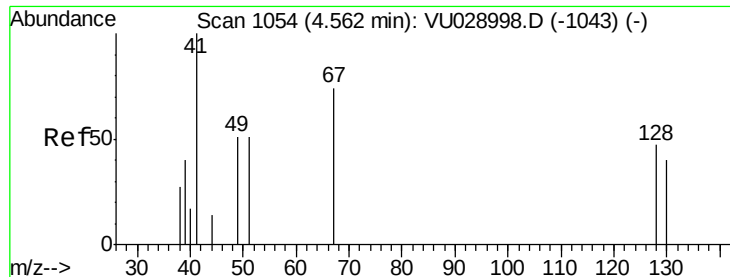
Tot Ion: 83 Resp: 107897
Ion Ratio Lower Upper
83 100
55 78.0 62.4 93.6
98 45.9 36.2 54.2



#40
Benzene
Concen: 49.771 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 78 Resp: 287767
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 55.759 ug/l

RT: 4.54 min Scan# 1047

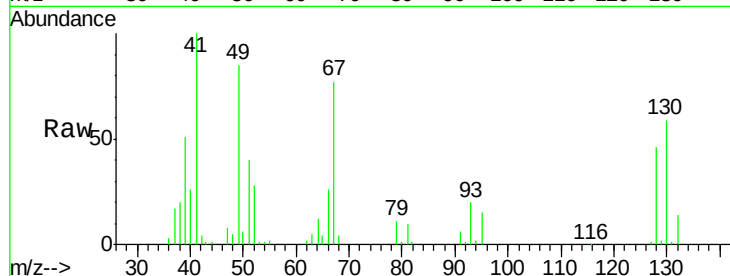
Delta R.T. 0.00 min

Lab File: VU029102.D

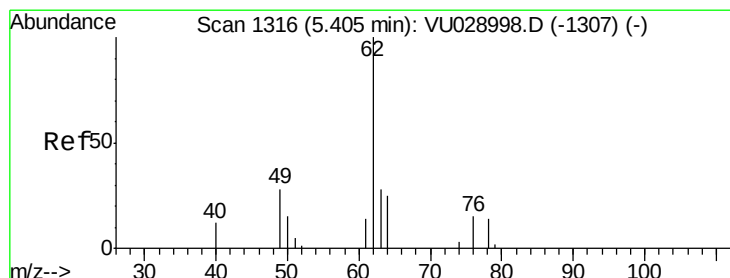
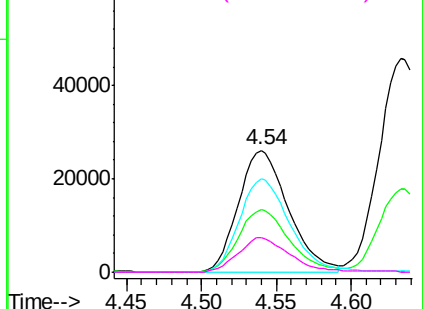
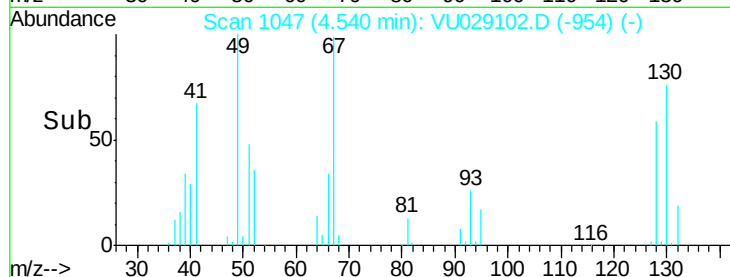
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	60727
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.3	63.5
67	78.0	64.4	96.6
52	29.3	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: 52.848 ug/l

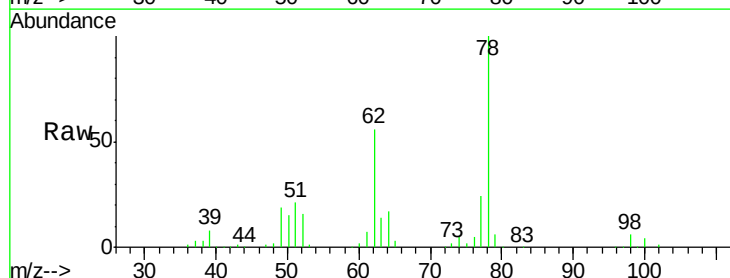
RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

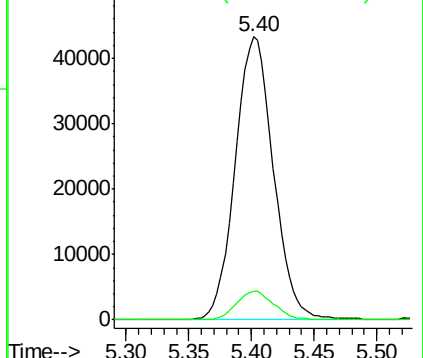
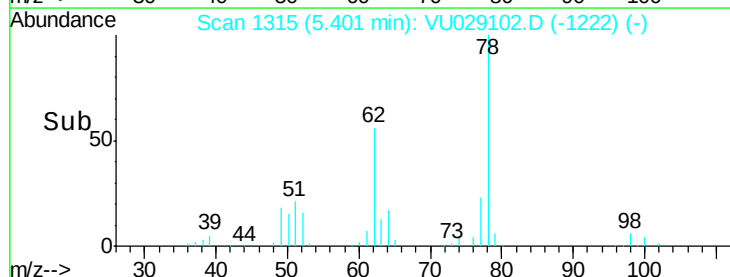
Lab File: VU029102.D

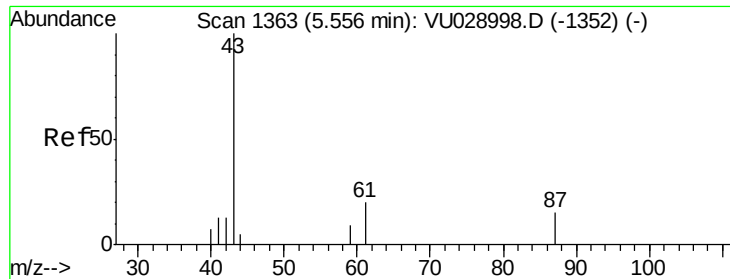
Acq: 09 Jan 2019 20:16

Tgt Ion:	62	Resp:	91818
Ion	Ratio	Lower	Upper
62	100		
98	9.9	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: 54.229 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

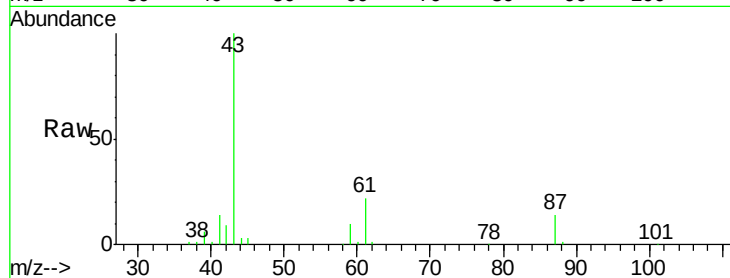
Tot Ion: 43 Resp: 169254

Ion Ratio Lower Upper

43 100

61 21.8 17.8 26.6

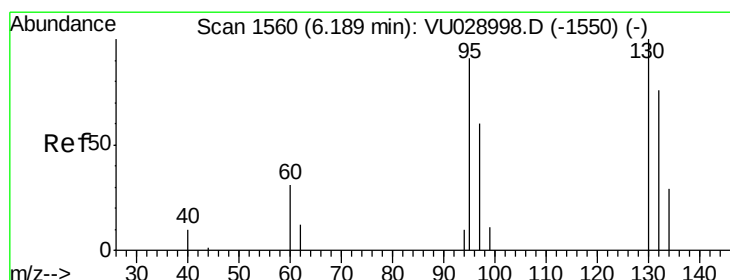
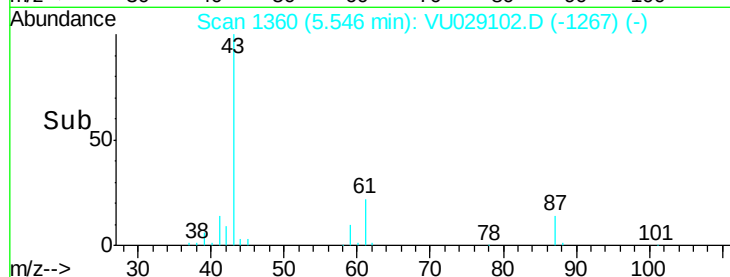
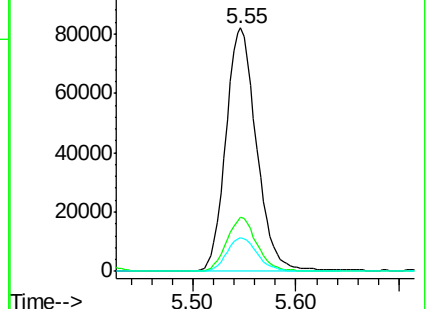
87 13.7 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-1352) (-)

Ion 61.00 (60.70 to 61.70): VU028998.D (-1352) (-)

Ion 87.00 (86.70 to 87.70): VU028998.D (-1352) (-)



#44

Trichloroethene

Concen: 46.833 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029102.D

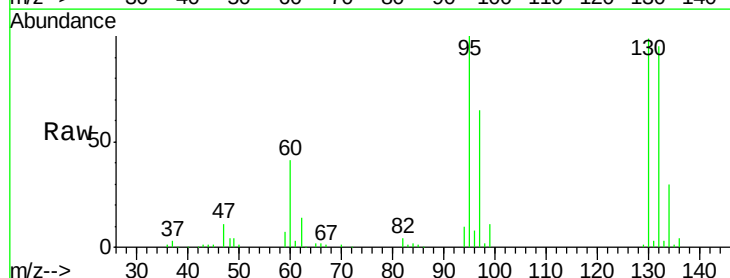
Acq: 09 Jan 2019 20:16

Tgt Ion:130 Resp: 67093

Ion Ratio Lower Upper

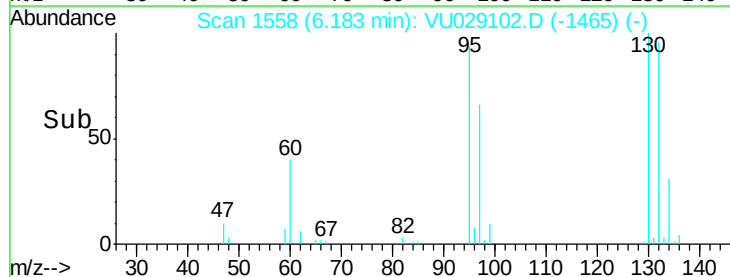
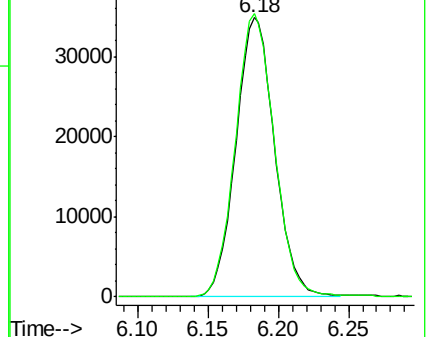
130 100

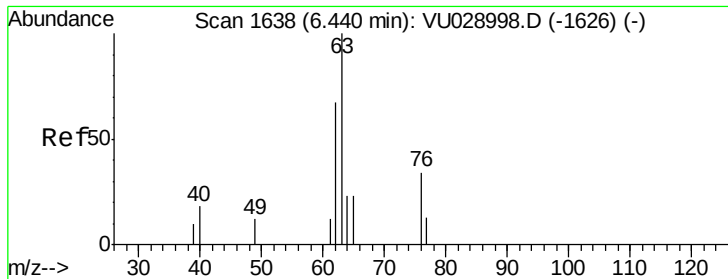
95 101.3 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028998.D (-1550) (-)

Ion 94.90 (94.60 to 95.60): VU028998.D (-1550) (-)





#45

1,2-Dichloropropane

Concen: 51.669 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

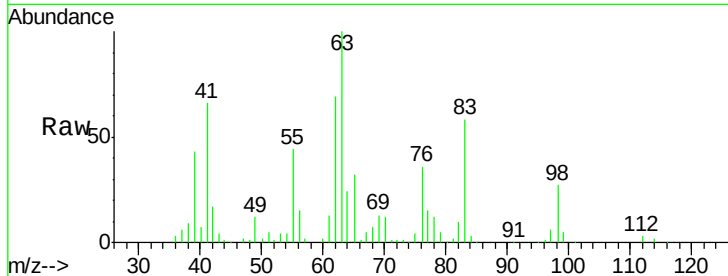
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 78892

Ion Ratio Lower Upper

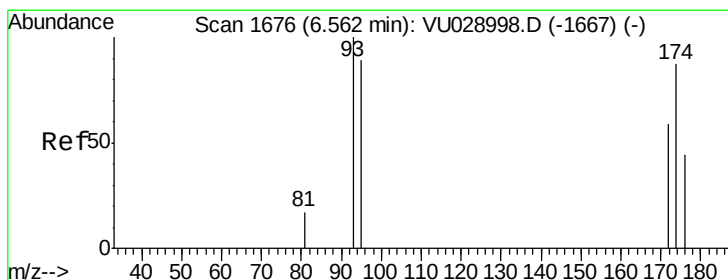
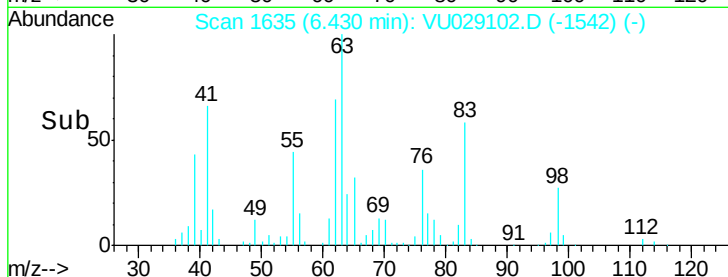
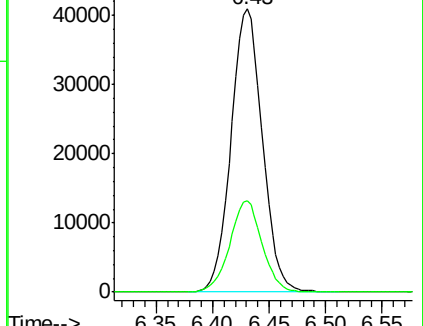
63 100

65 32.3 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1626) (-)

Ion 64.90 (64.60 to 65.60): VU028998.D (-1626) (-)



#46

Dibromomethane

Concen: 50.583 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

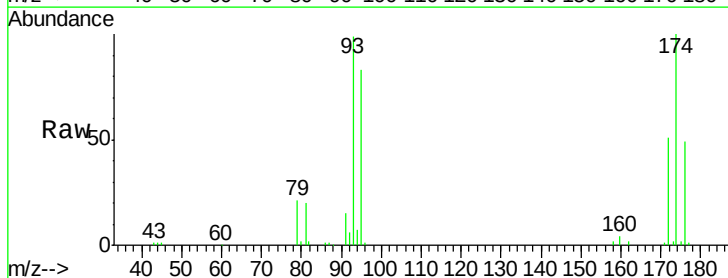
Tgt Ion: 93 Resp: 49373

Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

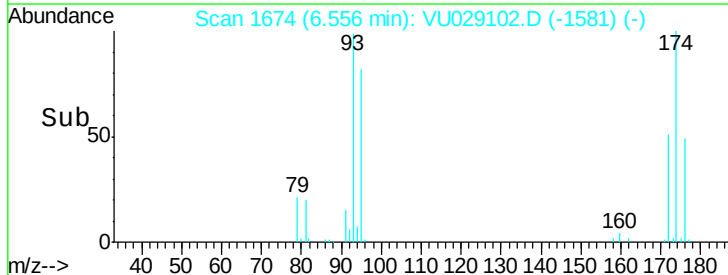
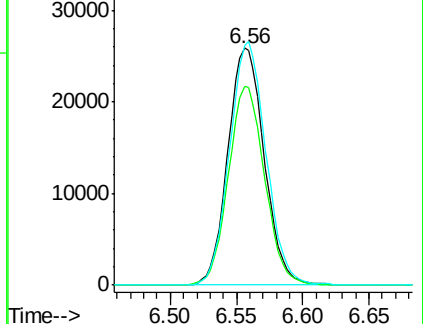
174 102.6 82.6 123.8

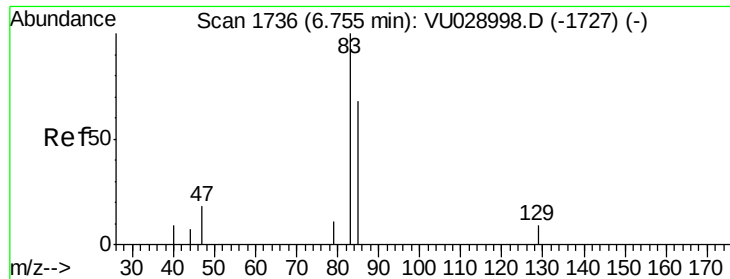


Abundance Ion 92.80 (92.50 to 93.50): VU028998.D (-1667) (-)

Ion 94.80 (94.50 to 95.50): VU028998.D (-1667) (-)

Ion 173.70 (173.40 to 174.40): VU028998.D (-1667) (-)





#47

Bromodichloromethane

Concen: 51.537 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

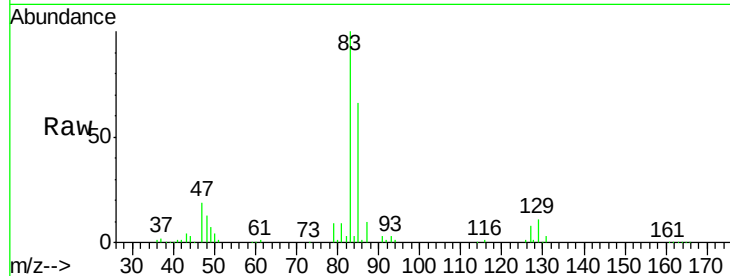
Tot Ion: 83 Resp: 92618

Ion Ratio Lower Upper

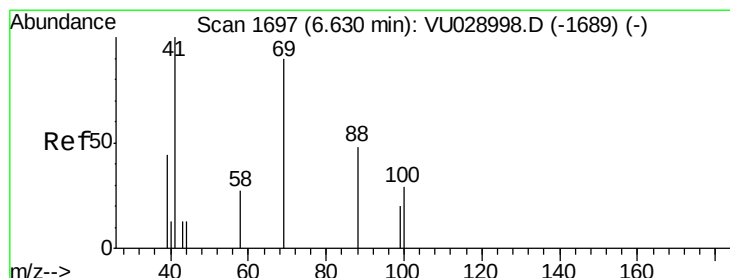
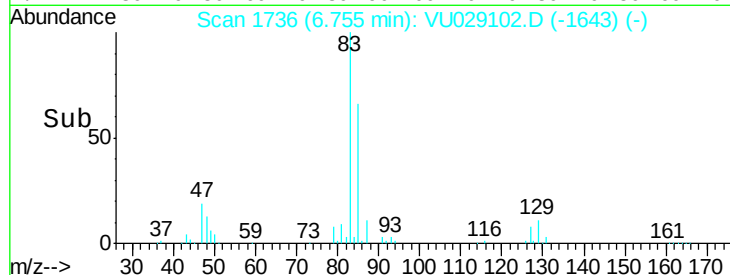
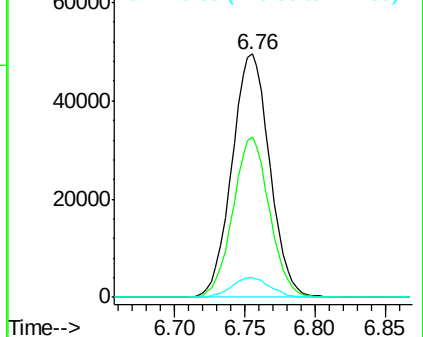
83 100

85 65.7 51.4 77.2

127 8.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.981 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

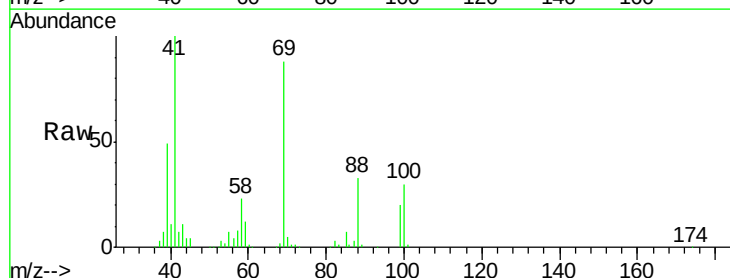
Tgt Ion: 41 Resp: 86596

Ion Ratio Lower Upper

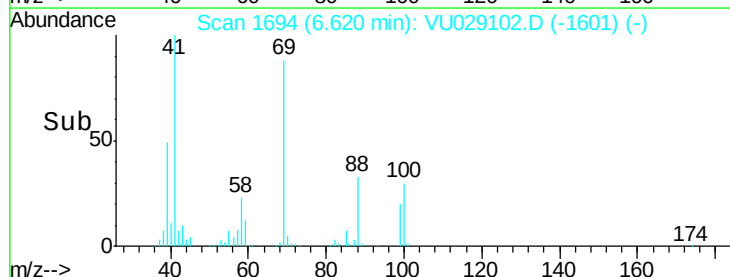
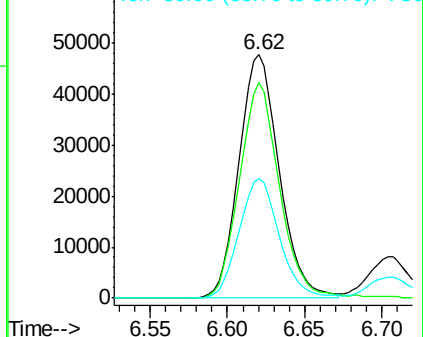
41 100

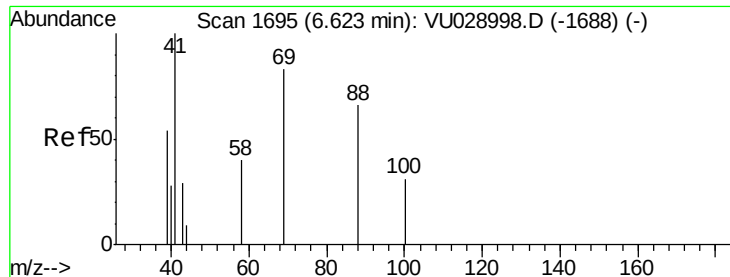
69 88.2 73.6 110.4

39 49.1 39.6 59.4



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

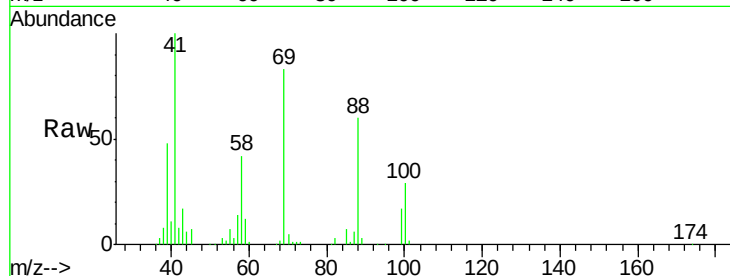




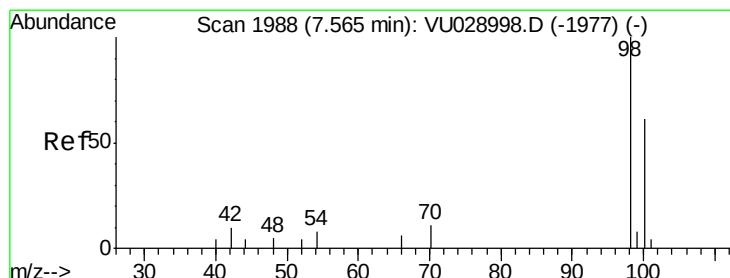
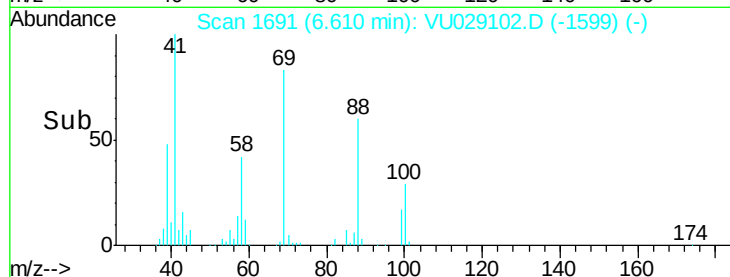
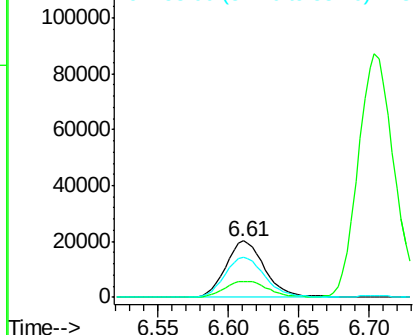
#49
1,4-Dioxane
Concen: 1081.394 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 38947
Ion Ratio Lower Upper
88 100
43 29.6 23.0 34.4
58 72.7 57.9 86.9

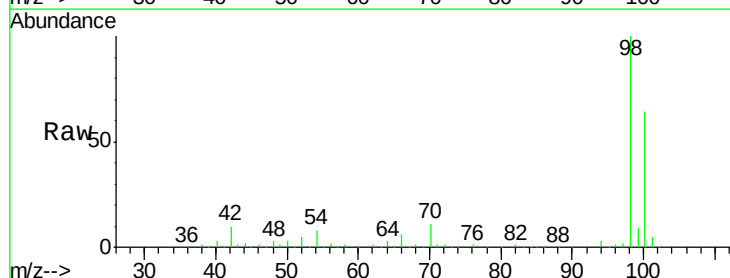


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

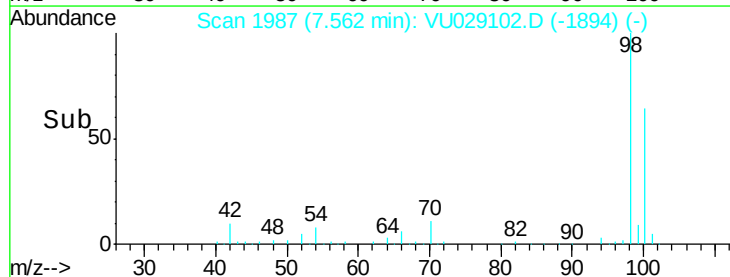
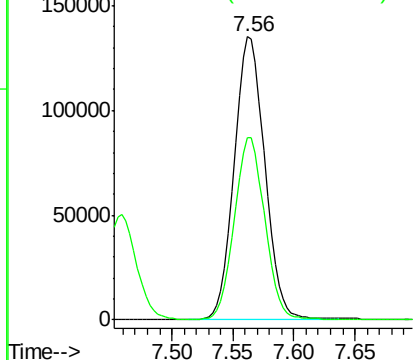


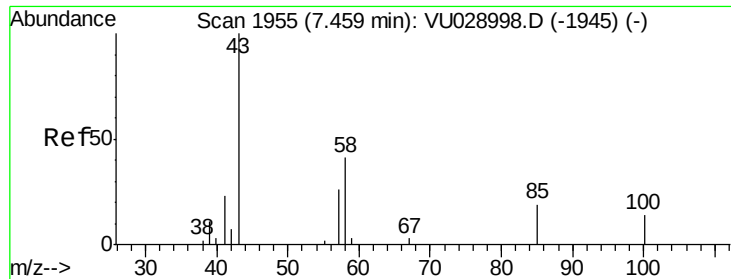
#50
Toluene-d8
Concen: 49.770 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 98 Resp: 236196
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 278.303 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

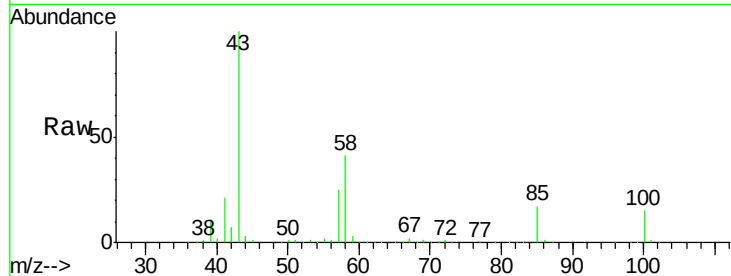
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 591140

Ion Ratio Lower Upper

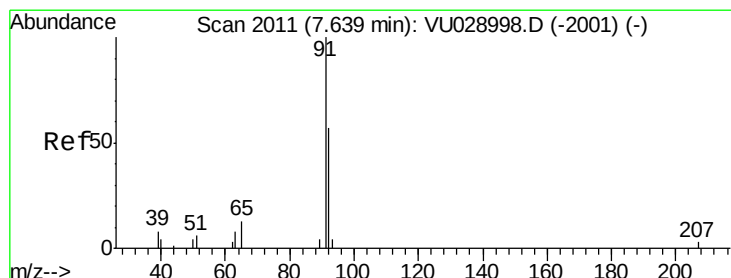
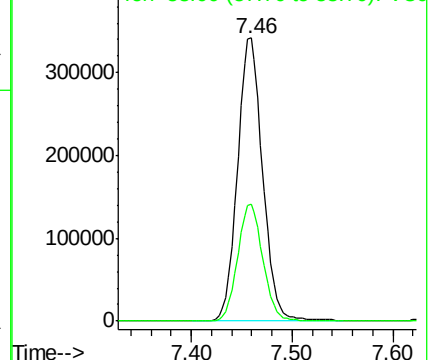
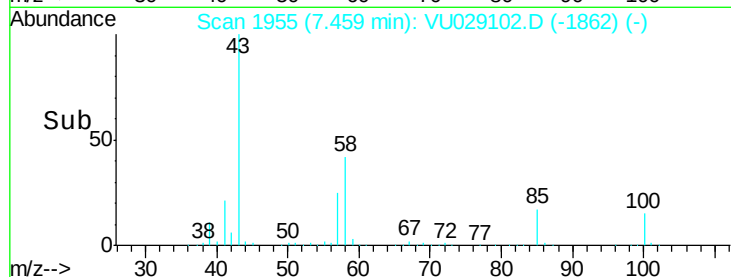
43 100

58 41.6 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU029102.D (-1862) (-)

Ion 58.00 (57.70 to 58.70): VU029102.D (-1862) (-)



#52

Toluene

Concen: 49.212 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029102.D

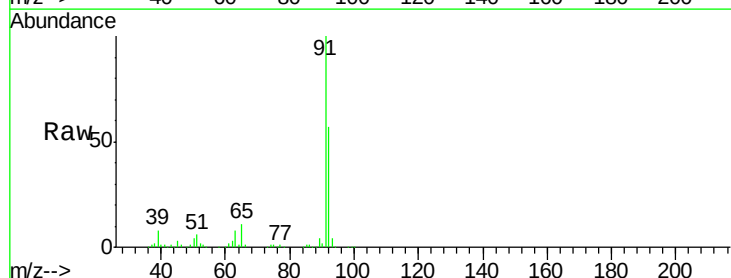
Acq: 09 Jan 2019 20:16

Tgt Ion: 92 Resp: 173218

Ion Ratio Lower Upper

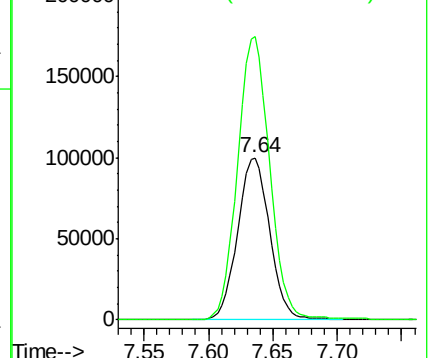
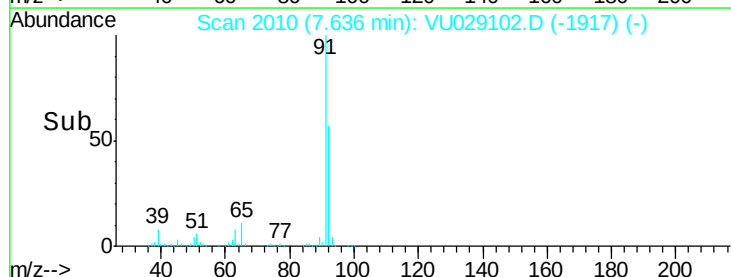
92 100

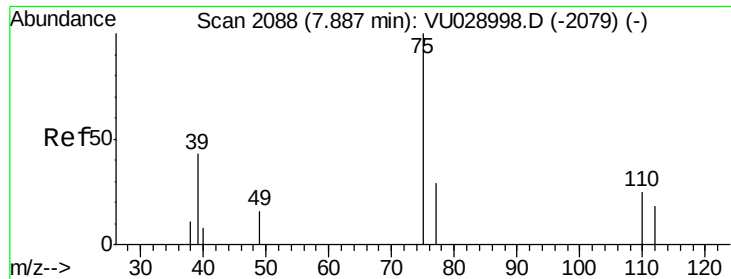
91 176.2 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU029102.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU029102.D (-1917) (-)

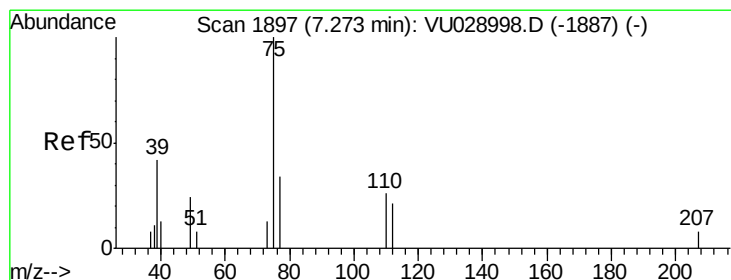
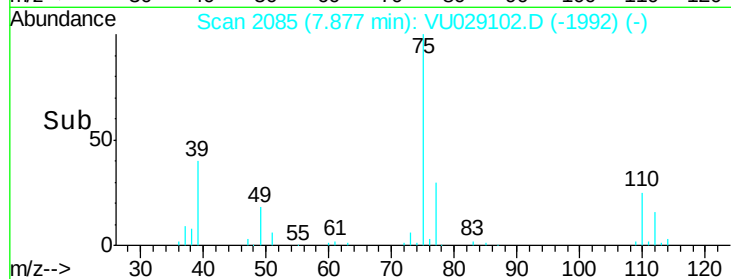
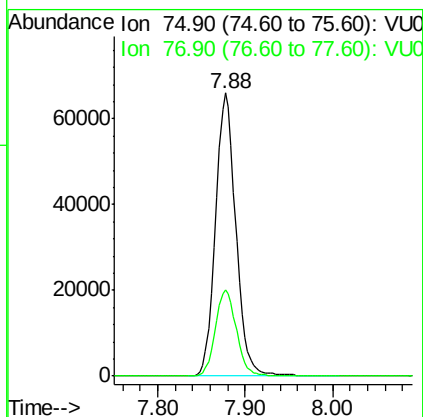
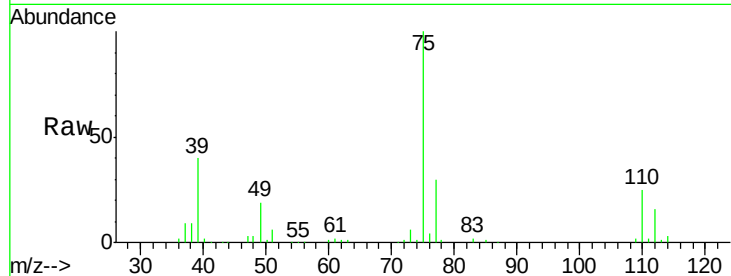




#53
t-1,3-Dichloropropene
Concen: 49.469 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

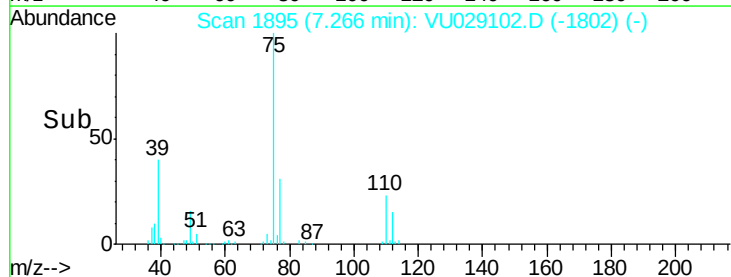
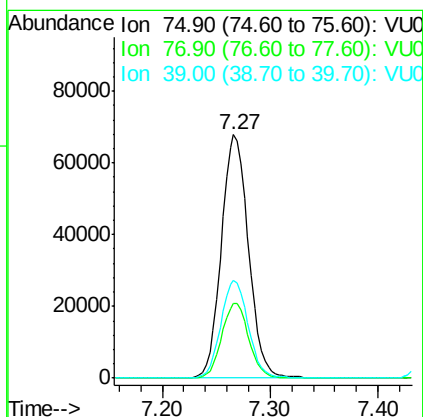
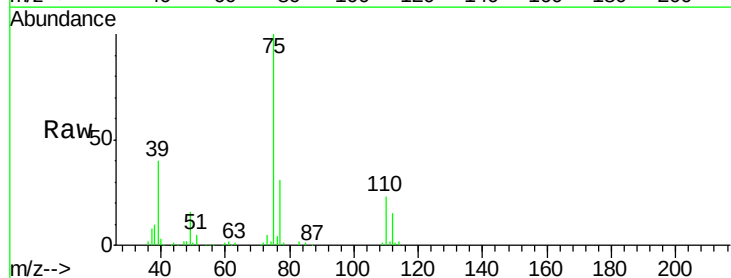
Instrument :
MSVOA_U
ClientSampleId :

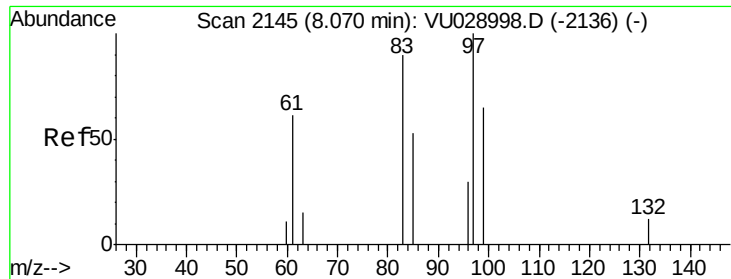
Tot Ion: 75 Resp: 106794
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 50.881 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 118692
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.6
39 40.3 32.2 48.4

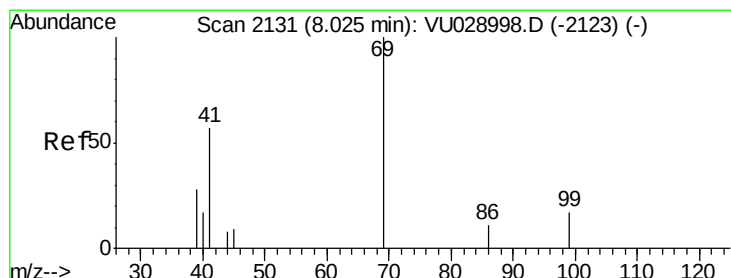
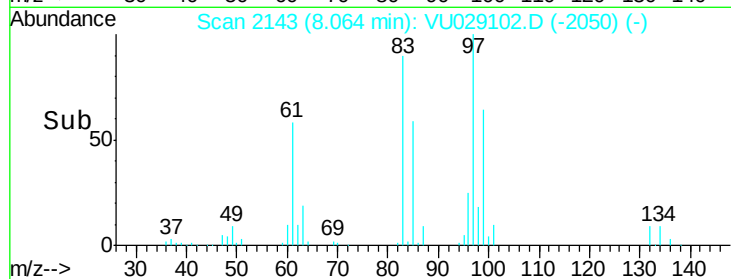
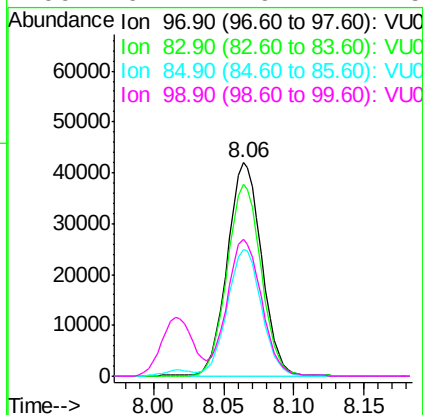
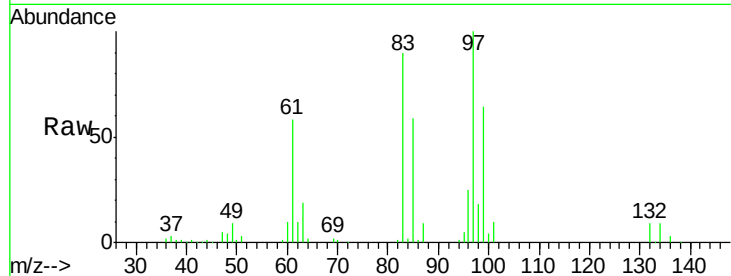




#55
 1,1,2-Trichloroethane
 Concen: 50.755 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

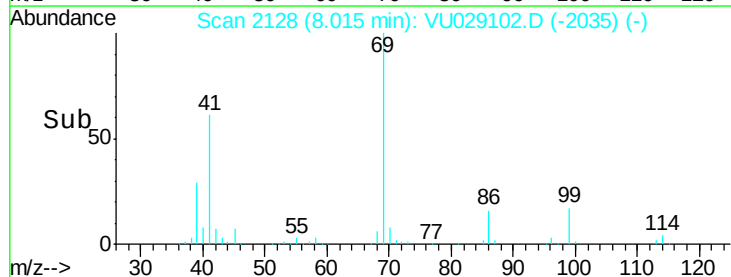
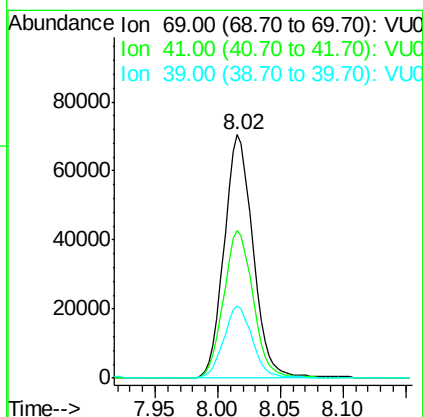
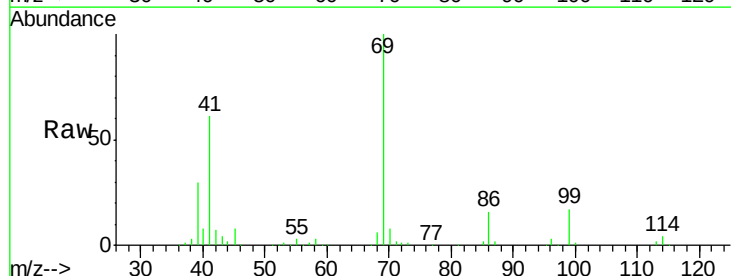
Instrument :
 MSVOA_U
 ClientSampleId :

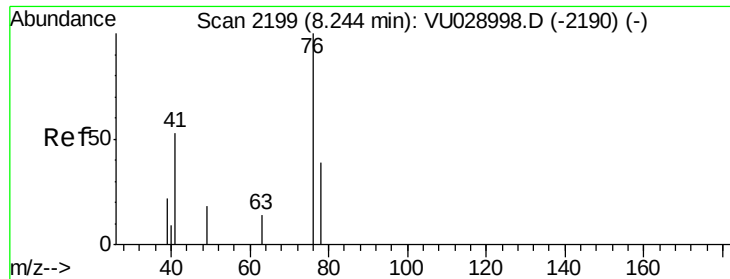
Tot Ion: 97 Resp: 71570
 Ion Ratio Lower Upper
 97 100
 83 89.7 69.8 104.8
 85 59.4 47.3 70.9
 99 64.4 49.7 74.5



#56
 Ethyl methacrylate
 Concen: 51.981 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 69 Resp: 112925
 Ion Ratio Lower Upper
 69 100
 41 61.9 47.5 71.3
 39 29.0 22.5 33.7





#57

1,3-Dichloropropane

Concen: 51.722 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

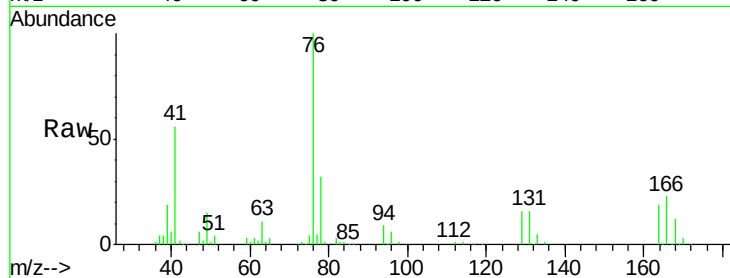
ClientSampled :

Tot Ion: 76 Resp: 124797

Ion Ratio Lower Upper

76 100

78 31.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VU028998.D (-2190) (-)

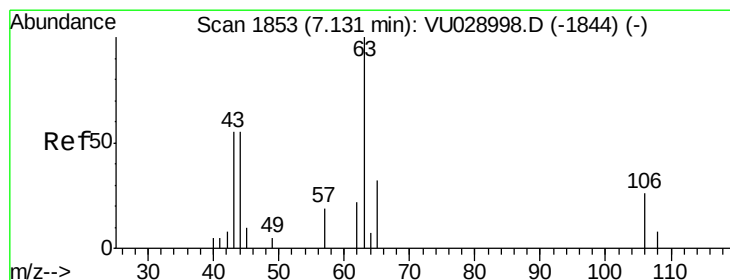
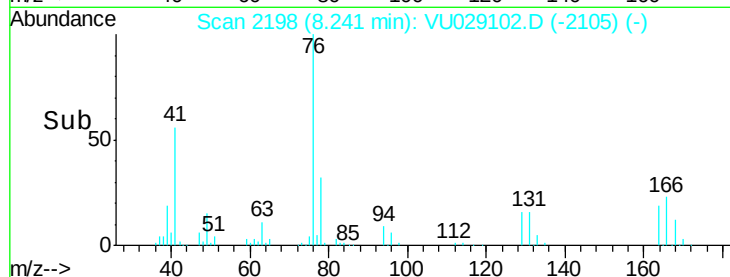
Ion 77.90 (77.60 to 78.60): VU028998.D (-2190) (-)

8.24

8.25

8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 284.731 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU029102.D

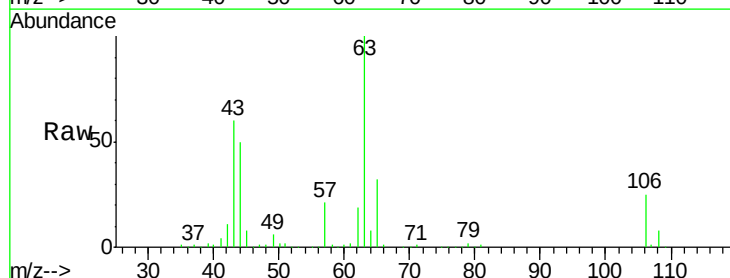
Acq: 09 Jan 2019 20:16

Tgt Ion: 63 Resp: 272029

Ion Ratio Lower Upper

63 100

106 25.2 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU028998.D (-1844) (-)

Ion 105.90 (105.60 to 106.60): VU028998.D (-1844) (-)

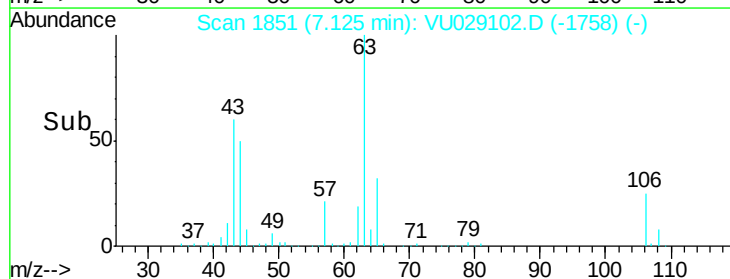
7.12

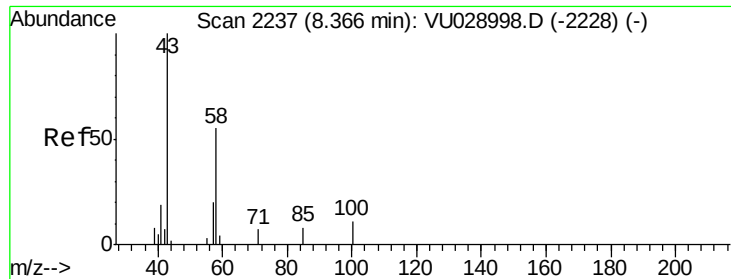
7.15

7.20

7.25

Time-->

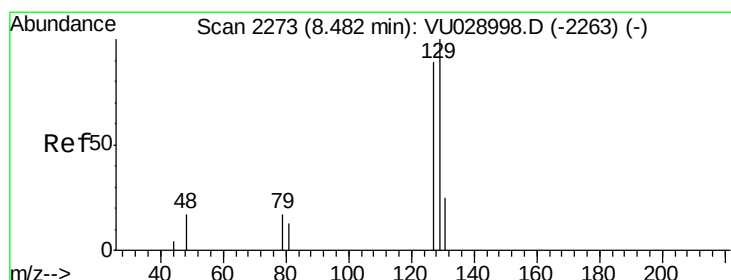
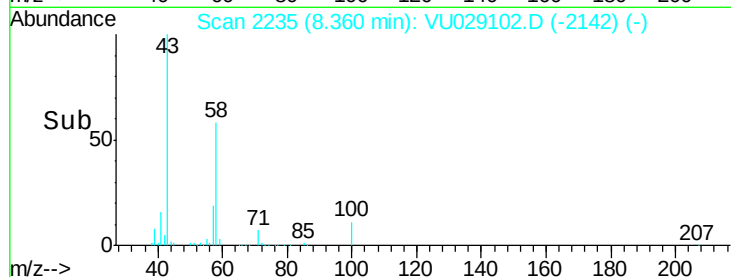
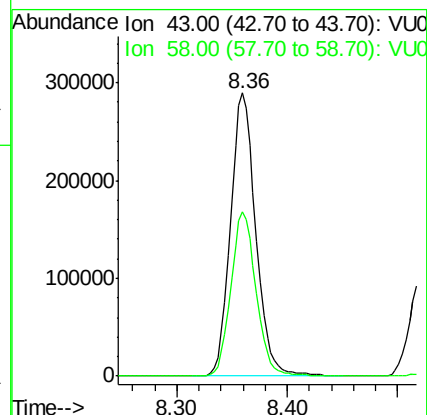
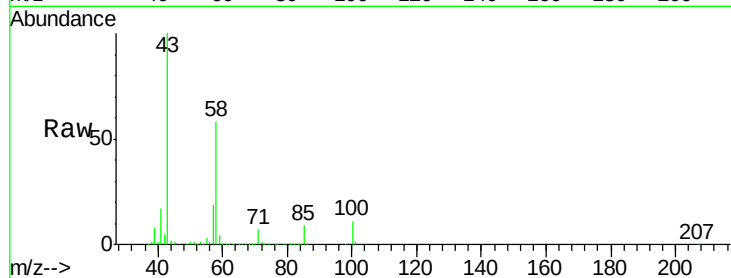




#59
2-Hexanone
Concen: 275.195 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

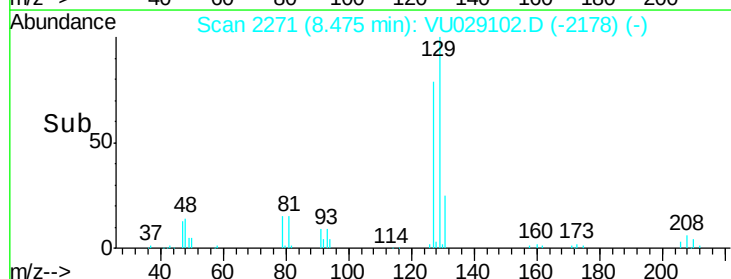
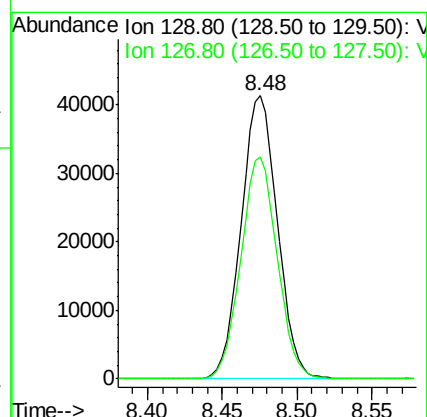
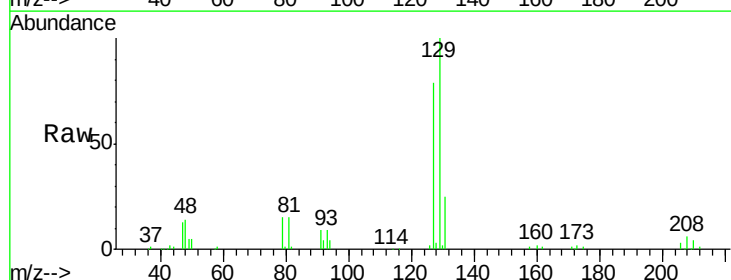
Instrument :
MSVOA_U
ClientSampleId :

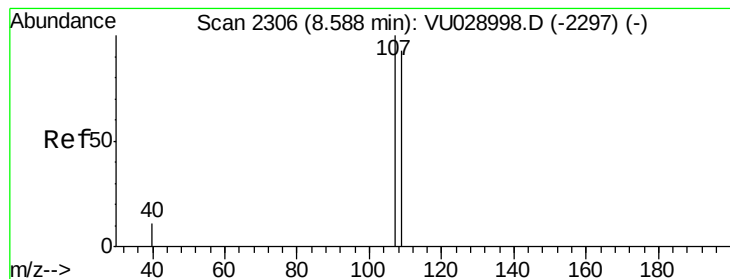
Tot Ion: 43 Resp: 458842
Ion Ratio Lower Upper
43 100
58 58.1 29.8 89.4



#60
Dibromochloromethane
Concen: 50.058 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 129 Resp: 69932
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 51.233 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

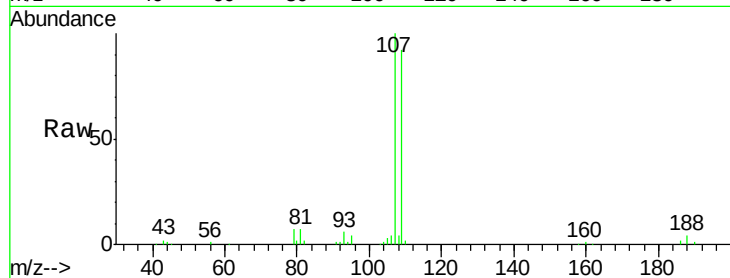
ClientSampled :

Tot Ion:107 Resp: 78353

Ion Ratio Lower Upper

107 100

109 92.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

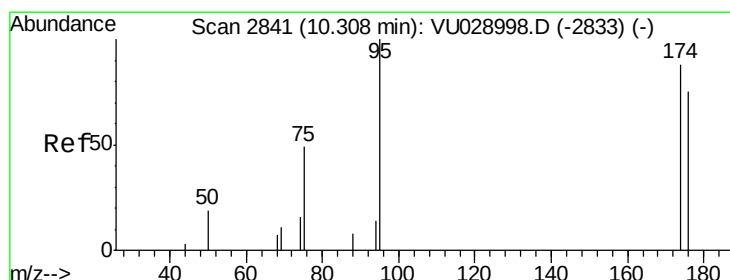
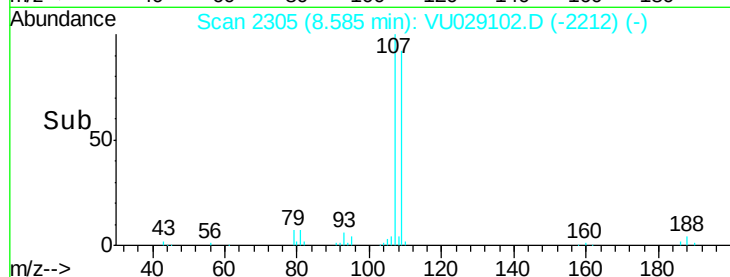
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.478 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

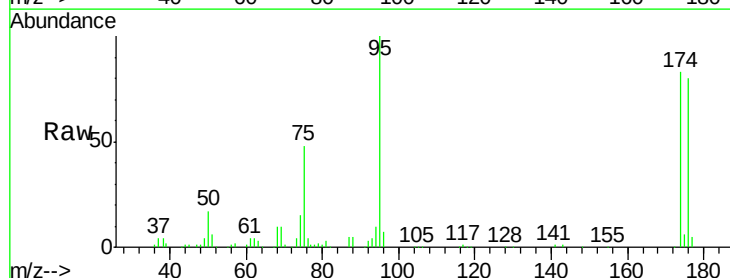
Tgt Ion: 95 Resp: 84387

Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.6

176 80.7 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

10.30

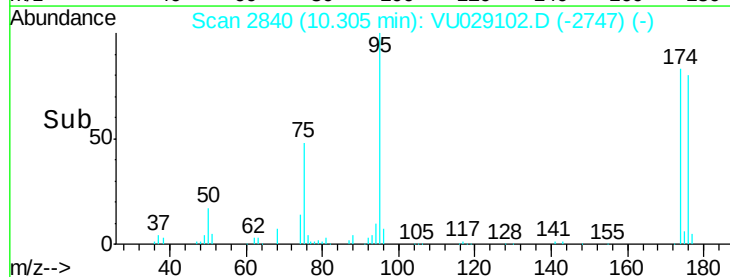
60000

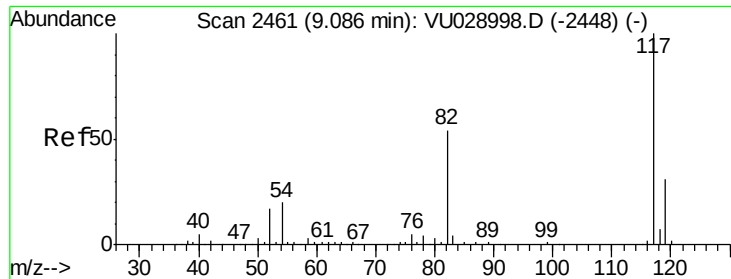
40000

20000

0

Time-->

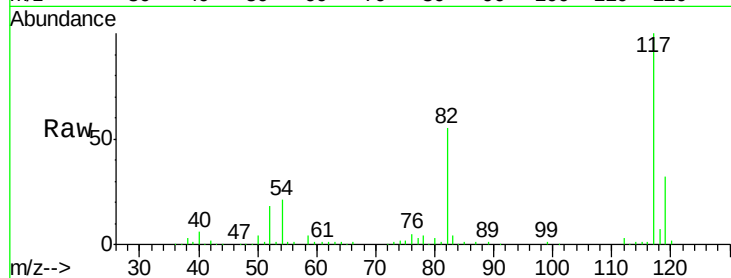




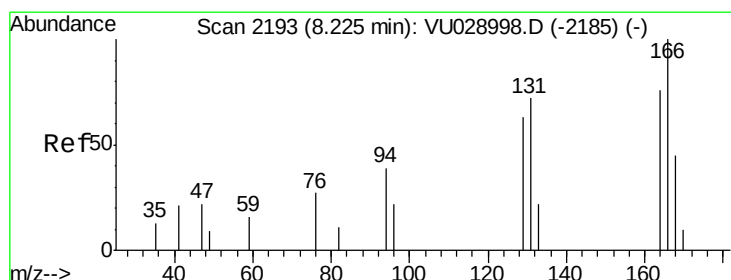
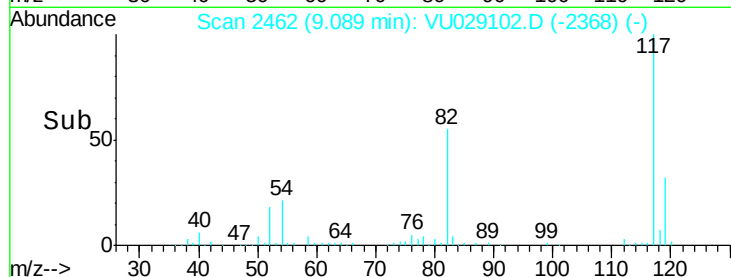
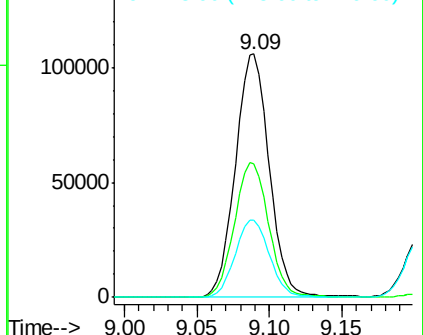
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 171920
Ion Ratio Lower Upper
117 100
82 55.0 43.9 65.9
119 32.0 26.0 39.0

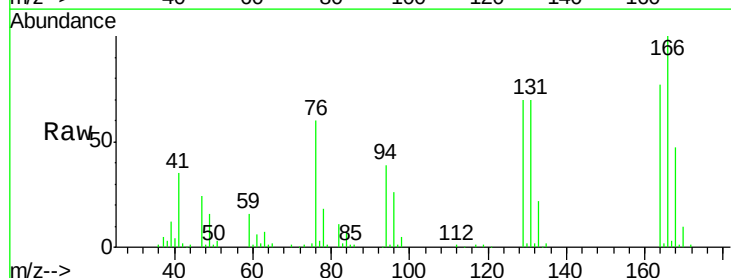


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

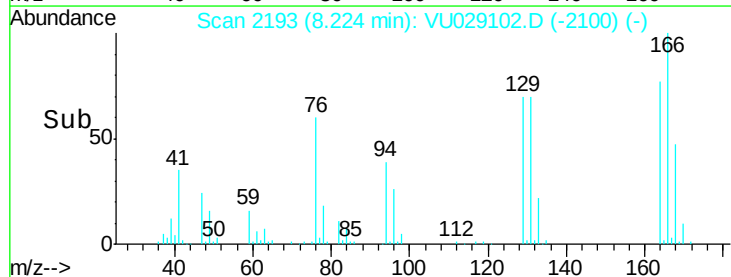
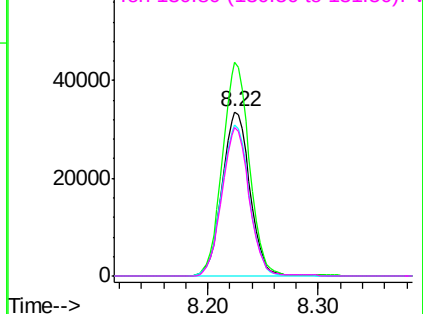


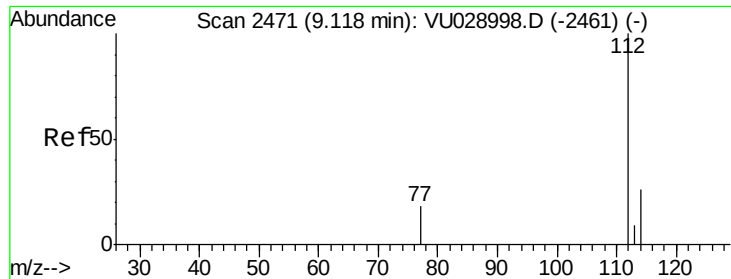
#64
Tetrachloroethene
Concen: 47.208 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:164 Resp: 58464
Ion Ratio Lower Upper
164 100
166 130.1 99.4 149.0
129 91.6 70.5 105.7
131 90.6 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

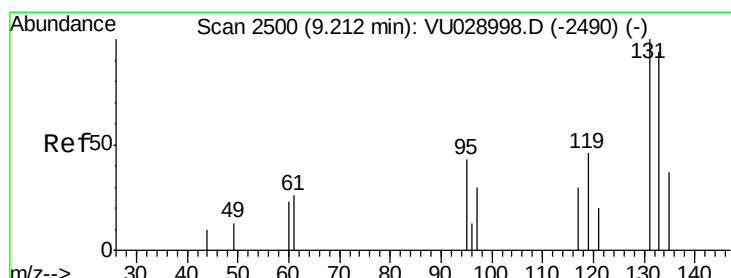
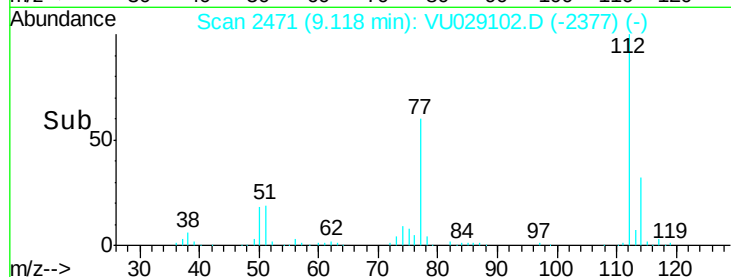
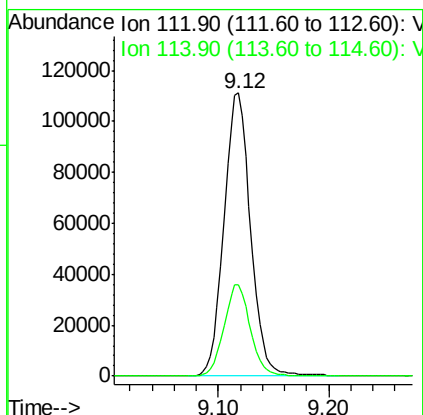
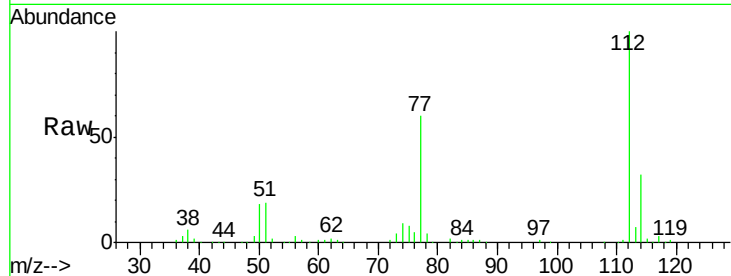




#65
Chlorobenzene
Concen: 48.246 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

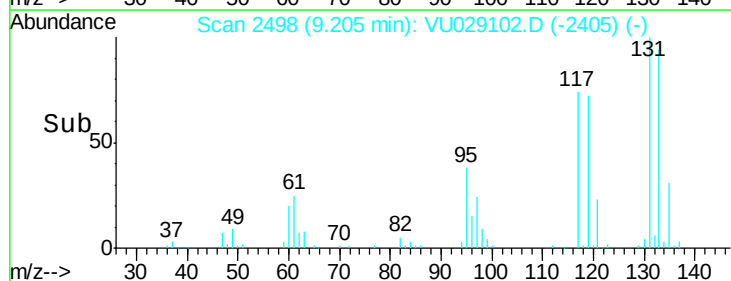
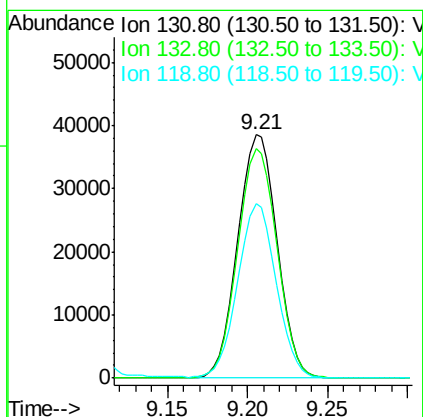
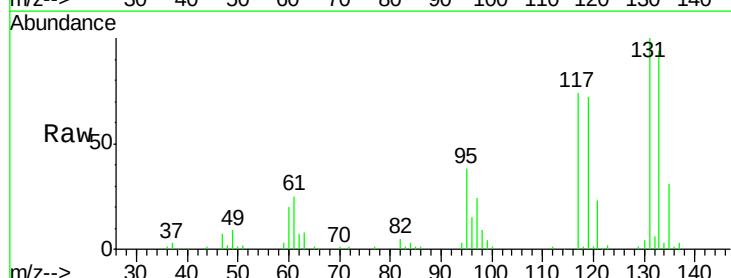
Instrument :
MSVOA_U
ClientSampleId :

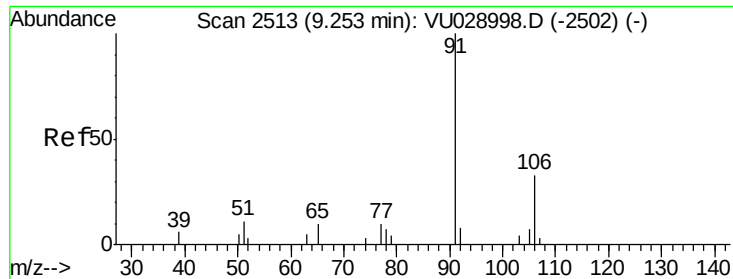
Tot Ion:112 Resp: 185924
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.714 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:131 Resp: 64673
Ion Ratio Lower Upper
131 100
133 94.4 48.2 144.6
119 70.3 35.4 106.3

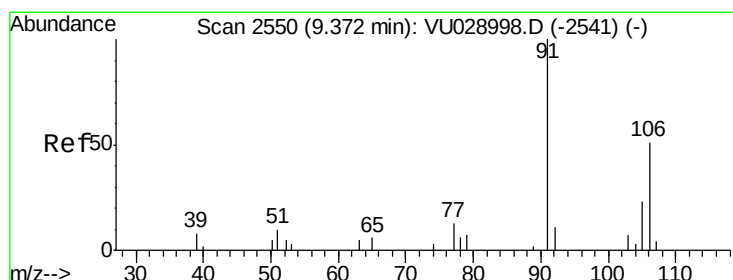
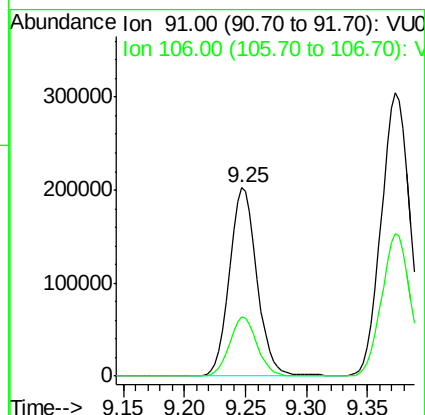
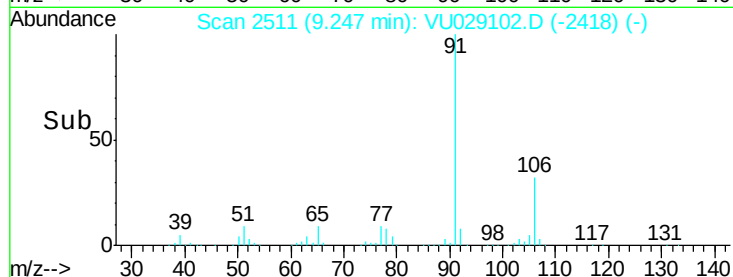
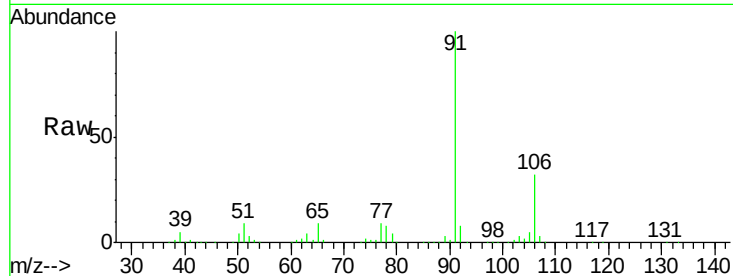




#67
Ethyl Benzene
Concen: 49.866 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

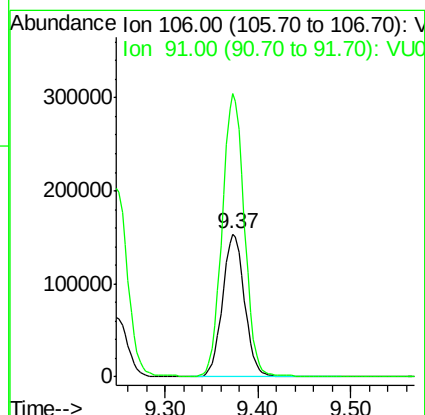
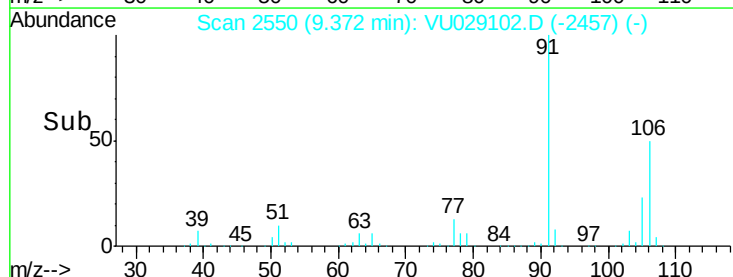
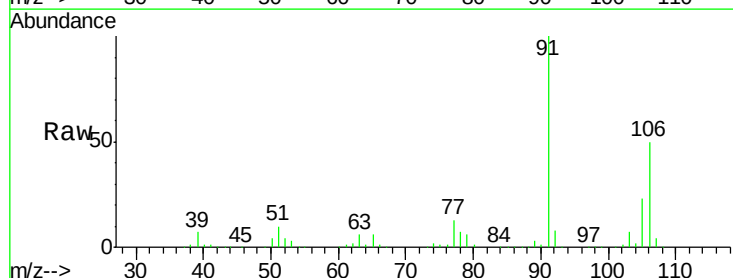
Instrument :
MSVOA_U
ClientSampleId :

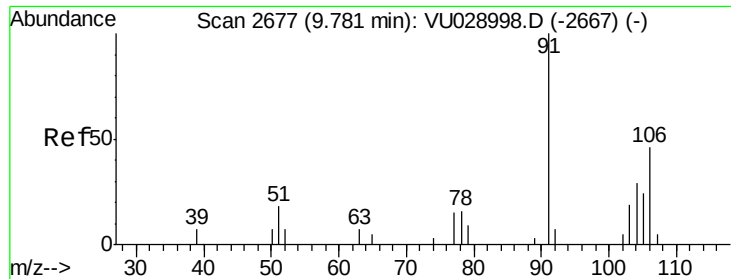
Tot Ion: 91 Resp: 320833
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4



#68
m/p-Xylenes
Concen: 101.331 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 106 Resp: 253314
Ion Ratio Lower Upper
106 100
91 199.9 161.7 242.5

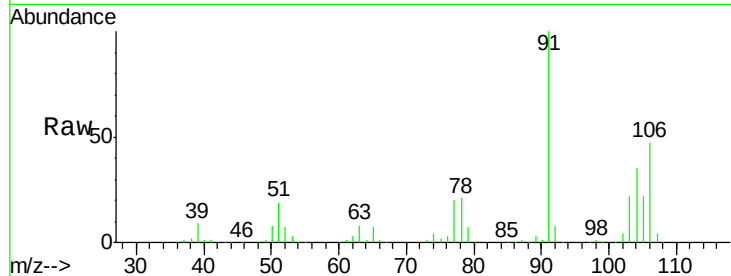




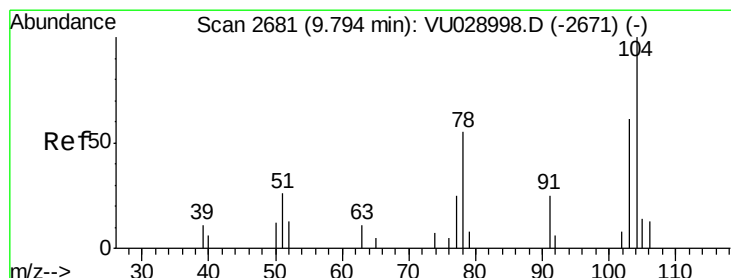
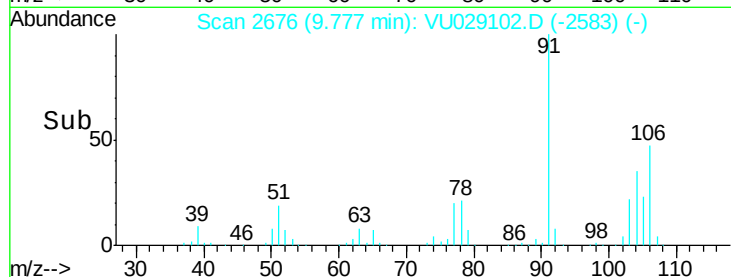
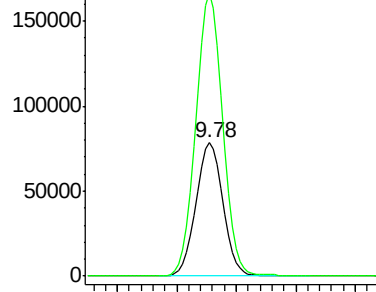
#69
o-Xylene
Concen: 51.254 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 123457
Ion Ratio Lower Upper
106 100
91 210.6 106.1 318.3

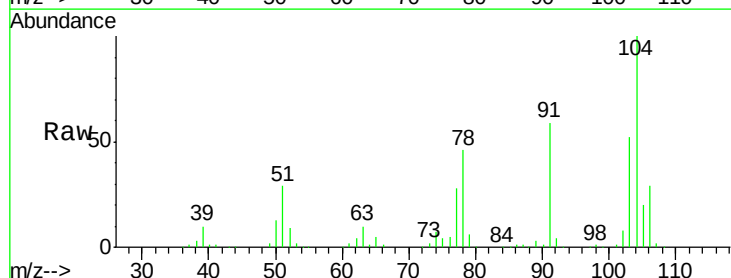


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

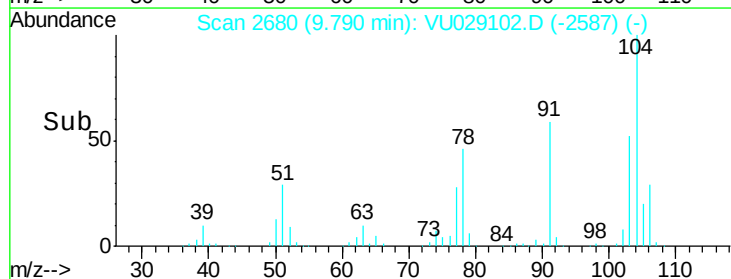
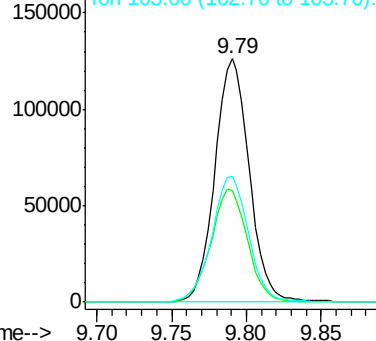


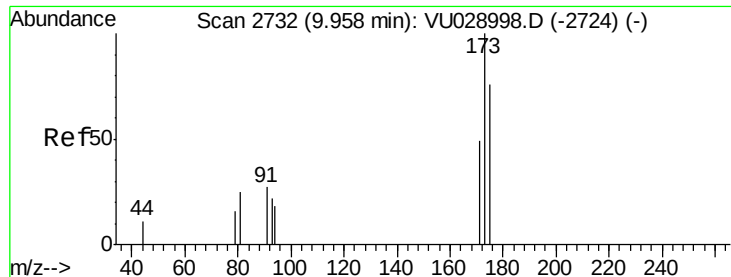
#70
Styrene
Concen: 51.120 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:104 Resp: 201858
Ion Ratio Lower Upper
104 100
78 49.8 38.6 58.0
103 55.7 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: 51.598 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :

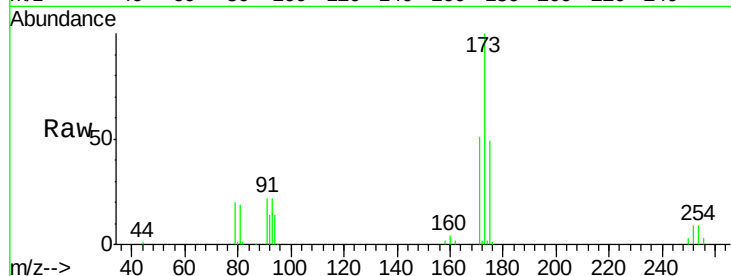
Tot Ion:173 Resp: 57457

Ion Ratio Lower Upper

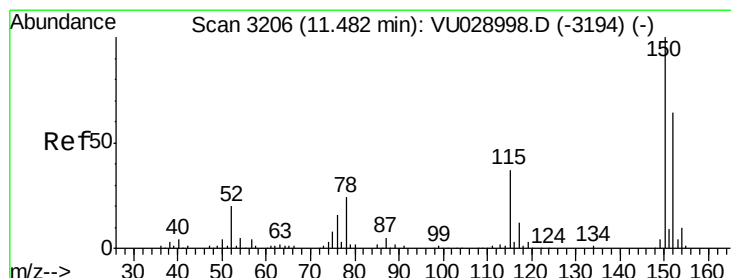
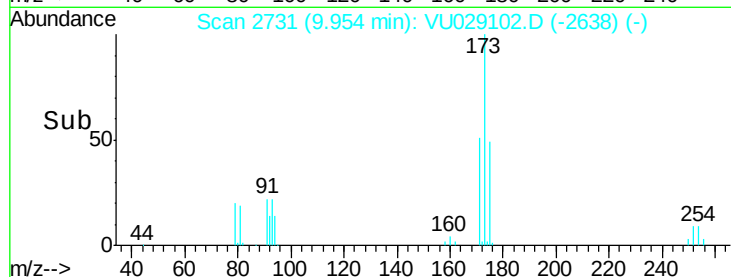
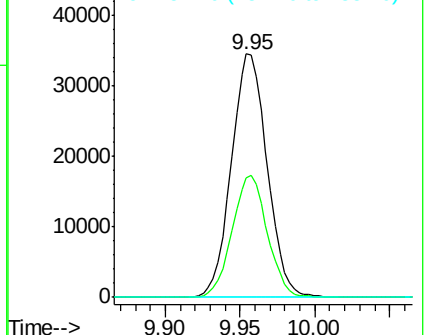
173 100

175 49.0 23.8 71.2

254 0.0 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: VU029102.D

Acq: 09 Jan 2019 20:16

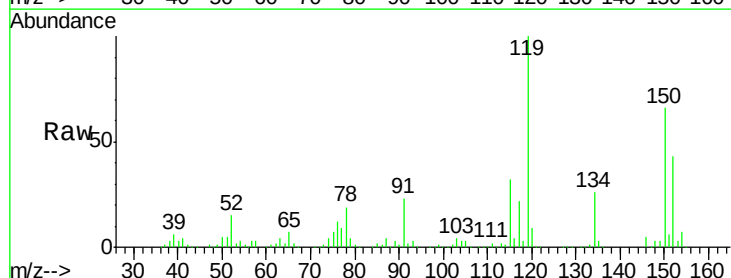
Tgt Ion:152 Resp: 88794

Ion Ratio Lower Upper

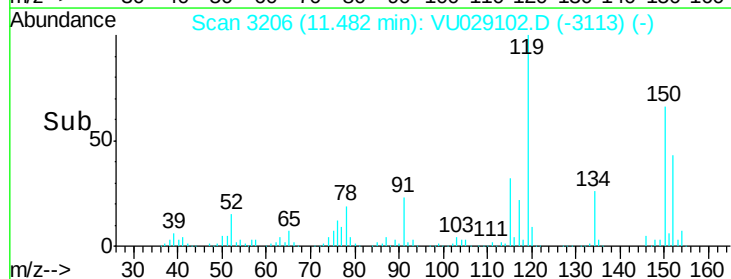
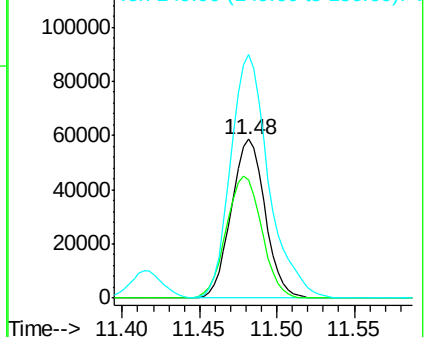
152 100

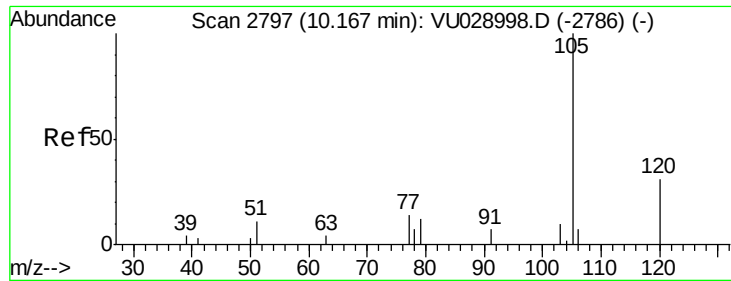
115 80.8 40.1 120.3

150 172.3 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: 48.099 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

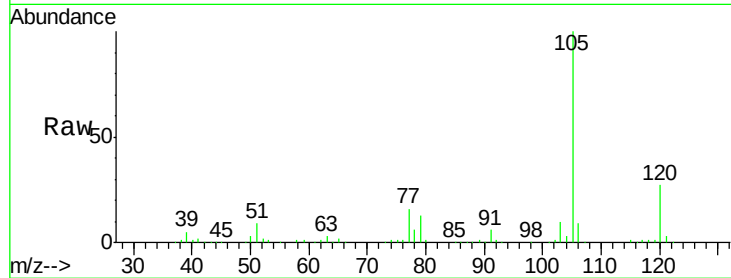
ClientSampleId :

Tot Ion:105 Resp: 316119

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

10.16

200000

150000

100000

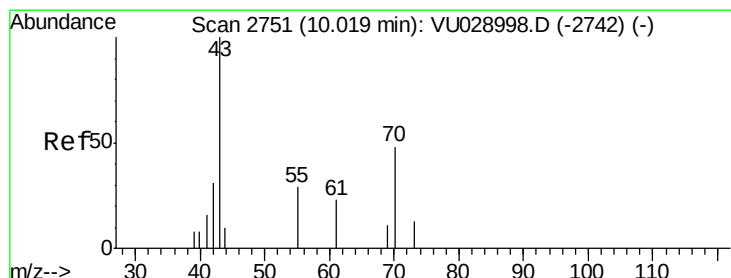
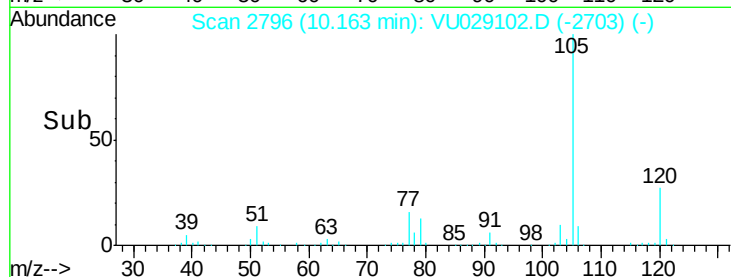
50000

0

Time-->

10.10

10.20



#74

N-ethyl acetate

Concen: 53.059 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion: 43 Resp: 150267

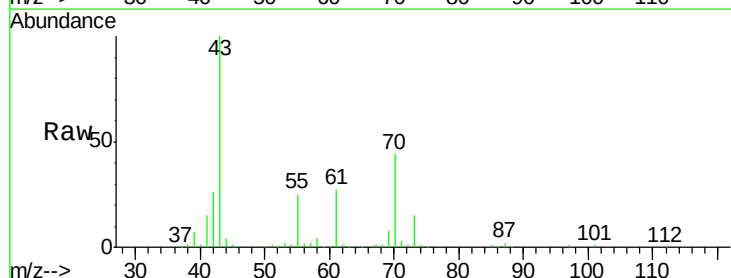
Ion Ratio Lower Upper

43 100

70 44.1 36.3 54.5

55 25.9 20.5 30.7

61 26.1 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

10.01

150000

100000

50000

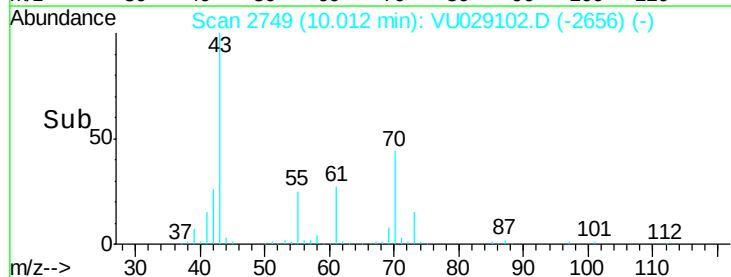
0

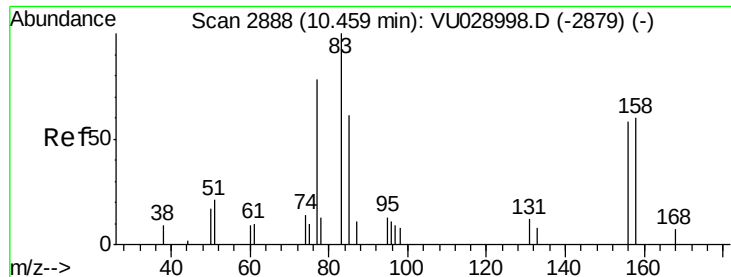
Time-->

9.90

10.00

10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.519 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampled :

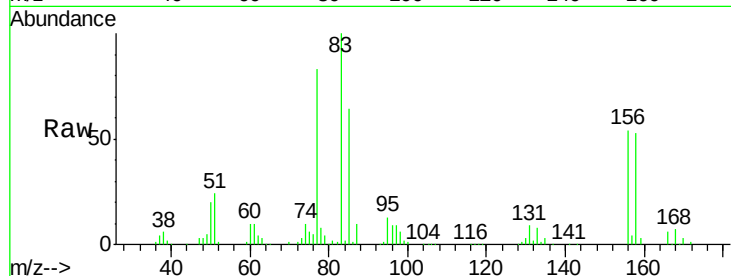
Tot Ion: 83 Resp: 130437

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.1

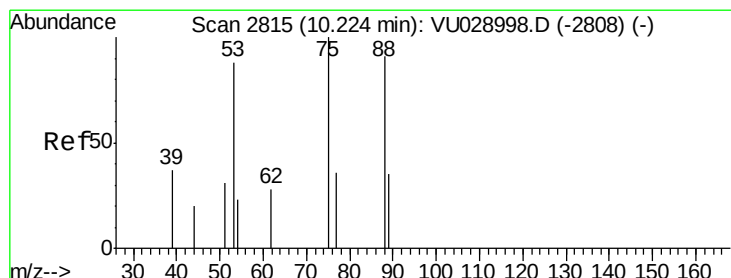
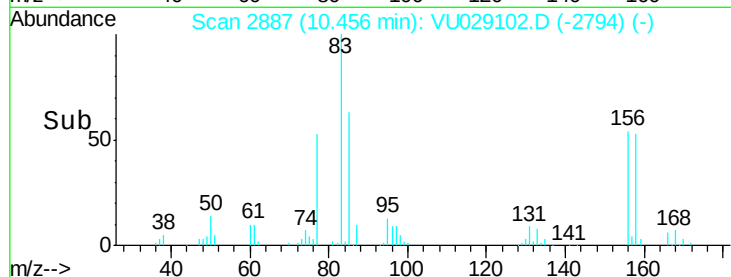
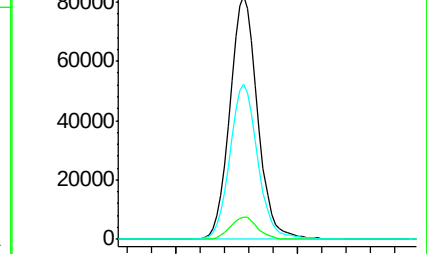
85 64.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)



#76

1,2,3-Trichloropropane

Concen: 68.455 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029102.D

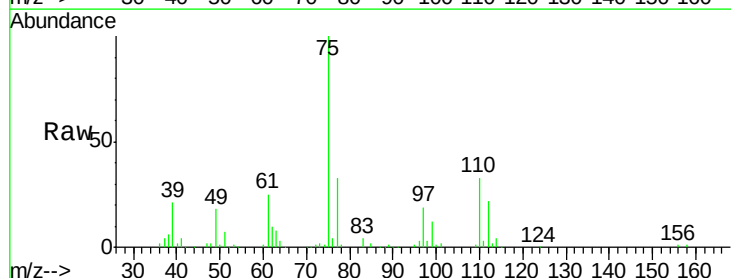
Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 148930

Ion Ratio Lower Upper

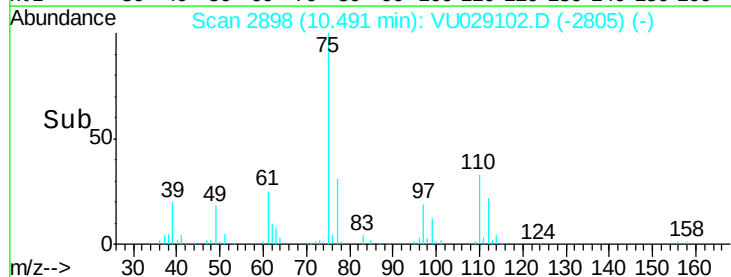
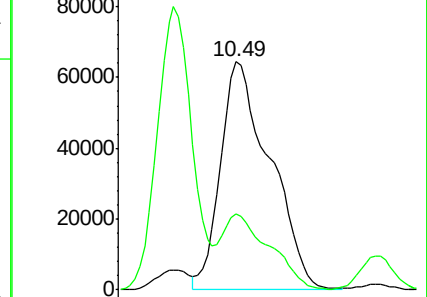
75 100

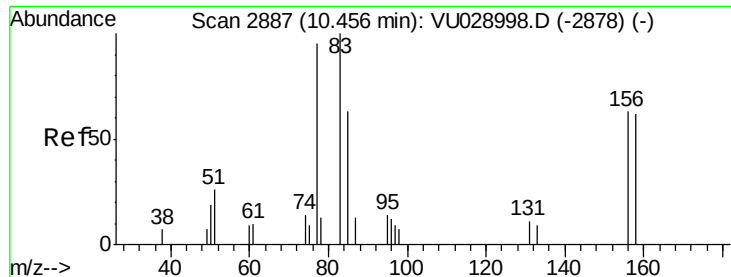
77 30.9 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)





#77

Bromobenzene

Concen: 47.234 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

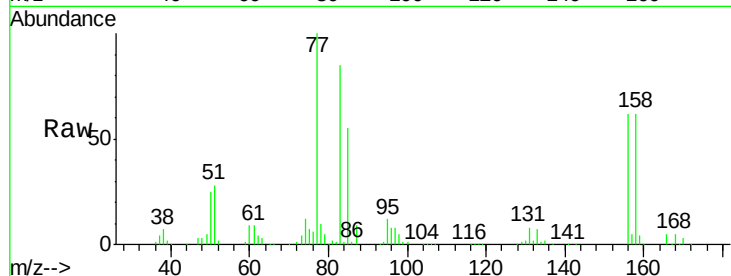
Tot Ion:156 Resp: 80900

Ion Ratio Lower Upper

156 100

77 159.4 79.0 237.2

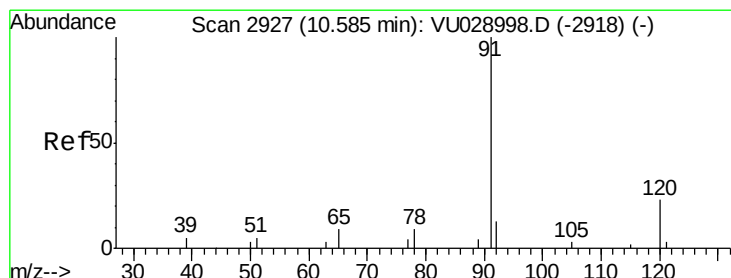
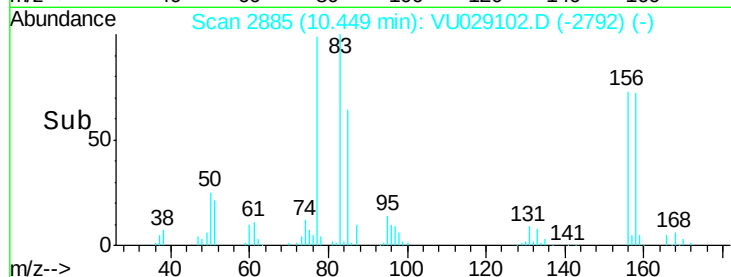
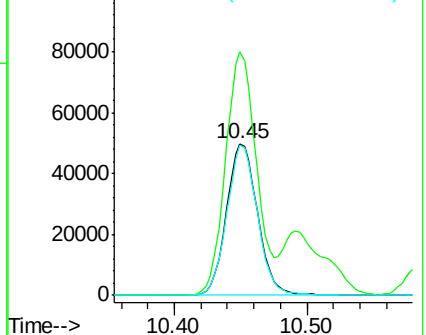
158 97.5 48.9 146.6



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: 49.752 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029102.D

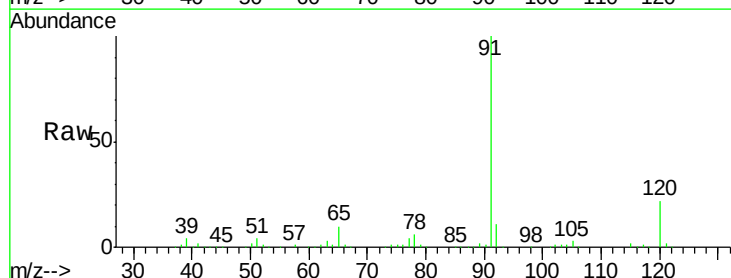
Acq: 09 Jan 2019 20:16

Tgt Ion: 91 Resp: 385348

Ion Ratio Lower Upper

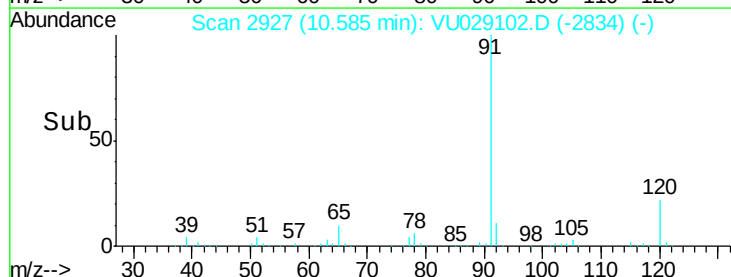
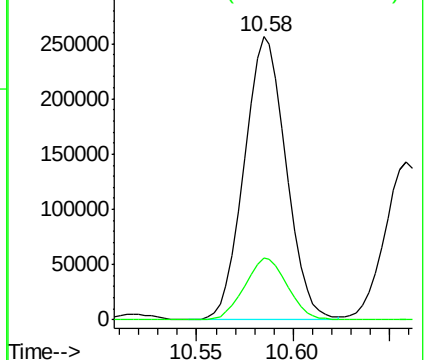
91 100

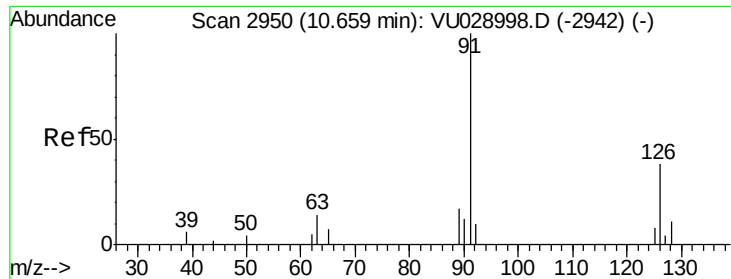
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.106 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

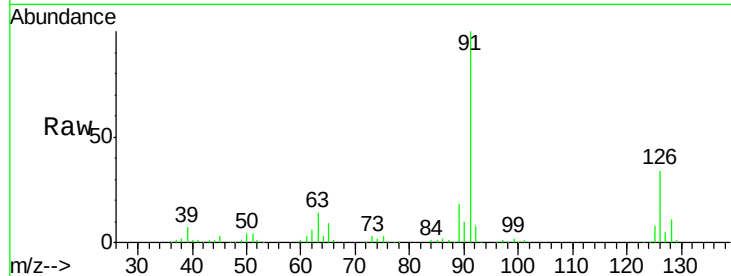
ClientSampleId :

Tot Ion: 91 Resp: 226022

Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2942) (-)

300000

250000

200000

150000

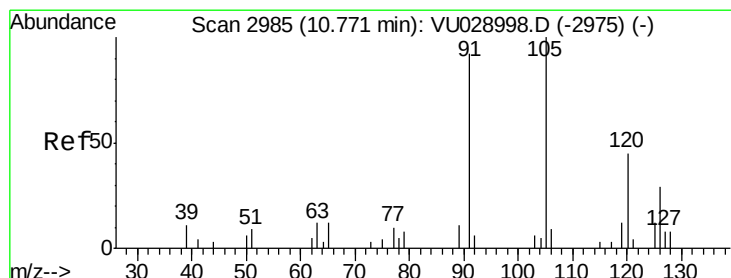
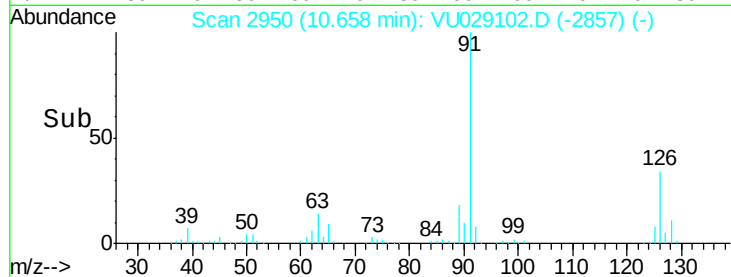
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.565 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029102.D

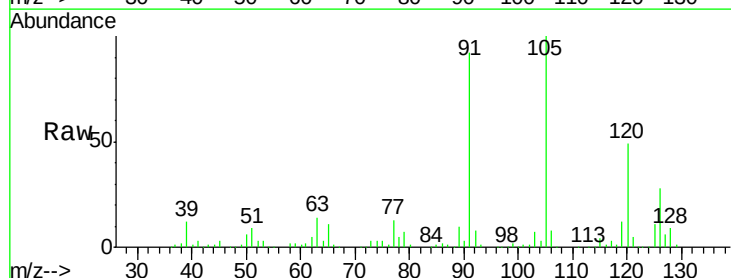
Acq: 09 Jan 2019 20:16

Tgt Ion: 105 Resp: 272033

Ion Ratio Lower Upper

105 100

120 48.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)

200000

150000

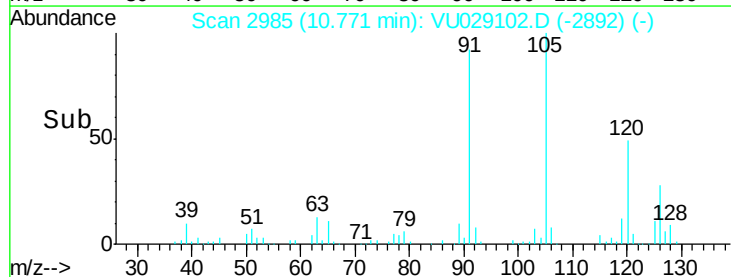
100000

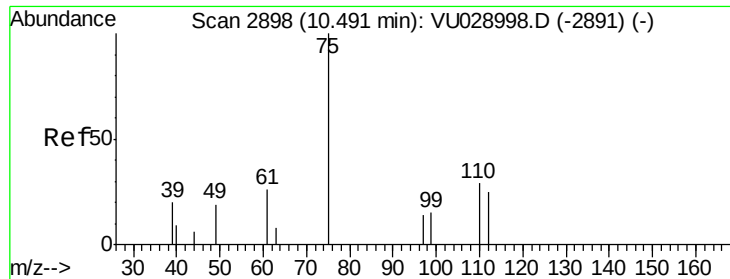
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 176.549 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampled :

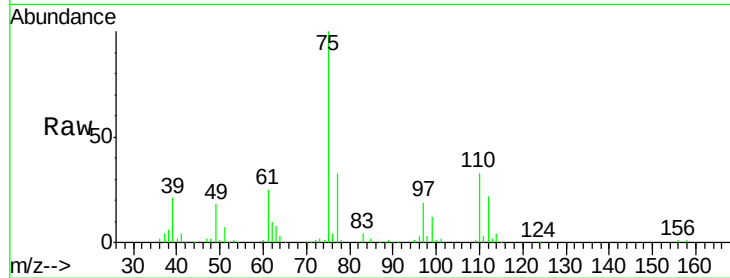
Tot Ion: 75 Resp: 148930

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

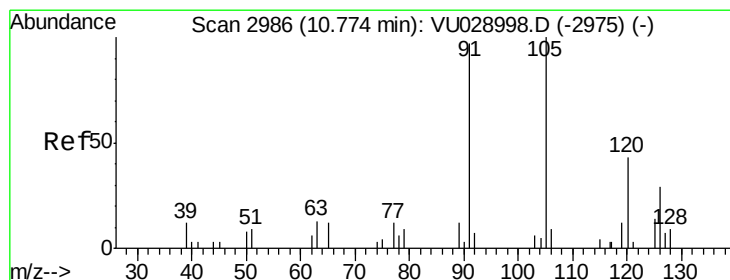
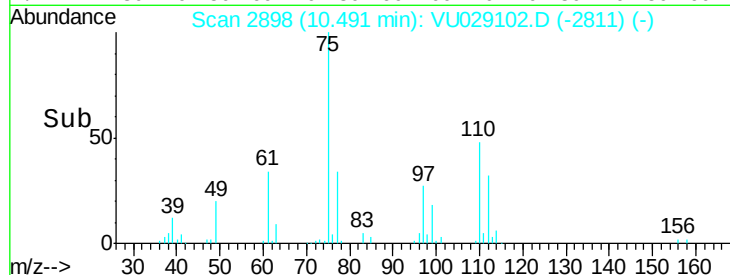
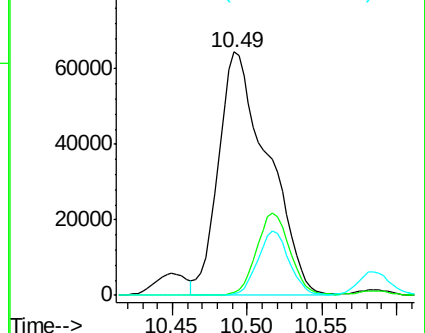
89 0.0 0.0 0.0



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: 47.585 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029102.D

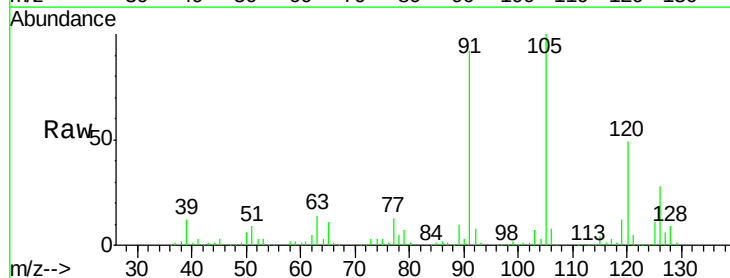
Acq: 09 Jan 2019 20:16

Tgt Ion: 91 Resp: 256363

Ion Ratio Lower Upper

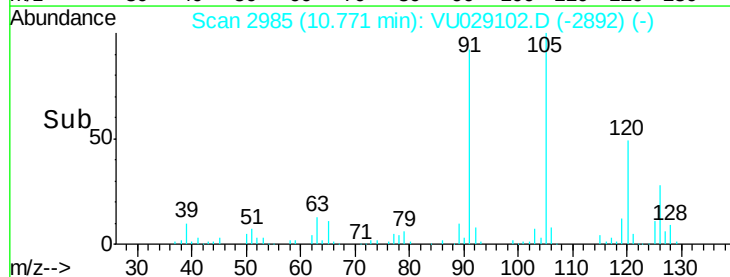
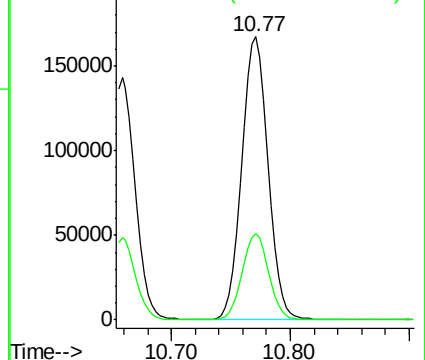
91 100

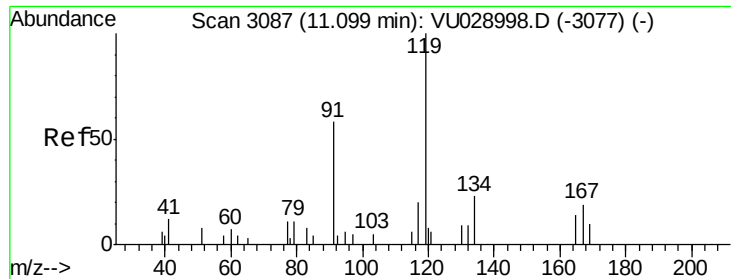
126 30.7 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

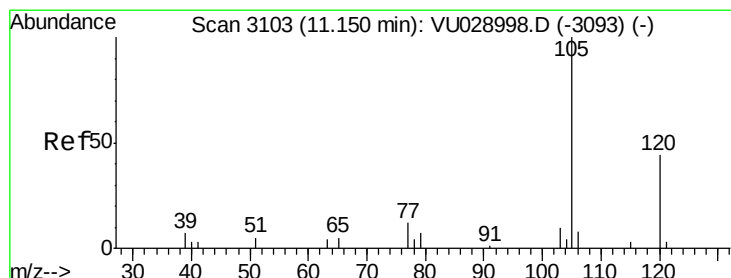
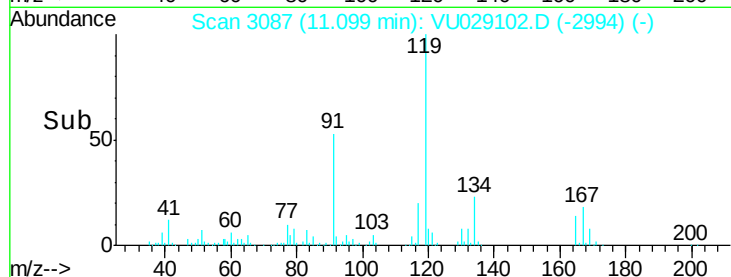
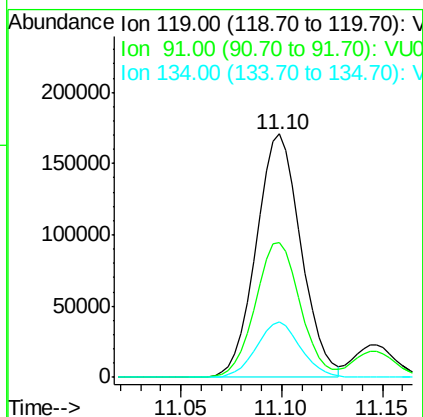
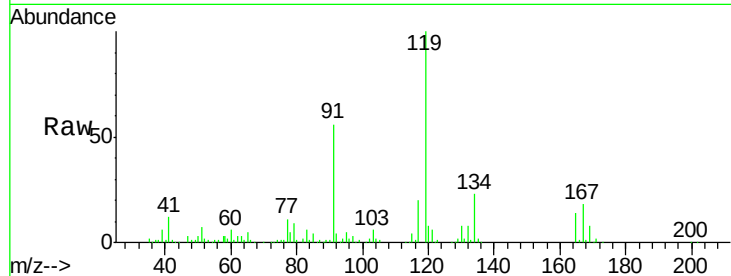




#83
 tert-Butylbenzene
 Concen: 48.814 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

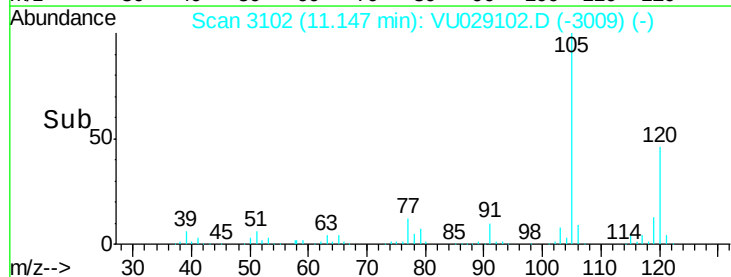
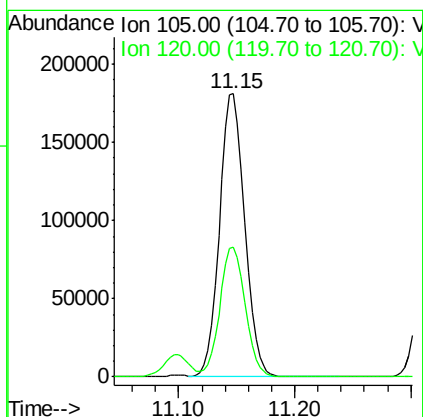
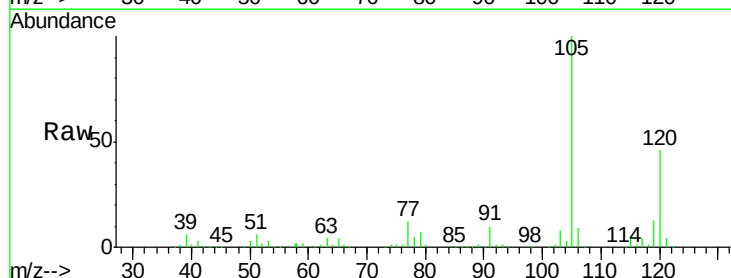
Instrument :
 MSVOA_U
 ClientSampleId :

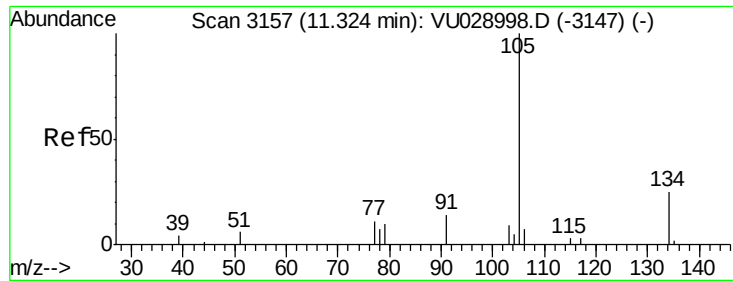
Tot Ion:119 Resp: 264060
 Ion Ratio Lower Upper
 119 100
 91 55.8 28.2 84.6
 134 22.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 49.837 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion:105 Resp: 273086
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.3

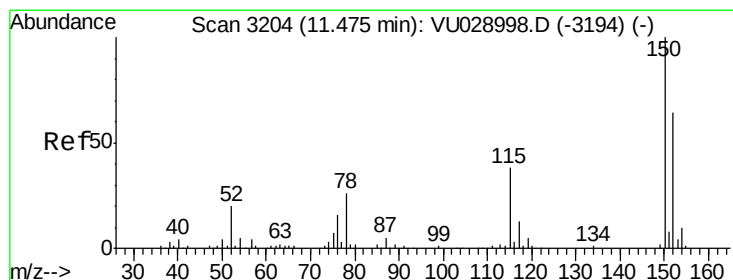
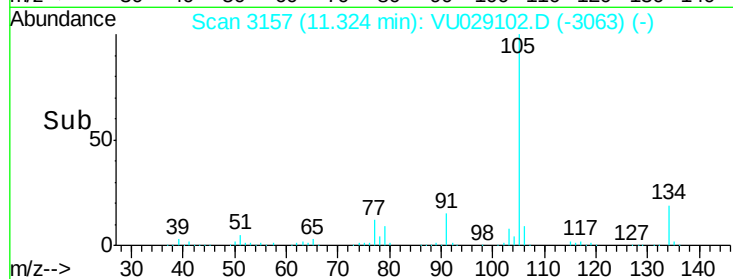
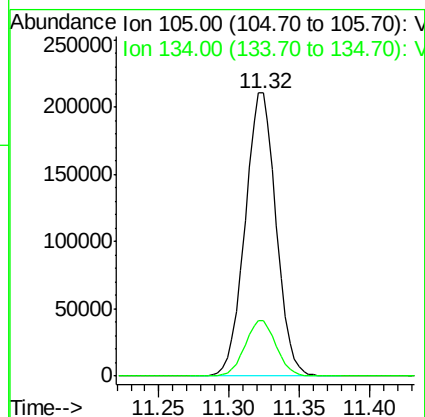
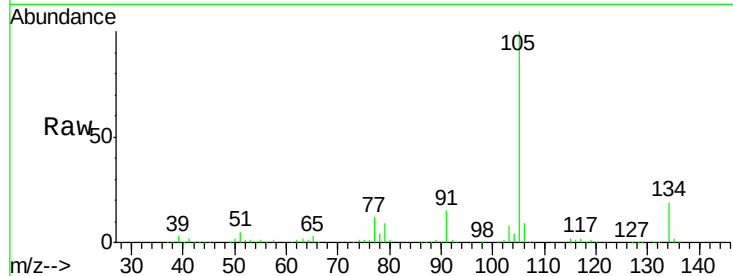




#85
 sec-Butylbenzene
 Concen: 49.582 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

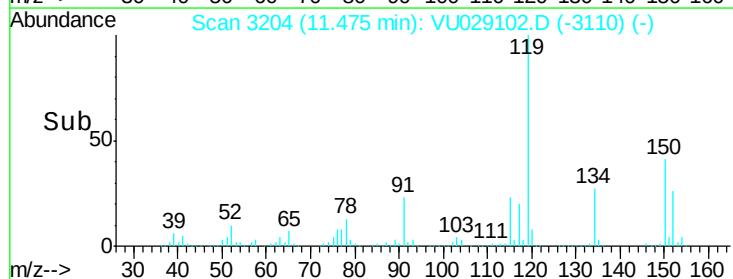
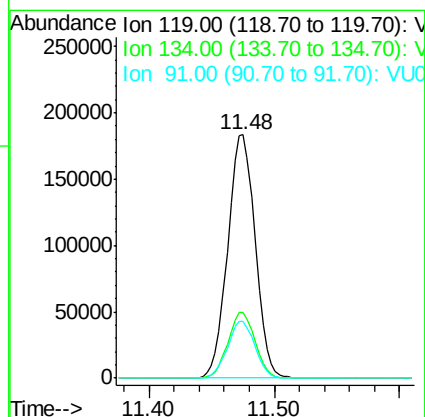
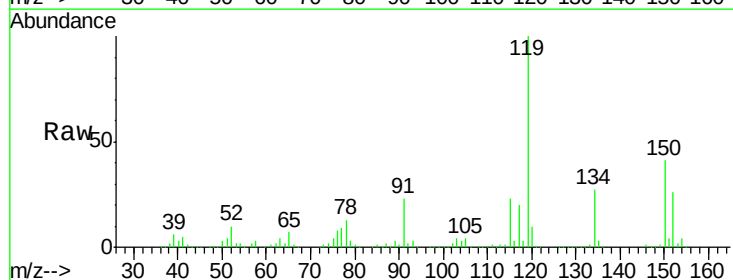
Instrument :
 MSVOA_U
 ClientSampled :

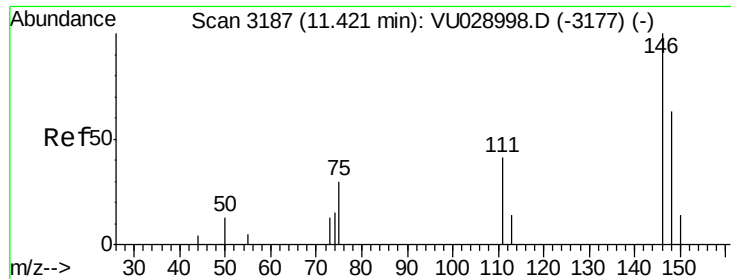
Tot Ion:105 Resp: 324379
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 49.927 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion:119 Resp: 278336
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 23.2 11.3 33.8

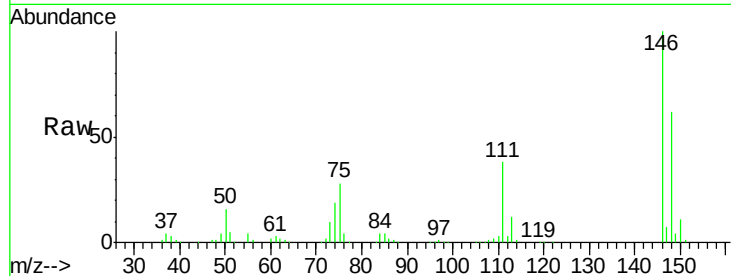




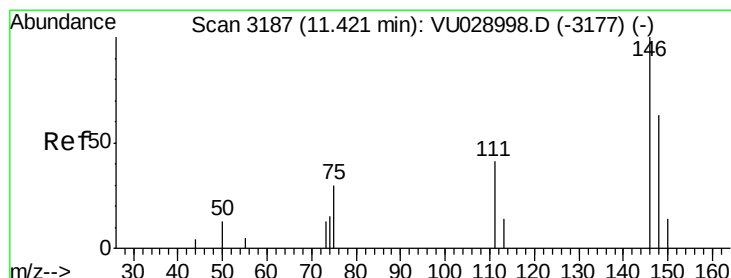
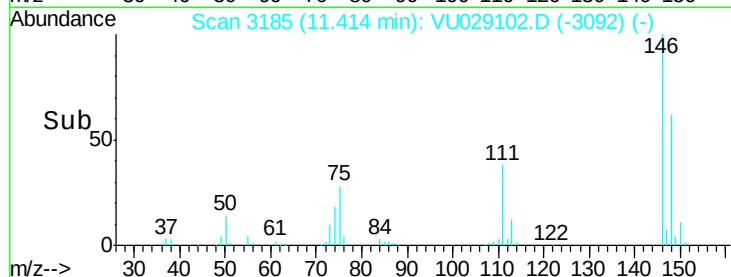
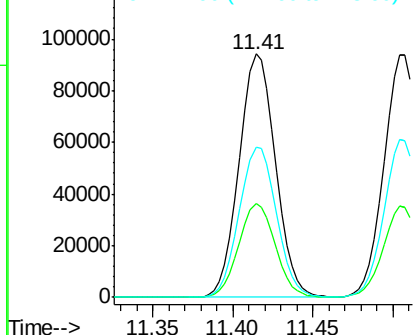
#87
 1,3-Dichlorobenzene
 Concen: 46.445 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 145908
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.8
 148 63.5 32.5 97.5

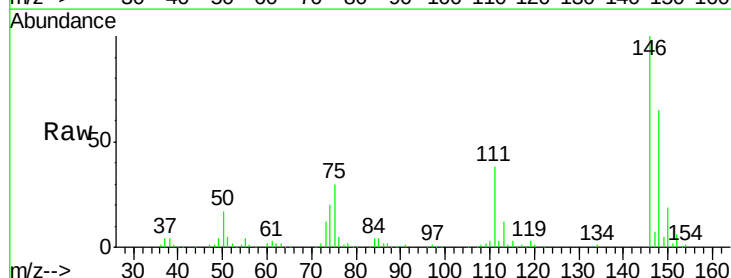


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

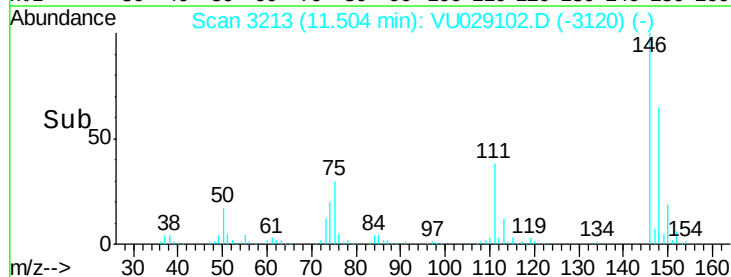
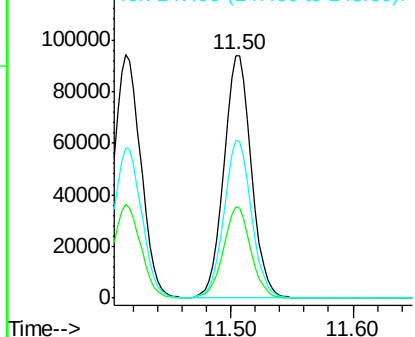


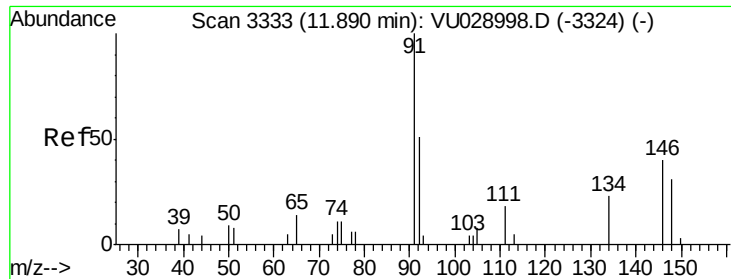
#88
 1,4-Dichlorobenzene
 Concen: 45.849 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion:146 Resp: 148680
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.1 57.3
 148 65.0 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

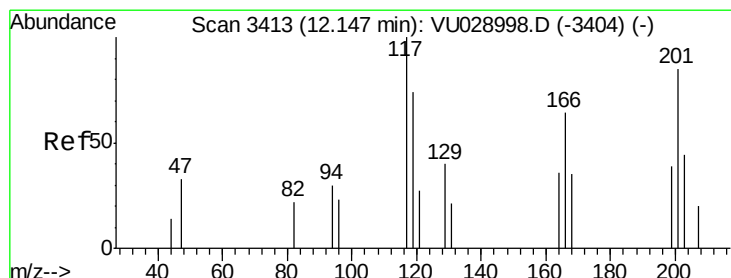
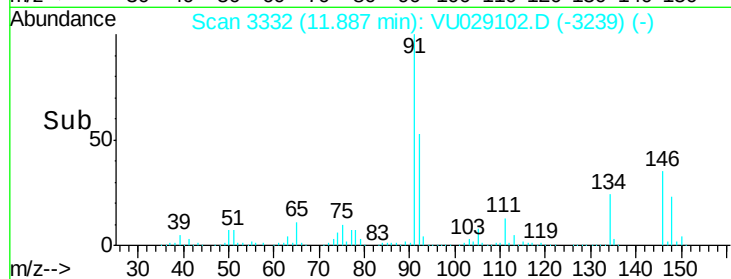
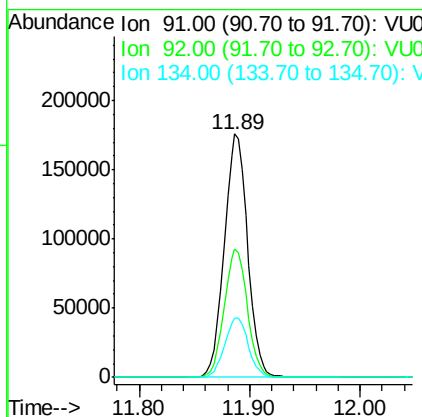
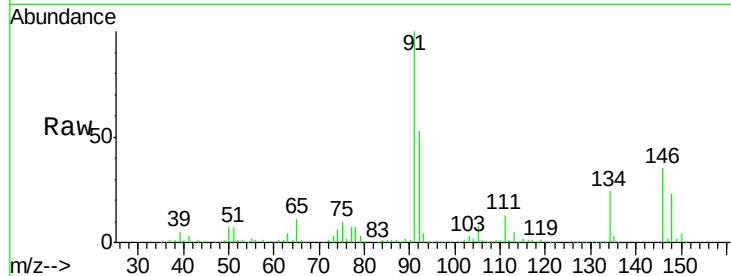




#89
n-Butylbenzene
Concen: 51.852 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

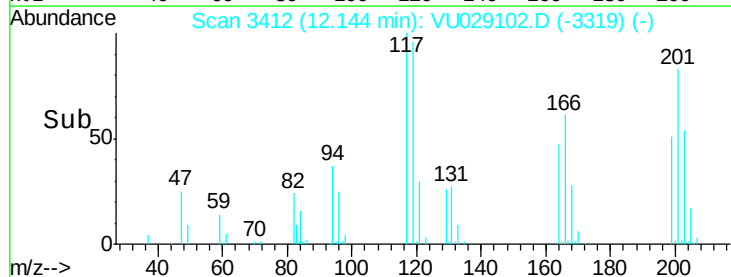
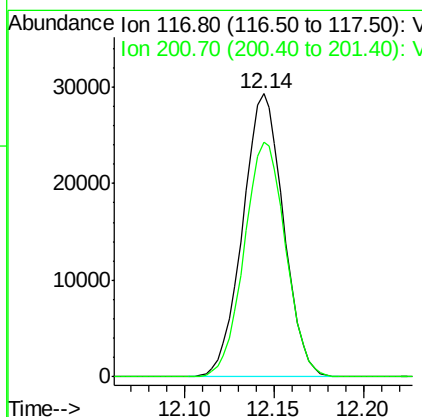
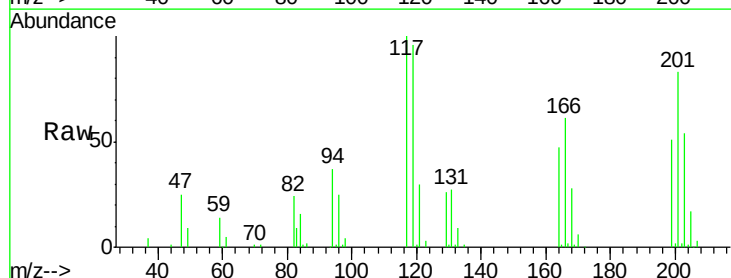
Instrument :
MSVOA_U
ClientSampleId :

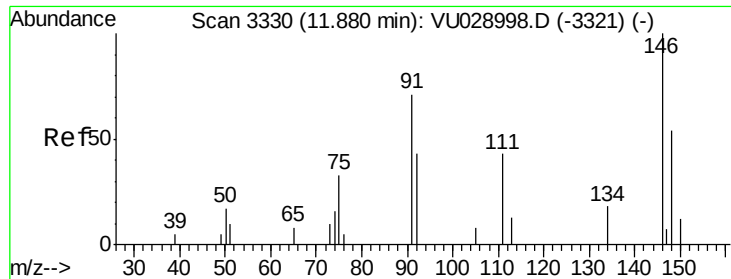
Tot Ion: 91 Resp: 258001
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 24.8 12.6 37.6



#90
Hexachloroethane
Concen: 49.914 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 117 Resp: 46811
Ion Ratio Lower Upper
117 100
201 84.4 42.4 127.3

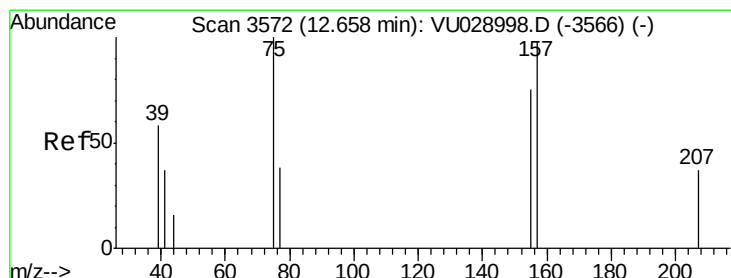
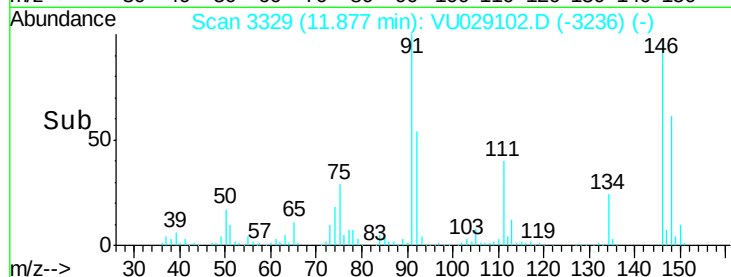
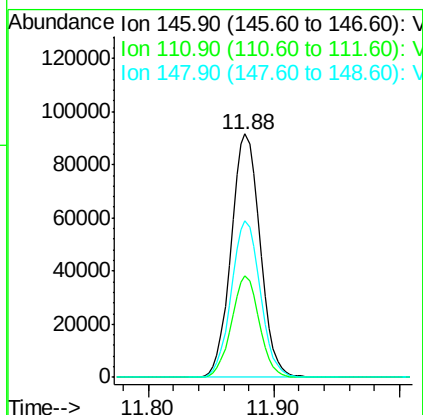
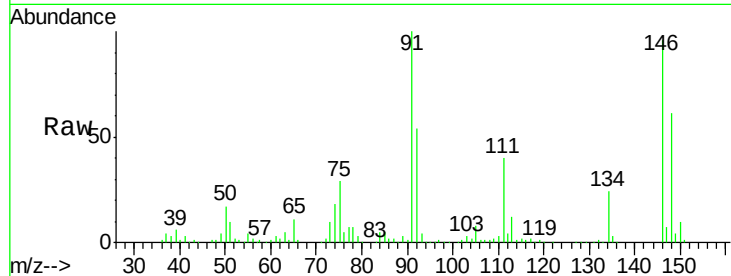




#91
 1,2-Dichlorobenzene
 Concen: 46.444 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

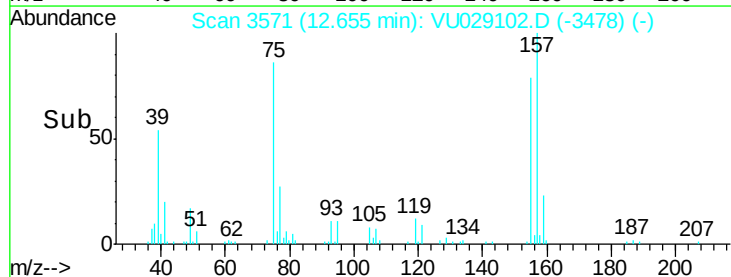
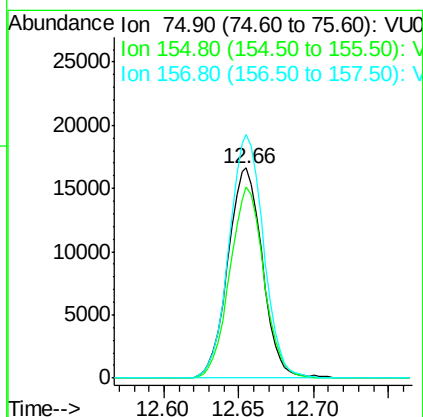
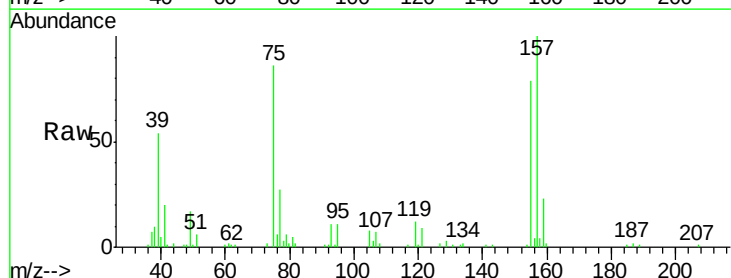
Instrument :
 MSVOA_U
 ClientSampleId :

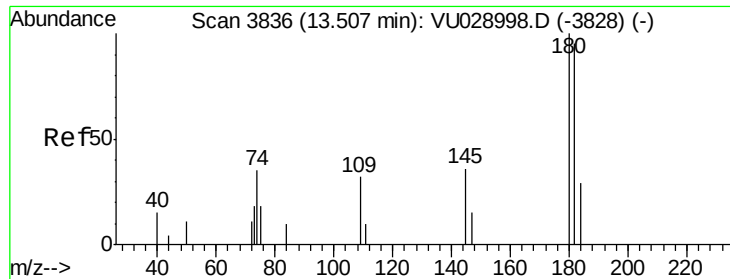
Tot Ion:146 Resp: 146962
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 64.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.688 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 26693
 Ion Ratio Lower Upper
 75 100
 155 89.8 46.3 138.8
 157 115.5 57.4 172.0

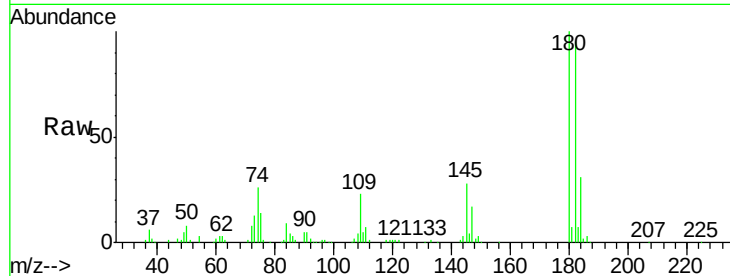




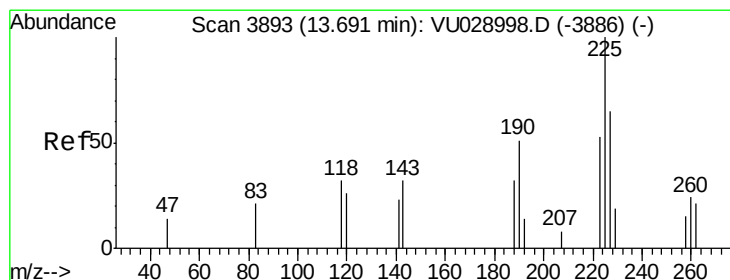
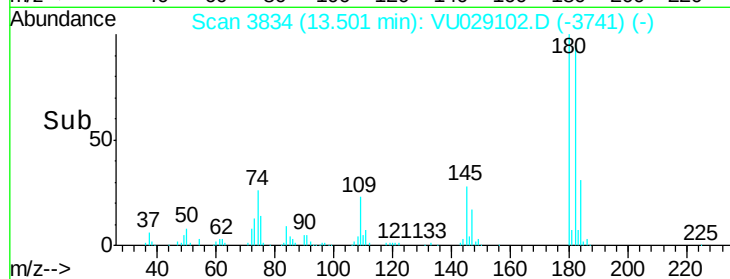
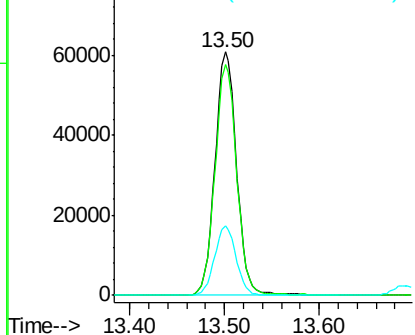
#93
 1,2,4-Trichlorobenzene
 Concen: 47.701 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 96351
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.5 142.6
 145 28.6 14.0 42.0

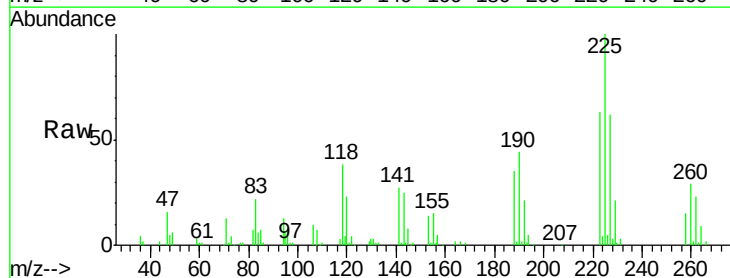


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

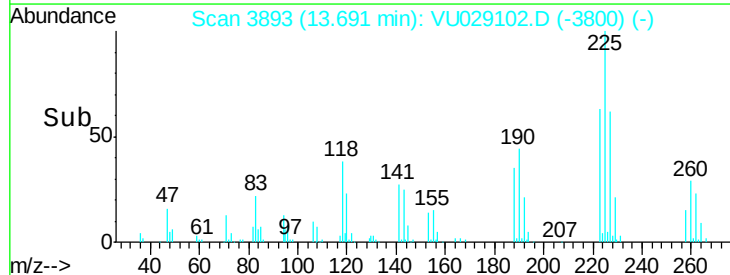
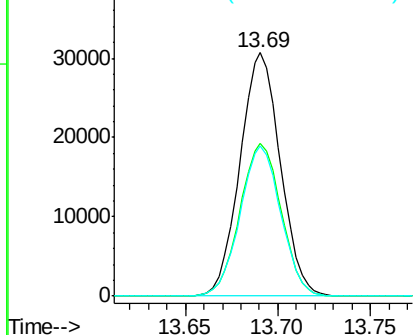


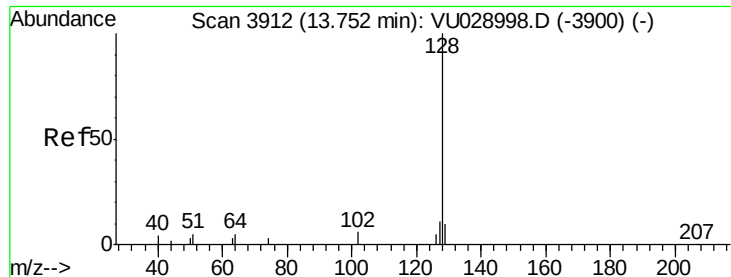
#94
 Hexachlorobutadiene
 Concen: 50.003 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion:225 Resp: 46197
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.4 94.0
 227 62.2 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

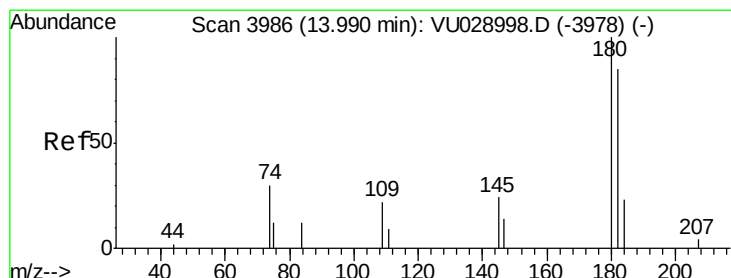
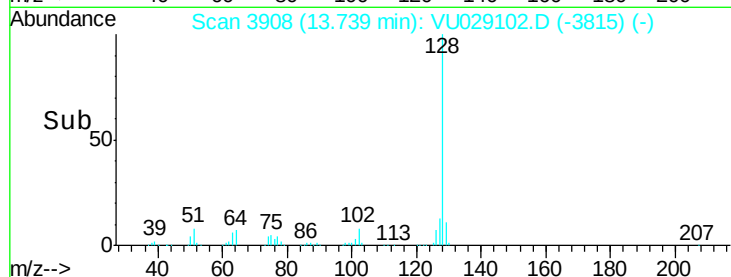
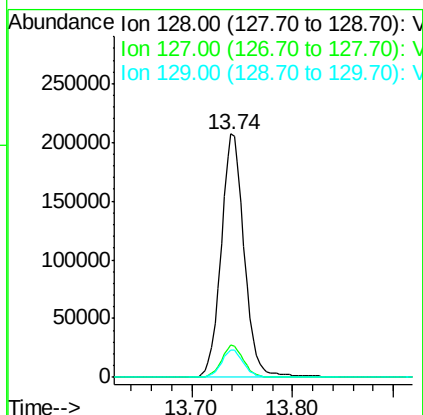
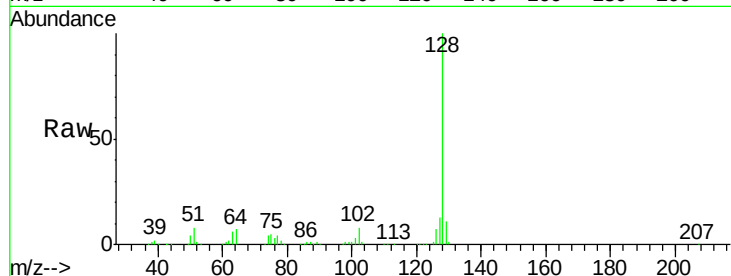




#95
Naphthalene
Concen: 48.199 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 331191
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 48.202 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:180 Resp: 100173
Ion Ratio Lower Upper
180 100
182 96.3 48.1 144.3
145 30.3 14.8 44.4

